

Operating instructions

Tischer Freizeitfahrzeuge



-TRAIL / BOX 200

-TRAIL / BOX 215 / 230

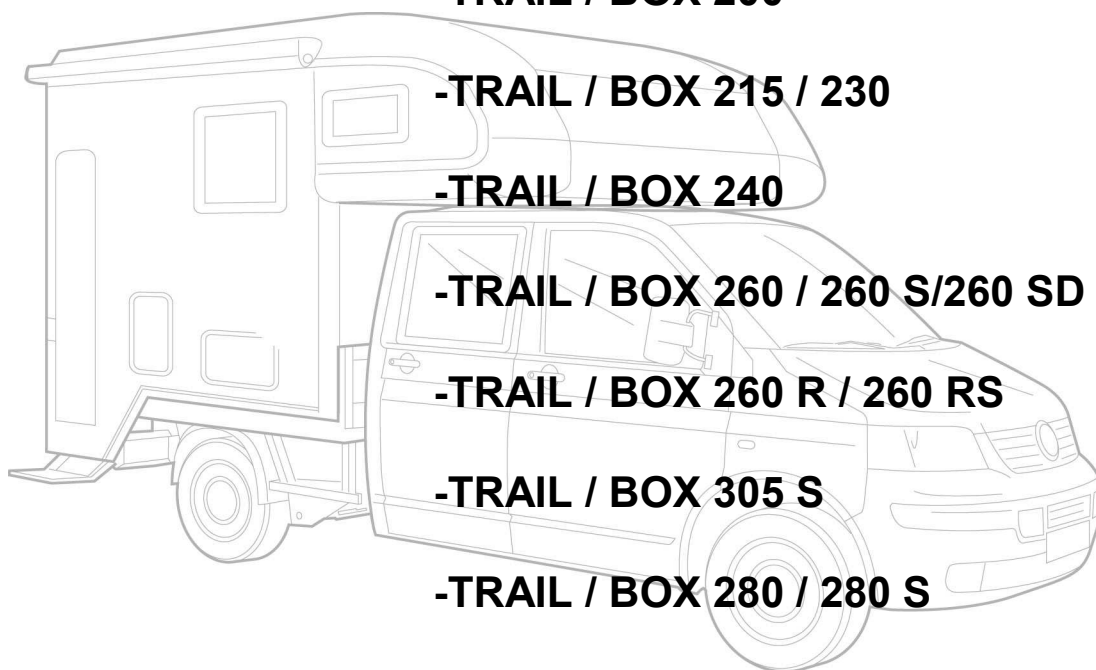
-TRAIL / BOX 240

-TRAIL / BOX 260 / 260 S/260 SD

-TRAIL / BOX 260 R / 260 RS

-TRAIL / BOX 305 S

-TRAIL / BOX 280 / 280 S





1 Preface

Dear customer,

Welcome as new owner of a Tischer TRAIL camper cabin. We are excited to welcome you as one of our customers.

Your camper cabin can offer you a particular broad usage spectrum far beyond the limits of a traditional camper cabin. The cabin with sound and state-of-the-art technology guarantees good quality, highest stability and a long service life.

As a start, please carefully read the entire operating instructions.

For build-in units (heater, cooking place, toilet, refrigerator, etc.), the respective operating manuals and operating instructions are decisive.

Please observe the information in the respective instructions in order to avoid unnecessary malfunctions.

If you resale or loan the cabin, please provide these operating instructions and the build-in units to the new owner or renter.

We wish you many relaxing leisure and vacation days with your camper cabin and always a safe drive.

Your Tischer-Team

Imprint

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Leisure vehicles operating instructions

Edition 3/2011

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2 Safety information

2.1 Use of symbols



Caution

Type and source of danger

- Refers to information, which must be complied with in order to avoid any endangerment of persons.



Attention

Type and source of danger

- Refers to information, which must be complied with in order to avoid any damage to or destruction of material.



Note

- Explaining description to the respective chapters.

2.2 General safety information

The oxygen in the cabin interior is consumed by breathing or operation of the gas cooker or other build-in units. For this reason, skylights with forced ventilation are installed.

Danger of suffocation due to increased carbon dioxide content. Keep the forced ventilation unobstructed.

2.3 Road safety

Ensure that no persons are in the cabin while driving.

In front of underpasses, tunnels or similar, the overall vehicle height must be observed.

During winter time keep the cabin roof free from snow and ice prior to departure.

If accessories or special equipment is installed, vehicle dimensions, weight and handling may change.

2.4 Danger of fire

Keep combustible materials away from heating and cooking appliances.

Lamps may become hot. If the lamp is switched on, the safety distance to combustible objects must always be 30 cm. Fire hazards exist!

2.5 In case of fire

Evacuate all vehicle passengers.

Switch off the electrical supply and pull off the mains plug.

Close the main cut-off valve on the gas cylinder.

Alert others and call the fire brigade.

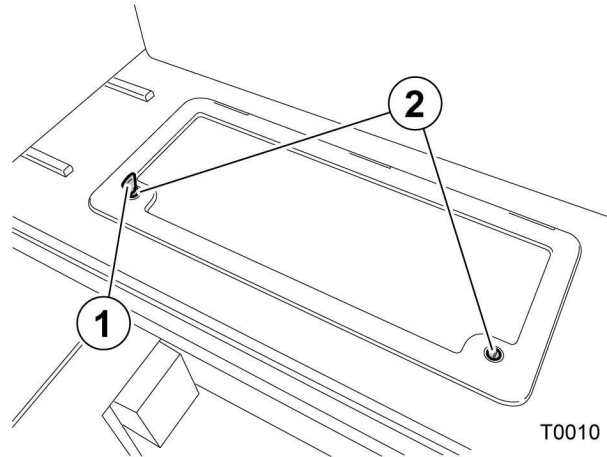
Fight the fire if possible without taking any risk.

3 Raising and lowering the cabin

3.1 Lowering the cabin (200 to 260 RS and 305 S only)

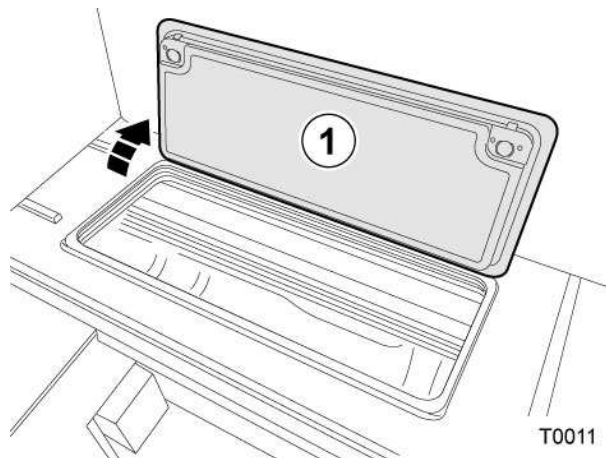
(The work steps are explained on the example of the right cabin side. Repeat the work steps analogously for the left side).

Opening the flaps to the turnbuckles



Remove the seat cushion from the left seat bench and insert key **1** into lock cylinder **2** of the flap. Turn key **1** clockwise.

Press both lock cylinders **2** until the flap unlocks.



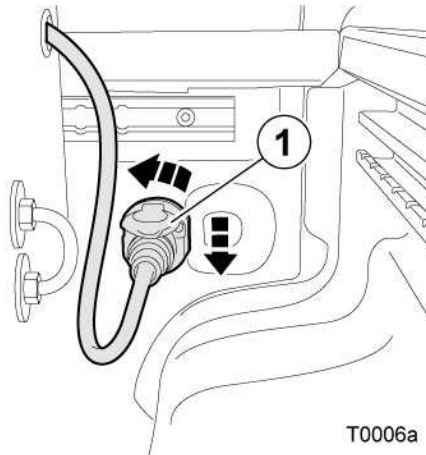
Caution **Risk of injuries**

- Secure the flap against closing.

Open flap **1**. The turnbuckles and the power supply of the vehicle are located under flap **1**. The vehicle power supply is only located on the right side of the cabin.

3.2 Power supply

Disconnecting the power supply of the vehicle

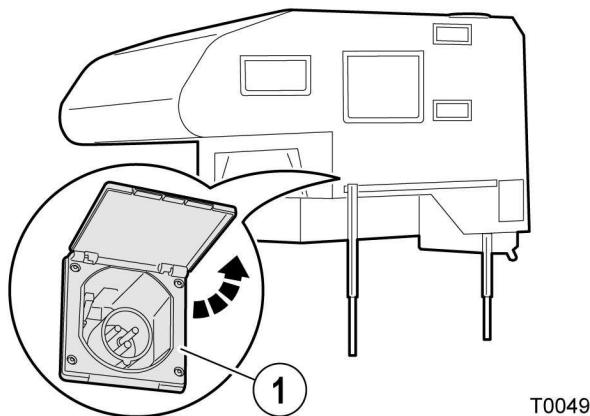


Note

- Please observe the information in chapter **Battery**.

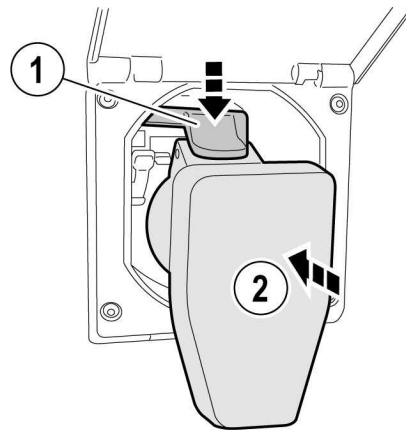
Turn the locking mechanism of 13-pin plug **1** counterclockwise and pull off plug **1**.

Connecting an external power supply



Open the flap of power socket **1**. In the direction of travel, power socket **1** can be found on the left side on the outer wall.

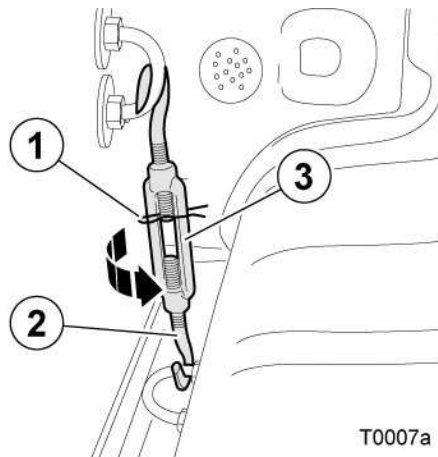
Connecting the power supply cable



T0050

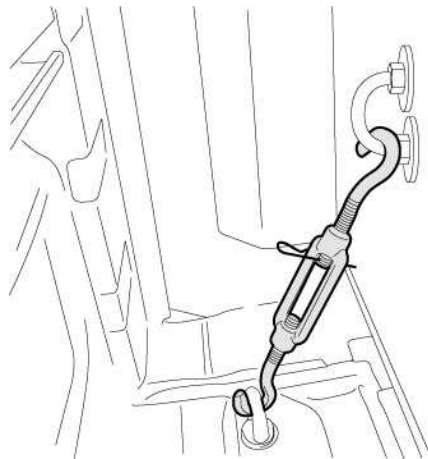
Press fastener **1** of your external power supply cable **2**. Insert the plug into the power socket.

Loosening the cabin fastening (turnbuckles)



Pull cotter pin **1** from turnbuckle **2**.

Turn loop **3** until front turnbuckle **2** can be disengaged.

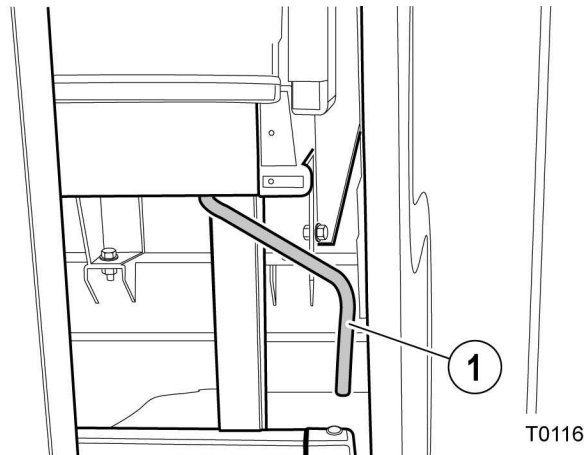


Loosen the rear turnbuckle. Close the flaps accessing the turnbuckles.

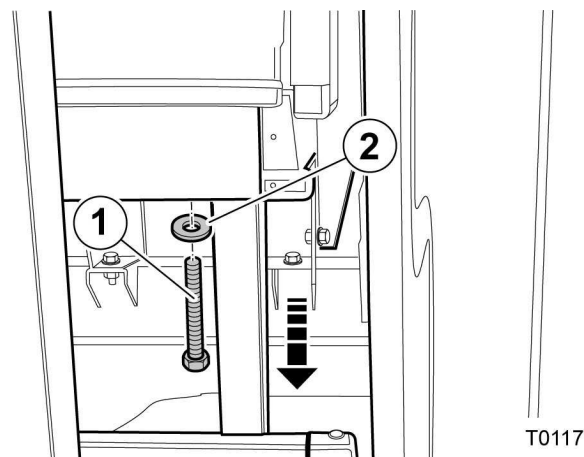
The cabin is now detached from the vehicle and can be lifted.

3.3 Lowering the cabin (280 / 280 S only)

Loosening the cabin fastening

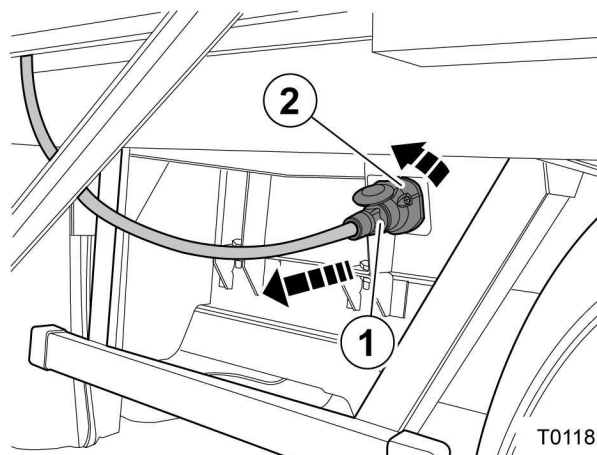


Use enclosed crank **1** to loosen and unscrew the fastening screws.



Completely unscrew fastening screws **1** with washers **2**.

Disconnecting the power supply

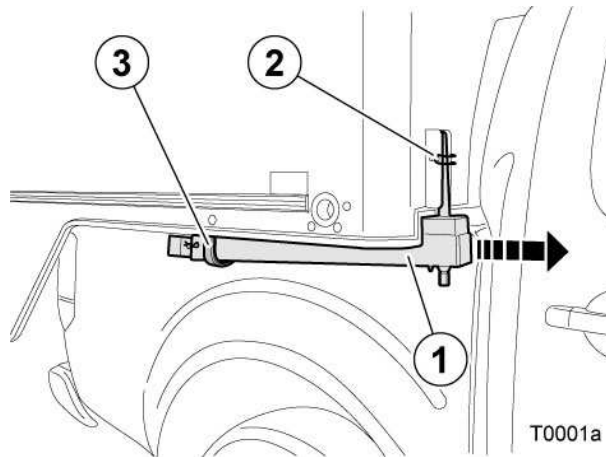


The plug connection is located on the left side of the vehicle.

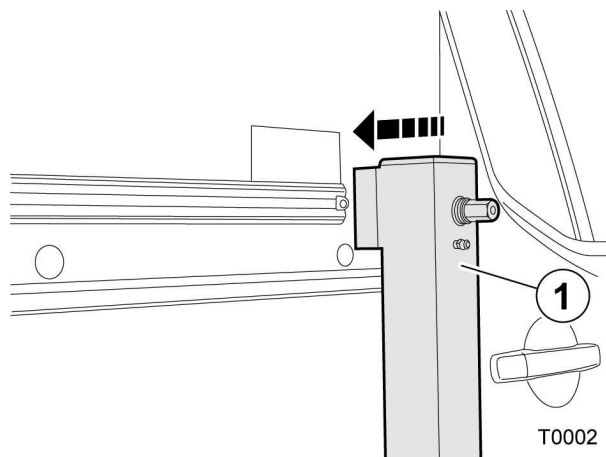
Turn the locking mechanism of 13-pin plug **1** counterclockwise and pull the plug out of power socket **2**.

3.4 Raising the cabin (200 to 260 RS and 305S only)

Mounting the front crank supports and electrical supports (special equipment)

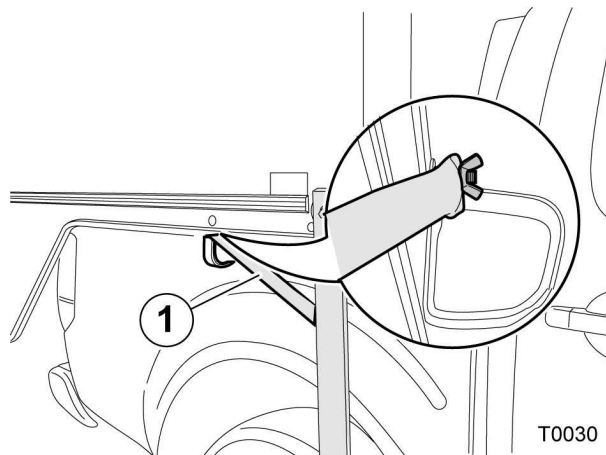


Remove front support 1 from transport holder 3. Open tube lynch pin 2.

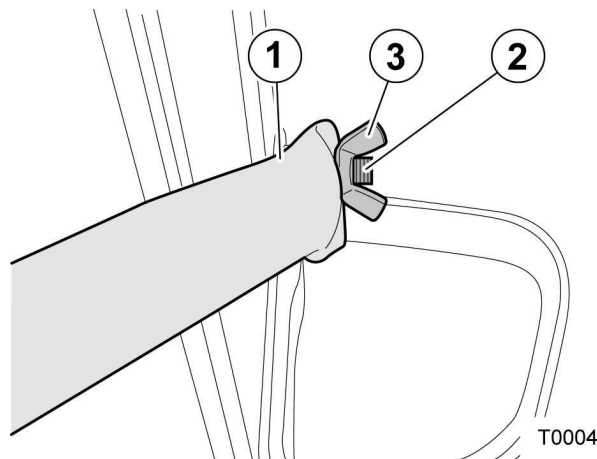


Insert front support 1 into the adapter on the cabin.

Mounting the support struts

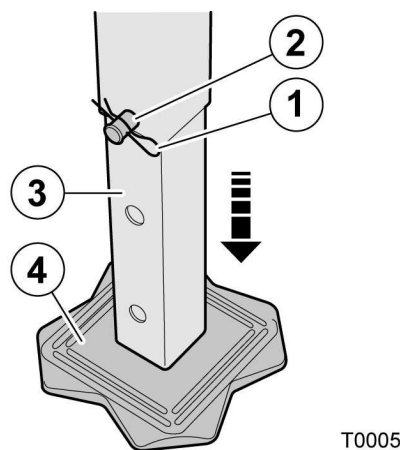


Fold support strut 1 upwards.



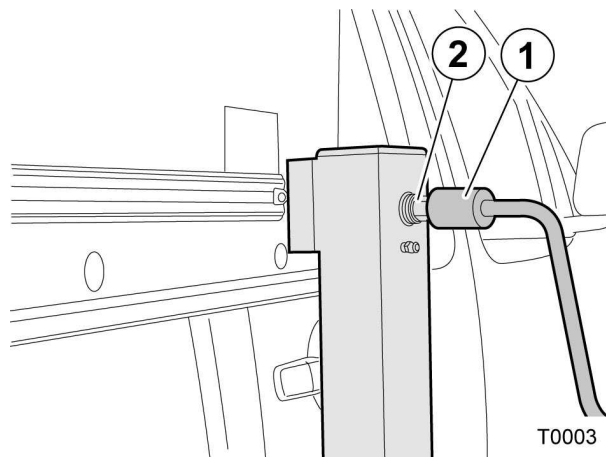
Secure support strut 1 to threaded bolt 2 on the inner side of the cabin outer wall by screwing wing nut 3 on tight.

Preparing the crank supports



Loosen cotter pin 1. Pull bolt 2 out of attachment part 3. Secure attachment part 3 using one hand. Pull attachment part 3 out of the support until the suitable hole and insert bolt 2 through the support and attachment part 3. Insert cotter pin 1 into bolt 2. Place one of pads 4 under every support.

Raising the cabin using the crank supports

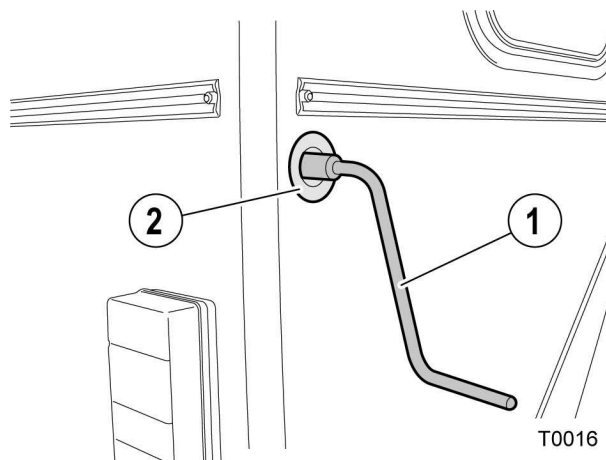


Attention

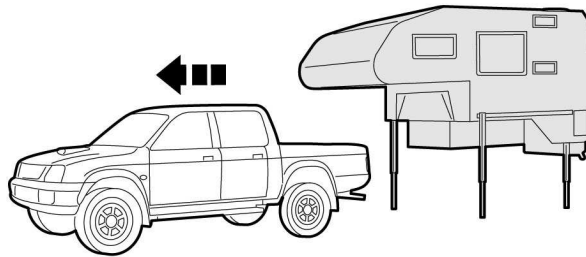
Risk of damage

- Make sure to never raise the rear of the cabin higher than the front. This could result in the alcove resting on the roof of your carrier vehicle.
- Start raising the cabin using the front supports.

Insert crank **1** into adapter **2** and turn the crank clockwise until the support touches the ground.



Raise the cabin by alternately extending all four supports by a few turns.
First extend the front supports followed by the rear supports.



T0094

**Note**

- If the cabin is parked for an extensive period of time without the carrier vehicle, it is recommended to retract the supports a bit. The cabin is more stable on retracted supports.

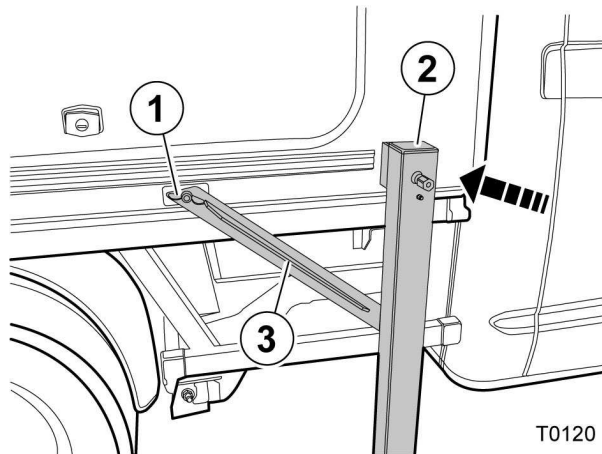
Completely raise the cabin by the means of all four supports. Now drive in a straight line out from under the cabin.

3.5 Raising the cabin (280 / 280 S only)

**Attention****Risk of damage**

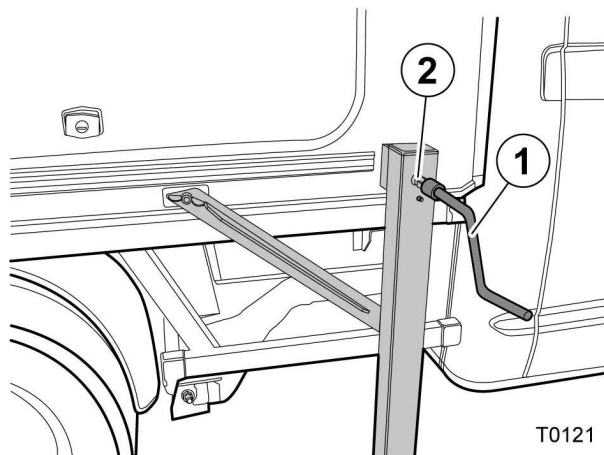
- In case of vehicles with air suspension, the air suspension must be completely lowered.

Mounting the front crank supports



Remove front crank support **2** from the stowage box and insert it into the adapter on the cabin.
Fold support strut **3** up and secure it to the cabin using wing screw **1**.

Raising the cabin using the crank supports



T0121

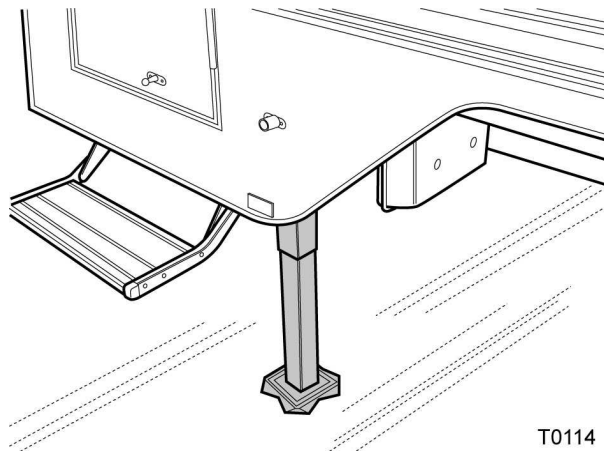


Attention

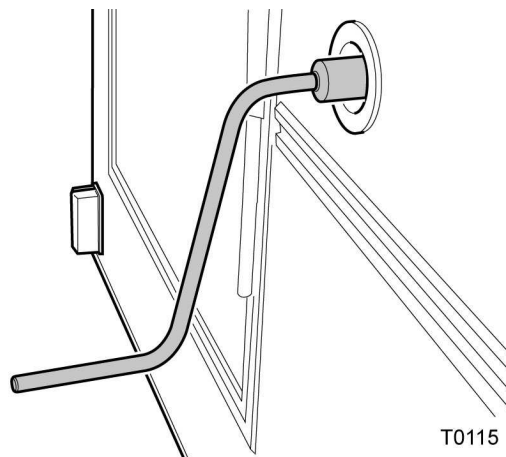
Risk of damage

- Make sure to never raise the rear of the cabin higher than the front. This could result in the alcove resting on the roof of your carrier vehicle.
- Start raising the cabin using the front supports.

Insert crank **1** into adapter **2** and turn the crank clockwise until the support touches the ground.

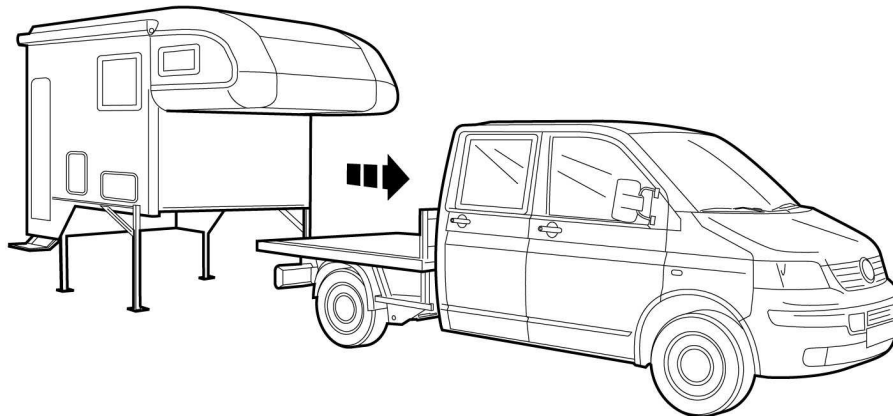


T0114



T0115

Raise the cabin by alternately extending all four supports by a few turns.



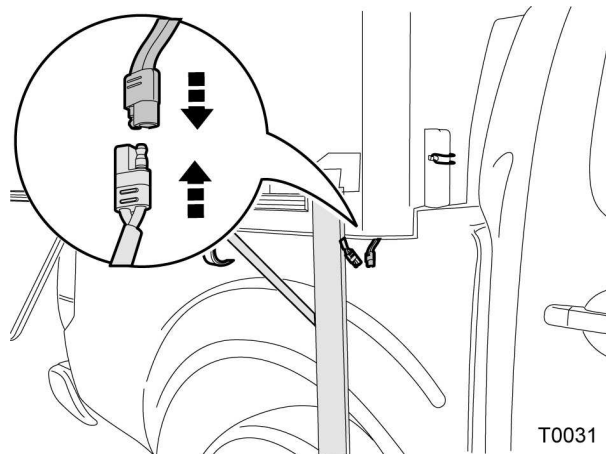
T0111

**Note**

- If the cabin is parked for an extensive period of time without the carrier vehicle, it is recommended to retract the supports a bit. The cabin is more stable on retracted supports.

Completely raise the cabin by the means of all four supports. Now drive in a straight line out from under the cabin.

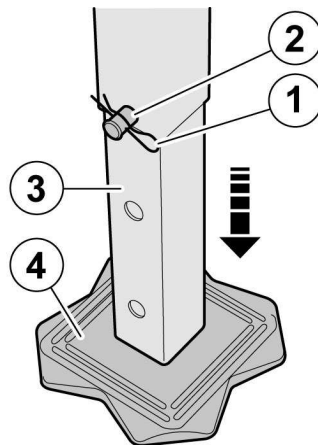
3.6 Connecting electrical supports (special equipment)



T0031

In case of electrical supports, connect the plugs of the front supports.

Preparing electrical supports (special equipment)



T0005

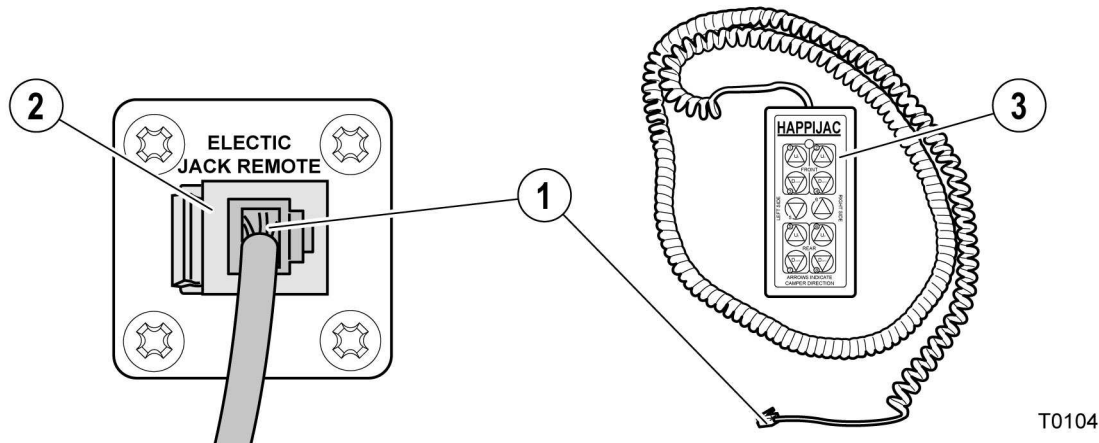
The rear supports are already assembled ready for use.

Loosen cotter pin 1. Pull bolt 2 out of attachment part 3. Secure attachment part 3 using one hand.

Pull attachment part 3 out of the support until the suitable hole and insert bolt 2 through the support and attachment part 3. Insert cotter pin 1 into bolt 2.

Place one of pads 4 under every support.

Raising the cabin using electrical supports (special equipment)



T0104



Attention

Risk of damage

- Make sure to never raise the rear of the cabin higher than the front. This could result in the alcove resting on the roof of your carrier vehicle.
- Start raising the cabin using the front supports.
- Use the option to **extend all supports at the same time**.

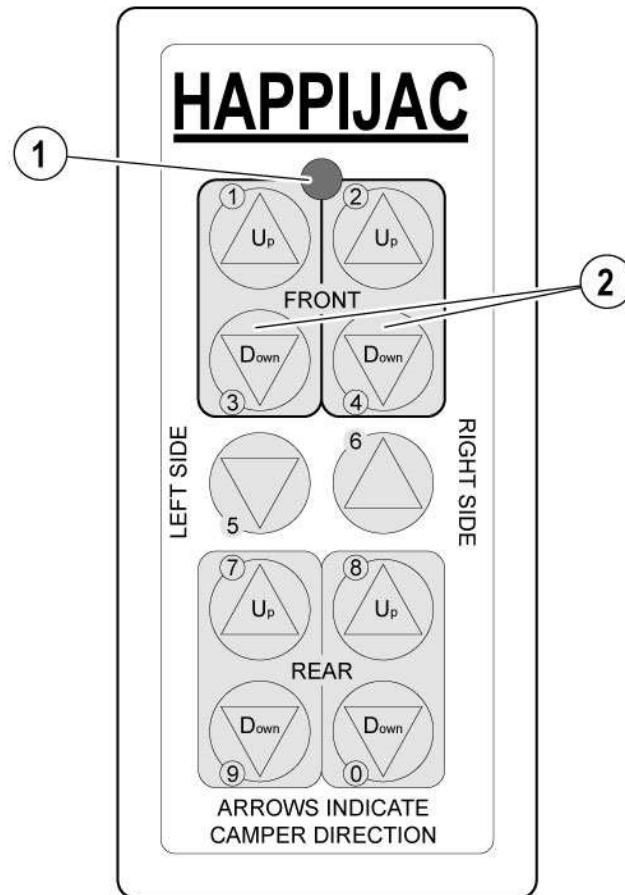


Note

- It is optionally possible to operate the electrical supports using a wireless remote control.

In case of cabins with electrical supports, insert plug **1** of remote control **3** into bushing **2** in the interior next to the entry door. Position yourself such that you have a clear view of the cabin. The length of remote control cable **3** is sufficient to walk around the cabin.

Key assignment of the remote control



T0012

Legend:

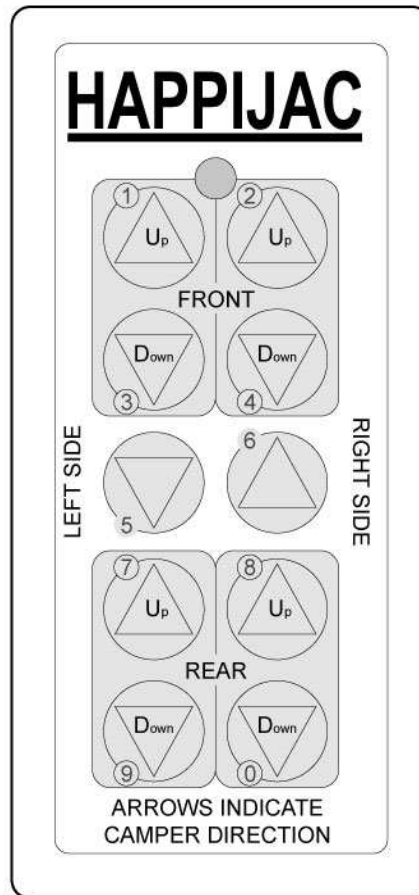
- 1 Status LED: **Green** Remote control operation
Orange Remote control in sleep mode, safety deactivation
Red Remote control error

2 Special function keys



Note

- In case of problems with the Happijac, read chapter **Troubleshooting** at the end of the operating instructions.



T0097

Legend:

1	Extend left front support	6	Extend all supports at the same time
2	Extend right front support	7	Extend left rear support
3	Retract left front support	8	Extend right rear support
4	Retract right front support	9	Retract left rear support
5	Retract all supports at the same time	10	Retract right rear support

Functions



Attention

Risk of damage

- Make sure to never raise the rear of the cabin higher than the front. This could result in the alcove resting on the roof of your carrier vehicle.
- Start raising the cabin using the front supports.
- Use the option to **extend all supports at the same time**.

Press **keys 1, 2, 7 or 8** of your Happijac remote control and hold them in order to individually extend the supports.

Every support must touch the ground.

Press and hold **key 6** of your Happijac remote control. The cabin is raised on all four supports at the same time.

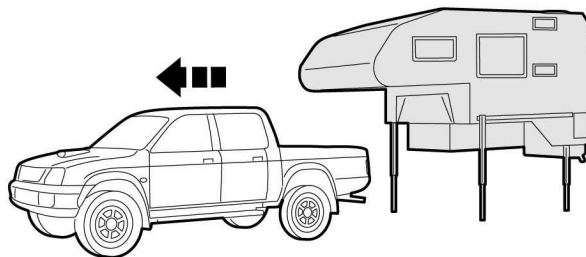
Alternatively, using the special function keys:

Press **key 1** twice and hold it in order to extend both supports on the left side.

Press **key 2** twice and hold it in order to extend both supports on the right side.

Press **key 3** twice and hold it in order to retract both supports on the left side.

Press **key 4** twice and hold it in order to retract both supports on the right side.



T0094



Note

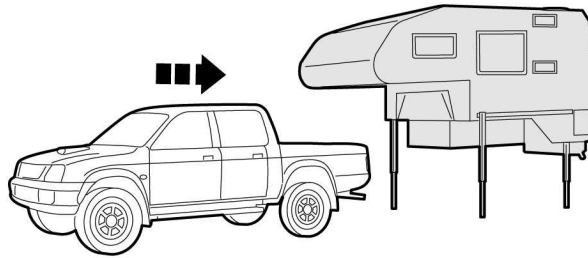
- If the cabin is parked for an extensive period of time without the carrier vehicle, it is recommended to retract the supports a bit. The cabin is more stable on retracted supports.

Completely raise the cabin by the means of all four supports. Now drive in a straight line out from under the cabin.

3.7 Picking up the cabin (200 to 260 RS and 305 S)

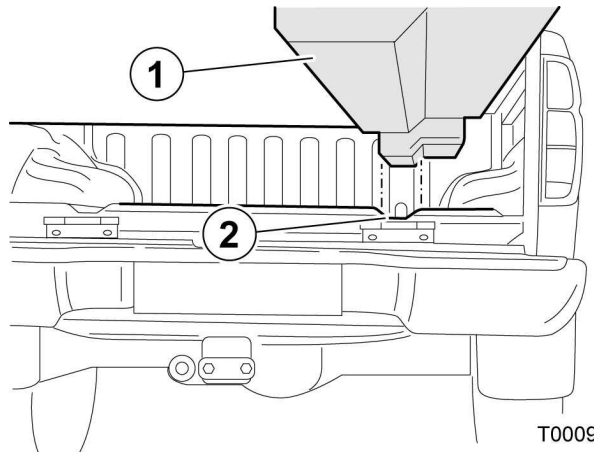
**Attention****Risk of damage**

- A second person is required as banksman.



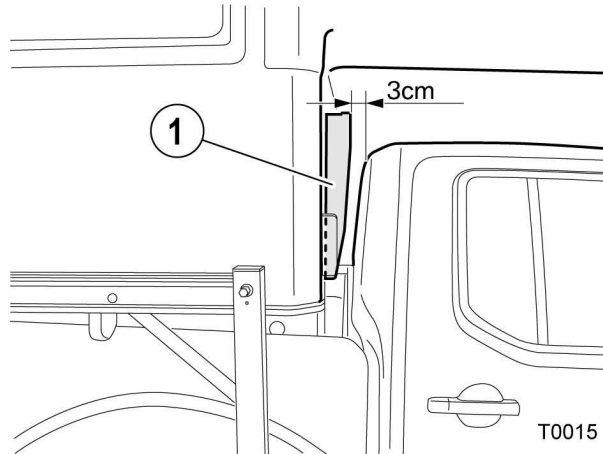
T0095

Completely raise the cabin by the means of all four supports. Now reverse in a straight line under the cabin.



T0009

The wooden guides **1** of the cabin must be positioned as accurately as possible above corresponding profiles **2** of the loading area. The wooden guides **1** are accurately adapted to profiles **2** of the loading area of your carrier vehicle.



Stop the vehicle as soon as the clearance between the rear wall of your carrier vehicle and sponge rubber **1** of the cabin is maximum 3 cm.

Lowering the cabin using the crank supports

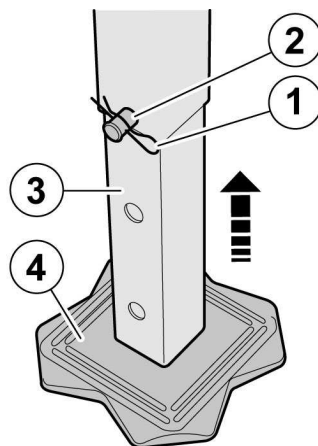
Lower the cabin by turning the crank supports counterclockwise. First retract the rear supports followed by the front supports.



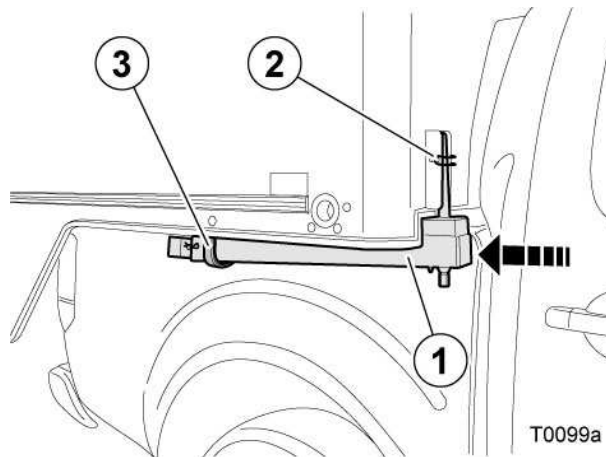
Attention

Risk of damage

- Make sure to never raise the rear of the cabin higher than the front. This could result in the alcove resting on the roof of your carrier vehicle.
- Start lowering the cabin using the rear supports.



Once the supports are completely retracted, loosen cotter pin **1**, pull out bolt **2** and insert attachment part **3** into the support. Stow pads **4** in the vehicle.

Removing the front crank supports and electrical supports (special equipment)**Caution****Risk of injuries**

- Make sure that tube lynch pin 2 is closed.

Remove front supports 1 from the cabin and insert them into transport holder 3.

3.8 Picking up the cabin (280 / 280 S only)



Attention

Risk of damage

- In case of vehicles with air suspension, the air suspension may only be inflated, once the cabin rests completely on the vehicle.

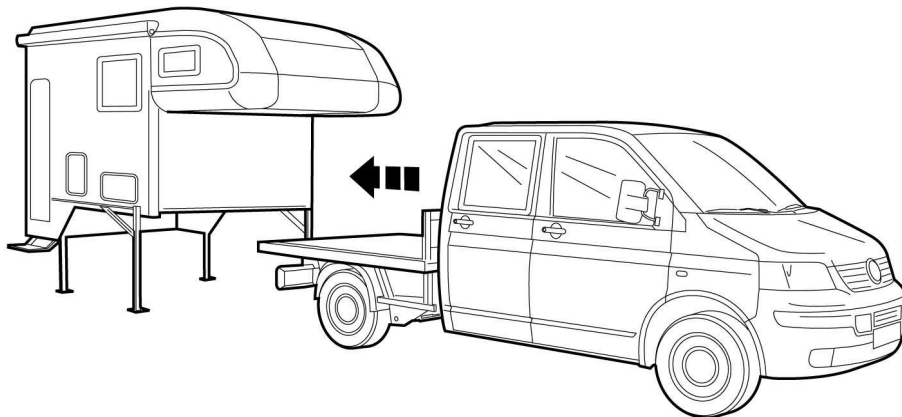


Attention

Risk of damage

- A second person is required as banksman.

Picking up the cabin

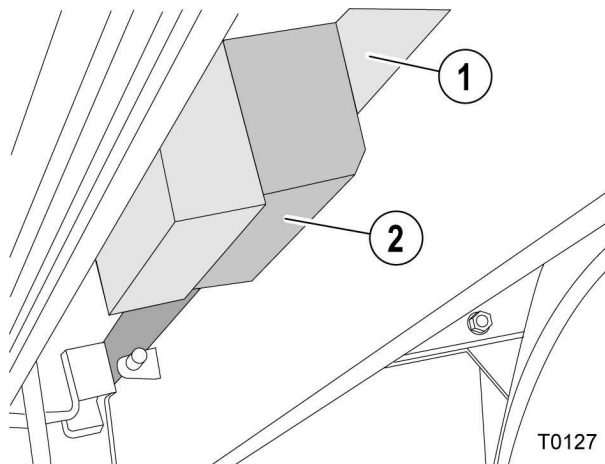


T0110

Completely raise the cabin by the means of all four supports. Now reverse in a straight line under the cabin.

The front guide of the cabin must rest on the loading area.

Cabin guides



T0127

Wooden guides 1 and 2 are exactly adapted to the loading area of your carrier vehicle.

Lowering the cabin using the crank supports

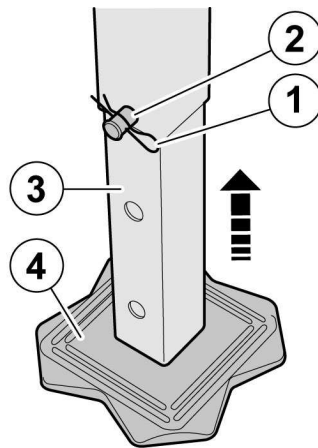


Attention

Risk of damage

- Make sure to never raise the rear of the cabin higher than the front. This could result in the alcove resting on the roof of your carrier vehicle.
- Start raising the cabin using the front supports.
- Use the option to **extend all supports at the same time**.

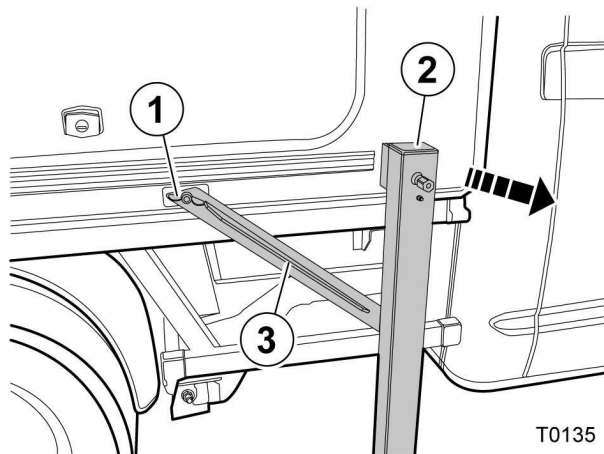
Lower the cabin by turning the crank supports counterclockwise. First retract the rear supports followed by the front supports.



T0098

Once the supports are completely retracted, loosen cotter pin 1, pull out bolt 2 and insert attachment part 3 into the support. Stow pads 4 in the vehicle.

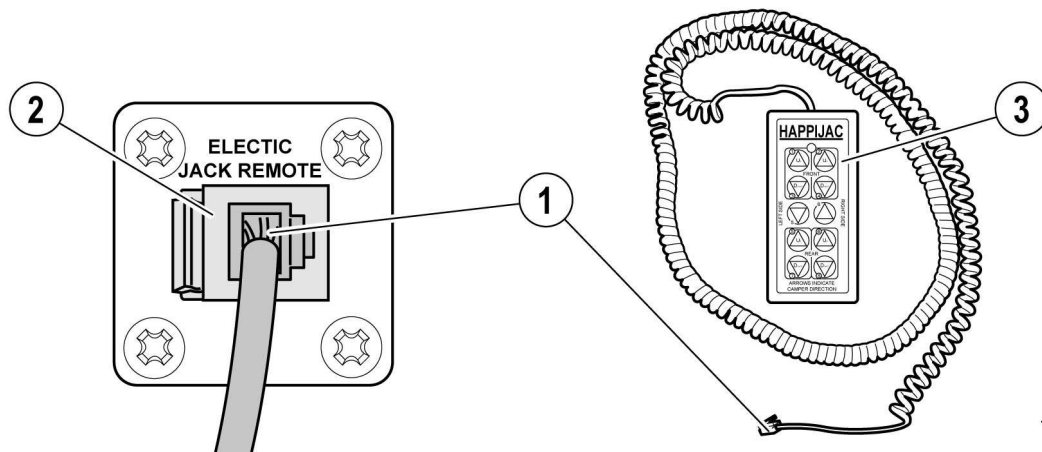
Removing the front crank supports



T0135

Unscrew wing screw 1 on the cabin and fold support 3 down. Pull crank support 2 out of the holder and store crank support 2 in the stowage space.

3.9 Lowering the cabin using electrical supports (special equipment)



T0104



Attention

Risk of damage

- Make sure to never raise the rear of the cabin higher than the front. This could result in the alcove resting on the roof of your carrier vehicle.
- Start lowering the cabin using the rear supports.

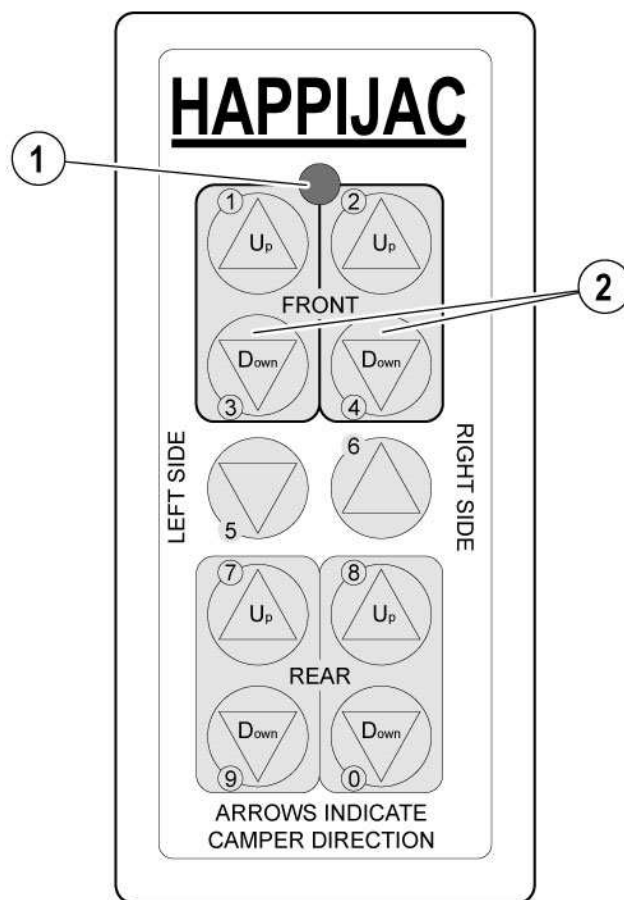


Note

- It is optionally possible to operate the electrical supports using a wireless remote control.

Insert plug **1** of remote control **3** into bushing **2** next to the entry door and position yourself such that you have a clear view of the cabin.

Key assignment of the remote control



T0012

Legend:

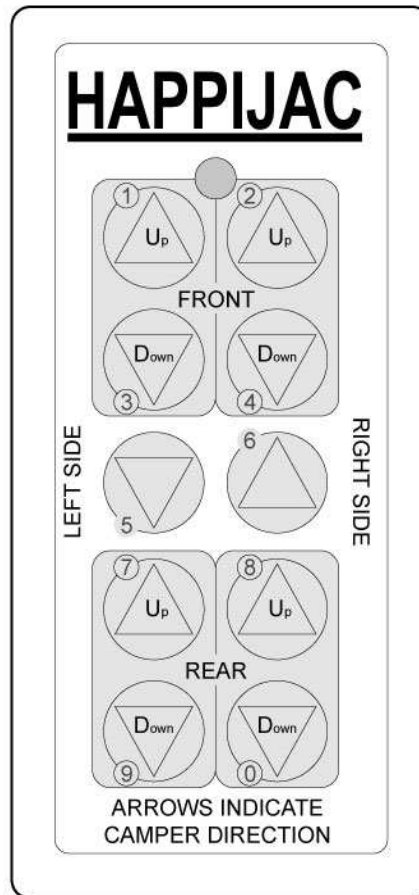
- 1 Status LED: **Green** Remote control operation
Orange Remote control in sleep mode, safety deactivation
Red Remote control error

2 Special function keys



Note

- In case of problems with the Happijac, read chapter **Troubleshooting** at the end of the operating instructions.



T0097

Legend:

1	Extend left front support	6	Extend all supports at the same time
2	Extend right front support	7	Extend left rear support
3	Retract left front support	8	Extend right rear support
4	Retract right front support	9	Retract left rear support
5	Retract all supports at the same time	10	Retract right rear support

Functions



Attention

Risk of damage

- Make sure to never raise the rear of the cabin higher than the front. This could result in the alcove resting on the roof of your carrier vehicle.
- Start lowering the cabin using the rear supports.
- Use the option to **extend all supports at the same time**.

Press **keys 1, 2, 7 or 8** of your Happijac remote control and hold them in order to individually extend the supports.

Every support must touch the ground.

Press and hold **key 6** of your Happijac remote control. The cabin is raised on all four supports at the same time.

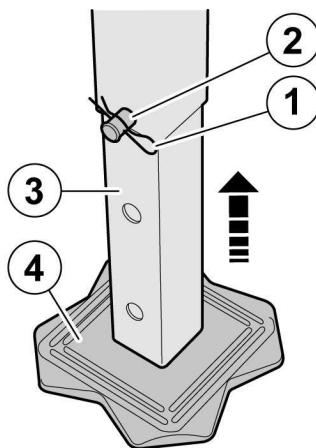
Alternatively, using the special function keys:

Press **key 1** twice and hold it in order to extend both supports on the left side.

Press **key 2** twice and hold it in order to extend both supports on the right side.

Press **key 3** twice and hold it in order to retract both supports on the left side.

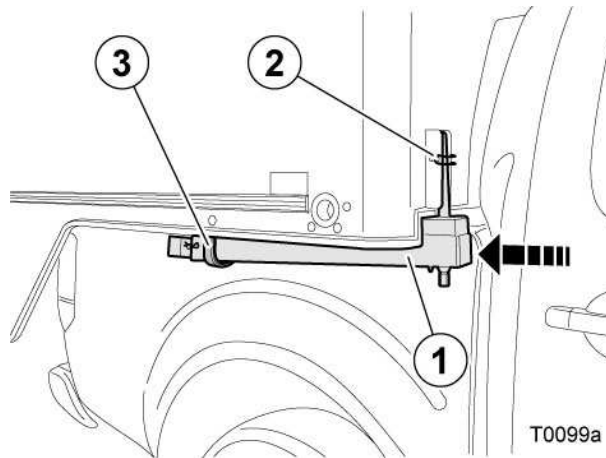
Press **key 4** twice and hold it in order to retract both supports on the right side.



T0098

Once the supports are completely retracted, loosen cotter pin **1**, pull out bolt **2** and insert attachment part **3** into the support. Stow pads **4** in the vehicle.

Removing the front crank supports and electrical supports (special equipment)



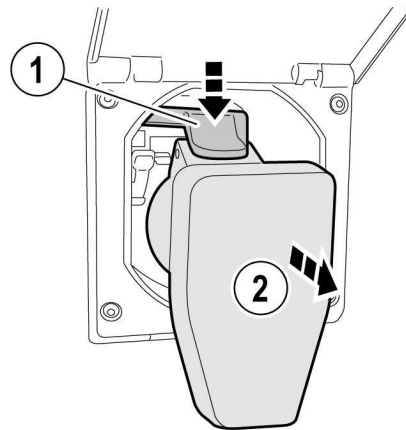
Caution

Risk of injuries

- Make sure that tube lynch pin 2 is closed.

Remove front supports 1 from the cabin and insert them into transport holder 3.

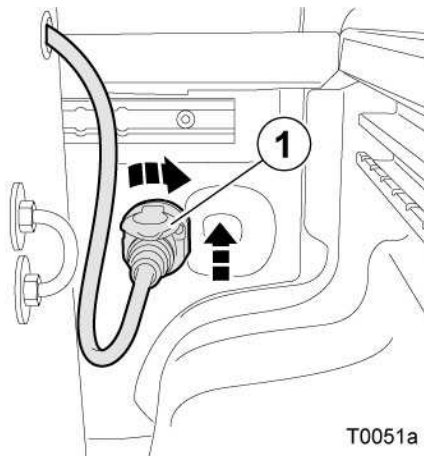
Disconnecting the external power supply of the cabin



T0075

Press fastener 1 of plug 2. Pull plug 2 off from the cabin.

Connecting the power supply of the cabin (200 to 260 RS and 305 S only)



T0051a



Attention

Risk of accidents

- Check the lighting system prior to departure.

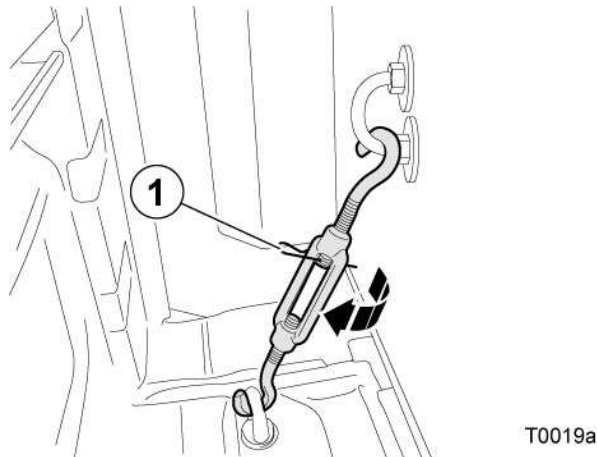
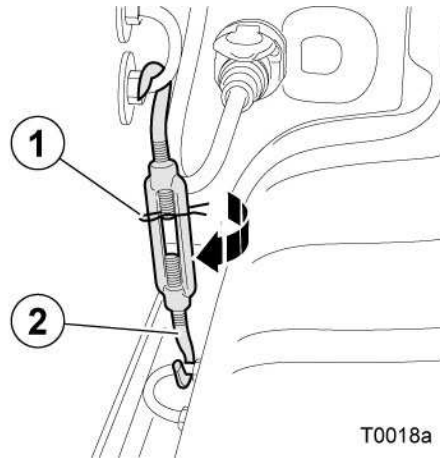
Lift the cover flap of the 13-pin socket and insert 13-pin plug 1. Turn plug 1 clockwise.

Aligning the cabin

Sideways: With the help of a second person, push against the side wall on the opposite side of the cabin in order to move the cabin into the desired direction. The wooden guides on the cabin floor support you in this effort.

Lengthwise: With the help of a second person, you can move the cabin forward by pushing against the rear of the cabin.

3.10 Securing the cabin (200 to 260 RS and 305 S only)



Attention

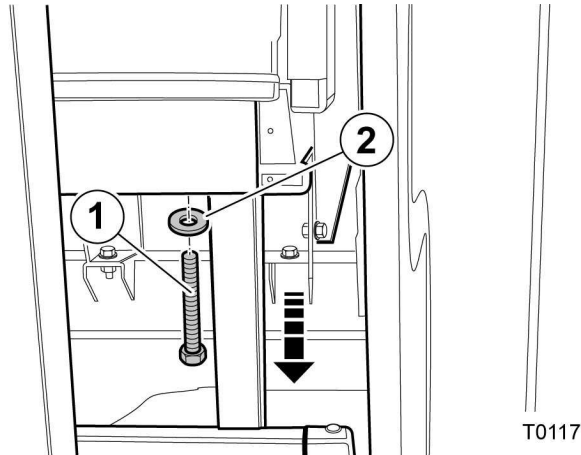
Risk of accidents

- Re-tighten the turnbuckles after driving approx. 50 km.

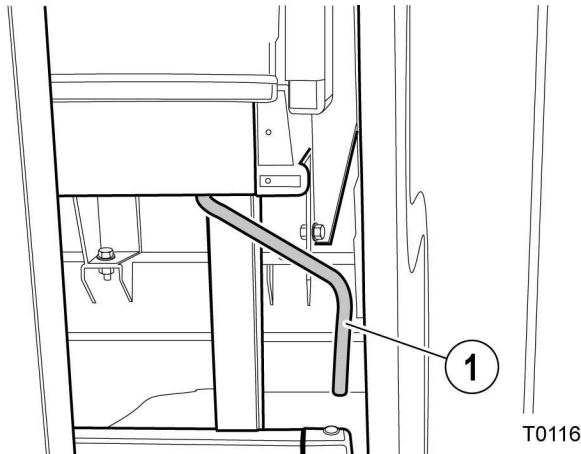
Now, insert the four turnbuckles **2** into the holding lugs of the cabin and the carrier vehicle and tighten them hand-tight. Secure the turnbuckles against unwanted loosening using cotter pins **1**.

3.11 Securing the cabin (280 / 280 S only)

Screwing in the fastening screws



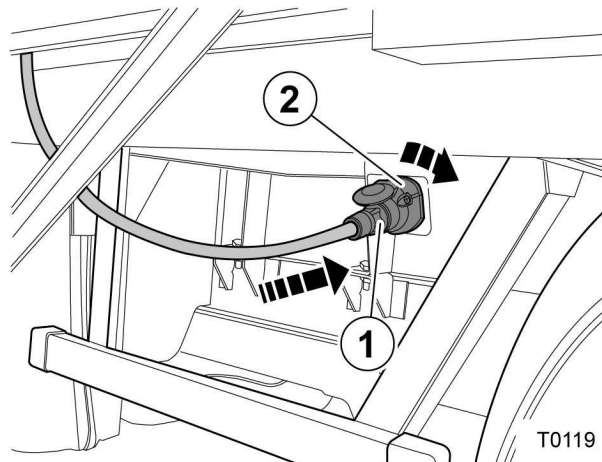
Screw in fastening screws 1 with washers 2 through the loading area into the cabin
Tighten fastening screws 1.



Attention **Risk of accidents**

- Re-tighten the fastening screws after driving approx. 50 km.

Tighten the fastening screws using enclosed hand crank 1.

Connecting the power supply of the cabin (280 / 280 S only)

Insert 13-pin plug **1** into socket **2** and turn the locking mechanism of 13-pin plug **1** clockwise.

4 Battery

4.1 General safety information for battery handling



Caution

Risk of explosion due to battery gases

- In closed battery compartments oxyhydrogen gas may be generated. Increased caution after battery charging using a charger.
- Due to permanent consumers, which cannot be switched off, sparks may be generated when disconnecting the batteries. These sparks may ignite the gas. Vent the battery compartment prior to disconnecting the batteries.
- Avoid short circuits due to reverse polarity or storing of metal objects (keys, pliers, etc.) on the battery terminals.



Caution

Risk of injuries

- Only have trained specialist personnel work on the electrical system.



Attention

Risk of discharge

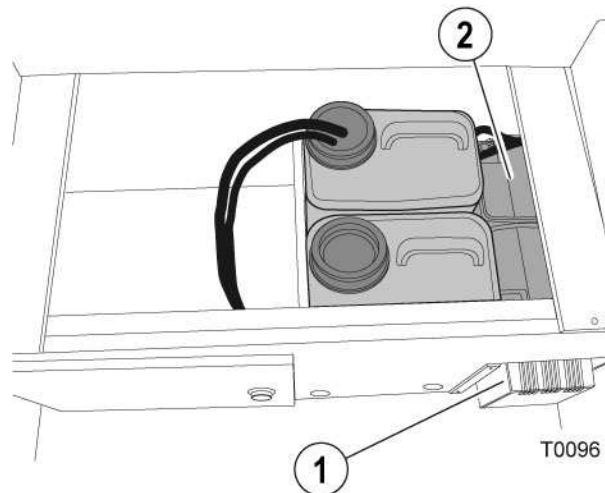
- The battery of the carrier vehicle is charged with 2 Ampere via the 230 Volt charger.



Note

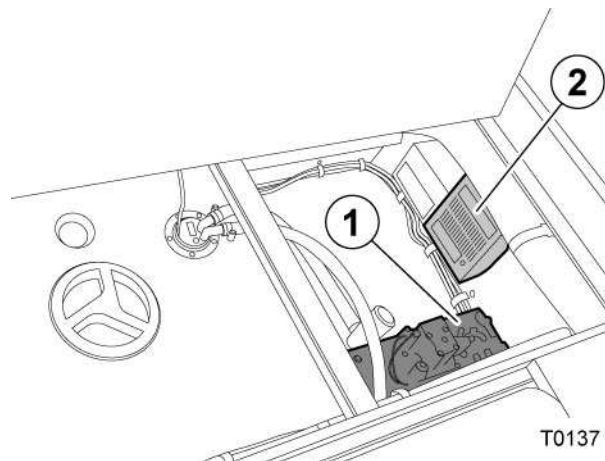
- The manufacturer (Banner) provides the following information regarding the longest possible battery service life: The battery must be charged in intervals of 3 weeks for at least 48 hours using the 230 Volt charger integrated into the cabin.

4.2 Battery (200 to 260 RS and 305 S only)



Battery **2** is located under the centre seat bench. 230 Volt charger **1**, visible from the outside, is located directly next to it.

4.3 Battery (280 / 280 S only)



Battery **1** is located under the left seat bench. 230 Volt charger **2** is integrated into the stowage space.



Caution Risk of fire

- Do not cover 230 Volt charger **2** in the storage space during the charging process. The charger heats up during operation.

5 Living/Operation

5.1 Important information

Doors

Together with the cabin, you receive two keys with stamped in key number. Please write down this key number. In case of loss, you can reorder keys from us indicating this key number and the serial number of the camper cabin. The serial number of the camper cabin can be found at the front right on the type plate on the outer wall.



Note

- We deliver our camper cabins applying the master key principle, i.e., both enclosed keys open all cabin doors.

Side windows



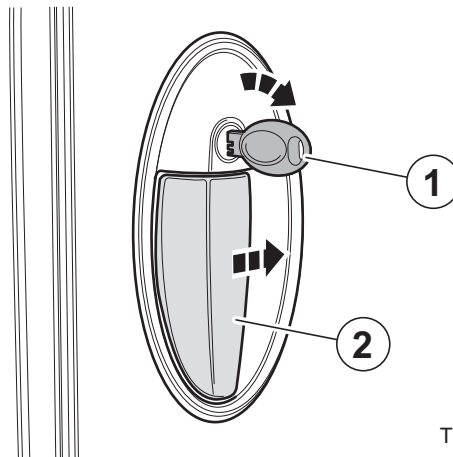
Attention

Risk of damage

- The side windows consist of acrylic glass and may not be treated with de-icing spray or an ice scraper.
- Acrylic glass is fine-pored and can fog up under extreme air humidity. The condensation disappears in dry air.

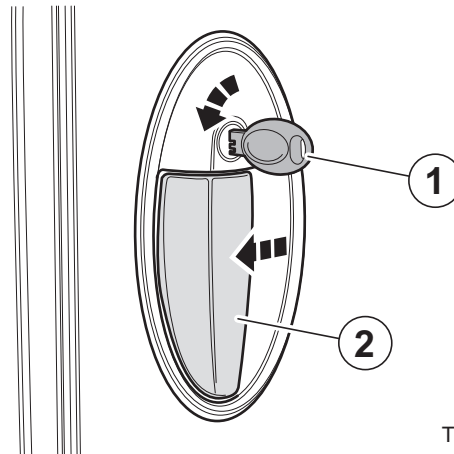
5.2 Entry door

Opening from the outside



Unlock the entry door lock using key **1**. For this purpose, turn key **1** a quarter turn clockwise. Pull grab handle **2** and open the entry door.

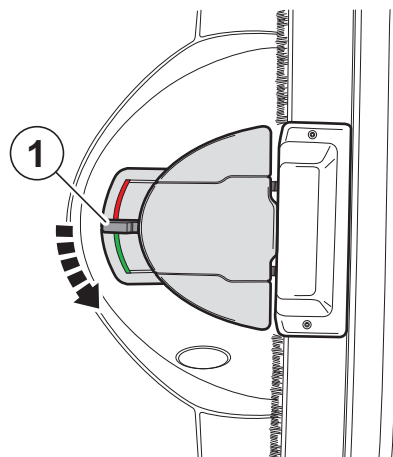
Closing from the outside



T0143

Push the door closed using grab handle **2**. Lock the entry door lock using key **1**. For this purpose, turn key **1** a quarter turn counterclockwise.

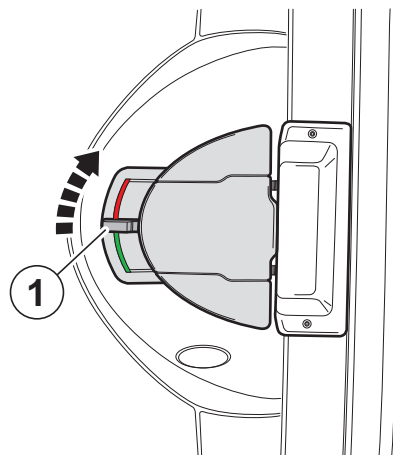
Opening from the inside



T0145

Press lever **1** down until the door is unlocked.

Closing from the inside

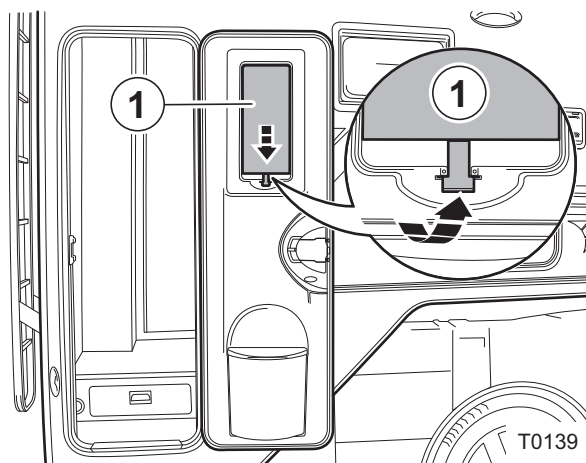


T0144

Pull the door shut and pull lever **1** upwards until the door is locked.

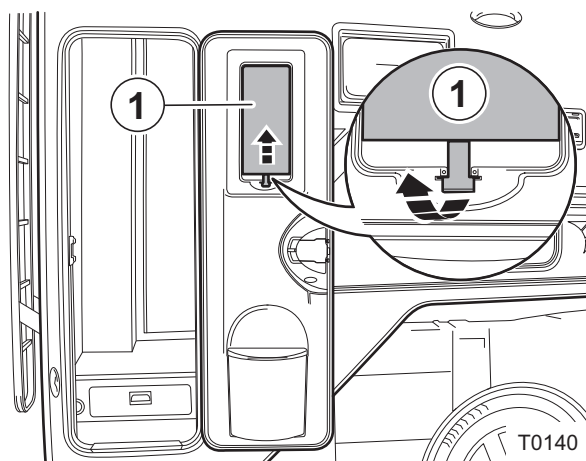
5.3 Door blind

Closing



Pull blind **1** down using the handle in the centre and hook it in the frame.

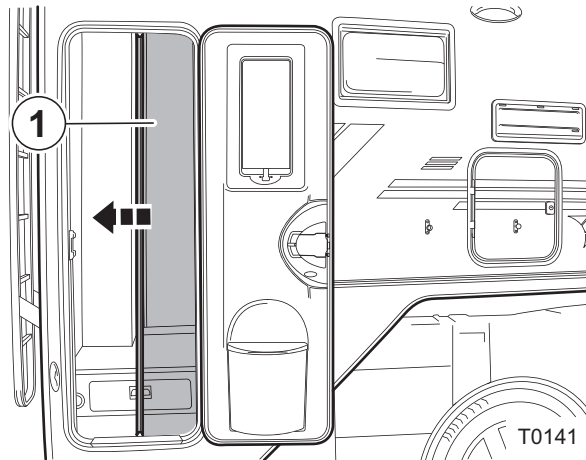
Opening



Unhook blind **1** and have it slowly slide upwards.

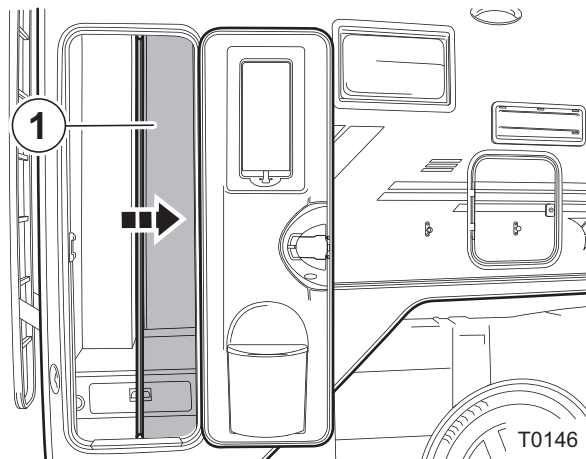
5.4 Screen door

Closing



Slide screen door **1** on the frame outward.

Opening



Slide screen door **1** on the frame inward.

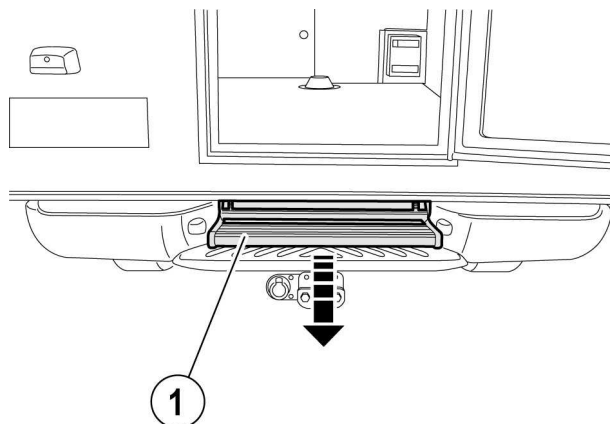


Note

- The screen door cannot be locked.

5.5 Step

Folding the step out



T0023



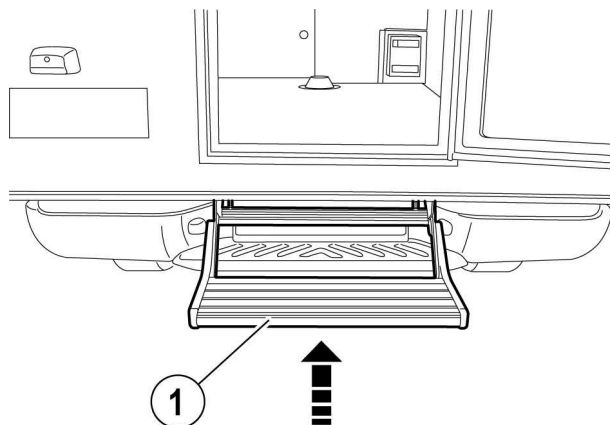
Caution

Risk of injuries

- Spring force pushes the step outward when the step is pulled out.

Pull step 1 outward. Step 1 latches automatically.

Folding the step in

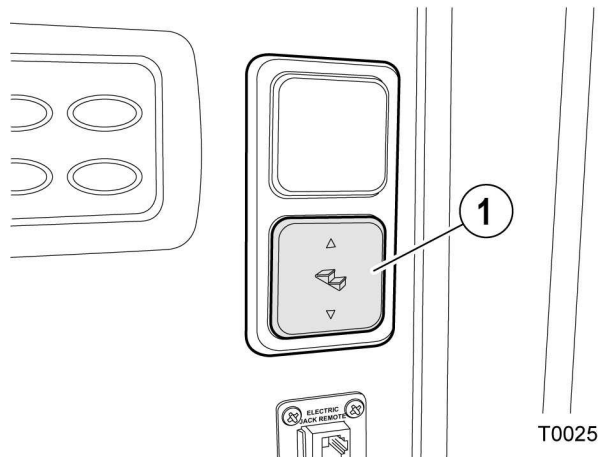


T0024

Push step 1 inward. Step 1 latches automatically.

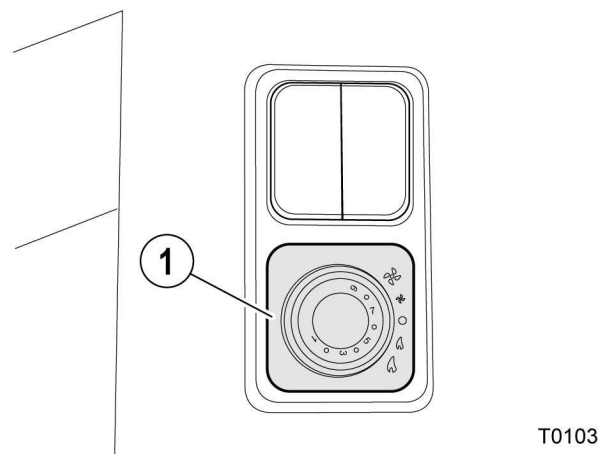
5.6 Electrical step (special equipment)

Folding the step in or out



Actuate button **1** at the entrance in order to fold the step in or out.

5.7 Heating/Ventilation 215 to 305S (special equipment for 200)

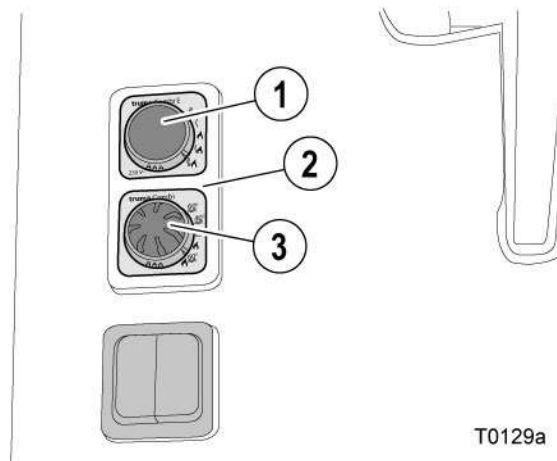


Note

- For an exact description of the operation, refer to the enclosed operating instructions by Truma.

In the direction of travel, the operating element of heating/ventilation **1** is located below the interior lighting switch, on the left or right, on the furniture element.

5.8 Heating/Ventilation (215 to 305 S with L equipment only)



T0129a



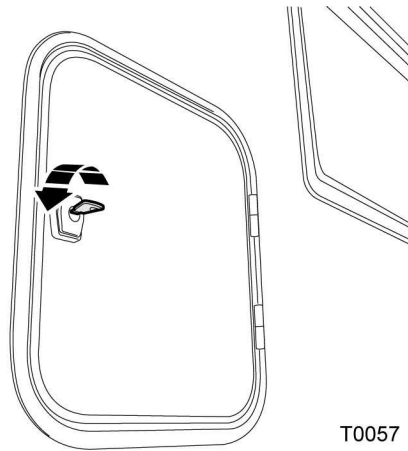
Note

- For an exact description on how to operate the Truma Combi 4, refer to the enclosed Combi 4E operating instructions by Truma. (Operating element 1) = Special equipment

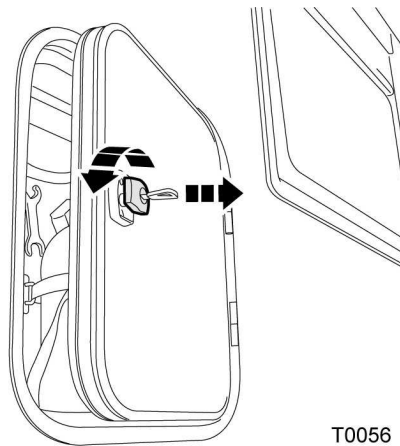
In the direction of travel, operating element **2** is located on the left, on the furniture element.
Using energy selection switch **1**, you can select between gas, electricity and mixed operation.
Using operating element **3**, you can select the water heater and heating functions.

5.9 Gas cylinder compartment door

Opening



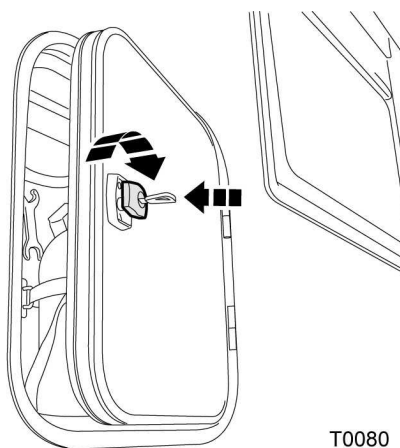
T0057



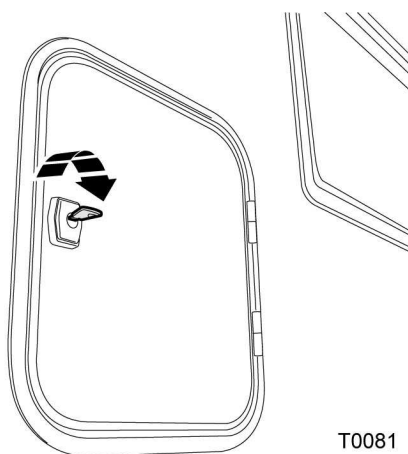
T0056

Unlock the lock of the gas cylinder compartment door using the key. For this purpose, turn the key a quarter turn counterclockwise. Turn the extended lock a quarter turn counterclockwise and open the gas cylinder compartment door.

Closing



T0080

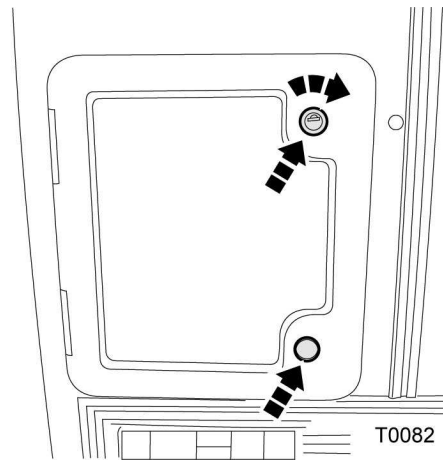


T0081

Firmly press against the gas cylinder compartment door and turn the handle a quarter turn clockwise at the same time. Now, lock the lock by turning the key a quarter turn clockwise and pushing in the lock.

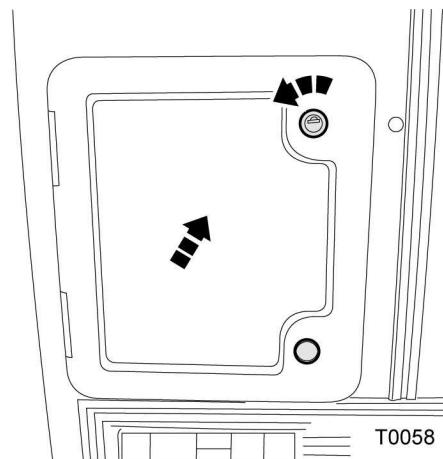
5.10 Waste-holding tank door (215 to 305 S with L equipment only)

Opening



Insert the key into the upper lock of the waste-holding tank door. Turn the key a quarter turn clockwise. The lower lock cannot be locked. Now push in both locks.

Closing



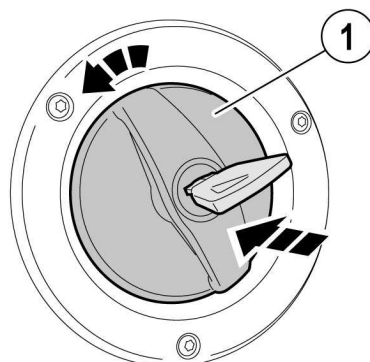
Note

- You can find further information in chapter **Sanitary installation** and in the enclosed manufacturer's instruction by Dometic.

Firmly push against the waste-holding tank door. Lock the door by turning the key a quarter turn counterclockwise.

5.11 Water tank (215 to 305 S with L equipment only)

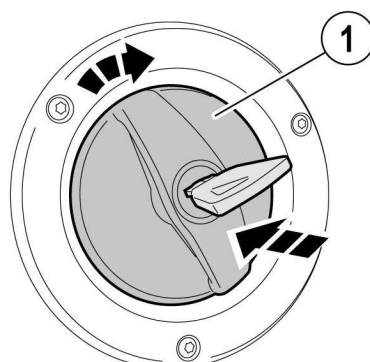
Opening the locking cap



T0059

Unlock the lock of locking cap **1** using the key. For this purpose, turn the key a quarter turn counterclockwise. Push in the locking cap and turn it a quarter turn counterclockwise at the same time.

Closing the locking cap



T0083



Attention

Risk of damage

- Make sure that the pressure pump is never switched on when the water tank is empty. This may cause damage to the pressure pump.



Note

- You can find further information in chapter **Sanitary installation**

Insert locking cap **1** into the filler neck and turn it a quarter turn clockwise. In order to lock it, turn the key a quarter turn clockwise.

5.12 Passage way door (280 S special equipment)

Camper cabin TRAIL 280 / 280 S can be optionally ordered with a passage way to the driver's cabin. The door can be unhinged to keep the passage way permanently open. If the cabin is mounted on the vehicle, the door can be unhinged and hinged as well.

5.13 Side windows

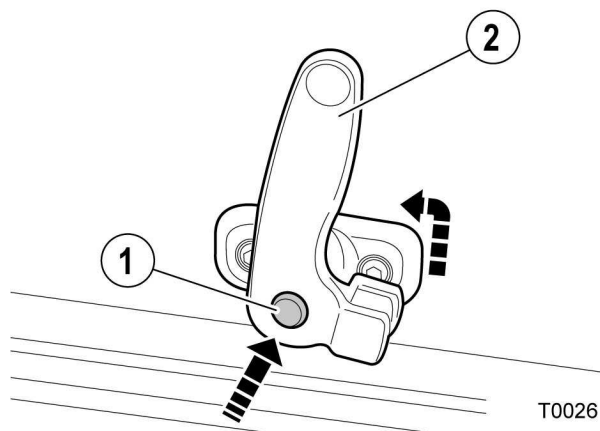


Attention

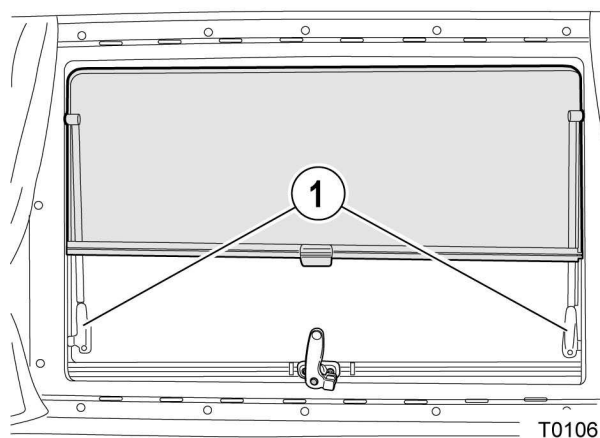
Risk of damage

- Prior to departure, make sure that the side windows are properly closed. Make sure that the ventilation position is not selected.

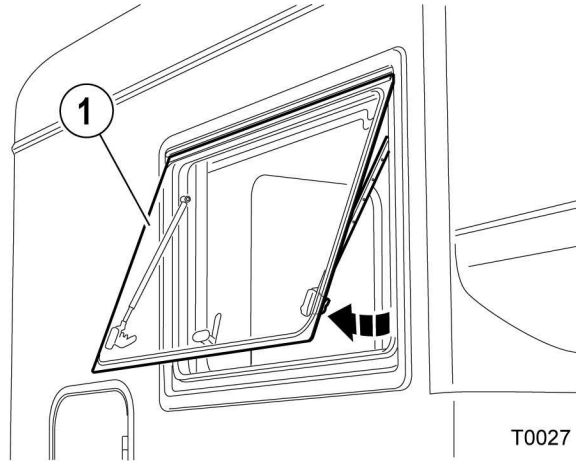
Opening side windows



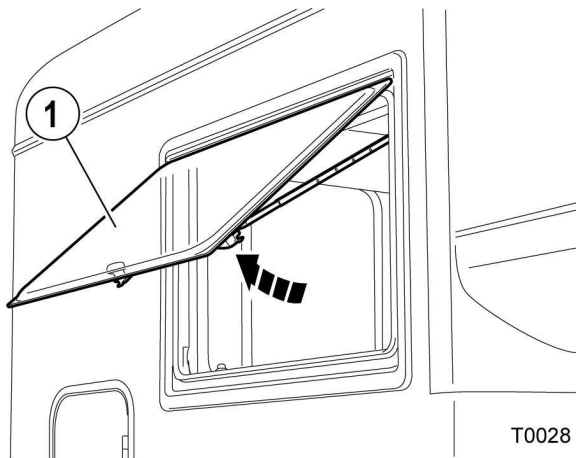
In order to open the side windows, press button 1 and turn handle 2 upward a quarter turn at the same time.



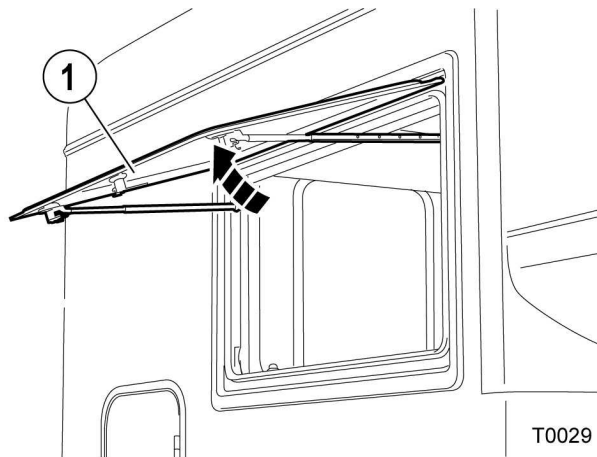
Repeat the work step for both side handles 1.



T0027



T0028

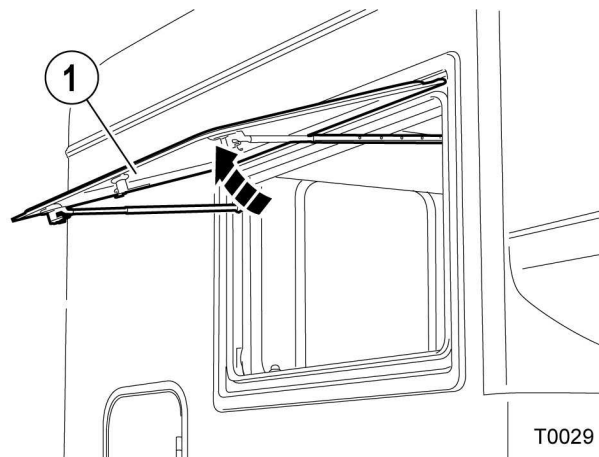


T0029

Swivel side window **1** outward.

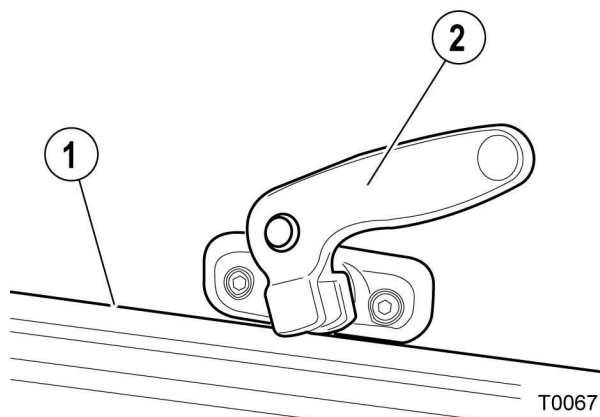
The latching positions can be perceived by audible clicking. You can latch the window in three positions. The window in the alcove provides two latching positions.

Closing side windows



In order to close side windows **1**, swivel side window **1** outward to the maximum opening angle and close it slowly. Now turn the key a quarter turn downward.

Closing the side windows in ventilation position

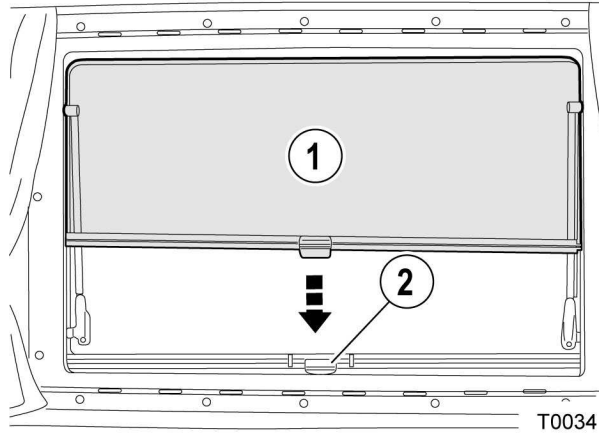


In order to close the side windows in ventilation position, the grip of handle **2** must engage over the narrow side **1** of the frame.

5.14 Combination blind

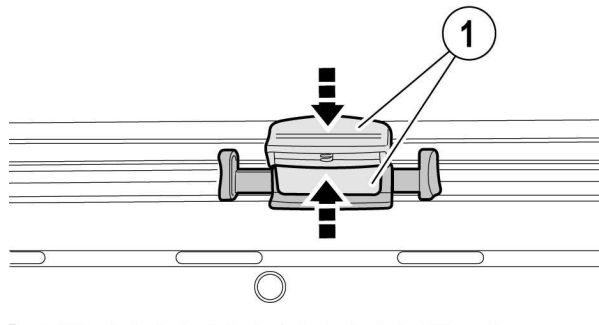
A combination blind with screen and sunshade is integrated into the window.

Closing the screen



Pull screen **1** down on the handle in the centre of the blind. The handle of screen **1** latches in handle **2** of the sunshade.

Opening the screen

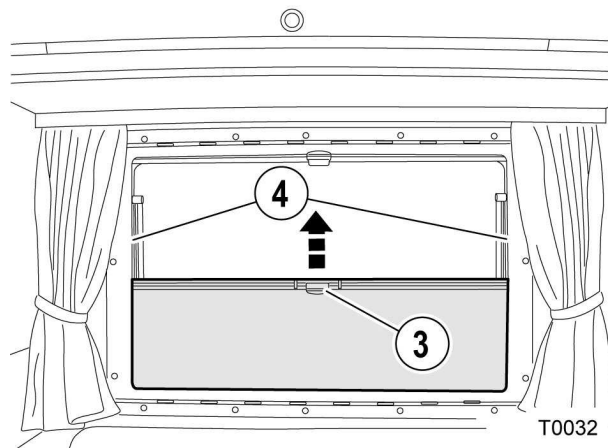


T0033

Press handle **1** of the screen together and guide it upward.

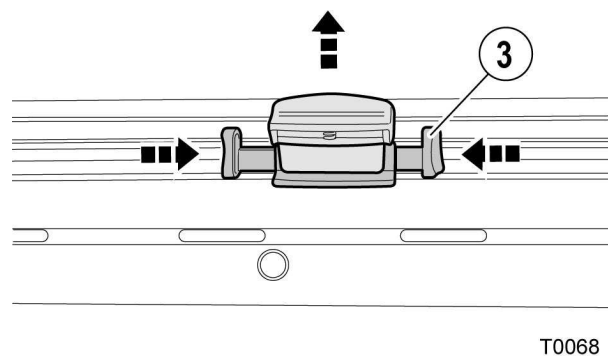
The screen can be connected with the sunshade in any position.

Closing the sunshade



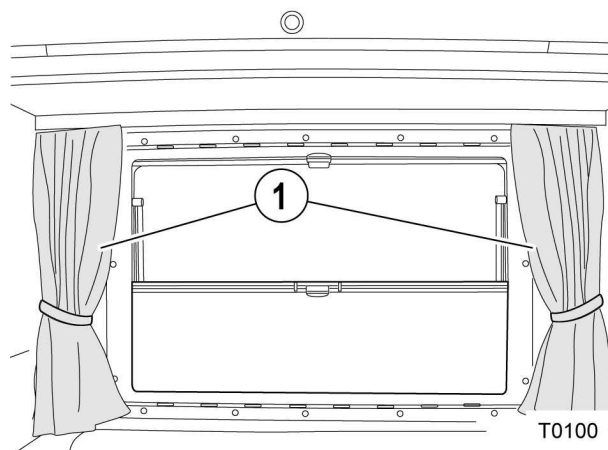
Guide the sunshade upward using handle **3** and latch it in one of nine possible positions **4**. The screen can be connected with the sunshade in any position.

Opening the sunshade



Press handle **3** together on the left and right side and guide the sunshade out of the latching.

5.15 Curtains



Except the window in the alcove, the living room windows are fitted with curtains **1**. Curtains **1** are guided in an aluminium rail. The passage to the alcove is fitted with curtains as well, which can be closed.

5.16 Skylight



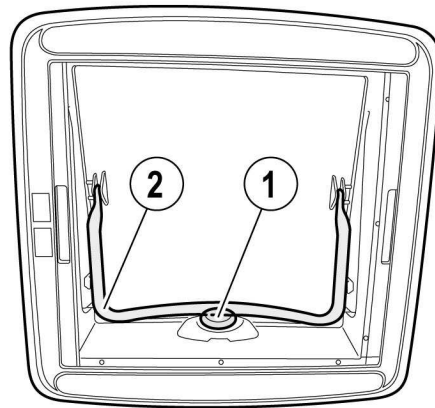
Attention

Risk of damage

- Prior to departure, make sure that the skylights are properly closed.

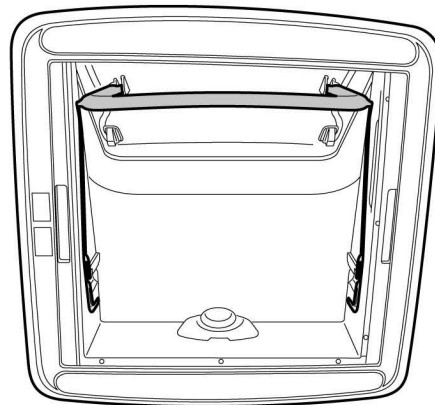
Depending on the model, the cabin is equipped with one, two or three skylights, which are fitted with screen and sunshade as well.

Opening the skylight



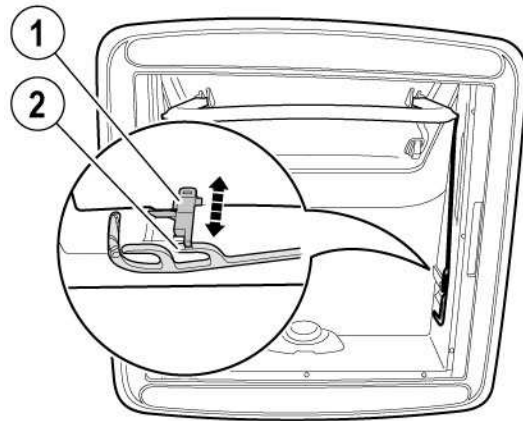
T0039

Press button **1** inward and pull handle bar **2** down- and backward. You can latch the skylight in three positions.



T0035

The figure shows the position, in which the skylight is the farthest open.



T0036

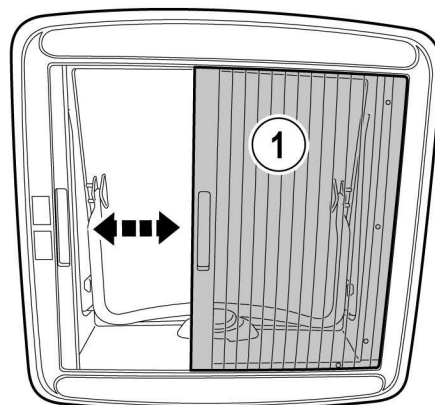
In the second position **2** you can latch the handle bar by adjusting pin **1**. For this purpose, guide the handle bar into the second position **2** and press down pin **1**.

Closing the skylight

In order to close the skylight, guide the handle bar upward-forward until it latches.

In order to close the skylight from the second position, pull pin **1** up and guide the handle bar backward.

Closing and opening the screen

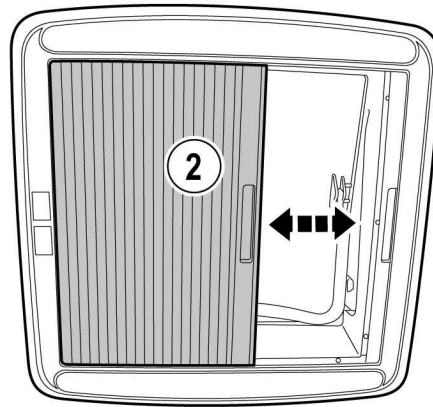


T0038

In order to close screen **1** slide it from the right to the left.

In order to open screen **1** slide it from the left to the right.

Closing and opening the sunshade



T0037

In order to close sunshade **2** slide it from the left to the right.

In order to open the sunshade slide it from the right to the left.

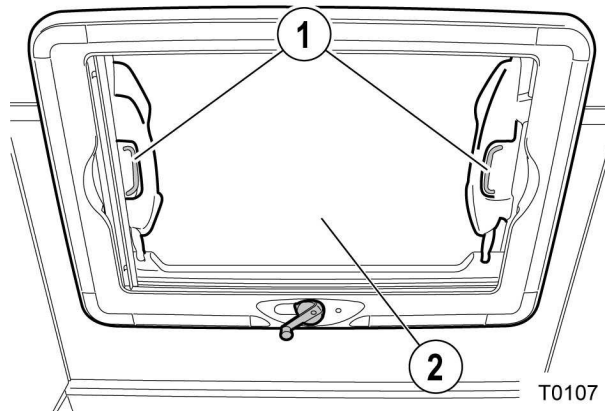


Note

- In strong sunlight the shade blind (sunshade) may only be closed 2/3 and the skylight must be moved into ventilation position.
- For an exact description of the operation, refer to the enclosed operating instructions by Dometic/Seitz.

5.17 Panorama skylight (special equipment)

Opening the panorama skylight (ventilation position)



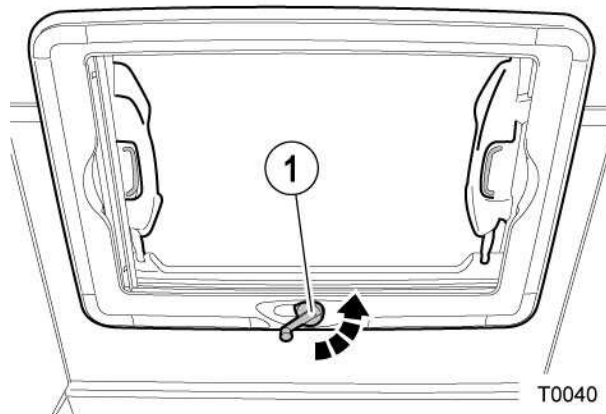
T0107



Note

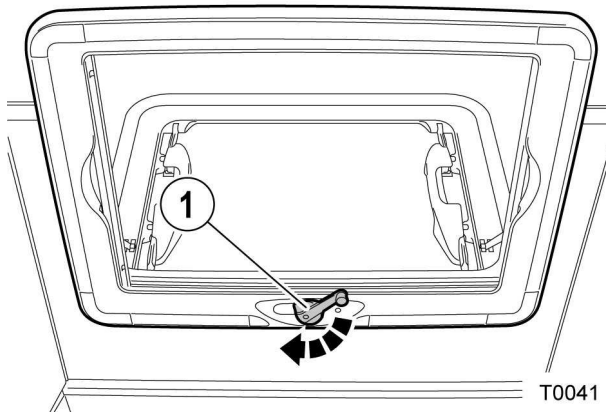
- Using the crank, it is possible to completely open the panorama skylight in the ventilation position as well.

Press handles **1** inward and open panorama skylight **2** upward until it latches in the ventilation position.



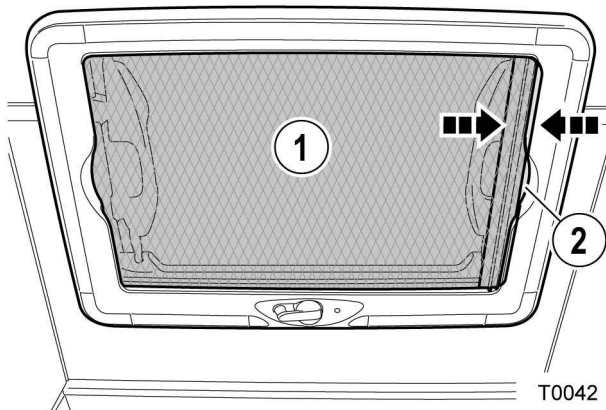
Unfold crank **1** and turn the crank counterclockwise in order to open the panorama skylight.

Closing the panorama skylight



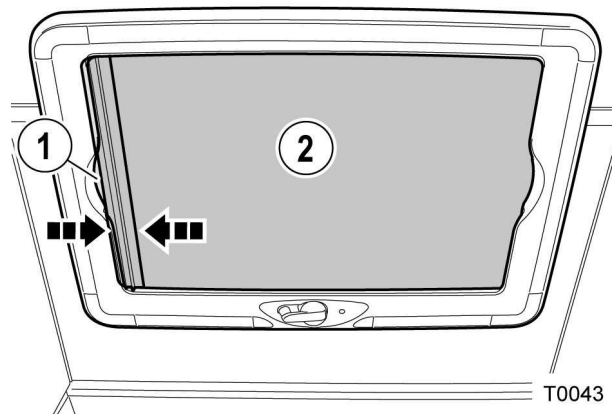
Turn the crank clockwise until the panorama skylight rests on the frame. Next, continue turning for another 2 ½ revolutions. Fold in crank **1**. Firmly pull the panorama skylight shut using both handles in order to close the panorama skylight using the handles.

Closing and opening the screen



In order to close the screen slide it from the left to the right. In order to open screen **1** slide it from the right to the left. Latch screen **1** on handle **2** of the sunshade.

Closing and opening the sunshade



In order to close sunshade **2** slide it from the right to the left. Latch sunshade **2** on handle **1** of the screen.

In order to open the sunshade slide it from the left to the right.



Note

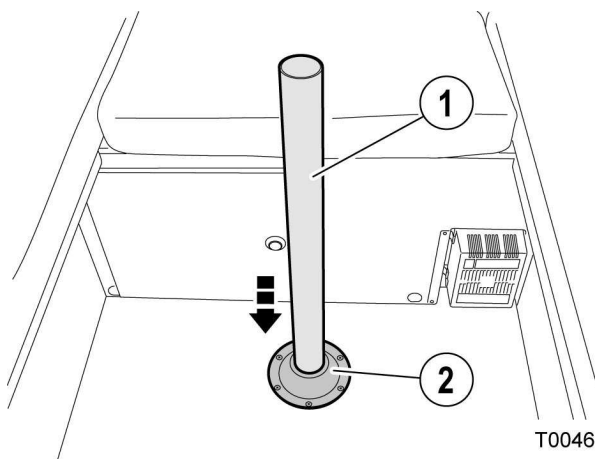
- In strong sunlight the shade blind (sunshade) may only be closed 2/3 and the skylight must be moved into ventilation position.
- For an exact description of the operation, refer to the enclosed operating instructions by Dometic/Seitz.

6 Furniture

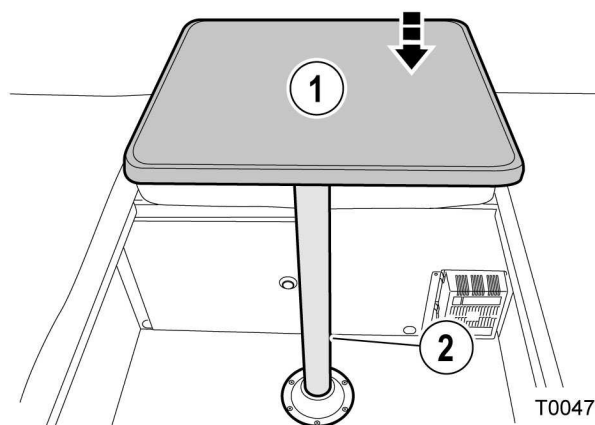
6.1 Table (200 to 260 RS only)

Tabletop and table leg are stored under the mattresses. It is possible to place the table top between the seat benches and thus, create an additional place to sleep.

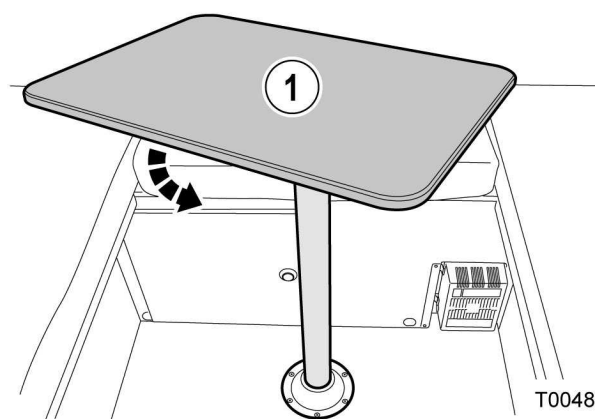
Table assembly and disassembly



Insert table leg **1** into adapter **2** on the cabin floor.

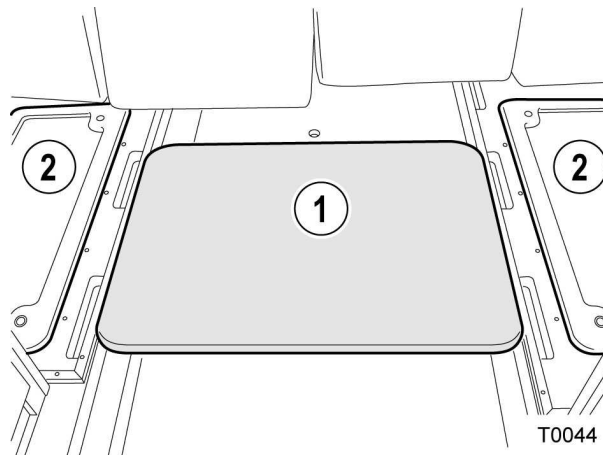


Now attach tabletop **1** onto table leg **2**.

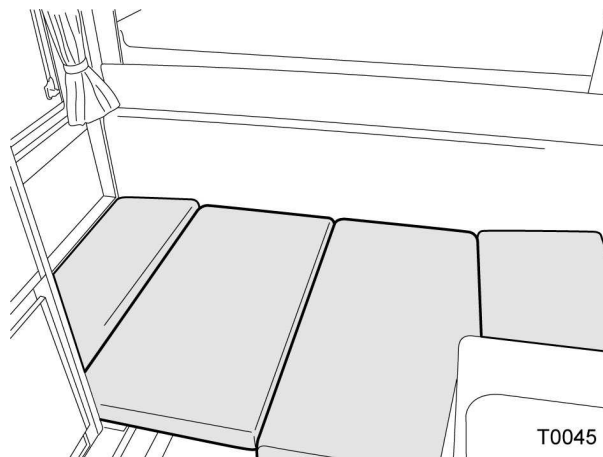


By rotating tabletop **1** the table can be used for two or four persons.

Additional place to sleep



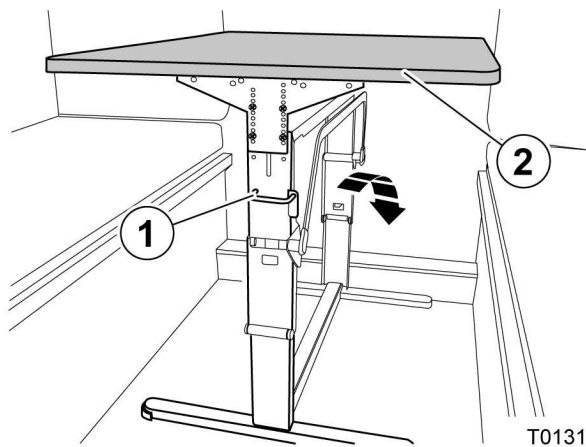
Remove the cushions from the left and right seat benches 2. Place table top 1 across the outer edges of seat benches 2.



Now place all four cushions lengthwise on the tabletop and seat benches.

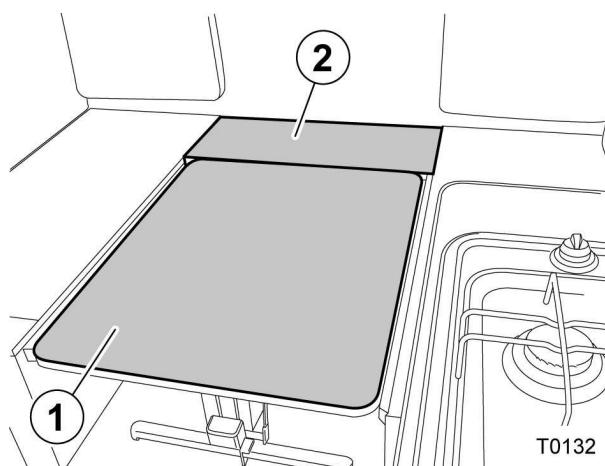
6.2 Table (280 / 280 RS and 305 S only)

Collapsing the table



In order to collapse table **2** pull locking mechanism **1** upward and fold table **2** backward and down.

Additional place to sleep



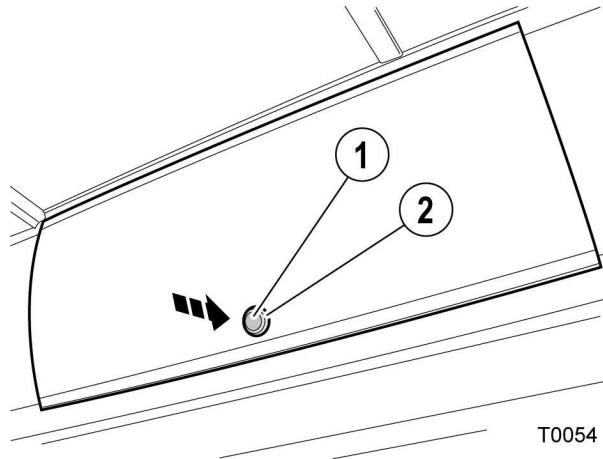
Place enclosed board **2** between the seat benches and slide lowered table **1** between the seat benches.

Next, the seat cushions can be spread out as sleeping area.

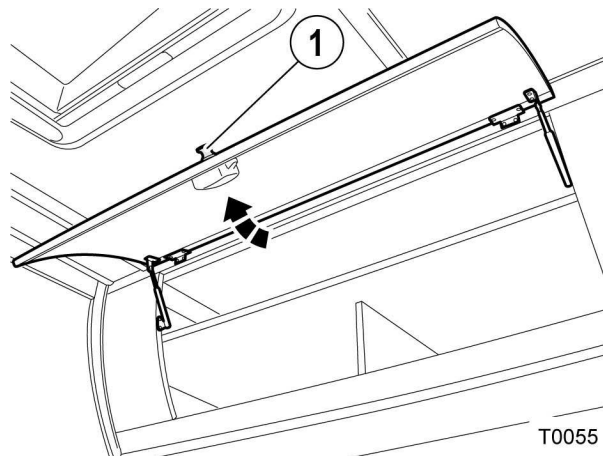
6.3 Cabinets

The following type of handles is installed on all cabinet doors and drawers in the interior. Its functionality is described using a cabinet door as example.

Opening cabinet doors

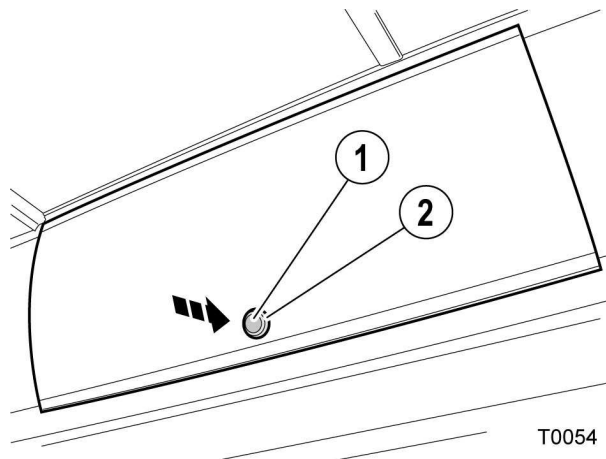


Push button **1** in the centre of handle **2** and have the handle extend.



Swing the cabinet door upward using extended handle **1**.

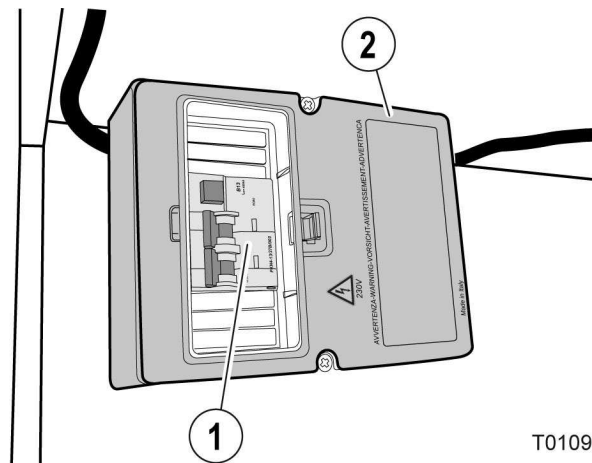
Closing cabinet doors



Close the cabinet door and push button **1** in the centre of handle **2** until it latches.

7 Electrical equipment

Fuses



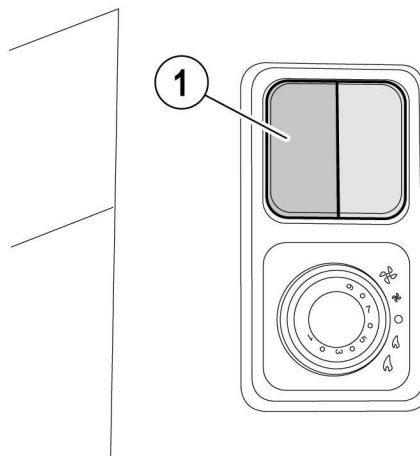
T0109

The 220 Volt system is protected with 16 A circuit breaker **1**.

Fuse box **2** with circuit breaker **1** and PRCD (portable residual current circuit breaker) is accommodated in the cabinet close to the heater.

7.1 Lighting

Ceiling lights (without board control system)

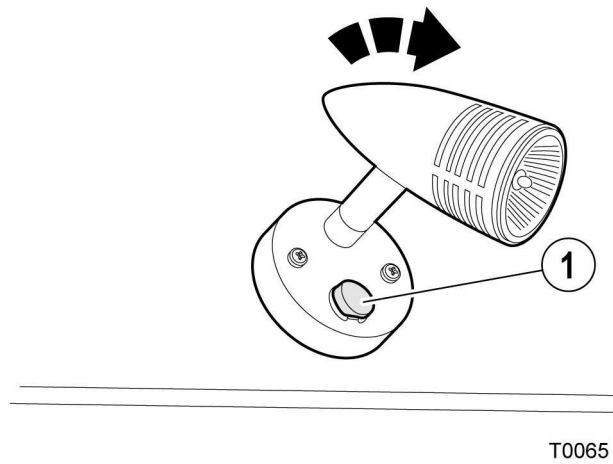


T0063

In the direction of travel, the switches for the ceiling spots are located on the left side on the furniture element.

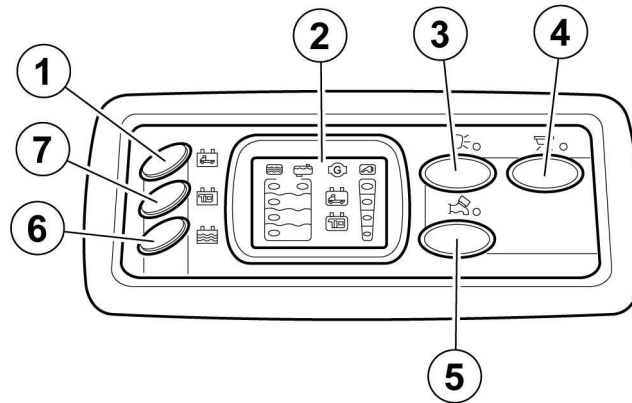
Left switch **1** switches the right ceiling light and vice versa.

Reading light



A swivel-mounted reading light is installed in the alcove above the window. Press switch **1** in order to switch it on or off.

7.2 Board control system PC100 (standard equipment, 200 not supported)



T0089

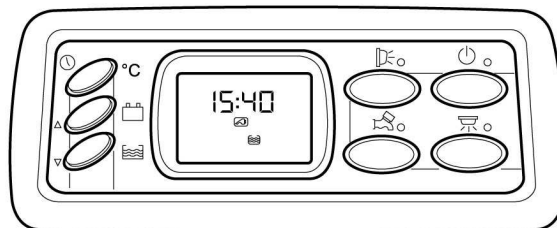
1	Vehicle battery monitoring button	5	Water pump switch
2	Display panel	6	Fresh water tank monitoring button
3	Awning light switch	7	Consumer battery monitoring button
4	Consumer main switch		

The electrical system of the cabin is switched on using main switch **4**. Only after that all other electrical consumers can be switched on. Heater Truma Combi 4 is equipped with a continuous function.

The panel of the board control system can be found in the interior on the right side of the entry door. Water tank and battery status are indicated via the board control system.

External lighting can be switched on or off via the board control system.

7.3 Board control system PC200 (special equipment, 200 not supported)



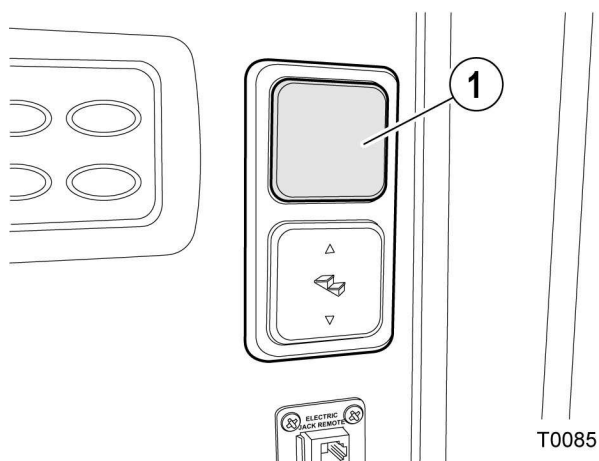
T0093



Note

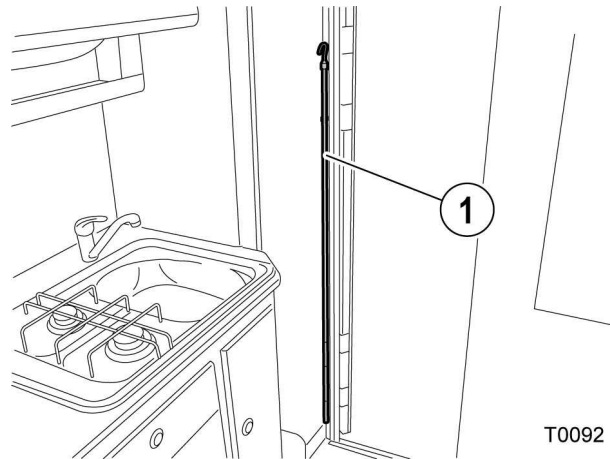
- For an exact description of the operation of both variants, refer to the enclosed operating instructions by CBE.

7.4 Entrance light (special equipment)



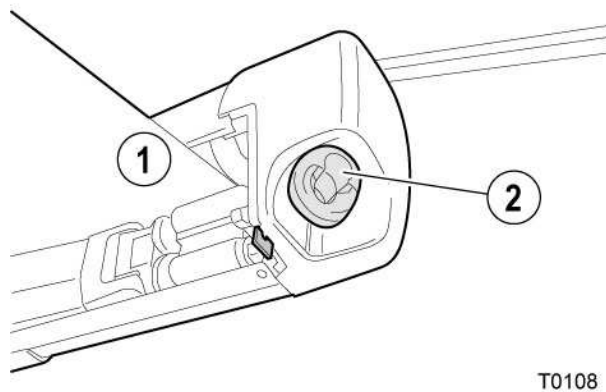
Switch 1 for the entrance light is located on the right side of the entry door.

8 Awning (special equipment)



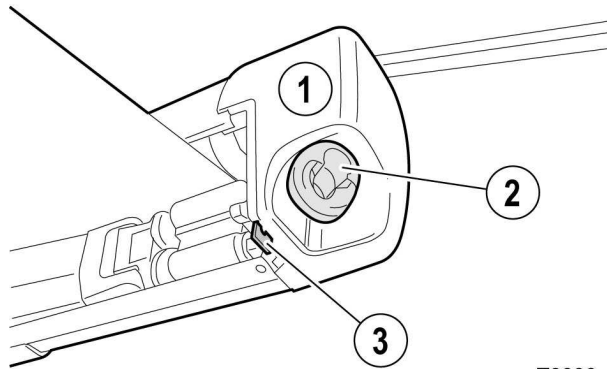
Crank **1** for the awning is located in the interior next to the entry door.

Extending the awning



In order to extend awning **1** insert the crank into adapter **2** and turn the crank to extend the awning.

Retracting the awning



T0090



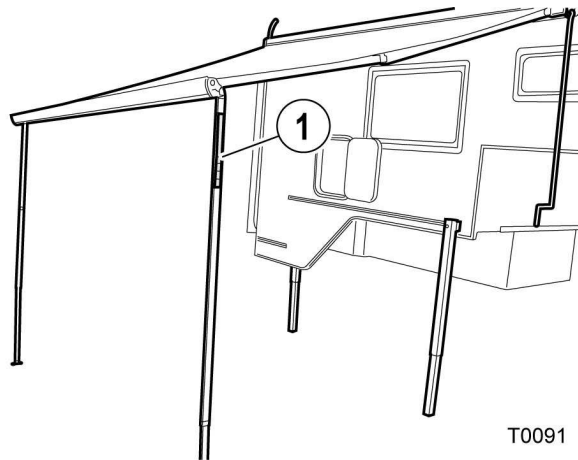
Caution

Risk of injury due to independent extending of the awning

- Please observe that right plastic indicator **3** is not visible if the awning is completely retracted.

In order to retract awning **1**, insert the crank into adapter **2** and turn the crank to retract the awning.

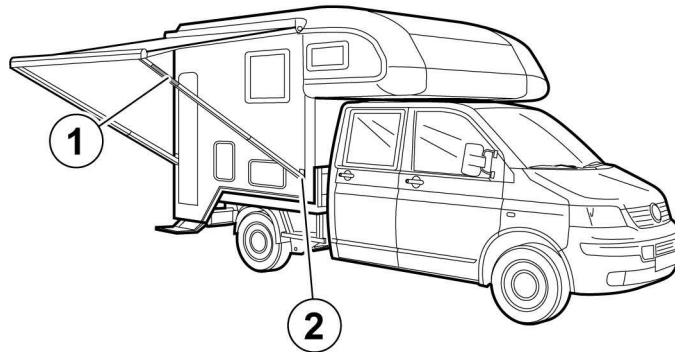
8.1 Support struts



T0091

Follow instructions **1** on the supporting struts in order to install the supports.

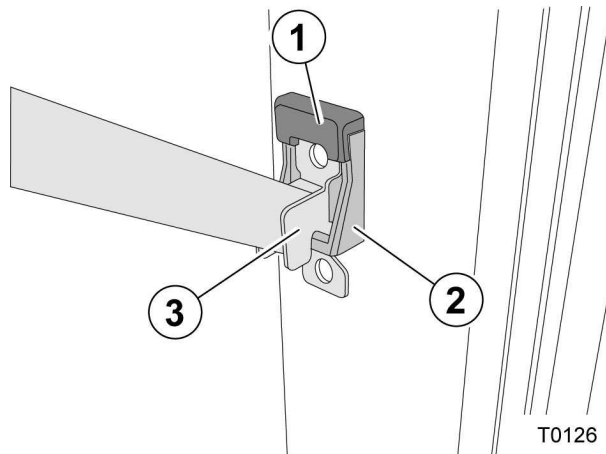
8.2 Support struts (awnings only, which do not exceed the length of the cabin)



T0124

Follow instructions **1** on the supporting struts in order to install the supports.
The supporting struts are inserted into respective holders on the vehicle.

Supporting the awning

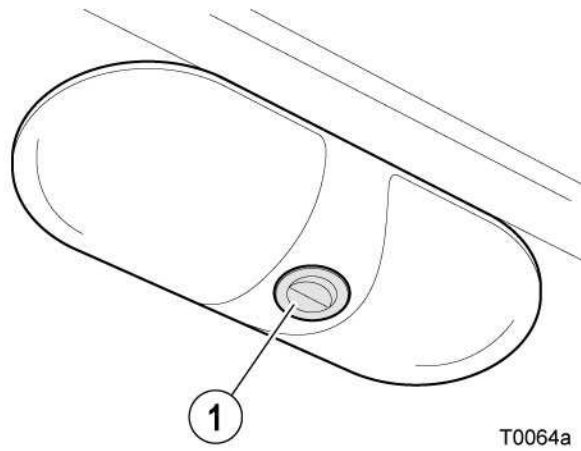


T0126

In order to insert strut **3**, slide locking mechanism **1** of holder **2** upward, insert the strut and slide locking mechanism **1** downward again.

9 Kitchen

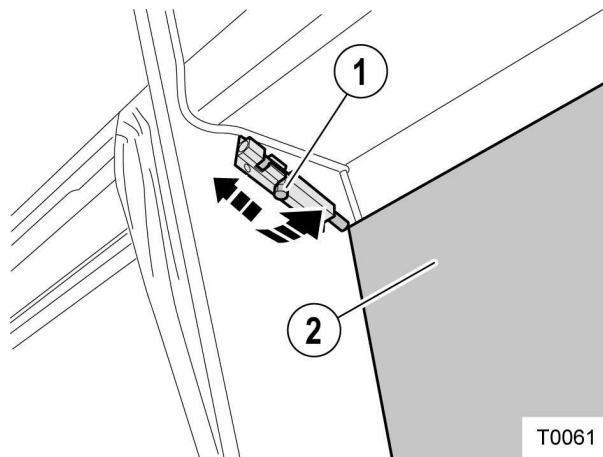
9.1 Kitchen light



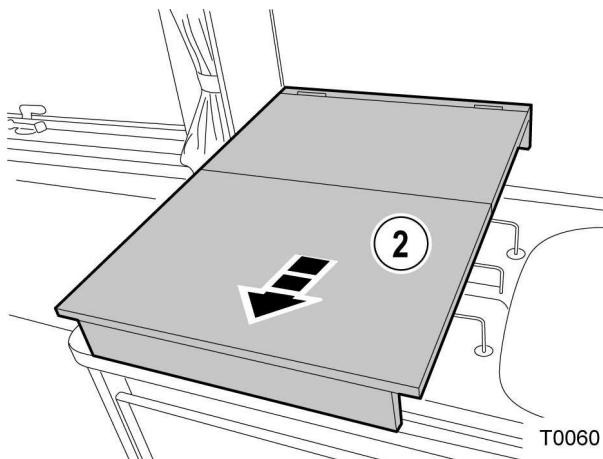
Switch **1** for the kitchen light is located directly on the lamp.

- Position 1 = light is off.
- Position 2 = light is on.

9.2 Hob cover

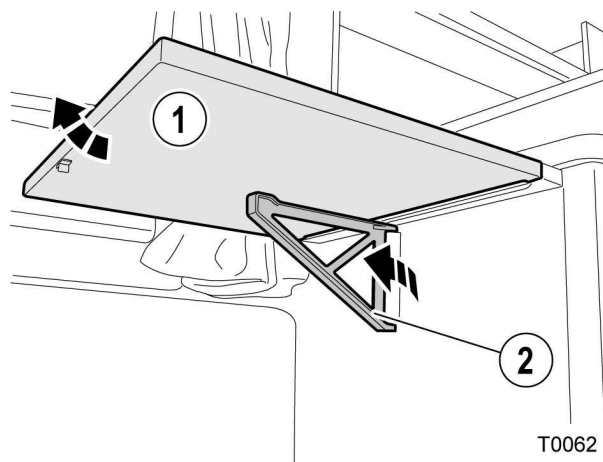


In order to fold down the cover for the hob, hold cover **2**, loosen locking mechanism **1** and fold down cover **2**. In order to fold the cover up, proceed in reverse order.



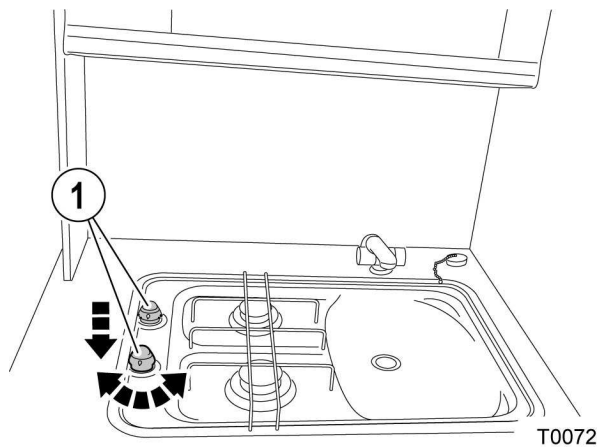
9.3 Extending the working area (special equipment)

In order to unfold the working area extension **1**, lift working area **1** and pivot support **2** to the left. In order to fold working area **1** down, proceed in reverse order.



9.4 Gas hob

Initial operation



Caution

Danger to life

- The gas hob may not be used for heating purposes.
- When operating the gas hob, skylight(s) and ventilation (windows) must be open.



Note

- Observe chapter **Gas supply** prior to using the gas hob.

Depress gas tap **1** of the desired burner and turn it counterclockwise into the centre position at the same time. Ignite the gas and hold gas tap **1** depressed for an additional approx. 10 seconds, until the safety pilot is heated.

9.5 Refrigerator



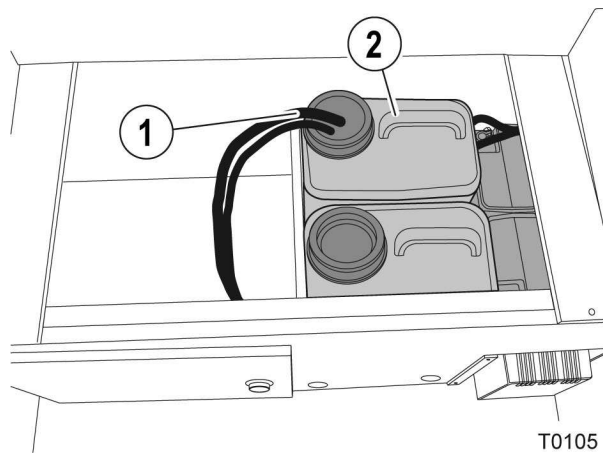
Note

- For an exact description of the operation, refer to the enclosed operating instructions by Dometic.

Depending on the model, the refrigerator is integrated into the left or the right side of the furniture element (in the direction of travel).

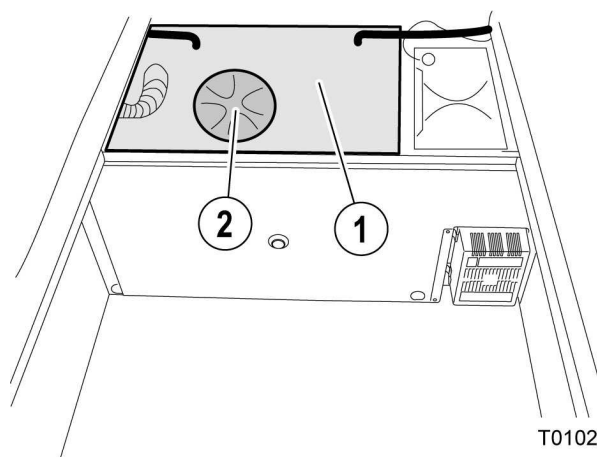
10 Sanitary installation

10.1 Fresh water supply (standard equipment)



By default the cabin is equipped with two fresh water tanks **2** with 15 litres capacity each. An electrical submersible pump **1** pumps water to the tapping points in kitchen and bathroom.

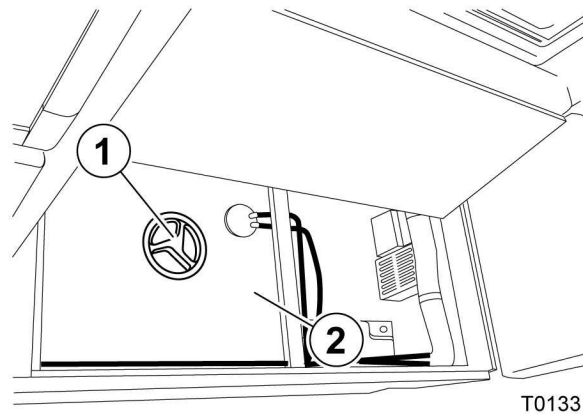
10.2 Fresh water supply (215 to 260 and 305 S with L equipment only)



When L equipment is configured, the cabin is equipped with one fresh water tank with 80/97 litres capacity. A pressure pump pumps water to the tapping points.

Water tank **1** is located under the centre seat bench and is filled by hose from the outside via a filler neck (see chapter Water tank). The tank is equipped with an overflow to the outside. In order to clean the tank, open cleaning opening **2** (screw plug).

10.3 Fresh water supply (280 /280 S with L equipment only)



When L equipment is configured, the cabin is equipped with one fresh water tank with 80/97 litres capacity. A pressure pump pumps water to the tapping points.

Water tank **2** is located under the left seat bench and is filled by hose from the outside via a filler neck (see chapter Water tank). The tank is equipped with an overflow to the outside. In order to clean the tank, open cleaning opening **1** (screw plug).



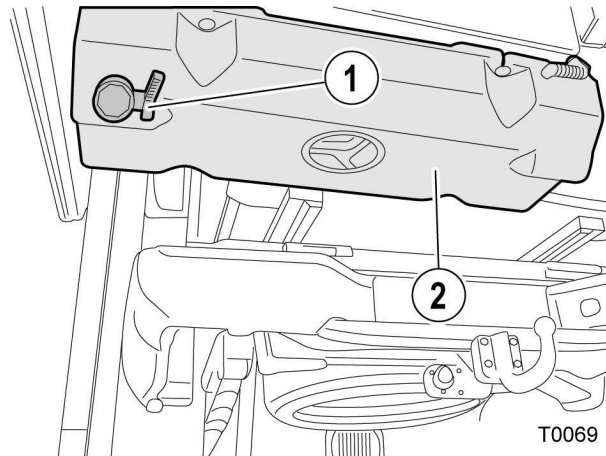
Attention

Risk of damage

- If there is a risk of frost, respectively if the cabin is parked outdoors during wintertime, please remember to empty water tank and water system.
- Water freezing in the system may result in damage to the system!
IMPORTANT IN CASE OF RISK OF FROST DAMAGE: When emptying the water system, adjust the mixer taps to the centre position between "hot" and "cold" and open them.
- For 215 to 260 RS 280 / 280 S and 305 S vehicles, the shower hose is to be pulled out and held up in order to enable draining. **NO CLAIM UNDER GUARANTEE IN CASE OF FROST DAMAGE!**

When the cabin is parked for an extended period of time, we recommend to pump the water via the taps into the waste water tank and to empty this tank via the drain cock.

10.4 Waste water tank (215 to 260 RS and 305 S only)



Attention

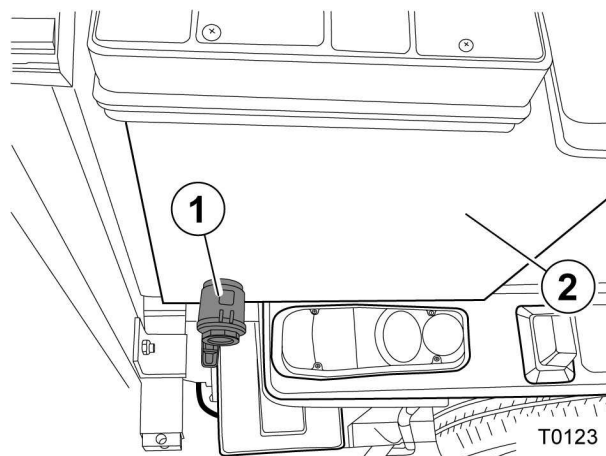
Risk of environmental pollution

- Environmental protection regulations and campsite guidelines must always be observed, when disposing of waste water! Waste water may not enter the soil.

Waste water tank **2** is located in the rear left at the transition to the rear end. Waste water tank **2** has a capacity of 48 litres. All waste water from kitchen sink, washbasin and shower are routed through hoses into this waste water tank **2**.

Waste water tank **2** is emptied by opening drain cook **1** fitted on the tank. If there is a risk of frost, an antifreeze agent should be added to waste water tank **2**. As an alternative, we also offer an "**insulated and heated waste water tank**" as an option. In case of extended periods of non-use, waste water tank **2** should be completely emptied.

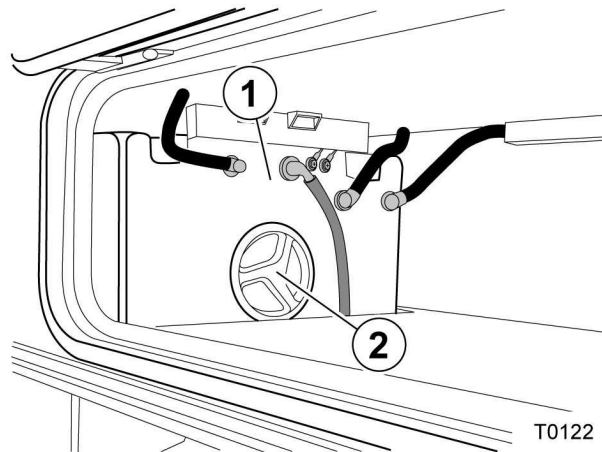
10.5 Waste water tank (280 / 280 S only)



Waste water tank **2** is located in the rear left at the transition to the rear end. Waste water tank **2** has a capacity of 45 litres. All waste water from kitchen sink, washbasin and shower are routed through hoses into this waste water tank **2**.

Waste water tank **2** is emptied by opening drain cook **1** fitted on the tank. If there is a risk of frost, an antifreeze agent should be added to waste water tank **2**. In case of extended periods of non-use, waste water tank **2** should be completely emptied.

Cleaning the waste water tank



In order to clean waste water tank **1**, you can open cleaning opening **2** via the rear stowage space and clean waste water tank **1**.

10.6 Cassette Porta Potti (215 to 280 S and 305 S with L equipment only)

When L equipment is configured, the cabin is equipped with a “Cassette Porta Potti” toilet. This toilet consists of two main parts, a built-in toilet and a waste-holding tank removable from the outside.

For flushing, the toilet is directly supplied from the fresh water tank.



Note

For information regarding the following points

- Preparation for use
- Operation
- Emptying the waste-holding tank
- Cleaning and maintenance
- Winterising the system

please refer to the enclosed operating instructions of the toilet manufacturer Dometic.



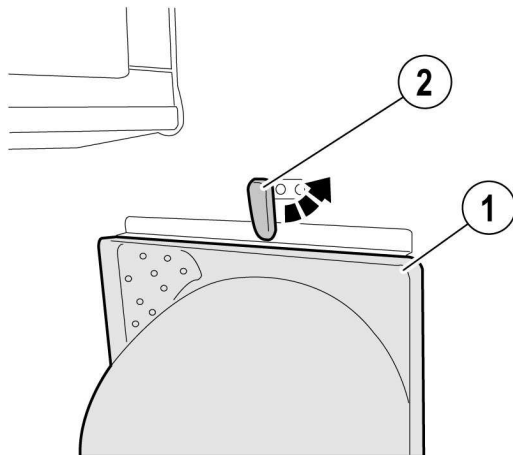
Caution

Risk of environmental pollution

- Waste may only be disposed of at suitable disposal stations. Environmental protection regulations are to be strictly followed.

10.7 Sink (215 to 305 S only)

Sink



T0086



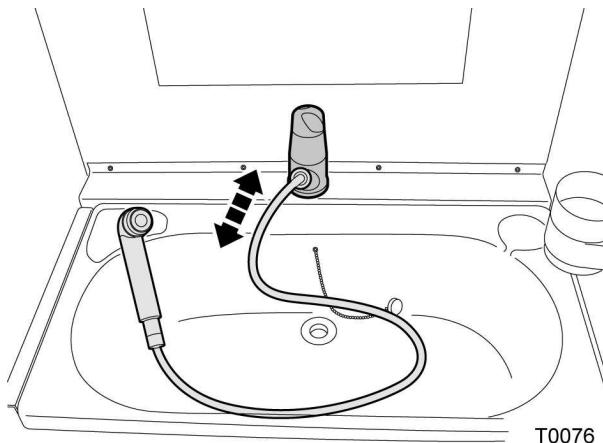
Attention

Component damage

- Prior to folding down the sink, the mixer tap must be turned completely to the right towards the outer wall.

In order to fold down sink 1, turn lever 2 a quarter turn clockwise.

Shower head (215 to 260RS with L equipment)

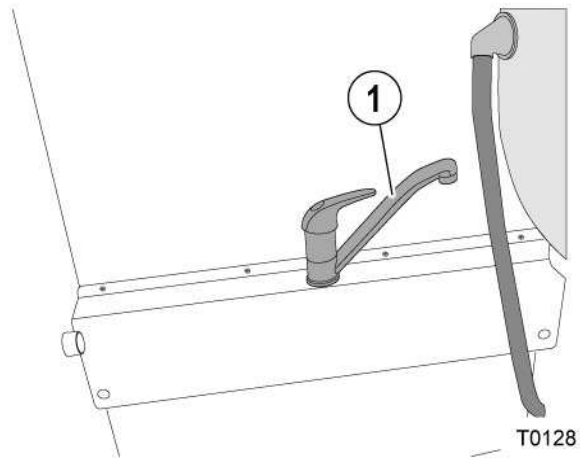


T0076

The shower head can be pulled out of the mixer tap.

10.8 Sink (280 / 280 S only)

Mixer tap

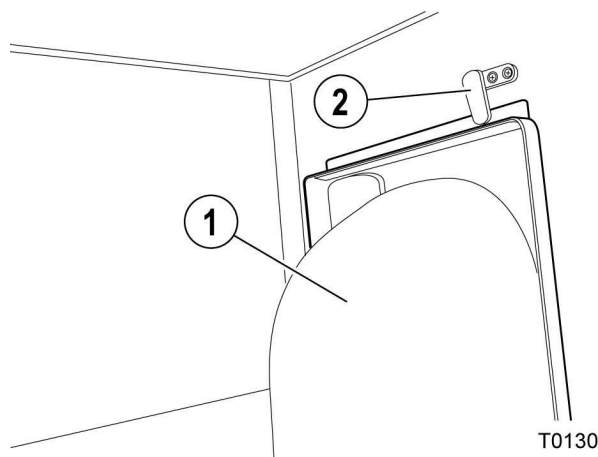


Attention Component damage

- Prior to folding down the sink, the mixer tap must be turned completely to the right towards the outer wall.

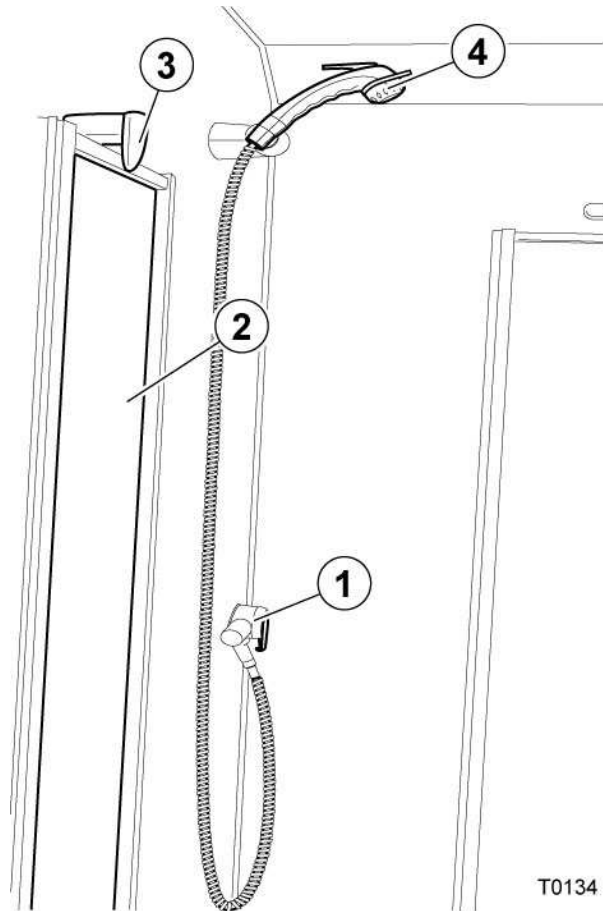
Turn mixer tap **1** completely to the right.

Sink



In order to fold down sink **1**, turn lever **2** a quarter turn clockwise.

10.9 Shower cabin (280 / 280 RS and 305 S only)



A separate shower cabin is installed in the cabin, which can be closed with respective doors **2** as splash guard.

In order to close the doors, turn lever **3** a quarter turn to the left or right and pull the doors shut. Shower head **4** can be supplied via a separate mixer tap **1**.



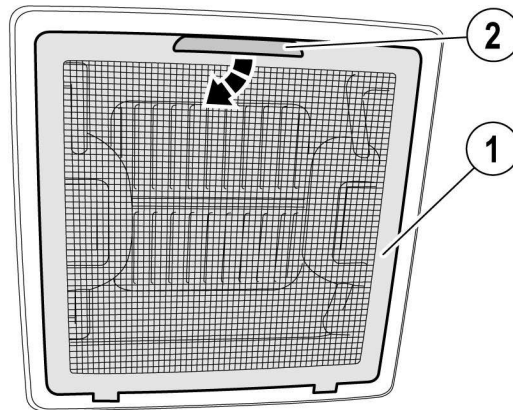
Attention

Risk of damage

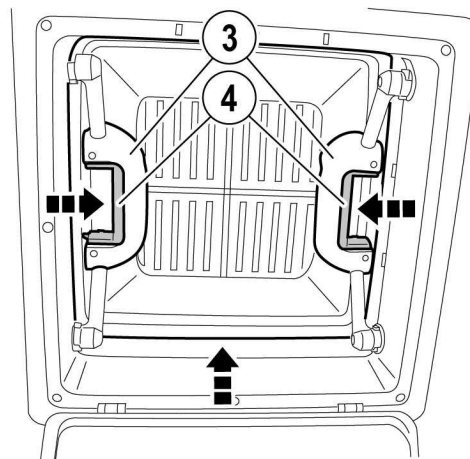
- If there is a risk of frost, respectively if the cabin is parked outdoors during wintertime, please remember to empty water tank and water system.
- Water freezing in the system may result in damage to the system!
IMPORTANT IN CASE OF RISK OF FROST DAMAGE: When emptying the water system, adjust the mixer taps to the centre position between "hot" and "cold" and open them.
- For 280 / 280S and 305S vehicles, the shower hose is to be pulled out and held up in order to enable draining. **NO CLAIM UNDER GUARANTEE IN CASE OF FROST DAMAGE!**

10.10 Bathroom skylight

Opening and closing the bathroom skylight



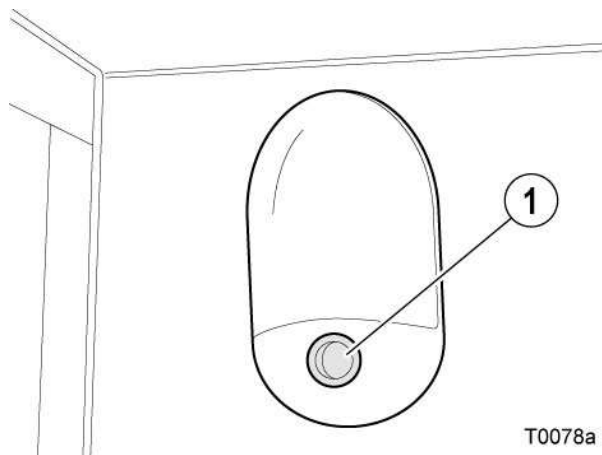
T0077



T0079

Fold down screen 1 by pulling on handle 2. Grab handle bars 3 of the skylight and press handles 4 inward. Now the skylight can be opened upward. In order to close the skylight, firmly pull the skylight on handles 4 downward, until the skylight latches. Fold the screen up, until it latches.

Bathroom light



T0078a

Push switch 1 to the left to switch the light on and to the right to switch it off.

11 Gas supply



Caution

Risk of explosion

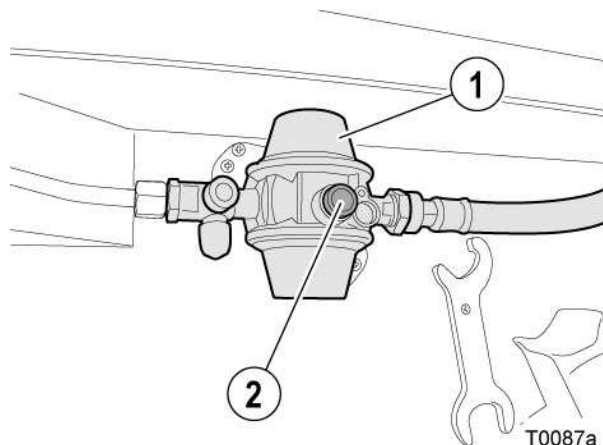
- Modifications to build-in units, the gas system or the electrical system may only be performed by authorized specialist personnel.

A separate compartment is provided in the kitchen block on the right side in order to store two gas cylinders of 5 kg each. The gas cylinder compartment can only be accessed from the outside via a lockable door.

In the cabin a gas system according to regulations is installed, with pressure regulator and safety valve, cylinder racks and shut-off valves for individual consumers.

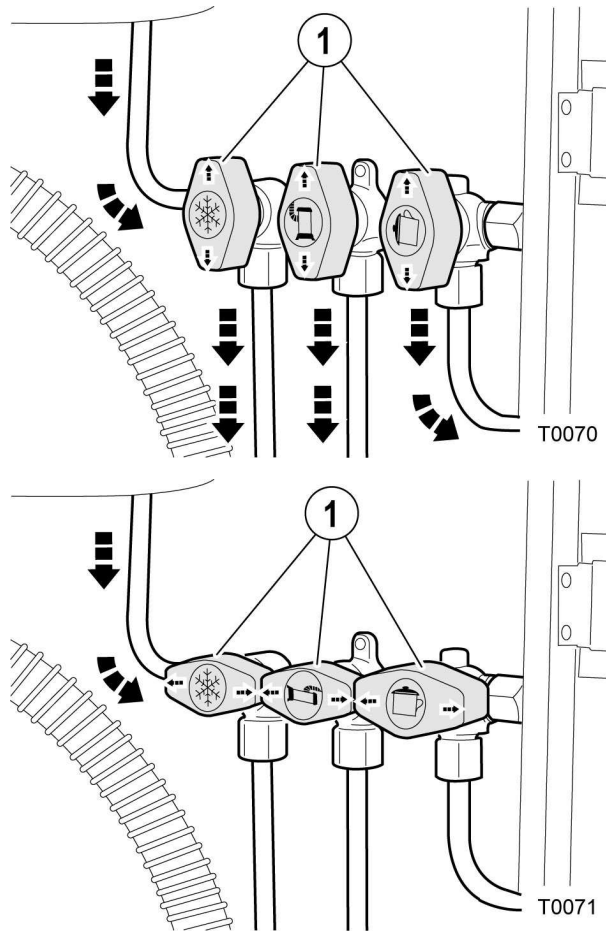
Using the SecuMotion pressure regulator (30 mb), one gas cylinder each can be connected for the operation of the following appliances:

- Cooker
- Heater (standard equipment)
- Heater / hot water (L equipment)
- Refrigerator.



SecuMotion pressure regulator **1**

Quick-action stop valve **2**

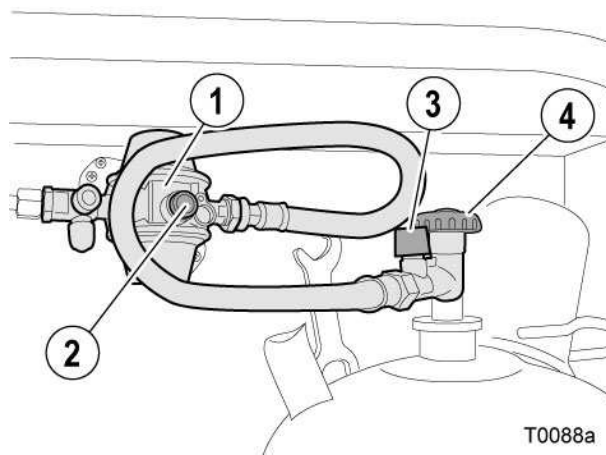


Note

- For an exact description of the operation, refer to the enclosed operating instructions by Truma SecuMotion.

A quick-action stop valve **1** is installed for each of the appliances mentioned above. Depending on the equipment option, quick-action stop valves **1** are either located in the kitchen block on the right side or in the stowage space on the left side inside the cabin.

Quick-action stop valves **1** are open, if the red operating handle of quick-action stop valve **1** points toward the outgoing line to the respective appliance. If the appliances are not used, quick-action stop valves **1** must be closed.



Prior to using gas appliances, open gas cylinder valve **4** first, followed by pressing valve **3**. As the last step, press and hold quick-action stop valve **2** on pressure regulator SecuMotion **1** for at least 3 seconds.

**Note**

- For an exact description of the operation, refer to the enclosed operating instructions by Truma SecuMotion.

11.1 Gas test

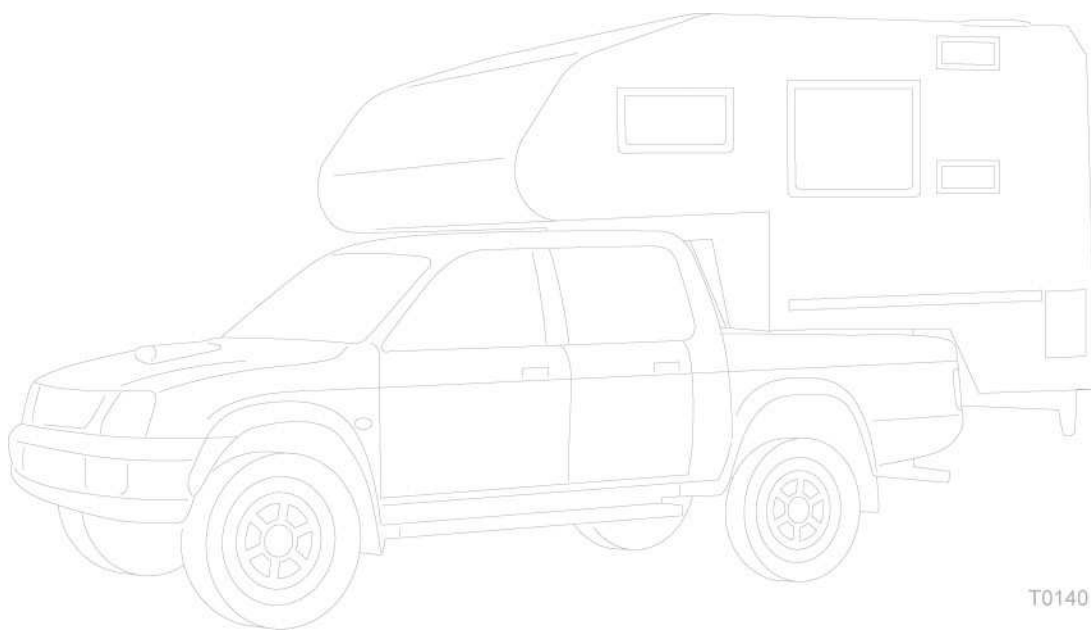
A gas test is to be performed every 2 years by a certified specialist company. Repeat tests are confirmed in the gas test certificate, which is to be submitted for TÜV inspections of the basis vehicle. The test sticker is to be attached to the cabin in the lighting area.

After extended parking times (approx. 10 months), the gas system must be checked by an authorized specialist workshop.

12 Troubleshooting

12.1 Trouble shooting of the electrical supports

Symptom	Possible causes	Remedy
As soon as the remote control is connected, one or several supports automatically extend or retract.	Control unit error.	Disconnect remote control, wait for 15 seconds and connect it again. If the problem continues to exist, contact your Happijac dealer.
LED does not light up, when the remote control is connected.	Plug is not properly inserted. Battery almost or completely discharged. Fuse(s) blown. Main switch switched off / main fuse blown.	Check the plug connection. Check battery and recharge as necessary. Replace fuse(s). Switch main switch on / replace main fuse.
LED illuminates red during operation.	Battery voltage too low in order to move several supports at the same time. Control unit error.	Move supports individually until battery is recharged. Disconnect remote control, wait for 15 seconds and connect it again.
LED illuminates yellow during operation.	System is in sleep mode.	Press buttons 5 and 6 at the same time to reset the system.



T0140

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Leisure vehicles operating instructions

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