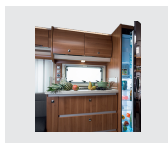
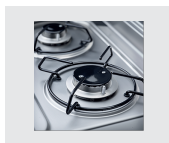


↗ DOMETIC

FENDT CARAVAN

OPERATING MANUAL



FENDT

CARAVAN

Fendt

General information	3	SMP301-02, -03, -11	128
Absorber Refrigerators	5	SMP439-09	136
RMD10.5T, 10.5XT, 10.5P, 10.5XP	9	C8 hinged window	143
RML10.4, 10.4S, 10.4T, 10.4G, 10.4P	34	Cassette roller blind	147
RMS10.5XT, 10.5XP	61	Roof light Mini Heki FL	149
Compressor refrigerators	84	Roof light Midi Heki FL	154
RCL10.4ET, RCS10.5XT	87	Roller blind DB3/easy-adjust blind	160
RCD10.5XET	108	Smoke alarm FA25	163
Power supply units	126		

Copyright

© 2025 Dometic Group. The visual appearance of the contents of this manual is protected by copyright and design law. The underlying technical design and the products contained herein may be protected by design, patent or pending patent. The trademarks mentioned in this manual belong to Dometic Sweden AB. All rights are reserved.

General information

1	Important notes.....	3
2	Explanation of symbols.....	3
3	Disclaimer.....	3
4	Disposal.....	4
5	Warranty.....	4

1 Important notes

Please read these instructions carefully and follow all instructions, guidelines, and warnings included in this product manual in order to ensure that you install, use, and maintain the product properly at all times. These instructions **MUST** stay with this product.

By using the product, you hereby confirm that you have read all instructions, guidelines, and warnings carefully and that you understand and agree to abide by the terms and conditions as set forth herein. You agree to use this product only for the intended purpose and application and in accordance with the instructions, guidelines, and warnings as set forth in this product manual as well as in accordance with all applicable laws and regulations. A failure to read and follow the instructions and warnings set forth herein may result in an injury to yourself and others, damage to your product or damage to other property in the vicinity. This product manual, including the instructions, guidelines, and warnings, and related documentation, may be subject to changes and updates. For up-to-date product information, please visit documents.dometic.com.

2 Explanation of symbols

A signal word will identify safety messages and property damage messages, and also will indicate the degree or level of hazard seriousness.



DANGER!

Indicates a hazardous situation that, if not avoided, will result in death or serious injury.



WARNING!

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION!

Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.



NOTICE!

Indicates a situation that, if not avoided, can result in property damage.



NOTE Supplementary information for operating the product.

3 Disclaimer

This product is only suitable for the intended purpose and application in accordance with these instructions.

This manual provides information that is necessary for proper installation and/or operation of the product. Poor installation and/or improper operation or maintenance will result in unsatisfactory performance and a possible failure.

The manufacturer accepts no liability for any injury or damage to the product resulting from:

- Incorrect installation, assembly or connection, including excess voltage

- Incorrect maintenance or use of spare parts other than original spare parts provided by the manufacturer
- Alterations to the product without express permission from the manufacturer
- Use for purposes other than those described in this manual

Dometic reserves the right to change product appearance and product specifications.

4 Disposal



Place the packaging material in the appropriate recycling waste bins, wherever possible. Consult a local recycling center or specialist dealer for details about how to dispose of the product in accordance with the applicable disposal regulations.

5 Warranty

The statutory warranty period applies. If the product is defective, please contact the manufacturer's branch in your country (see dometic.com/dealer) or your retailer.

For repair and warranty processing, please include the following documents when you send in the device:

- A copy of the receipt with purchasing date
- A reason for the claim or description of the fault

Note that self-repair or nonprofessional repair can have safety consequences and might void the warranty.

Absorber refrigerators

1	Safety instructions.....	5
2	Intended use.....	7

1 Safety instructions

1.1 General safety



DANGER! Electrocuting hazard

Do not touch exposed cables with your bare hands. This applies especially when operating the device from the AC mains.



WARNING! Electrocuting hazard

- > This device may only be repaired by qualified personnel. Inadequate repairs can lead to considerable hazards. Contact an authorized service center in case of repair.
- > If the power cable for this device is damaged, it must be replaced by the manufacturer, customer service or a similarly qualified person in order to prevent safety hazards.
- > If the power cable for this device is damaged, it must be replaced with a suitable power cable or assembly available from the manufacturer or its service agent to prevent safety hazards.
- > Plug the device to sockets that ensure proper connection especially when the device needs to be grounded.
- > On boats: If the device is powered by the mains, ensure that the power supply has a residual current device (RCD), a residual current circuit breaker (RCCB), or a ground fault circuit interrupter (GFCI). Installation, especially in potentially damp areas, must be in accordance with all applicable installation regulations.



WARNING! Explosion hazard

Never open the absorber unit. It is under high pressure and can cause injury if it is opened.



WARNING! Health hazard

- > This device can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the device in a safe way and understand the hazards involved.
- > Children aged from 3 to 8 years are allowed to load and unload the device.
- > Cleaning and user maintenance shall not be made by children without supervision.
- > Children must be supervised to ensure that they do not play with the device.



WARNING! Risk of child entrapment

- > Ensure that the shelves are mounted and secured in such a way that children cannot climb into the device or lock themselves inside. Only remove the shelves for cleaning purposes.
- > Before disposing of your old device:
 - Dismantle the drawers.
 - Leave the shelves in the device so that children cannot climb inside.
 - Take off the doors.



CAUTION! Risk of injury

Do not put your fingers into the hinge.



NOTICE! Damage hazard

- > The device shall not be exposed to rain.
- > Do not lean on the open device door.
- > Protect the device and the cable(s) against heat and moisture.
- > Never pull the plug out of the socket by the cable.

1.2 Safety when operating the device



WARNING! Electrocution hazard

- > Do not use the device if the device itself or its connection cables are visibly damaged.
- > Before starting the device, ensure that the power supply cable and plug are dry, and that the plug is free of rust and dirt.



WARNING! Explosion hazard

- > Do not spray aerosols in the vicinity of this refrigerator while it is in operation.
- > Do not store any explosive substances, such as aerosol cans with propellants, in the device.



CAUTION! Health hazard

- > Keep ventilation openings, on the device and in its enclosure or in the built-in structure, clear of obstruction.
- > Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- > Do not open or damage the refrigerant circuit under any circumstances.
- > Do not use electrical devices inside the device unless they are recommended by the manufacturer for that purpose.
- > If the device is left empty for long periods:
 - Switch off the device.
 - Defrost the device.
 - Clean and dry the device.
 - Leave the door(s) open to prevent mold developing within the device. If available, put the door(s) into the storage position.



CAUTION! Risk of injury

- > Do not use or store flammable materials in or near this device.
- > Do not place any objects on or against this device.
- > Do not modify or adapt any of the components in any way.
- > Close and latch the device door before beginning a journey.
- > The cooling system at the back of the device becomes very hot during operation. If the device is equipped with ventilation grilles, protect yourself from contact with hot parts when removing the ventilation grilles.



NOTICE! Damage hazard

- > Only select operation with DC power supply if the vehicle engine is running and providing sufficient voltage, or if you are using a battery monitor.
- > If present, keep the condensate drain clean at all times.

- > If the device has ventilation grilles, do not use a high-pressure cleaner near the ventilation grille when cleaning the vehicle.
- > **Danger of overheating!** Always ensure sufficient ventilation so that the heat generated during operation can dissipate. Ensure that the device is sufficiently far away from walls and other objects so that the air can circulate.
- > Do not fill the interior with ice or fluid.



NOTE If the battery management system of your vehicle shuts down the device to protect the battery, contact your vehicle manufacturer.

1.3 Safety when operating with gas



WARNING! Explosion hazard

- > **Only** operate the device at the pressure shown on the data plate. Only use pressure controllers with a fixed setting which comply with the national regulations.
- > **Only** operate the device on gas while driving if the vehicle manufacturer permits operation of the gas system while driving (see vehicle manual).
- > Check the national requirements for operating the device with gas during driving.
- > **Never** operate the device with gas:
 - At petrol stations
 - In parking garages
 - On ferries
 - While transporting the caravan or motor home with a transport vehicle or tow truck
- > **Never** use a naked flame to check the device for leaks.
- > In case of gas odor:
 - Close the gas supply valve and the cylinder valve.
 - Open all windows and leave the room.
 - Do not operate any electrical switches.
 - Extinguish all open flames.
 - Have the gas system checked by a specialist.
- > **Never** store liquid gas cylinders in unventilated areas or below ground level (funnel shaped holes in the ground).
- > Keep liquid gas cylinders away from direct sunlight.



NOTICE! Damage hazard

Only use universal LPG gas, **not** natural gas (see data plate).



NOTE At altitudes above 1000 m, ignition problems may occur. Switch to a different energy source.

2 Intended use

The refrigerator is intended for:

- Installation in motor homes and caravans
- Cooling, deep-freezing and storing food

The refrigerator is **not** suitable for:

- Storing medications
- Storing corrosive substances or substances that contain solvents
- Quick-freezing food

This refrigerator is **not** intended for commercial, retail or household applications.

The frozen compartment is suitable for storing pre-frozen food, storing or making ice cream and making ice cubes. It is **not** suitable for freezing previously unfrozen food.

The refrigerator is intended for installation in a piece of cabinetry or an installation niche.

Optimum cooling performance is provided at ambient temperatures between 16 ... 43°C and at a maximum humidity of 90 % .

Absorber refrigerator RMD10.5T, 10.5XT, 10.5P, 10.5XP

1	Accessories.....	9
2	Technical description.....	9
3	Operation.....	11
4	Cleaning.....	24
5	Maintenance.....	26
6	Troubleshooting.....	27
7	Technical data.....	32

1 Accessories

Available as an accessories (not included in the scope of delivery):

Description

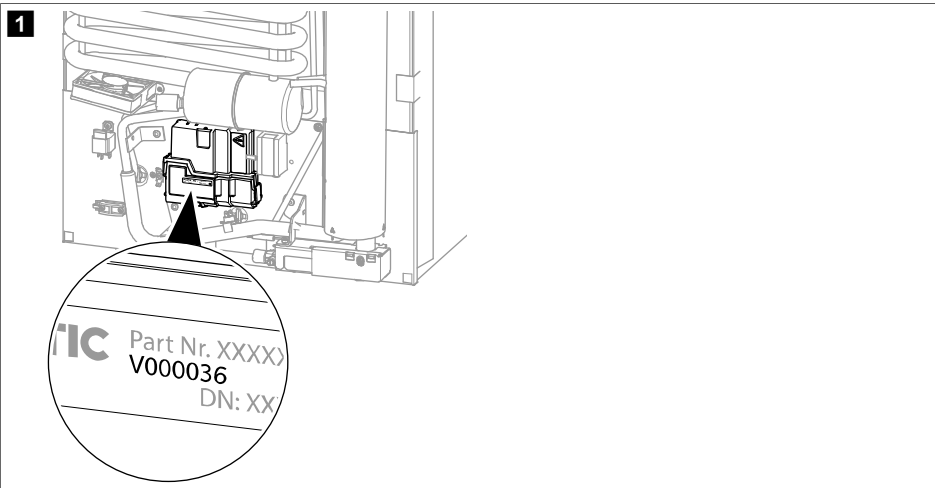
Winter cover LS300 for the ventilation grille

Optional Fan Kit REF-FANKIT

Note: The Fan Kit can only be installed in refrigerators with software version 36 or higher ( Fig. 1 on page 9)

Optional Battery Pack R10-BP for stand-alone gas operation

Optional ø 2.5 / 5.5 mm connector for stand-alone gas operation with a 9 V  power bank (power bank not included)



2 Technical description

The refrigerator is an absorber refrigerator and is designed for operation:

- On a 12 V DC power supply.
- On an AC power supply.

- With liquefied gas (propane or butane).

The refrigerator has an automatic operating mode that selects the most economical connected type of energy. The refrigerator unit operates silently.

2.1 Control and display elements

RMD10.5T, RMD10.5XT

The **TFT display** features the following operating and display elements:

Symbol	Description
	Cooling capacity indicator
	Operating with AC power
	Operating with DC power
	Operating with gas
AUTO	Automatic mode: In automatic mode the refrigerator automatically selects the most economical operating mode according to the following priority: • AC power • DC power • Gas
	Battery: Symbol lights up when the battery packs (optional) are inserted and the device is in stand-alone gas mode.
	Fan (optional): Symbol lights up when the fan function is activated.
	Frame heater: Symbol lights up when the frame heater is operating. The frame heater of the frozen compartment reduces condensation.
CI	Symbol lights up when the refrigerator is connected to the CI bus.
	Dim TFT display: After 30 s, the brightness of the display is reduced to the set level.
	Beep off: • Error messages and warnings are not signaled acoustically. • Door left open for a longer period is signaled acoustically.
	Beep on: Error messages, warning messages and door left open for an extended period are signaled acoustically.

Symbol	Description
	Confirm selection and return to the main menu.

RMD10.5P, RMD10.5XP

The **LED display** features the following operating and display elements:

Symbol	Description
	ON/OFF button
	Operating with AC power
	Operating with DC power
	Operating with gas
	Fault indication
AUTO	Automatic mode
	Temperature indication
	Energy selection button
	Temperature selection button

3 Operation

3.1 Before first use



NOTE

- Do not store goods in the refrigerator for the first 4 h after start-up.
- When using the refrigerator for the first time, there may be a mild odor which will disappear after a few hours. Air out the living space well.
- The cooling capacity can be affected by:
 - The ambient temperature (e.g. when the vehicle is exposed to direct sunlight)
 - The amount of food to be refrigerated
 - How often the door is opened

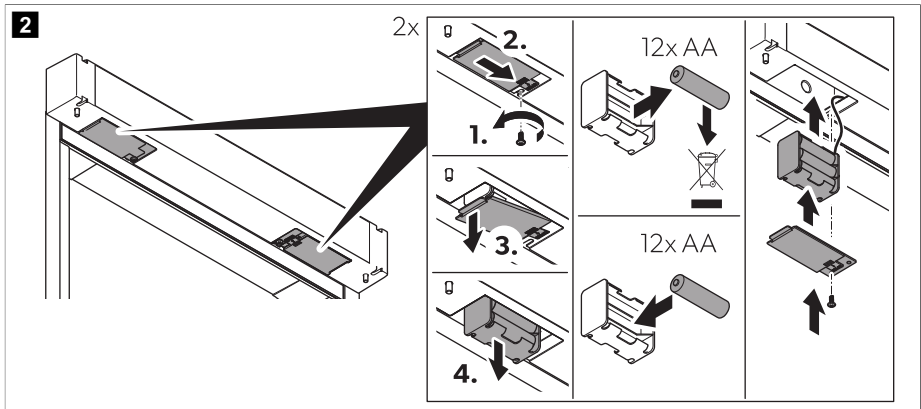
- > Clean the inside of the refrigerator for hygienic reasons (see chapter [Cleaning](#) on page 24).
- > Park the vehicle so that it is level, especially when starting up and filling the refrigerator before setting off on a journey.

3.2 Inserting or replacing batteries

If the vehicle's own 12 V DC battery power supply is unavailable or if the power supply is cut off while the device is in operation, the electronic control unit automatically switches over to the internal battery power (if batteries are inserted).

The compartments for the battery packs (**not included in the scope of delivery**) are located on the right and left under the operating element. A total of 12 AA batteries are needed.

- > Insert the batteries as shown.



3.3 Information on storing food



CAUTION! Health hazard

- > If the refrigerator is exposed to an ambient temperature below 10°C for an extended period of time, regulation of the frozen compartment temperature can no longer be guaranteed. That may cause the temperature of the frozen compartment to increase and the stored goods to be defrosted.
- > Ensure that foodstuffs do not touch the walls of the cooling area.
- > Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with and cannot drip onto other food.



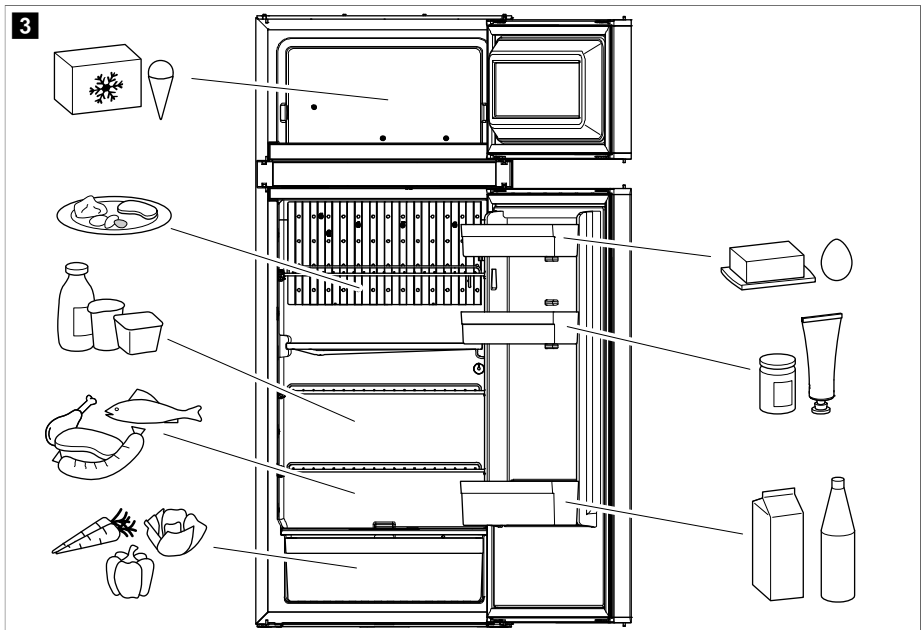
NOTICE! Damage hazard

- > Store heavy objects such as bottles or cans only in the refrigerator door, in the vegetable compartment or on the bottom shelf. Observe the maximum load per door shelf and door when filling the refrigerator (see chapter Technical data on page 32).
- > Do not keep carbonated drinks in the frozen compartment.

To avoid food waste, note the following:

- Keep temperature fluctuation as low as possible. Only open the refrigerator as often and for as long as necessary to avoid a significant increase of the temperature in the compartments of the refrigerator. Store the foodstuff in such a way that the air can still circulate well.
- Check if the cooling capacity of the refrigerator is suitable for the food you want to cool.
- Ensure to put only items in the refrigerator which may be chilled at the selected temperature.
- If the temperature can be adjusted: Adjust the temperature to the quantity and type of the foodstuff.
- Store the different foodstuff types as shown in the figures.
- Foodstuff can easily absorb or release odor or taste. Always store foodstuff covered or in closed containers/bottles.

> Store food as shown ( Fig. 3 on page 13).



3.3.1 Using the fresh storage compartment

(RMD10.5T, RMD10.5XT)



NOTICE! Damage hazard

Observe the maximum load capacity of the fresh storage compartment (see chapter Technical data on page 59).

> Use the slider to regulate the humidity in the fresh storage compartment:

Goods to be cooled		Optimal humidity		Slider position
Vegetables		Fast		Close the slider.
Fruit		Low		Open the slider.

3.4 Operating in low outdoor temperatures



NOTICE! Damage hazard

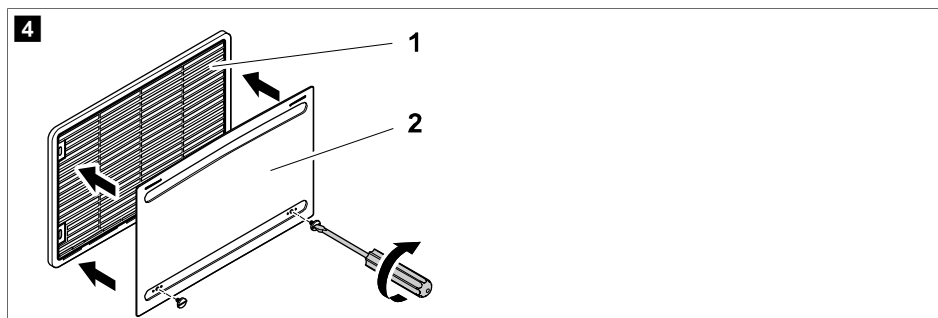
In AC operation and DC operation, install **both** winter covers. In gas mode or automatic mode, install only the **lower** winter cover. This prevents heat from building up and ensures the fumes from the refrigerator can dissipate properly.



NOTE Cold air can affect the performance of the cooling unit. Install the winter covers if a loss of cooling capacity is noticed at low ambient temperatures.

- > Install the winter covers (accessory) as shown.

3.4.1 Ventilation grille LS300



3.5 Operation at high ambient temperatures

At high ambient temperatures in combination with high levels of humidity, condensation may form on the frozen compartment frame. The frozen compartment is equipped with a frame heater to reduce condensation on the frame of the frozen compartment.

The frame heater is switched on continuously in the following operating modes:

- AC operation
- DC operation (when the engine of the vehicle is running)

In gas operation, the frame heater can be switched on manually.

3.6 Switching on the refrigerator

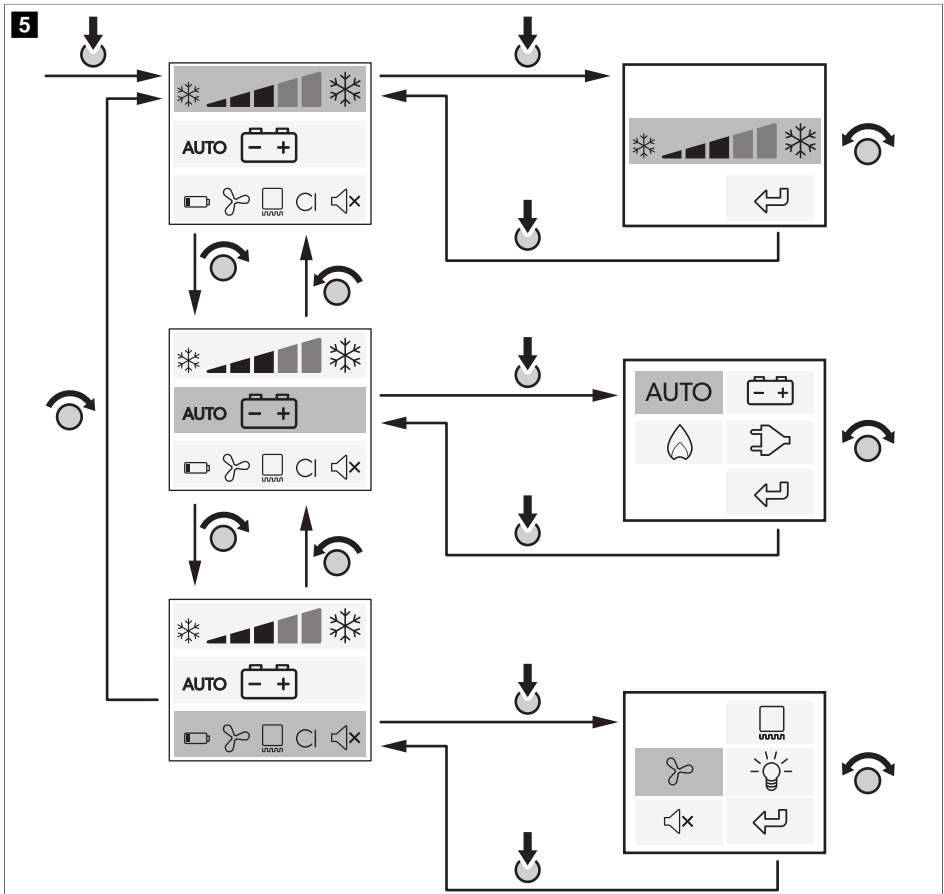
- > **RMD10.5T, RMD10.5XT:** Press the control knob for 2 s .
- > **RMD10.5P, RMD10.5XP:** Press the  button for 2 s .
- ✓ The refrigerator starts with the last selected settings.

3.7 Switching off the refrigerator

- > **RMD10.5T, RMD10.5XT:** Press the control knob for 4 s .
- > **RMD10.5P, RMD10.5XP:** Press the  button for 4 s .
- ✓ A beep sounds and the refrigerator switches off.

3.8 Making settings

RMD10.5T, RMD10.5XT



1. Press the control knob to activate the TFT display.
2. Turn the control knob to select the desired detail menu.
3. Press the control knob to open the selected detail menu.
4. Turn the control knob to navigate through the detail menu.
- ✓ Selected settings are displayed in blue.
5. Press the control knob to choose the selected setting.
6. Confirm the selection with .

RMD10.5P, RMD10.5XP

- Press  repeatedly, until the LED indicates the desired operating mode.

- > Press  repeatedly, until the desired temperature level is set.

3.9 Tank stop mode



WARNING!

Turn off the refrigerator or select a different operating mode if refueling takes longer than 15 min.

If the vehicle's ignition is switched off, the refrigerator will switch to tank stop mode for safety reasons. This blocks gas operation for 15 min. After that, the refrigerator automatically switches back to automatic mode.

In tank stop mode

- RMD10.5T, RMD10.5XT: The  symbol is displayed.
- RMD10.5P, RMD10.5XP: The  LED flashes.

3.10 Stand-alone gas operation (optional)



WARNING!

In stand-alone gas mode, the refrigerator must be switched off manually during refueling.



NOTE

- When no AC or DC power is connected, there is a load on the batteries even when the refrigerator is off.
- Remove the batteries when the refrigerator is not in use (risk of leakage).
- If your vehicle manufacturer has installed the $\varnothing 2.5 / 5.5$ mm plug, ask the manufacturer for the connection point for the 9 V  power bank.

For stand-alone gas mode, the optional battery packs (accessories) must be installed. This makes connecting to AC or DC power unnecessary.

When using 12 batteries (type AA), the refrigerator can be operated in stand-alone gas mode for 2 to 3 days.

Note the following special features for stand-alone gas mode:

- The interior lighting of the refrigerator remains switched off.
- The display turns off 2 s after the last activity.
- The display switches on briefly every 15 s. This indicates that the refrigerator is on.
- If there are error messages, the display stays switched on.

Stand-alone gas mode is indicated by

- RMD10.5T, RMD10.5XT: The symbols  and .
- RMD10.5P, RMD10.5XP: The  LED flashing every 15 s.

The batteries of the battery packs must be replaced when

- RMD10.5T, RMD10.5XT: The error **E 14** is displayed.
- RMD10.5P, RMD10.5XP: The error   is displayed.

3.11 Fan operation (optional)

For fan operation the optional fan kit (accessories) must be installed.

When the device is switched on, the fan is switched on briefly (function test). During device operation, the fan only switches on:

- When the ambient temperature is above 32°C.
- When the set cooling temperature is not reached within 2 hours.
- **RMD10.5T, RMD10.5XT**: When the fan function is activated.



NOTE

- **RMD10.5T, RMD10.5XT**: In delivery state, the fan function is activated.
- **RMD10.5P, RMD10.5XP**: The fan function is always activated and can **not** be deactivated.

RMD10.5T, RMD10.5XT: The fan operation is indicated by the symbol .

3.12 Setting the cooling capacity



NOTE For ambient temperatures of 15 ... 25°C, select the average cooling capacity.

- > **RMD10.5T, RMD10.5XT**: Select the desired temperature level in the cooling capacity menu.
- > **RMD10.5P, RMD10.5XP**: Press  repeatedly until the desired temperature level is selected.

3.13 Using the refrigerator door(s)



CAUTION! Risk of injury

The device door(s) can completely detach from the device if used incorrectly. Push the door(s) closed until you hear a clear click at the door latches.



NOTICE! Damage hazard

- > Do not open the door further than an angle of 90°.
- > Do not lean on the open device door.

3.13.1 Closing and locking the refrigerator door(s)

(All models)



NOTE If the door is not locked correctly on the opposite side, push on that side at the top and bottom until it locks in place.

- > Press the door shut until you hear it clearly click at the top and bottom.
- ✓ The door is now closed and secured.

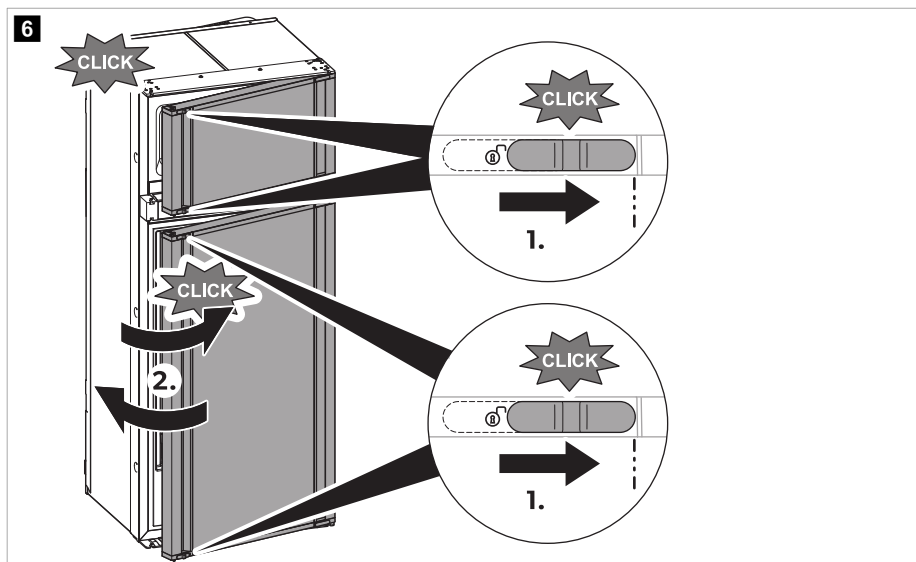
3.13.2 Releasing the refrigerator door(s)

(All models)

- > Release the refrigerator door as shown.



NOTE The refrigerator door is easy to open and close but will not be secured when closed.

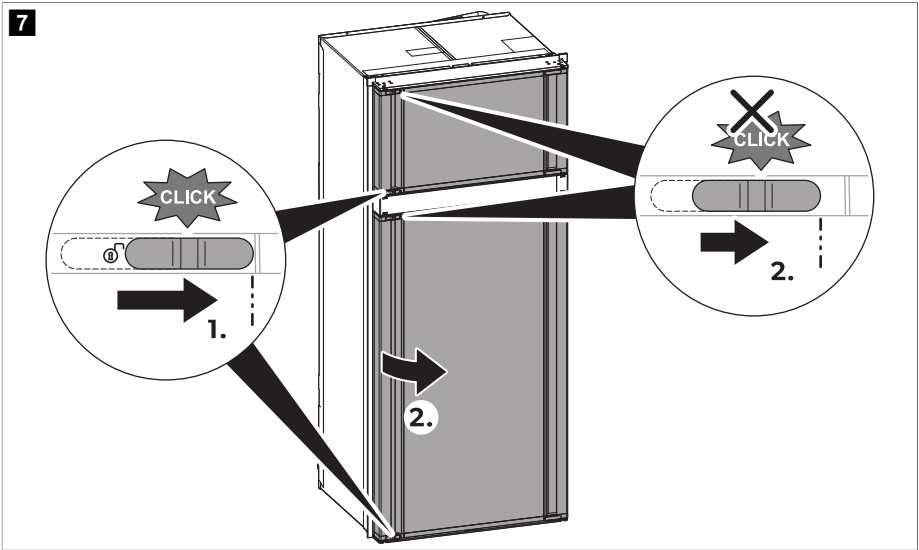


3.13.3 Securing the refrigerator door(s)

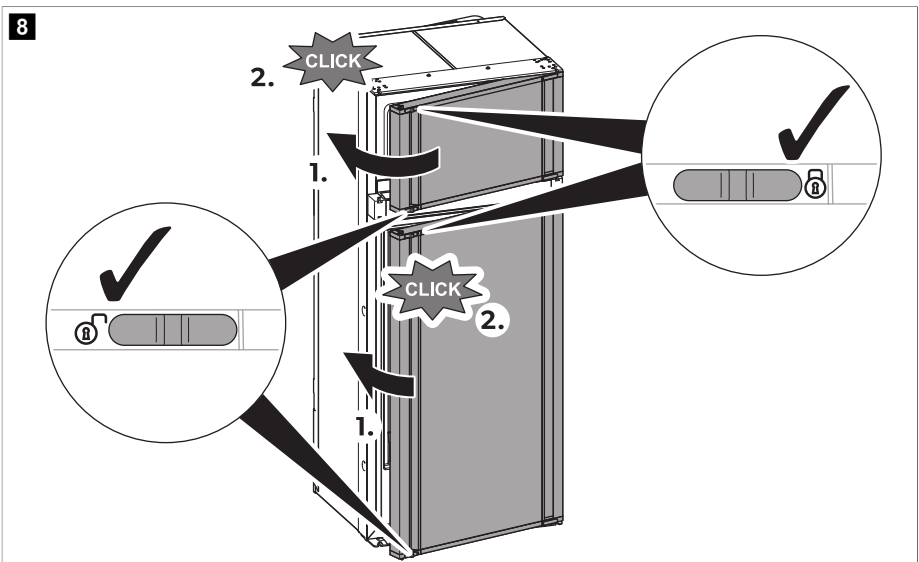
(All models)

Securing the refrigerator door at the top automatically

- > Release and open the refrigerator door as shown.

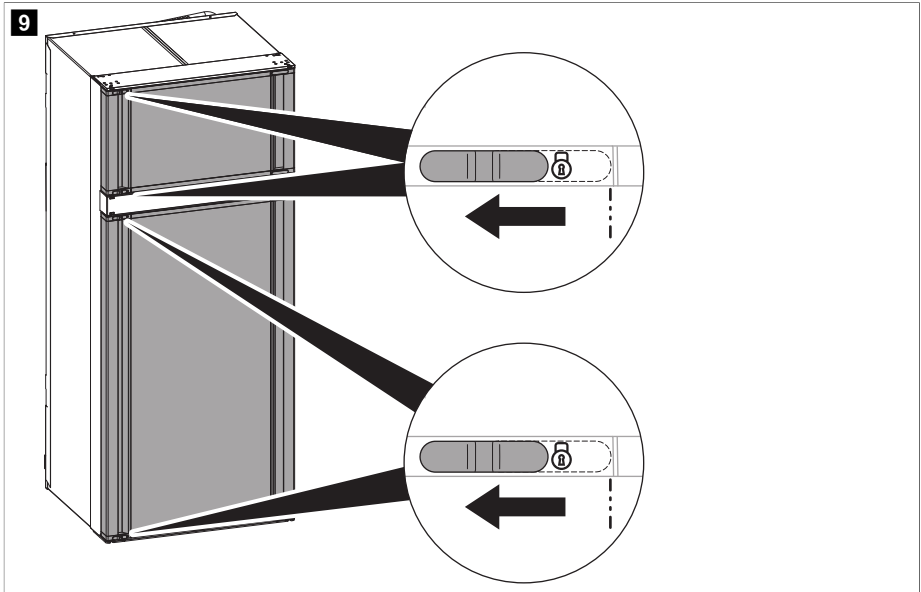


- ✓ The refrigerator door is automatically secured at the top after closing.



Securing the refrigerator door before driving off

- > Secure the refrigerator door as shown.



3.13.4 Positioning the refrigerator door into storage position

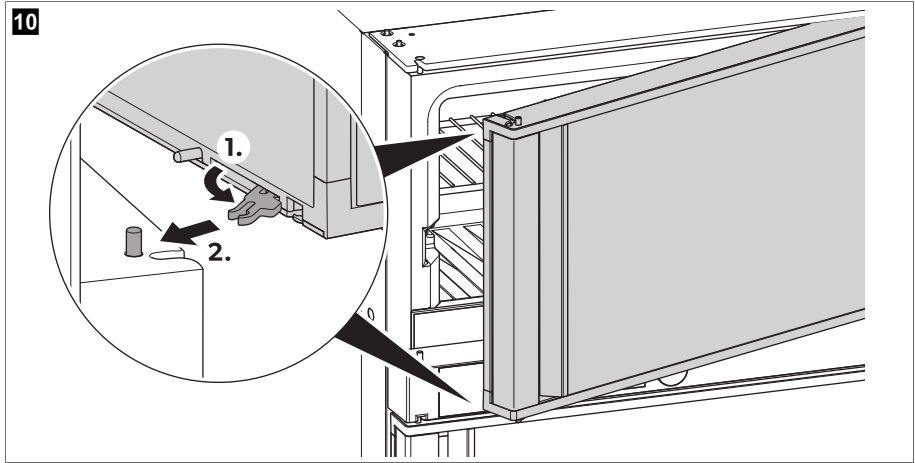


CAUTION! Risk of injury

The storage position may **not** be used while driving.

Put the refrigerator door(s) into the storage position if you are not going to use the refrigerator for an extended period of time. This prevents mold from forming.

1. Defrost the refrigerator (see chapter Defrosting the refrigerator on page 26).
2. Turn the hook near the securing mechanism all the way at the top and bottom of one side of the door.



3. Press against the refrigerator door.
- ✓ The protruding pin snaps into the hook.

Opening the door when in storage mode

1. Pull the door toward you.
2. Push in the protruding hooks at the top and bottom of the door.

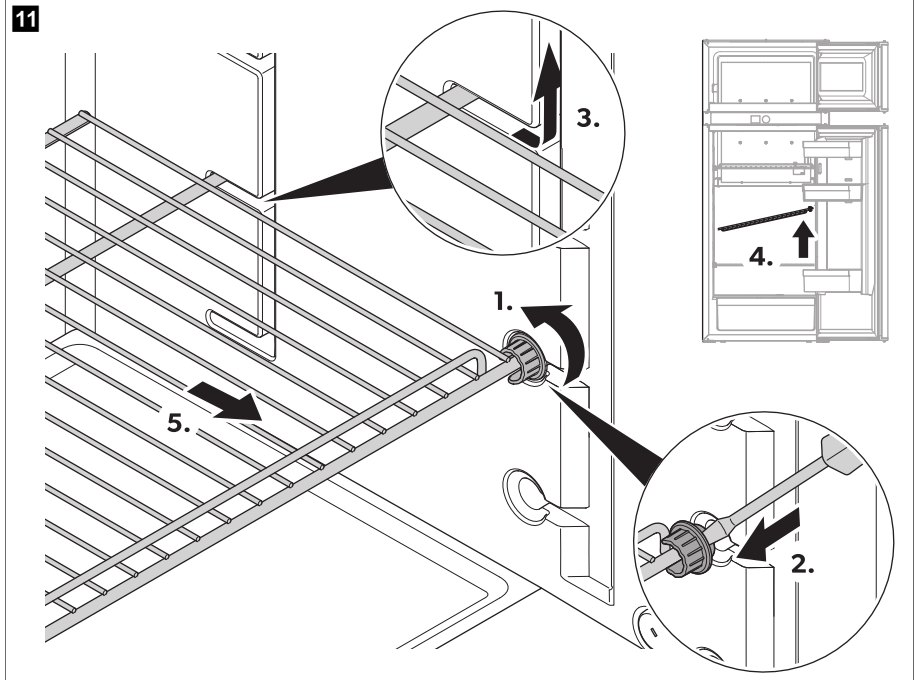
3.14 Positioning the shelves



WARNING! Risk of child entrapment

Ensure that the shelves are mounted and secured in such a way that children cannot climb into the device or lock themselves inside. Only remove the shelves for cleaning purposes.

1. Remove the shelf as shown.



2. Re-install the shelf in the reverse order.

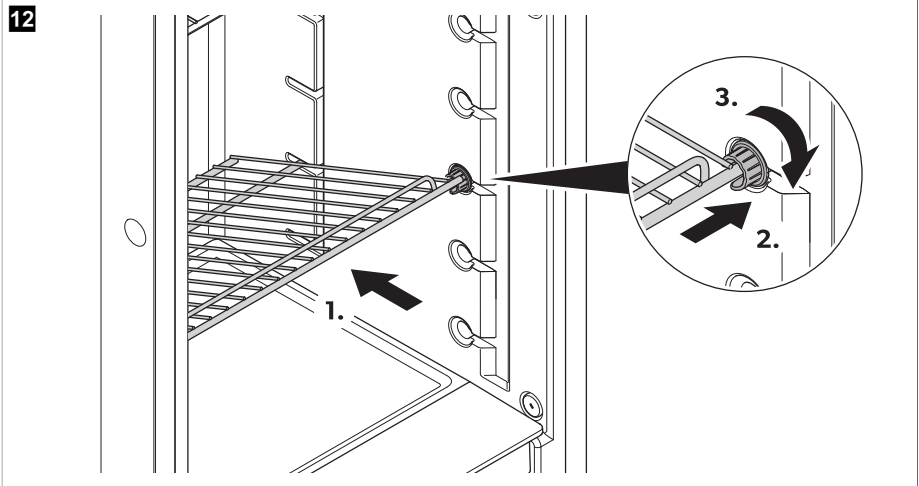
Positioning the shelf at an angle for bottles



NOTICE! Damage hazard

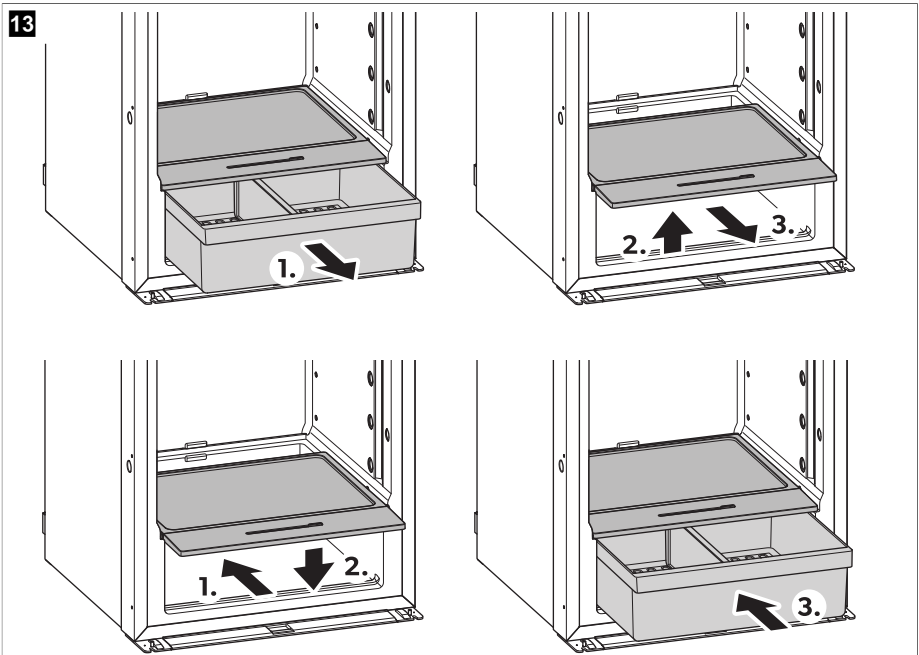
While driving, the shelf in the angled position must **not** be filled.

- > Change the position of the shelf as shown.



3.15 Removing and inserting the fresh storage compartment

- > Remove and insert the fresh storage compartment as shown.



4 Cleaning



WARNING! Electrocution hazard

Always disconnect the device from the power supply before cleaning and servicing it.



CAUTION! Health hazard

Clean regularly surfaces that can come in contact with food and accessible drainage systems.



NOTICE! Damage hazard

- > Do not use abrasive cleaning agents or hard objects during cleaning.
- > Never use hard or sharp tools to remove ice or to free frozen objects.
- > Ensure that no water drips into the seals. This can damage the electronics.
- > Attach the winter covers of the ventilation grille (accessories) when the vehicle is cleaned from the outside or not used for a prolonged period of time.



NOTE Remove the shelves and the fresh storage compartment if necessary to thoroughly clean the interior of the refrigerator (see chapters [Positioning the shelves on page 47](#) and [Removing and inserting the fresh storage compartment on page 100](#)).

- > Clean the interior and exterior of the refrigerator regularly and as soon as it becomes dirty with a damp cloth. Wipe the refrigerator dry with a cloth after cleaning.
- > Check the condensate drain regularly.
Clean the condensate drain when necessary. If it is blocked, the condensate collects on the bottom of the refrigerator.
- > Clean dust and dirt from the condenser regularly with a damp cloth.
- > Check that the ventilation grilles in the outer wall of the recreational vehicle and the roof vent of the refrigerator are always free of dust and dirt. This ensures that the heat generated during operation can be dissipated. If the heat cannot be dissipated via the ventilation grilles, the cooling capacity of the refrigerator will be reduced and the refrigerator may be damaged.
- > Clean the gas burner regularly (see chapter [Cleaning the gas burner on page 74](#)). Dirt in the gas burner is indicated by poor ignition or deflagrations.

The manufacturer recommends cleaning the burner after not being used for a longer period of time and at least once a year. When using liquefied petroleum gas, the cleaning interval is reduced to half yearly or quarterly, depending on the level of dirt.

4.1 Cleaning the gas burner



WARNING! Burn hazard

- > Allow the burner to cool down before cleaning it.
- > Do not modify the gas equipment.

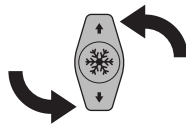
> Clean the gas burner as shown.

14

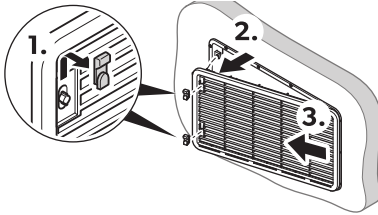
A



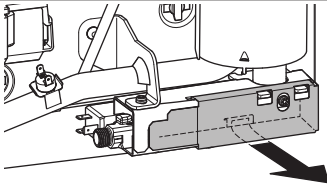
B



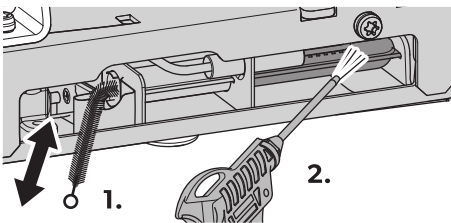
C



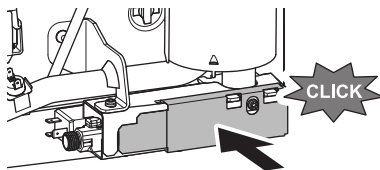
D



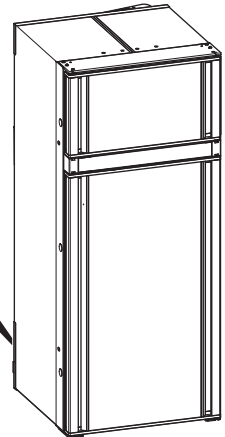
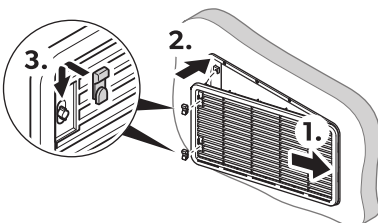
E



F



G



5 Maintenance



WARNING! Electrocution hazard

Always disconnect the device from the power supply before cleaning and servicing it.



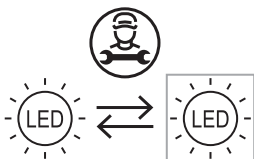
NOTICE! Damage hazard

Attach the winter covers of the ventilation grille (accessories) when the vehicle is cleaned from the outside or not used for a prolonged period of time.



NOTICE! Damage hazard

The light source can only be replaced by the manufacturer, a service agent or a similarly qualified person to avoid hazard.



Work on gas and electrical installations may only be performed by qualified technicians.

- > Have the gas system and connected flues inspected before starting up the device for the first time, and by an authorized professional every two years to ensure they comply with the national safety requirements.
- > Keep a record of any maintenance performed.

5.1 Refrigerant circuit

The refrigerant circuit is maintenance-free.

5.2 Defrosting the refrigerator



CAUTION! Health hazard

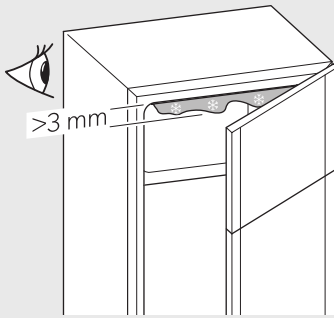
Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.



NOTE Over time, frost will develop on the cooling fins inside the refrigerator. Once the layer of frost is about 3 mm thick, defrost the refrigerator.

> Defrost the refrigerator as shown.

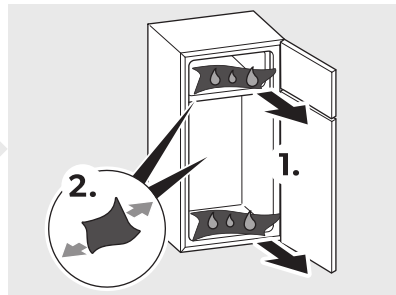
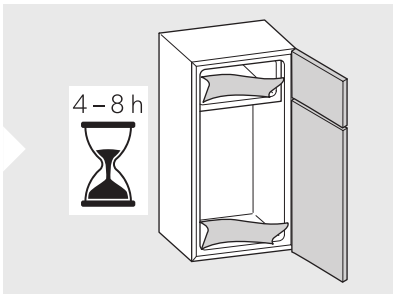
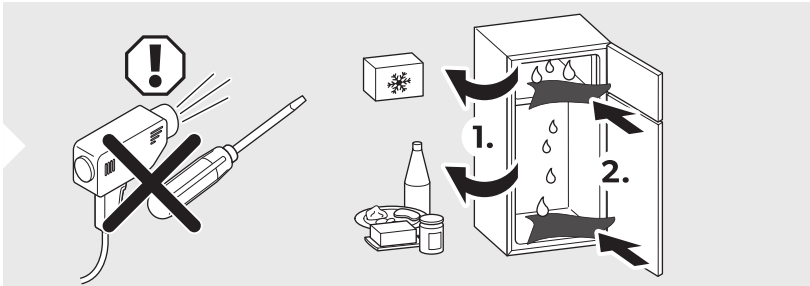
15



RMD 10.5P, RMD 10.5XP



RMD 10.5T/RMD 10.5XT



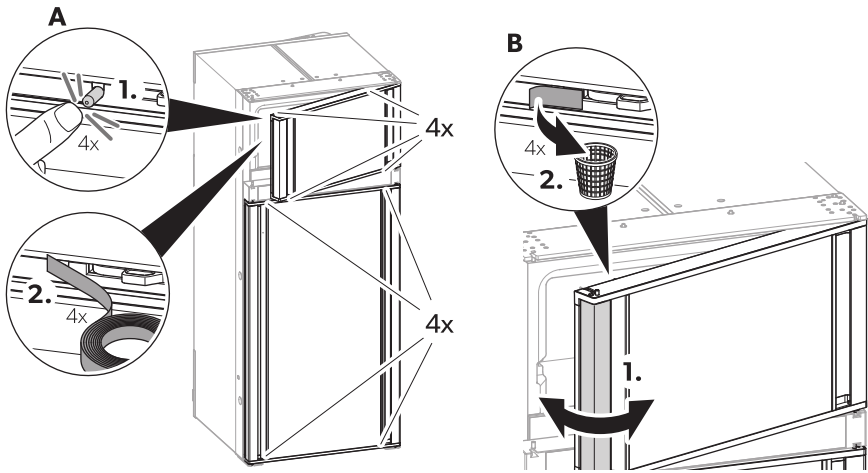
6 Troubleshooting

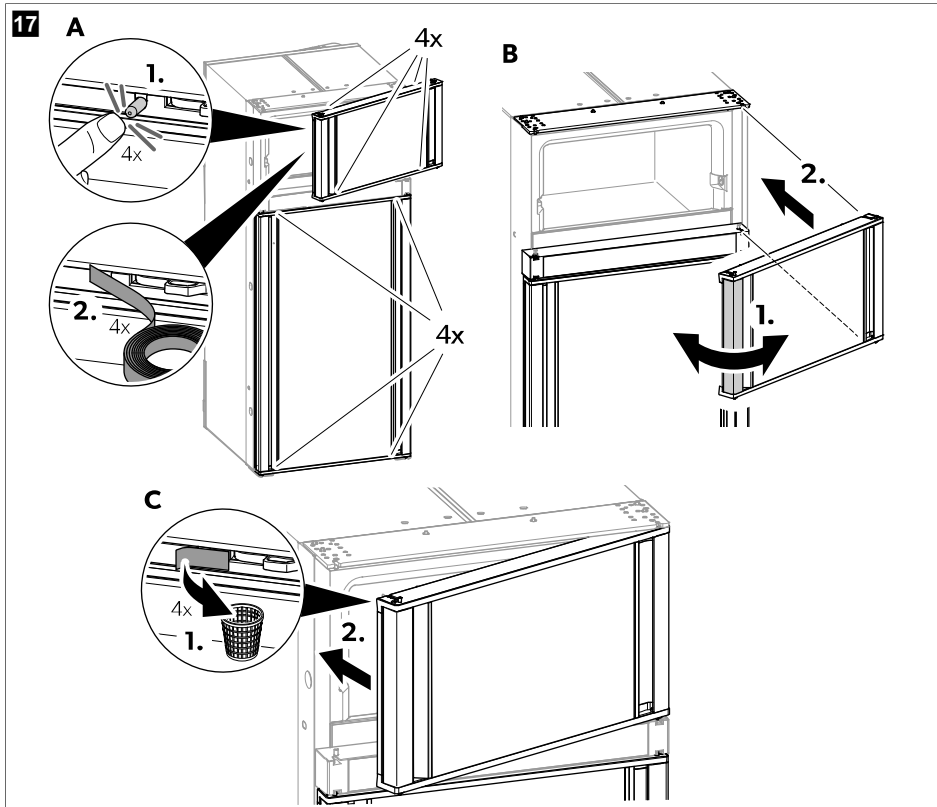


NOTE To safely operate 12 V consumer units in the caravan while driving, it must be ensured that the towing vehicle provides sufficient voltage. On some vehicles, the battery management system may automatically switch off the consumer units to protect the battery. Ask your vehicle manufacturer for more information.

Problem	Possible cause	Suggested remedy
With AC operation: The refrigerator does not work.	The fuse in the AC power supply is defective.	> Replace the fuse.
	The vehicle is not connected to the AC power supply.	> Connect the vehicle to the AC power supply.
	The AC heating element is defective.	> Contact an authorized service agent.
With DC operation: The refrigerator does not work.	The fuse in the DC cable is defective.	> Contact an authorized service agent. The fuse on the relay must be replaced.
	The vehicle fuse has blown.	> Replace the vehicle fuse. (Refer to the operating manual of your vehicle.)
	The vehicle battery is discharged.	> Test the battery and charge it.
	The ignition is not switched on.	> Switch on the ignition.
	The DC heating element is defective.	> Contact an authorized service agent.
With gas operation: The refrigerator does not work.	The gas cylinder is empty.	> Replace the gas cylinder.
	The gas valve is closed.	> Turn the valve to open.
	Air is in the gas line.	> Switch the refrigerator off and on again. Repeat the procedure three or four times if necessary. > If available, switch on the stove and repeat the process with the refrigerator if necessary.
In automatic mode: The refrigerator is being operated with gas although it is connected to the AC power supply.	The mains voltage is too low.	> (No action required) The refrigerator automatically switches back to AC power supply as soon as the mains voltage is sufficient again.
The refrigerator is not adequately cooling.	The ventilation around the cooling unit is not sufficient.	> Check that the ventilation grille is not obstructed.
	The evaporator is iced up.	> Check whether the refrigerator door closes properly. > Ensure that the refrigerator seal fits correctly and is not damaged. > Defrost the refrigerator (see chapter Defrosting the refrigerator on page 53).
	The temperature is set too high.	> Set a lower temperature.
	The ambient temperature is too high.	> Remove the ventilation grille for a while so that warm air can escape quicker.
	Too much food was placed in the refrigerator at once.	> Remove some of the food.

Problem	Possible cause	Suggested remedy
	Too much warm food was placed in the refrigerator at once.	> Remove the warm food and leave it to cool down before putting it in again.
	The refrigerator has not been operating for very long.	> Check the temperature again after four or five hours.
Refrigerator door/frozen compartment door does not close.	The door handle is blocked on the opened side.	> Remove the door handle blockage ( Fig. 16 on page 29).
Refrigerator door/frozen compartment door has completely detached from the device.	The locking pins have been tampered with or are twisted.	> Reinsert the door ( Fig. 17 on page 30).

16



6.1 Fault messages and signal tones

All faults are indicated by a warning symbol, a fault ID and a beep. The beeping lasts for 2 min and is repeated every 30 min until the error has been rectified.

If multiple faults occur, the display shows the last fault. The underlying faults are displayed after the last fault has been confirmed.

RMD10.5T, RMD10.5XT: Faults are indicated by a fault code with a warning symbol () in the middle of the TFT display.

RMD10.5P, RMD10.5XP: In the event of a fault, the LED warning symbol () in the display lights up continuously and the LEDs flash according to the fault.

WARNING type fault messages

All faults of the WARNING type are reset automatically once the fault has been rectified.

Error message		Fault	Solution
RMD10.5T, RMD10.5XT	RMD10.5P, RMD10.5XP		
W01		Defective temperature sensor in the refrigerator compartment	Contact an authorized service agent.
W05		AC power not connected or AC voltage ≤ 190 V	Connect the refrigerator to AC power or select a different energy type, e.g. gas or DC power.
W06		DC power not connected	Connect the refrigerator to DC power or select a different energy type, e.g. gas or AC power.
W11	 	DC overvoltage (≥ 16 V)	Contact an authorized service agent.
		Tank stop mode: Gas operation is blocked for 15 min	Wait 15 min or switch to another operating mode.
	Beep	The door is opened for more than 2 min.	Close the door.
W10			
+ beep			

ERROR type fault messages

All faults of the ERROR type must be reset manually:

- > RMD10.5T, RMD10.5XT: Press the control knob for 2 s.
- > RMD10.5P, RMD10.5XP: Press the  for 2 s.
- ✓ A beep sounds. The error has been reset.

Error message		Fault	Solution
RMD10.5T, RMD10.5XT	RMD10.5P, RMD10.5XP		
E03		No connection between power module and display	Contact an authorized service agent.
E07	 	No cooling capacity in gas mode	- Check if the device is at an angle and adjust it if necessary. - Reset the error. - Contact an authorized service agent if this error occurs again.
E08	 	No cooling power in AC mode	- Check if the device is at an angle and adjust it if necessary. - Reset the error. - Contact an authorized service agent if this error occurs again.
E09	 	No cooling power in DC mode	- Check if the device is at an angle and adjust it if necessary. - Reset the error. - Contact an authorized service agent if this error occurs again.

Error message		Fault	Solution
RMD10.5T, RMD10.5XT	RMD10.5P, RMD10.5XP		
E12		Gas valve test error	Gas operation is not possible. - Reset the error. - Contact an authorized service agent if this error occurs again.
E13		Internal communication error	Gas operation is not possible. - Reset the error. - Contact an authorized service agent if this error occurs again.
E14		In stand-alone gas mode: The state of charge of the battery packs is too low	Insert new batteries (see chapter Inserting or replacing batteries on page 63) and then reset the error.
E50		Gas lock after 3 ignition attempts	Ignition is not possible. - The gas cylinder is empty. Exchange the gas cylinder. - Reset the error.
E51		Gas lock, internal error in the power module	- Reset the error. - Contact an authorized service agent if this error occurs again.
E52		Ground contact, gas valve	- Reset the error. - Contact an authorized service agent if this error occurs again.
E53		Ground contact, ignition electrode	- Reset the error. - Contact an authorized service agent if this error occurs again.

7 Technical data

For the current EU declaration of conformity for your device please refer to the respective product page on dometic.com or contact the manufacturer directly (see dometic.com/dealer).

	RMD10.5T, RMD10.5P	RMD10.5XT, RMD10.5XP
Connection voltage	230 V ~/50 Hz 12 V 	
Capacity:		
Gross capacity	153 L	177 L
Refrigerator compartment	124 L	142 L
Frozen compartment	29 L	35 L
Total net capacity	147 L	171 L

	RMD10.5T, RMD10.5P	RMD10.5XT, RMD10.5XP
Power consumption	250 W (230 V ~) 170 W (12 V ==)	
Energy consumption	4.4 kWh/ 24 h (230 V ~)	
Gas consumption	580 g/ 24 h	
Climate class	SN	
Dimensions (HxWxD)	1245 × 523 × 550 mm	1245 × 523 × 605 mm
Weight	42.5 kg	43.7 kg
Maximum weight per door shelf	3 kg	
Maximum weight per door	7.5 kg	
Maximum load capacity of fresh storage compartment	5.5 kg	
Inspection/certification		

Absorber refrigerator RML10.4, 10.4S, 10.4T, 10.4G, 10.4P

1

Accessories.....

34

2

Technical description.....

34

3

Operation.....

36

4

Cleaning.....

50

5

Maintenance.....

53

6

Troubleshooting.....

54

7

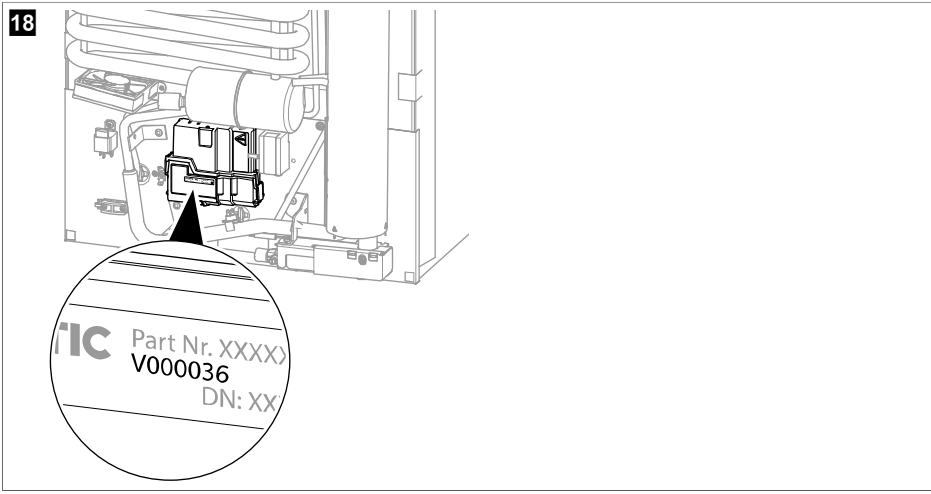
Technical data.....

59

1 Accessories

Available as an accessory (not included in the scope of delivery):

Description
Winter cover LS230 for the ventilation grille
Winter cover LS330 for the ventilation grille
Optional Fan Kit REF-FANKIT
Note: The Fan Kit can only be installed in refrigerators with software version 36 or higher ( Fig. 18 on page 34)
Optional Battery Pack R10-BP for stand-alone gas operation
Optional ø 2.5 / 5.5 mm connector for stand-alone gas operation with a 9 V  power bank (power bank not included)



2 Technical description

The refrigerator is an absorber refrigerator and is designed for operation:

- On a 12 V DC power supply.
- On an AC power supply.
- With liquefied gas (propane or butane).

The refrigerator has an automatic operating mode that selects the most economical connected type of energy. The refrigerator unit operates silently.

2.1 Control and display elements

RML10.4T

The **TFT display** features the following operating and display elements:

Symbol	Description
	Cooling capacity indicator
	Operating with AC power
	Operating with DC power
	Operating with gas
AUTO	Automatic mode: In automatic mode the refrigerator automatically selects the most economical operating mode according to the following priority: • AC power • DC power • Gas
	Battery: Symbol lights up when the battery packs (optional) are inserted and the device is in stand-alone gas mode.
	Fan (optional): Symbol lights up when the fan function is activated.
	Frame heater: Symbol lights up when the frame heater is operating. The frame heater of the frozen compartment reduces condensation.
CI	Symbol lights up when the refrigerator is connected to the CI bus.
	Dim TFT display: After 30 s, the brightness of the display is reduced to the set level.
	Beep off: • Error messages and warnings are not signaled acoustically. • Door left open for a longer period is signaled acoustically.

Symbol	Description
	Beep on: Error messages, warning messages and door left open for an extended period are signaled acoustically.
	Confirm selection and return to the main menu.

RML10.4, RML10.4S, RML10.4G, RML10.4P

The **LED display** features the following operating and display elements:

Symbol	Description
	ON/OFF button
	Operating with AC power
	Operating with DC power
	Operating with gas
	Fault indication
AUTO	Automatic mode
	Temperature indication
	Energy selection button
	Temperature selection button

3 Operation

3.1 Before first use

**NOTE**

- Do not store goods in the refrigerator for the first 4 h after start-up.
- When using the refrigerator for the first time, there may be a mild odor which will disappear after a few hours. Air out the living space well.
- The cooling capacity can be affected by:
 - The ambient temperature (e.g. when the vehicle is exposed to direct sunlight)
 - The amount of food to be refrigerated
 - How often the door is opened

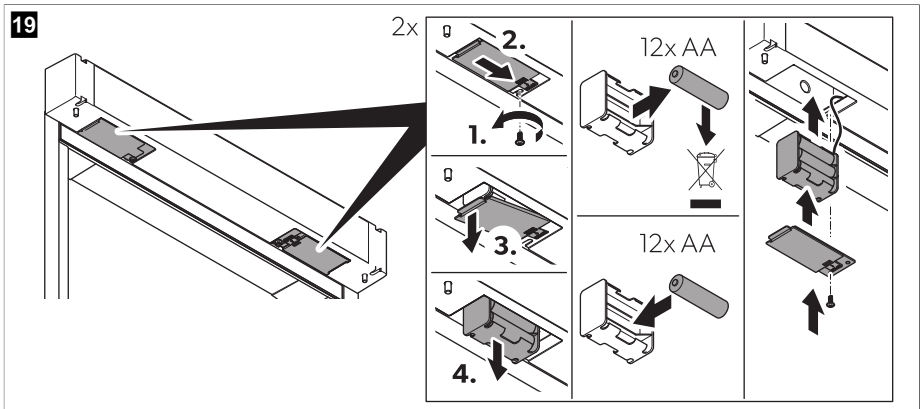
- Clean the inside of the refrigerator for hygienic reasons (see chapter *Cleaning* on page 50).
- Park the vehicle so that it is level, especially when starting up and filling the refrigerator before setting off on a journey.

3.2 Inserting or replacing batteries

If the vehicle's own 12 V DC battery power supply is unavailable or if the power supply is cut off while the device is in operation, the electronic control unit automatically switches over to the internal battery power (if batteries are inserted).

The compartments for the battery packs (**not included in the scope of delivery**) are located on the right and left under the operating element. A total of 12 AA batteries are needed.

- Insert the batteries as shown.



3.3 Information on storing food



CAUTION! Health hazard

- If the refrigerator is exposed to an ambient temperature below 10°C for an extended period of time, regulation of the frozen compartment temperature can no longer be guaranteed. That may cause the temperature of the frozen compartment to increase and the stored goods to be defrosted.
- Ensure that foodstuffs do not touch the walls of the cooling area.
- Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with and cannot drip onto other food.



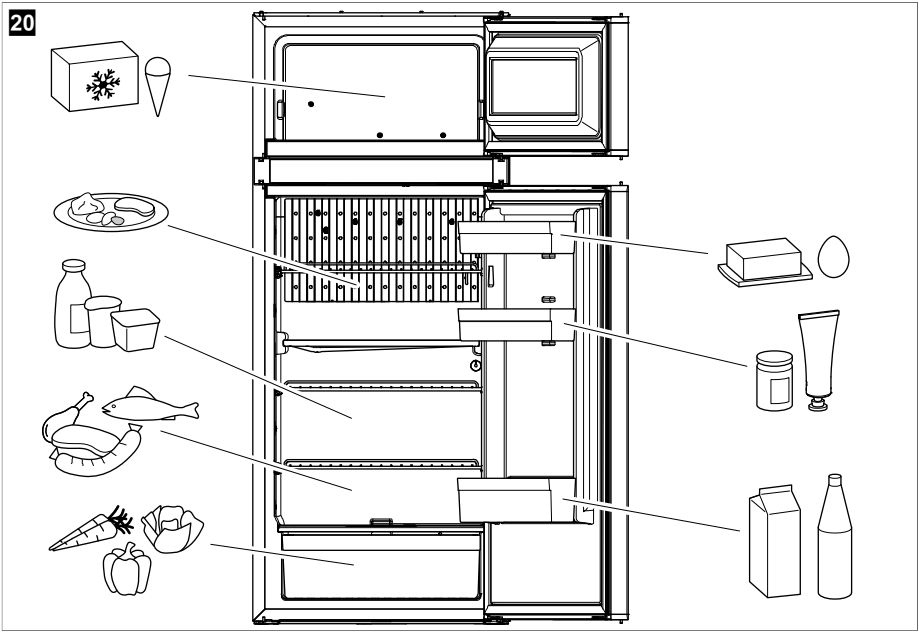
NOTICE! Damage hazard

- Store heavy objects such as bottles or cans only in the refrigerator door, in the vegetable compartment or on the bottom shelf. Observe the maximum load per door shelf and door when filling the refrigerator (see chapter Technical data on page 59).
- Do not keep carbonated drinks in the frozen compartment.

To avoid food waste, note the following:

- Keep temperature fluctuation as low as possible. Only open the refrigerator as often and for as long as necessary to avoid a significant increase of the temperature in the compartments of the refrigerator. Store the foodstuff in such a way that the air can still circulate well.
- Check if the cooling capacity of the refrigerator is suitable for the food you want to cool.
- Ensure to put only items in the refrigerator which may be chilled at the selected temperature.
- If the temperature can be adjusted: Adjust the temperature to the quantity and type of the foodstuff.
- Store the different foodstuff types as shown in the figures.
- Foodstuff can easily absorb or release odor or taste. Always store foodstuff covered or in closed containers/bottles.

> Store food as shown ( Fig. 20 on page 38).



3.3.1 Using the fresh storage compartment

(RML10.4T)



NOTICE! Damage hazard

Observe the maximum load capacity of the fresh storage compartment (see chapter Technical data on page 59).

> Use the slider to regulate the humidity in the fresh storage compartment:

Goods to be cooled		Optimal humidity		Slider position
Vegetables		Fast		Close the slider.
Fruit		Low		Open the slider.

3.4 Operating in low outdoor temperatures



NOTICE! Damage hazard

In AC operation and DC operation, install **both** winter covers. In gas mode or automatic mode, install only the **lower** winter cover. This prevents heat from building up and ensures the fumes from the refrigerator can dissipate properly.

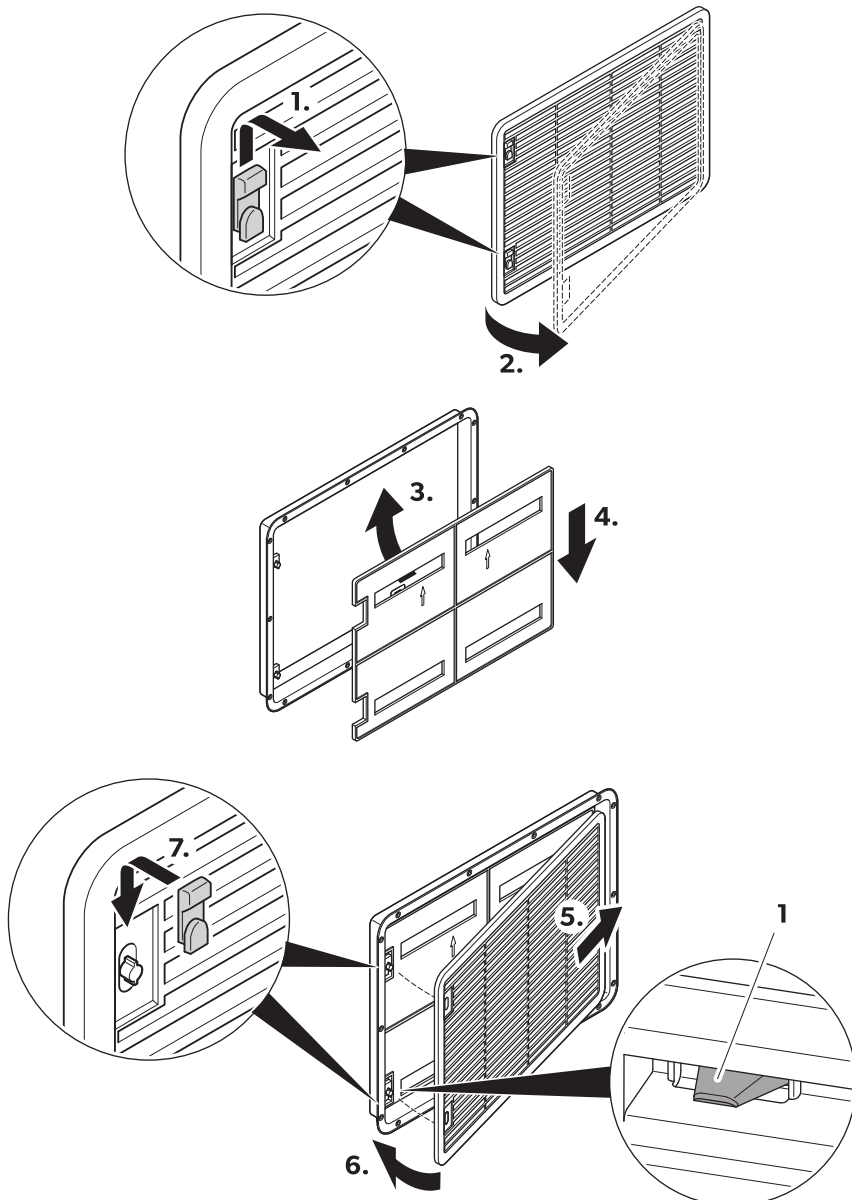


NOTE Cold air can affect the performance of the cooling unit. Install the winter covers if a loss of cooling capacity is noticed at low ambient temperatures.

> Install the winter covers (accessory) as shown.

3.4.1 Ventilation grille LS230

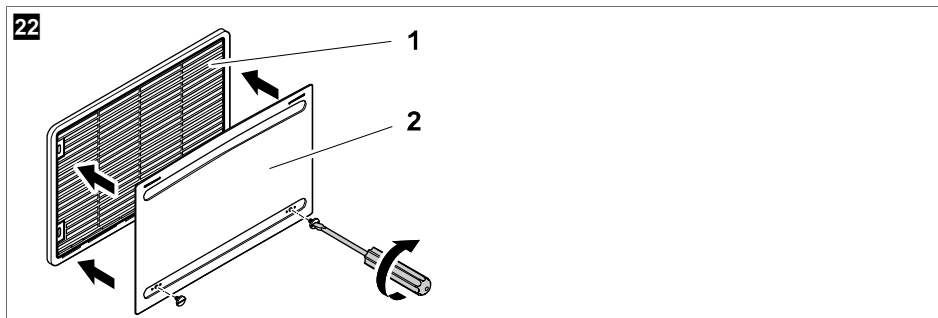
21





NOTE A winter cover that has been installed on the LS230 ventilation grille can be identified by the bolts protruding from the ventilation grille ( Fig. 21 on page 39, 1).

3.4.2 Ventilation grille LS330



3.5 Operation at high ambient temperatures

At high ambient temperatures in combination with high levels of humidity, condensation may form on the frozen compartment frame. The frozen compartment is equipped with a frame heater to reduce condensation on the frame of the frozen compartment.

The frame heater is switched on continuously in the following operating modes:

- AC operation
- DC operation (when the engine of the vehicle is running)

In gas operation, the frame heater can be switched on manually.

3.6 Switching on the refrigerator

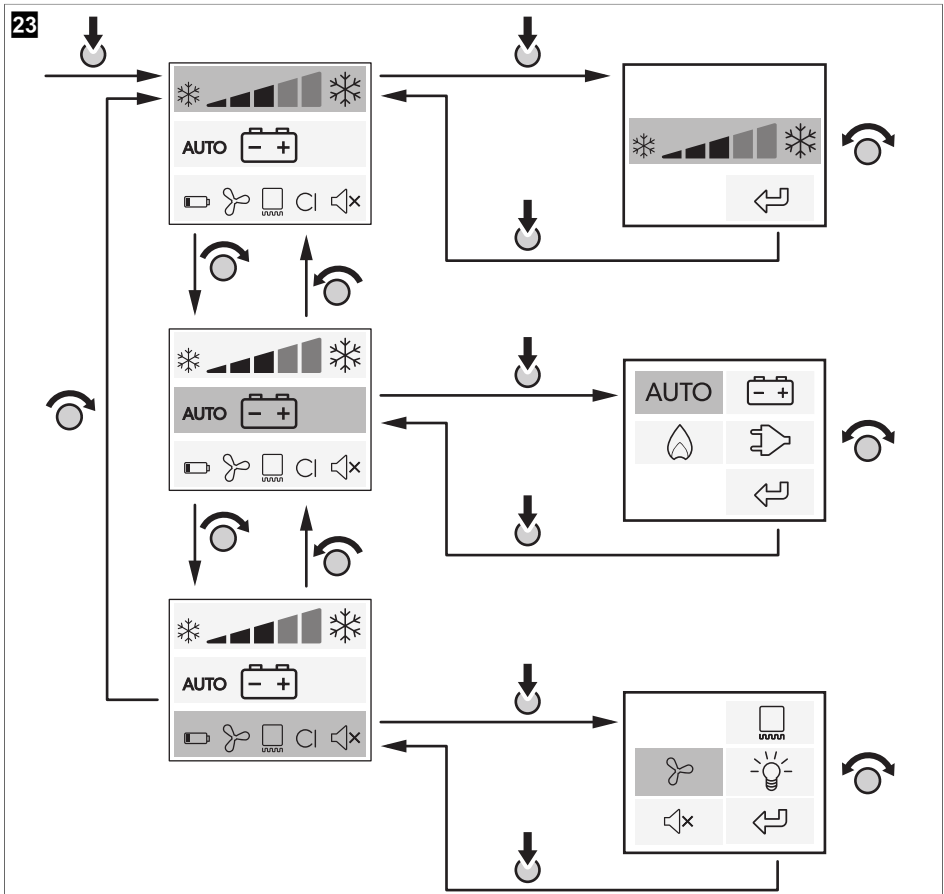
- > **RML10.4T:** Press the control knob for 2 s .
- > **RML10.4, RML10.4S, RML10.4G, RML10.4P:** Press the  button for 2 s .
- ✓ The refrigerator starts with the last selected settings.

3.7 Switching off the refrigerator

- > **RML10.4T:** Press the control knob for 4 s .
- > **RML10.4, RML10.4S, RML10.4G, RML10.4P:** Press the  button for 4 s .
- ✓ A beep sounds and the refrigerator switches off.

3.8 Making settings

RML10.4T



1. Press the control knob to activate the TFT display.
2. Turn the control knob to select the desired detail menu.
3. Press the control knob to open the selected detail menu.
4. Turn the control knob to navigate through the detail menu.
- ✓ Selected settings are displayed in blue.
5. Press the control knob to choose the selected setting.
6. Confirm the selection with .

RML10.4, RML10.4S, RML10.4G, RML10.4P

- > Press  repeatedly, until the LED indicates the desired operating mode.

- > Press  repeatedly, until the desired temperature level is set.

3.9 Tank stop mode



WARNING!

Turn off the refrigerator or select a different operating mode if refueling takes longer than 15 min.

If the vehicle's ignition is switched off, the refrigerator will switch to tank stop mode for safety reasons. This blocks gas operation for 15 min. After that, the refrigerator automatically switches back to automatic mode.

In tank stop mode

- RML10.4T: The  symbol is displayed.
- RML10.4, RML10.4S, RML10.4G, RML10.4P: The  LED flashes.

3.10 Stand-alone gas operation (optional)



WARNING!

In stand-alone gas mode, the refrigerator must be switched off manually during refueling.



NOTE

- When no AC or DC power is connected, there is a load on the batteries even when the refrigerator is off.
- Remove the batteries when the refrigerator is not in use (risk of leakage).
- If your vehicle manufacturer has installed the $\varnothing 2.5 / 5.5$ mm plug, ask the manufacturer for the connection point for the 9 V  power bank.

For stand-alone gas mode, the optional battery packs (accessories) must be installed. This makes connecting to AC or DC power unnecessary.

When using 12 batteries (type AA), the refrigerator can be operated in stand-alone gas mode for 2 to 3 days.

Note the following special features for stand-alone gas mode:

- The interior lighting of the refrigerator remains switched off.
- The display turns off 2 s after the last activity.
- The display switches on briefly every 15 s. This indicates that the refrigerator is on.
- If there are error messages, the display stays switched on.

Stand-alone gas mode is indicated by

- RML10.4T: The symbols  and .
- RML10.4, RML10.4S, RML10.4G, RML10.4P: The  LED flashing every 15 s.

The batteries of the battery packs must be replaced when

- RML10.4T: The error **E14** is displayed.
- RML10.4, RML10.4S, RML10.4G, RML10.4P: The error   is displayed.

3.11 Fan operation (optional)

For fan operation the optional fan kit (accessories) must be installed.

When the device is switched on, the fan is switched on briefly (function test). During device operation, the fan only switches on:

- When the ambient temperature is above 32°C.
- When the set cooling temperature is not reached within 2 hours.
- **RML10.4T**: When the fan function is activated.



NOTE

- **RML10.4T**: In delivery state, the fan function is activated.
- **RML10.4, RML10.4S, RML10.4G, RML10.4P**: The fan function is always activated and can **not** be deactivated.

RML10.4T: The fan operation is indicated by the symbol .

3.12 Setting the cooling capacity



NOTE For ambient temperatures of 15 ... 25°C, select the average cooling capacity.

- > **RML10.4T**: Select the desired temperature level in the cooling capacity menu.
- > **RML10.4, RML10.4S, RML10.4G, RML10.4P**: Press  repeatedly until the desired temperature level is selected.

3.13 Using the refrigerator door(s)



CAUTION! Risk of injury

The device door(s) can completely detach from the device if used incorrectly. Push the door(s) closed until you hear a clear click at the door latches.



NOTICE! Damage hazard

- > Do not open the door further than an angle of 90°.
- > Do not lean on the open device door.

3.13.1 Closing and locking the refrigerator door(s)

(**RML10.4, RML10.4T, RML10.4P**)



NOTE If the door is not locked correctly on the opposite side, push on that side at the top and bottom until it locks in place.

- > Press the door shut until you hear it clearly click at the top and bottom.
- ✓ The door is now closed and secured.

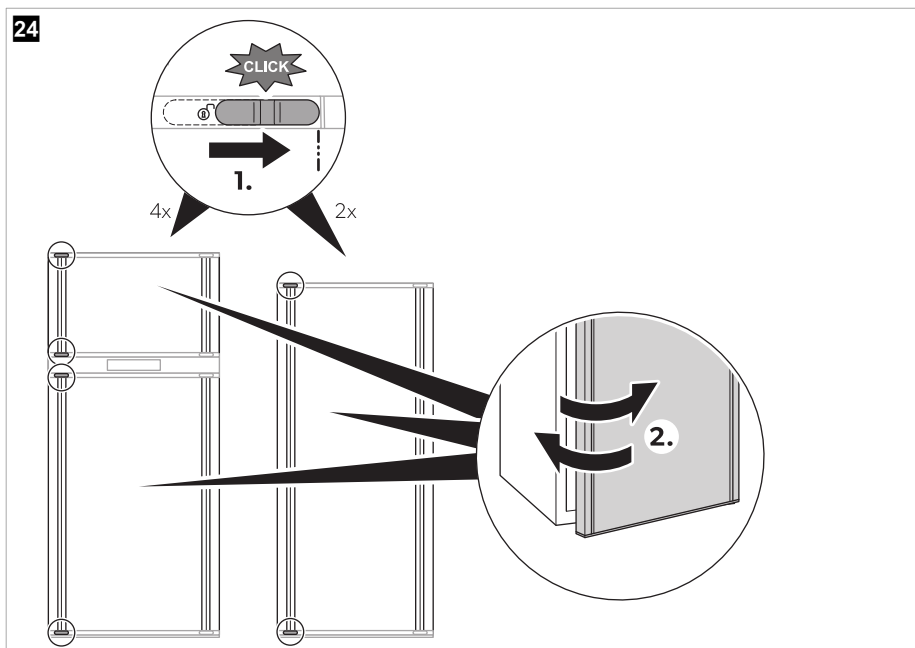
3.13.2 Releasing the refrigerator door(s)

(**RML10.4S, RML10.4G**)

- > Release the refrigerator door as shown.



NOTE The refrigerator door is easy to open and close but will not be secured when closed.

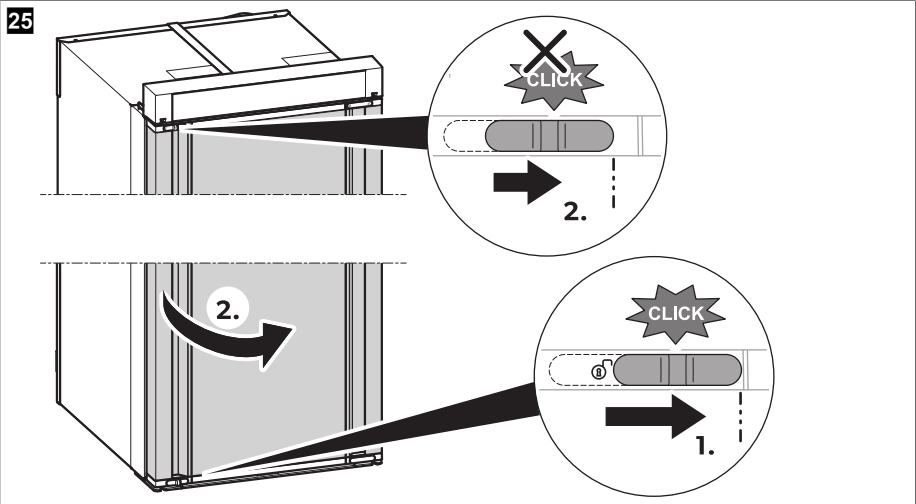


3.13.3 Securing the refrigerator door(s)

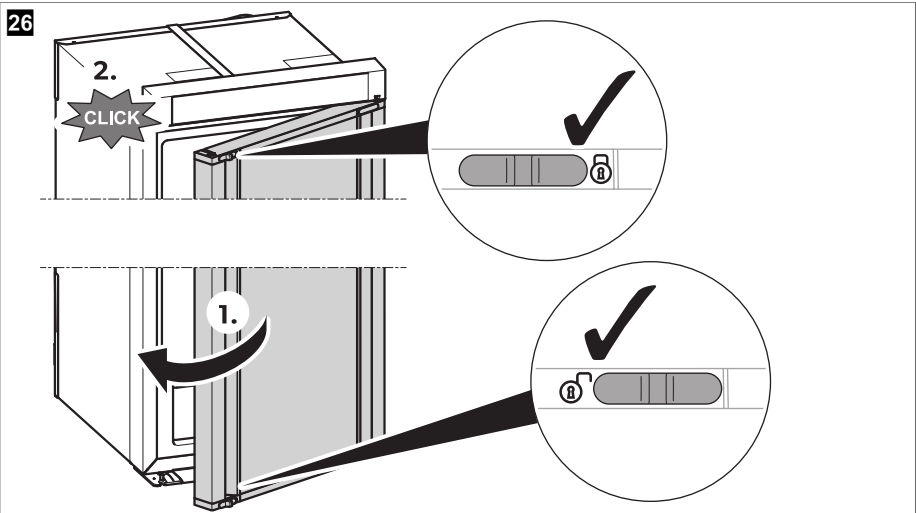
(RML10.4S, RML10.4G)

Securing the refrigerator door at the top automatically

- > Release and open the refrigerator door as shown.

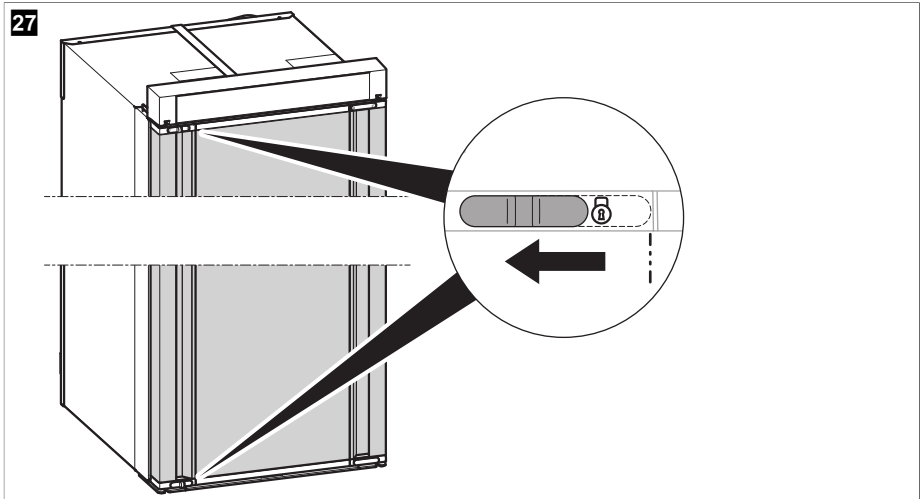


- ✓ The refrigerator door is automatically secured at the top after closing.



Securing the refrigerator door before driving off

- > Secure the refrigerator door as shown.



3.13.4 Positioning the refrigerator door into storage position



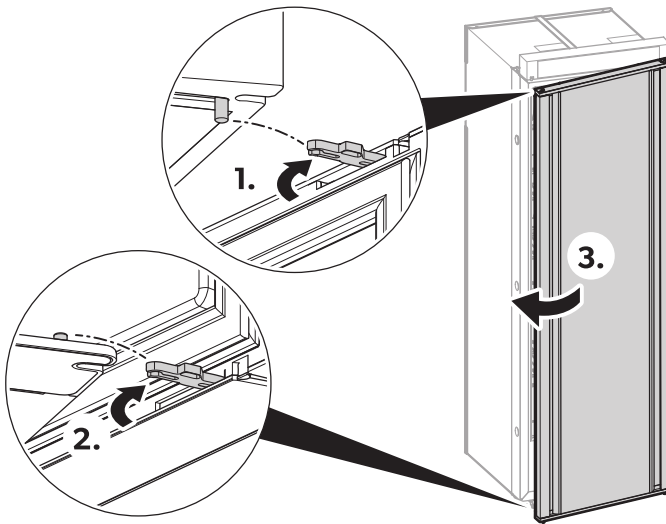
CAUTION! Risk of injury

The storage position may **not** be used while driving.

Put the refrigerator door(s) into the storage position if you are not going to use the refrigerator for an extended period of time. This prevents mold from forming.

1. Defrost the refrigerator (see chapter Defrosting the refrigerator on page 53).
2. Turn the hook near the securing mechanism all the way at the top and bottom of one side of the door.

28



3. Press against the refrigerator door.

✓ The protruding pin snaps into the hook.

Opening the door when in storage mode

1. Pull the door toward you.
2. Push in the protruding hooks at the top and bottom of the door.

3.14 Positioning the shelves

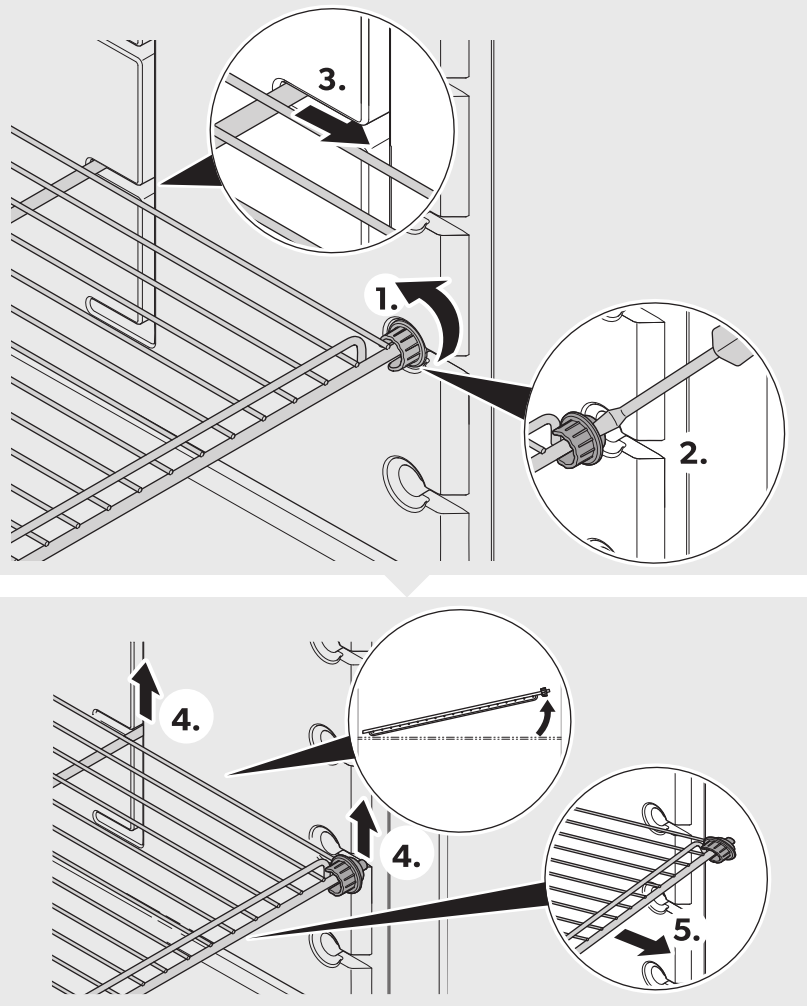


WARNING! Risk of child entrapment

Ensure that the shelves are mounted and secured in such a way that children cannot climb into the device or lock themselves inside. Only remove the shelves for cleaning purposes.

1. Remove the shelf as shown.

29



2. Re-install the shelf in the reverse order.

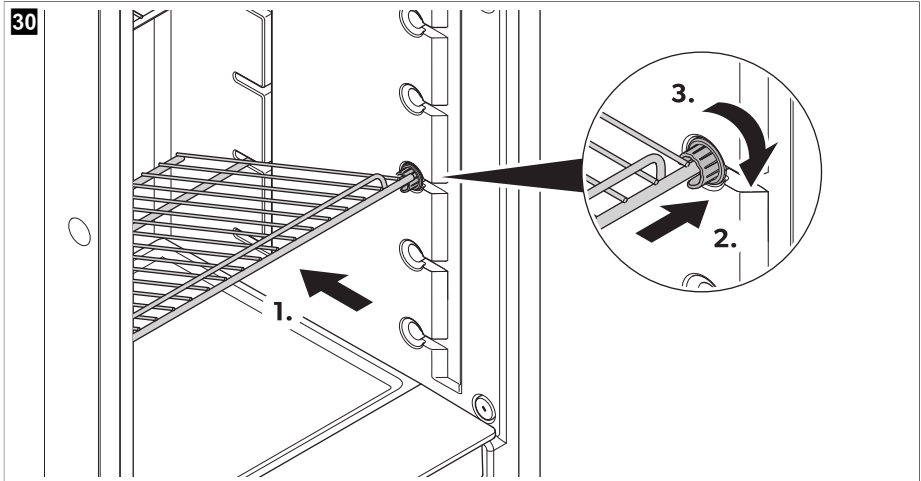
Positioning the shelf at an angle for bottles



NOTICE! Damage hazard

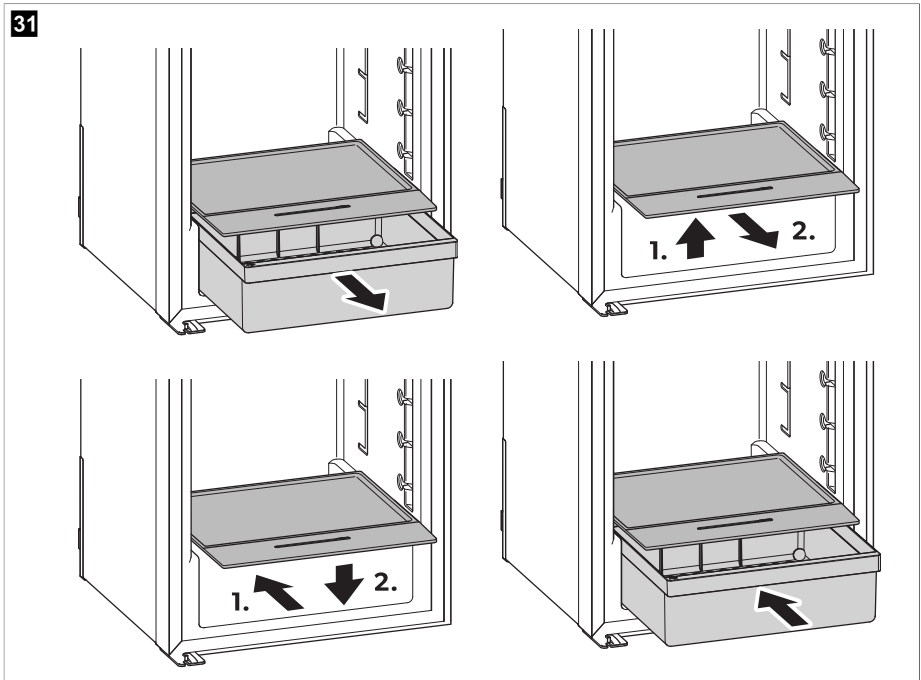
While driving, the shelf in the angled position must **not** be filled.

- > Change the position of the shelf as shown.



3.15 Removing and inserting the fresh storage compartment

- > Remove and insert the fresh storage compartment as shown.



3.16 Removing the frozen compartment

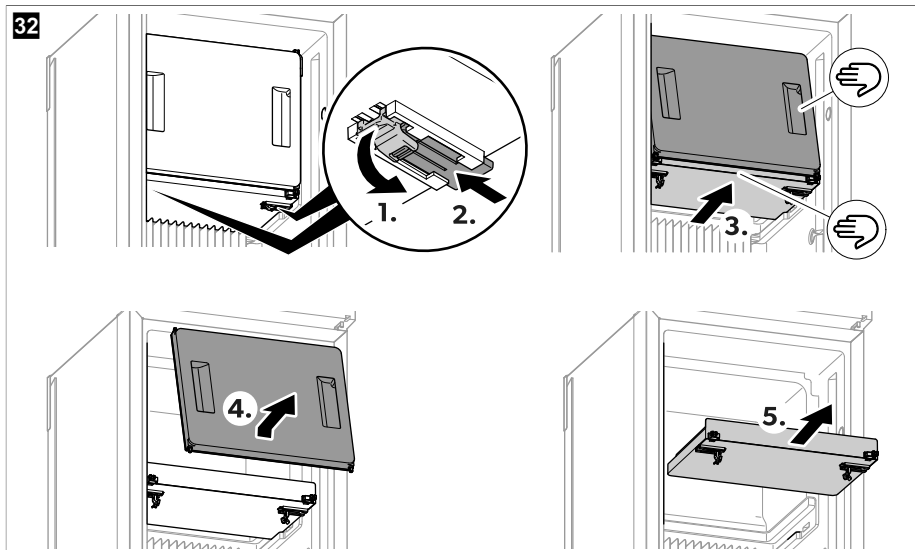
The frozen compartment can be removed to create more space in the refrigerator compartment.



NOTICE! Damage hazard

Store the frozen compartment door and the frozen compartment base in a safe place.

- > Remove the frozen compartment as shown.



- > Re-install the frozen compartment in the reverse order.

4 Cleaning



WARNING! Electrocuting hazard

Always disconnect the device from the power supply before cleaning and servicing it.



CAUTION! Health hazard

Clean regularly surfaces that can come in contact with food and accessible drainage systems.



NOTICE! Damage hazard

- > Do not use abrasive cleaning agents or hard objects during cleaning.
- > Never use hard or sharp tools to remove ice or to free frozen objects.
- > Ensure that no water drips into the seals. This can damage the electronics.
- > Attach the winter covers of the ventilation grille (accessories) when the vehicle is cleaned from the outside or not used for a prolonged period of time.



NOTE Remove the shelves and the fresh storage compartment if necessary to thoroughly clean the interior of the refrigerator (see chapters Positioning the shelves on page 47 and Removing and inserting the fresh storage compartment on page 100).

- > Clean the interior and exterior of the refrigerator regularly and as soon as it becomes dirty with a damp cloth. Wipe the refrigerator dry with a cloth after cleaning.
- > Check the condensate drain regularly.
Clean the condensate drain when necessary. If it is blocked, the condensate collects on the bottom of the refrigerator.
- > Clean dust and dirt from the condenser regularly with a damp cloth.
- > Check that the ventilation grilles in the outer wall of the recreational vehicle and the roof vent of the refrigerator are always free of dust and dirt. This ensures that the heat generated during operation can be dissipated. If the heat cannot be dissipated via the ventilation grilles, the cooling capacity of the refrigerator will be reduced and the refrigerator may be damaged.
- > Clean the gas burner regularly (see chapter Cleaning the gas burner on page 74). Dirt in the gas burner is indicated by poor ignition or deflagrations.

The manufacturer recommends cleaning the burner after not being used for a longer period of time and at least once a year. When using liquefied petroleum gas, the cleaning interval is reduced to half yearly or quarterly, depending on the level of dirt.

4.1 Cleaning the gas burner



WARNING! Burn hazard

- > Allow the burner to cool down before cleaning it.
- > Do not modify the gas equipment.

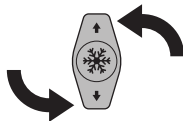
- > Clean the gas burner as shown.

33

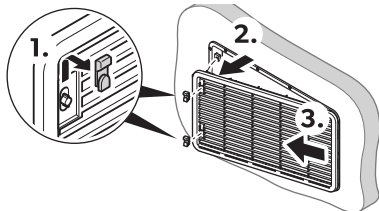
A



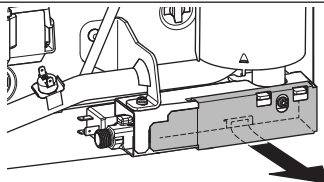
B



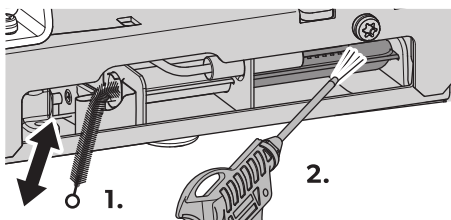
C



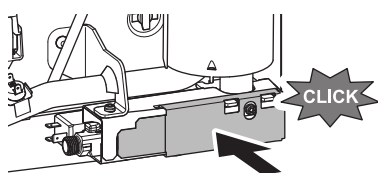
D



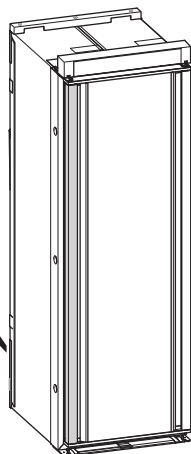
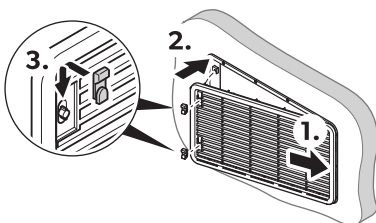
E



F



G



5 Maintenance



WARNING! Electrocution hazard

Always disconnect the device from the power supply before cleaning and servicing it.



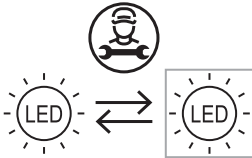
NOTICE! Damage hazard

Attach the winter covers of the ventilation grille (accessories) when the vehicle is cleaned from the outside or not used for a prolonged period of time.



NOTICE! Damage hazard

The light source can only be replaced by the manufacturer, a service agent or a similarly qualified person to avoid hazard.



Work on gas and electrical installations may only be performed by qualified technicians.

- > Have the gas system and connected flues inspected before starting up the device for the first time, and by an authorized professional every two years to ensure they comply with the national safety requirements.
- > Keep a record of any maintenance performed.

5.1 Refrigerant circuit

The refrigerant circuit is maintenance-free.

5.2 Defrosting the refrigerator



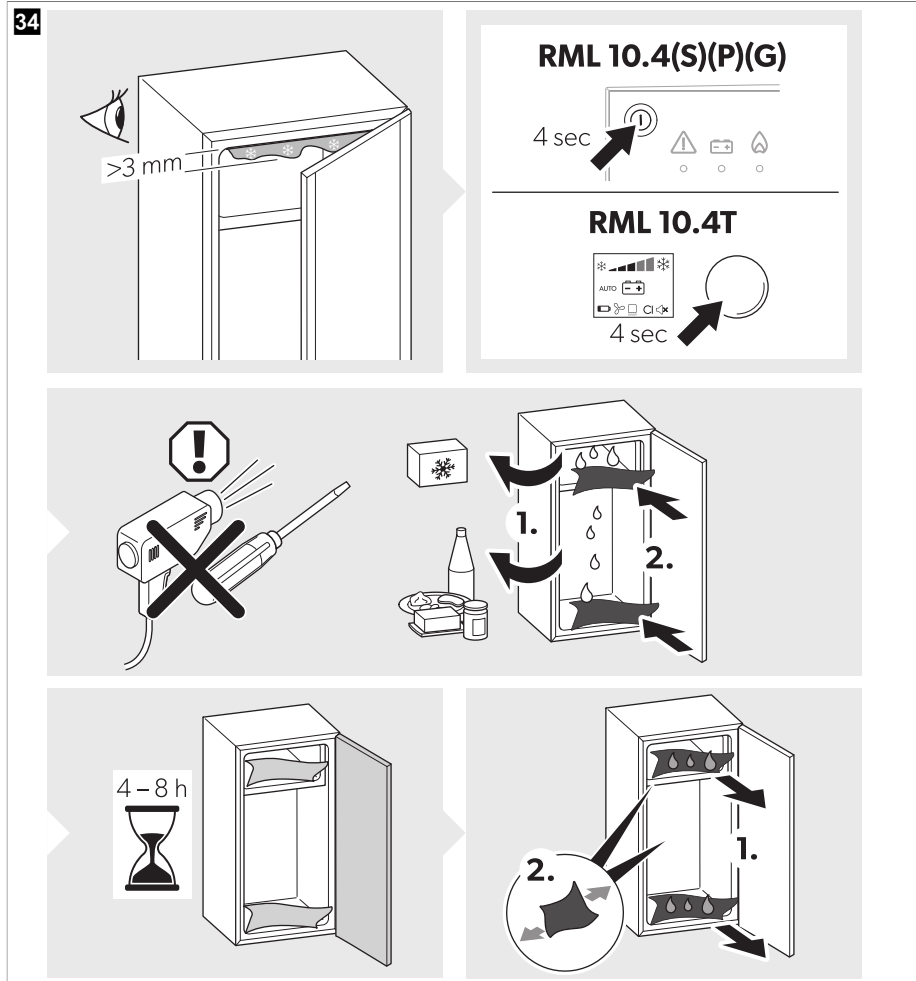
CAUTION! Health hazard

Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.



NOTE Over time, frost will develop on the cooling fins inside the refrigerator. Once the layer of frost is about 3 mm thick, defrost the refrigerator.

> Defrost the refrigerator as shown.



6 Troubleshooting

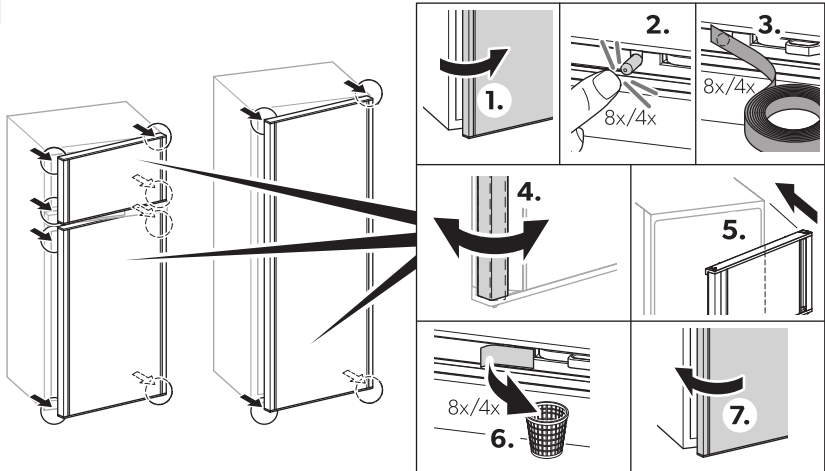


NOTE To safely operate 12 V consumer units in the caravan while driving, it must be ensured that the towing vehicle provides sufficient voltage. On some vehicles, the battery management system may automatically switch off the consumer units to protect the battery. Ask your vehicle manufacturer for more information.

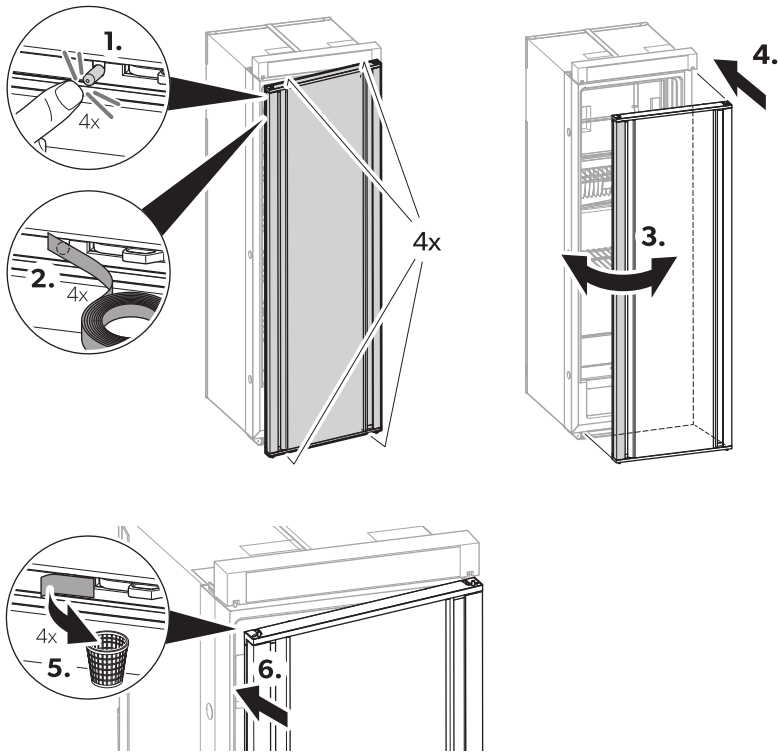
Problem	Possible cause	Suggested remedy
With AC operation: The refrigerator does not work.	The fuse in the AC power supply is defective.	> Replace the fuse.
	The vehicle is not connected to the AC power supply.	> Connect the vehicle to the AC power supply.
	The AC heating element is defective.	> Contact an authorized service agent.
With DC operation: The refrigerator does not work.	The fuse in the DC cable is defective.	> Contact an authorized service agent. The fuse on the relay must be replaced.
	The vehicle fuse has blown.	> Replace the vehicle fuse. (Refer to the operating manual of your vehicle.)
	The vehicle battery is discharged.	> Test the battery and charge it.
	The ignition is not switched on.	> Switch on the ignition.
	The DC heating element is defective.	> Contact an authorized service agent.
With gas operation: The refrigerator does not work.	The gas cylinder is empty.	> Replace the gas cylinder.
	The gas valve is closed.	> Turn the valve to open.
	Air is in the gas line.	> Switch the refrigerator off and on again. Repeat the procedure three or four times if necessary. > If available, switch on the stove and repeat the process with the refrigerator if necessary.
In automatic mode: The refrigerator is being operated with gas although it is connected to the AC power supply.	The mains voltage is too low.	> (No action required) The refrigerator automatically switches back to AC power supply as soon as the mains voltage is sufficient again.
The refrigerator is not adequately cooling.	The ventilation around the cooling unit is not sufficient.	> Check that the ventilation grille is not obstructed.
	The evaporator is iced up.	> Check whether the refrigerator door closes properly. > Ensure that the refrigerator seal fits correctly and is not damaged. > Defrost the refrigerator (see chapter Defrosting the refrigerator on page 53).
	The temperature is set too high.	> Set a lower temperature.
	The ambient temperature is too high.	> Remove the ventilation grille for a while so that warm air can escape quicker.
	Too much food was placed in the refrigerator at once.	> Remove some of the food.

Problem	Possible cause	Suggested remedy
	Too much warm food was placed in the refrigerator at once.	> Remove the warm food and leave it to cool down before putting it in again.
	The refrigerator has not been operating for very long.	> Check the temperature again after four or five hours.
Refrigerator door/frozen compartment door does not close.	The door handle is blocked on the opened side.	> Remove the door handle blockage ( Fig. 35 on page 56).
Refrigerator door/frozen compartment door has completely detached from the device.	The locking pins have been tampered with or are twisted.	> Reinsert the door ( Fig. 36 on page 57).

35



36



6.1 Fault messages and signal tones

All faults are indicated by a warning symbol, a fault ID and a beep. The beeping lasts for 2 min and is repeated every 30 min until the error has been rectified.

If multiple faults occur, the display shows the last fault. The underlying faults are displayed after the last fault has been confirmed.

RML10.4T: Faults are indicated by a fault code with a warning symbol (⚠) in the middle of the TFT display.

RML10.4, RML10.4S, RML10.4G, RML10.4P: In the event of a fault, the LED warning symbol (⚠) in the display lights up continuously and the LEDs flash according to the fault.

WARNING type fault messages

All faults of the WARNING type are reset automatically once the fault has been rectified.

Error message		Fault	Solution
RML10.4T	RML10.4, RML10.4S, RML10.4G, RML10.4P		
W01		Defective temperature sensor in the refrigerator compartment	Contact an authorized service agent.
W05		AC power not connected or AC voltage ≤ 190 V	Connect the refrigerator to AC power or select a different energy type, e.g. gas or DC power.
W06		DC power not connected	Connect the refrigerator to DC power or select a different energy type, e.g. gas or AC power.
W11	 	DC overvoltage (≥ 16 V)	Contact an authorized service agent.
		Tank stop mode: Gas operation is blocked for 15 min	Wait 15 min or switch to another operating mode.
	Beep	The door is opened for more than 2 min.	Close the door.
W10			
+ beep			

ERROR type fault messages

All faults of the ERROR type must be reset manually:

- > RML10.4T: Press the control knob for 2 s.
- > RML10.4, RML10.4S, RML10.4G, RML10.4P: Press the  for 2 s.
- ✓ A beep sounds. The error has been reset.

Error message		Fault	Solution
RML10.4T	RML10.4, RML10.4S, RML10.4G, RML10.4P		
E03		No connection between power module and display	Contact an authorized service agent.
E07	 	No cooling capacity in gas mode	- Check if the device is at an angle and adjust it if necessary. - Reset the error. - Contact an authorized service agent if this error occurs again.
E08	 	No cooling power in AC mode	- Check if the device is at an angle and adjust it if necessary. - Reset the error. - Contact an authorized service agent if this error occurs again.

Error message		Fault	Solution
RML10.4T	RML10.4, RML10.4S, RML10.4G, RML10.4P		
E09	 	No cooling power in DC mode	• Check if the device is at an angle and adjust it if necessary. • Reset the error. • Contact an authorized service agent if this error occurs again.
E12	 	Gas valve test error	Gas operation is not possible. • Reset the error. • Contact an authorized service agent if this error occurs again.
E13	 	Internal communication error	Gas operation is not possible. • Reset the error. • Contact an authorized service agent if this error occurs again.
E14	 	In stand-alone gas mode: The state of charge of the battery packs is too low	• Insert new batteries (see chapter Inserting or replacing batteries on page 63) and then reset the error.
E50		Gas lock after 3 ignition attempts	Ignition is not possible. • The gas cylinder is empty. Exchange the gas cylinder. • Reset the error.
E51	 	Gas lock, internal error in the power module	• Reset the error. • Contact an authorized service agent if this error occurs again.
E52	 	Ground contact, gas valve	• Reset the error. • Contact an authorized service agent if this error occurs again.
E53	 	Ground contact, ignition electrode	• Reset the error. • Contact an authorized service agent if this error occurs again.

7 Technical data

For the current EU declaration of conformity for your device please refer to the respective product page on dometic.com or contact the manufacturer directly (see dometic.com/dealer).

	RML10.4	RML10.4S, RML10.4G	RML10.4T, RML10.4P
Connection voltage	230 V ~/50 Hz		
	12 V---		

	RML10.4	RML10.4S, RML10.4G	RML10.4T, RML10.4P
Capacity:			
Gross capacity	133 L		
Refrigerator compartment	116 L		
Frozen compartment	12 L		
Total net capacity	139 L		
Power consumption	170 W (230 V ~) 170 W (12 V ==)		
Energy consumption	3.2 kWh/ 24 h (230 V ~) 340 Ah / 24 h (12 V ==)		
Gas consumption	380 g/ 24 h		
Climate class	SN		
Dimensions (HxWxD)	1293 × 420 × 578 mm		
Weight	35 kg	32 kg	35.5 kg
Maximum weight per door shelf	3 kg		
Maximum weight per door	7.5 kg		
Maximum load capacity of fresh storage compartment	4.5 kg		
Inspection/certification			

Absorber refrigerator RMS10.5XT, RMS10.5XP

1	Accessories.....	61
2	Technical description.....	61
3	Operation.....	63
4	Cleaning.....	73
5	Maintenance.....	75
6	Troubleshooting.....	77
7	Technical data.....	82

1 Accessories

Available as an accessories (not included in the scope of delivery):

Description

Winter cover WA 130 for the ventilation grille LS 200

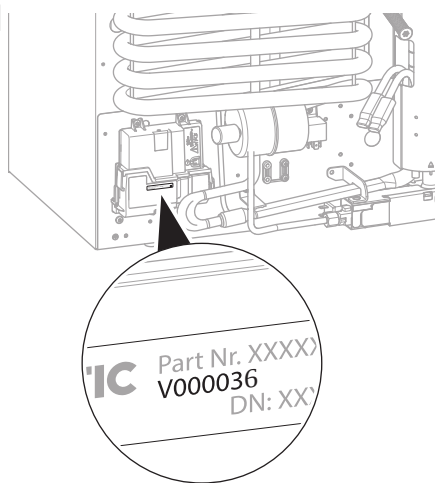
Optional Fan Kit REF-FANKIT

Note: The Fan Kit can only be installed in refrigerators with software version 36 or higher ( Fig. 37 on page 61)

Optional Battery Pack R10-BP for stand-alone gas operation

Optional storage kit

37



2 Technical description

The refrigerator is an absorber refrigerator and is designed for operation:

- On a 12 V DC power supply.

- On an AC power supply.
- With liquefied gas (propane or butane).

The refrigerator has an automatic operating mode that selects the most economical connected type of energy. The refrigerator unit operates silently.

2.1 Control and display elements

RMS10.5XT

The **TFT display** features the following operating and display elements:

Symbol	Description
	Cooling capacity indicator
	Operating with AC power
	Operating with DC power
	Operating with gas
AUTO	Automatic mode: In automatic mode the refrigerator automatically selects the most economical operating mode according to the following priority: • AC power • DC power • Gas
	Battery: Symbol lights up when the battery packs (optional) are inserted and the device is in stand-alone gas mode.
	Fan (optional): Symbol lights up when the fan function is activated.
	Frame heater: Symbol lights up when the frame heater is operating. The frame heater of the frozen compartment reduces condensation.
CI	Symbol lights up when the refrigerator is connected to the CI bus.
	Dim TFT display: After 30 s , the brightness of the display is reduced to the set level.
	Beep off: • Error messages and warnings are not signaled acoustically. • Door left open for a longer period is signaled acoustically.
	Beep on: Error messages, warning messages and door left open for an extended period are signaled acoustically.

Symbol	Description
	Confirm selection and return to the main menu.

RMS10.5XP

The **LED display** features the following operating and display elements:

Symbol	Description
	ON/OFF button
	Operating with AC power
	Operating with DC power
	Operating with gas
	Fault indication
AUTO	Automatic mode
	Temperature indication
	Energy selection button
	Temperature selection button

3 Operation

3.1 Before first use



NOTE

- Do not store goods in the refrigerator for the first 4 h after start-up.
- When using the refrigerator for the first time, there may be a mild odor which will disappear after a few hours. Air out the living space well.
- The cooling capacity can be affected by:
 - The ambient temperature (e.g. when the vehicle is exposed to direct sunlight)
 - The amount of food to be refrigerated
 - How often the door is opened

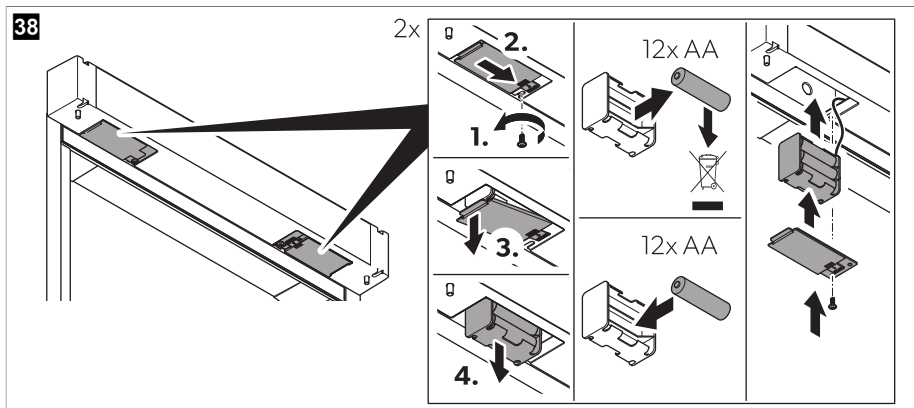
- > Clean the inside of the refrigerator for hygienic reasons (see chapter [Cleaning](#) on page 73).
- > Park the vehicle so that it is level, especially when starting up and filling the refrigerator before setting off on a journey.

3.2 Inserting or replacing batteries

If the vehicle's own 12 V DC battery power supply is unavailable or if the power supply is cut off while the device is in operation, the electronic control unit automatically switches over to the internal battery power (if batteries are inserted).

The compartments for the battery packs (**not included in the scope of delivery**) are located on the right and left under the operating element. A total of 12 AA batteries are needed.

- > Insert the batteries as shown.



3.3 Information on storing food



CAUTION! Health hazard

- > If the refrigerator is exposed to an ambient temperature below 10°C for an extended period of time, regulation of the frozen compartment temperature can no longer be guaranteed. That may cause the temperature of the frozen compartment to increase and the stored goods to be defrosted.
- > Ensure that foodstuffs do not touch the walls of the cooling area.
- > Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with and cannot drip onto other food.



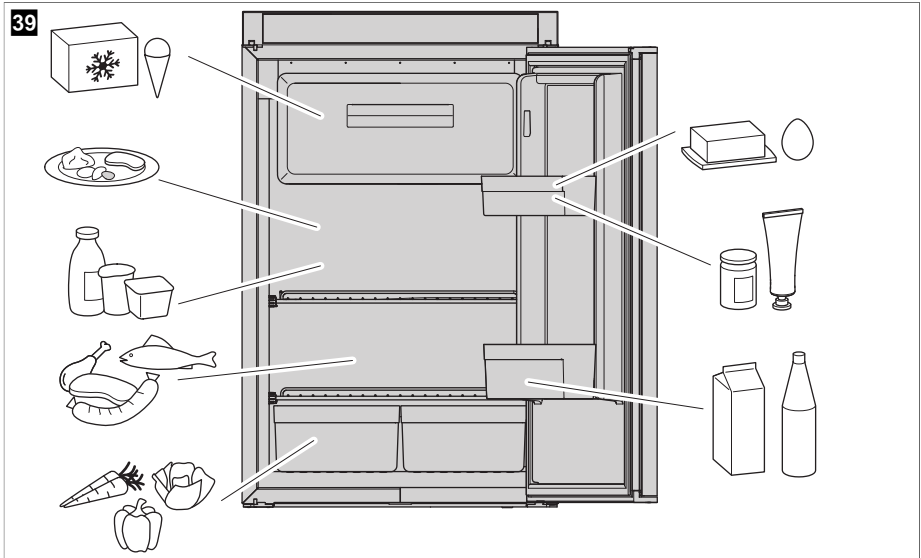
NOTICE! Damage hazard

- > Store heavy objects such as bottles or cans only in the refrigerator door, in the vegetable compartment or on the bottom shelf. Observe the maximum load per door shelf and door when filling the refrigerator (see chapter Technical data on page 82).
- > Do not keep carbonated drinks in the frozen compartment.

To avoid food waste, note the following:

- Keep temperature fluctuation as low as possible. Only open the refrigerator as often and for as long as necessary to avoid a significant increase of the temperature in the compartments of the refrigerator. Store the foodstuff in such a way that the air can still circulate well.
- Check if the cooling capacity of the refrigerator is suitable for the food you want to cool.
- Ensure to put only items in the refrigerator which may be chilled at the selected temperature.
- If the temperature can be adjusted: Adjust the temperature to the quantity and type of the foodstuff.
- Store the different foodstuff types as shown in the figures.
- Foodstuff can easily absorb or release odor or taste. Always store foodstuff covered or in closed containers/bottles.

- > Store food as shown ( Fig. 39 on page 65).



3.4 Operating in low outdoor temperatures



NOTICE! Damage hazard

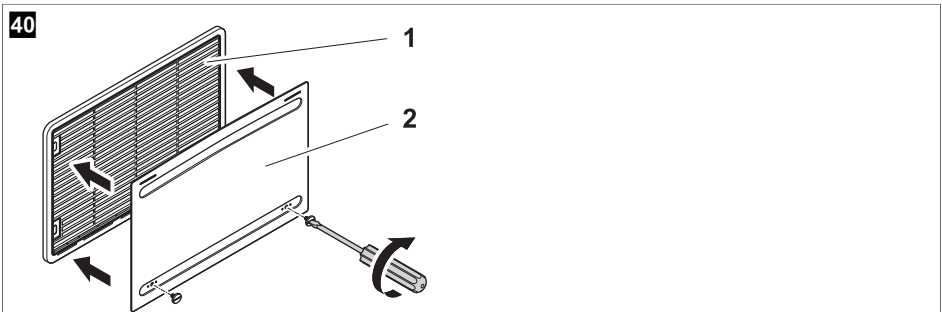
In AC operation and DC operation, install **both** winter covers. In gas mode or automatic mode, install only the **lower** winter cover. This prevents heat from building up and ensures the fumes from the refrigerator can dissipate properly.



NOTE Cold air can affect the performance of the cooling unit. Install the winter covers if a loss of cooling capacity is noticed at low ambient temperatures.

- > Install the winter covers (accessory) as shown.

3.4.1 Ventilation grille LS200



3.5 Operation at high ambient temperatures

At high ambient temperatures in combination with high levels of humidity, condensation may form on the frozen compartment frame. The frozen compartment is equipped with a frame heater to reduce condensation on the frame of the frozen compartment.

The frame heater is switched on continuously in the following operating modes:

- AC operation
- DC operation (when the engine of the vehicle is running)

In gas operation, the frame heater can be switched on manually.

3.6 Switching on the refrigerator

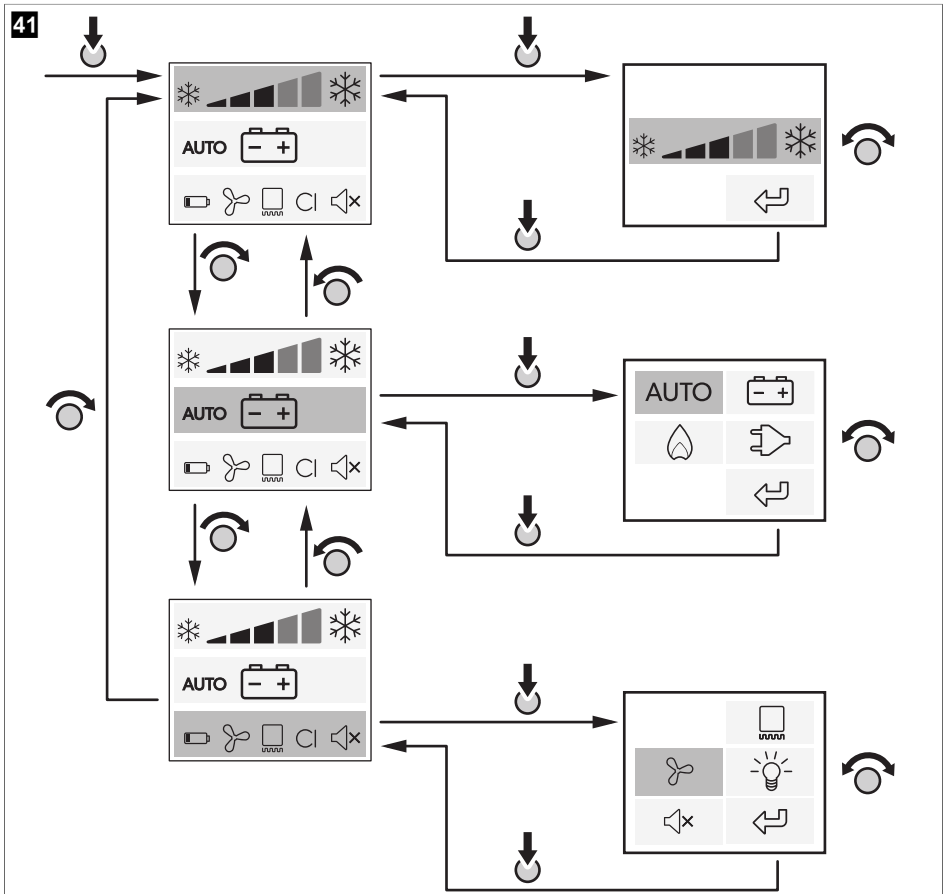
- > **RMS10.5XT:** Press the control knob for 2 s .
- > **RMS10.5XP:** Press the ① button for 2 s .
- √ The refrigerator starts with the last selected settings.

3.7 Switching off the refrigerator

- > **RMS10.5XT:** Press the control knob for 4 s .
- > **RMS10.5XP:** Press the ① button for 4 s .
- √ A beep sounds and the refrigerator switches off.

3.8 Making settings

RMS10.5XT



1. Press the control knob to activate the TFT display.
2. Turn the control knob to select the desired detail menu.
3. Press the control knob to open the selected detail menu.
4. Turn the control knob to navigate through the detail menu.
- ✓ Selected settings are displayed in blue.
5. Press the control knob to choose the selected setting.
6. Confirm the selection with ↩.

RMS10.5XP

- > Press  repeatedly, until the LED indicates the desired operating mode.

> Press  repeatedly, until the desired temperature level is set.

3.9 Tank stop mode



WARNING!

Turn off the refrigerator or select a different operating mode if refueling takes longer than 15 min.

If the vehicle's ignition is switched off, the refrigerator will switch to tank stop mode for safety reasons. This blocks gas operation for 15 min. After that, the refrigerator automatically switches back to automatic mode.

In tank stop mode

- RMS10.5XT: The  symbol is displayed.
- RMS10.5XP: The  LED flashes.

3.10 Stand-alone gas operation (optional)



WARNING!

In stand-alone gas mode, the refrigerator must be switched off manually during refueling.



NOTE

- When no AC or DC power is connected, there is a load on the batteries even when the refrigerator is off.
- Remove the batteries when the refrigerator is not in use (risk of leakage).
- If your vehicle manufacturer has installed the $\varnothing$ 2.5 / 5.5 mm plug, ask the manufacturer for the connection point for the 9 V  power bank.

For stand-alone gas mode, the optional battery packs (accessories) must be installed. This makes connecting to AC or DC power unnecessary.

When using 12 batteries (type AA), the refrigerator can be operated in stand-alone gas mode for 2 to 3 days.

Note the following special features for stand-alone gas mode:

- The interior lighting of the refrigerator remains switched off.
- The display turns off 2 s after the last activity.
- The display switches on briefly every 15 s. This indicates that the refrigerator is on.
- If there are error messages, the display stays switched on.

Stand-alone gas mode is indicated by

- RMS10.5XT: The symbols  and .
- RMS10.5XP: The  LED flashing every 15 s.

The batteries of the battery packs must be replaced when

- RMS10.5XT: The error **E 14** is displayed.
- RMS10.5XP: The error  is displayed.

3.11 Fan operation (optional)

For fan operation the optional fan kit (accessories) must be installed.

When the device is switched on, the fan is switched on briefly (function test). During device operation, the fan only switches on:

- When the ambient temperature is above 32°C.
- When the set cooling temperature is not reached within 2 hours.
- **RMS10.5XT**: When the fan function is activated.



NOTE

- **RMS10.5XT**: In delivery state, the fan function is activated.
- **RMS10.5XP**: The fan function is always activated and can **not** be deactivated.

RMS10.5XT: The fan operation is indicated by the symbol .

3.12 Setting the cooling capacity



NOTE For ambient temperatures of 15 ... 25°C, select the average cooling capacity.

- > **RMS10.5XT**: Select the desired temperature level in the cooling capacity menu.
- > **RMS10.5XP**: Press  repeatedly until the desired temperature level is selected.

3.13 Using the refrigerator door(s)



CAUTION! Risk of injury

The device door(s) can completely detach from the device if used incorrectly. Push the door(s) closed until you hear a clear click at the door latches.



NOTICE! Damage hazard

- > Do not open the door further than an angle of 90°.
- > Do not lean on the open device door.

3.13.1 Closing and locking the refrigerator door(s)

(**RMS10.5XT**, **RMS10.5XP**)



NOTE If the door is not locked correctly on the opposite side, push on that side at the top and bottom until it locks in place.

- > Press the door shut until you hear it clearly click at the top and bottom.
- ✓ The door is now closed and secured.

3.13.2 Positioning the refrigerator door into storage position



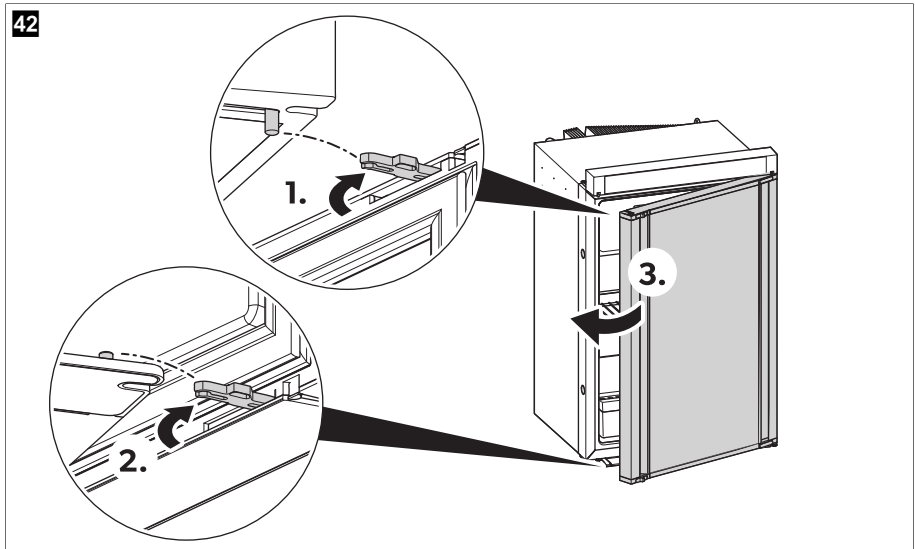
CAUTION! Risk of injury

The storage position may **not** be used while driving.

Put the refrigerator door(s) into the storage position if you are not going to use the refrigerator for an extended period of time. This prevents mold from forming.

1. Defrost the refrigerator (see chapter Defrosting the refrigerator on page 76).

2. Turn the hook near the securing mechanism all the way at the top and bottom of one side of the door.



3. Press against the refrigerator door.
- ✓ The protruding pin snaps into the hook.

Opening the door when in storage mode

1. Pull the door toward you.
2. Push in the protruding hooks at the top and bottom of the door.

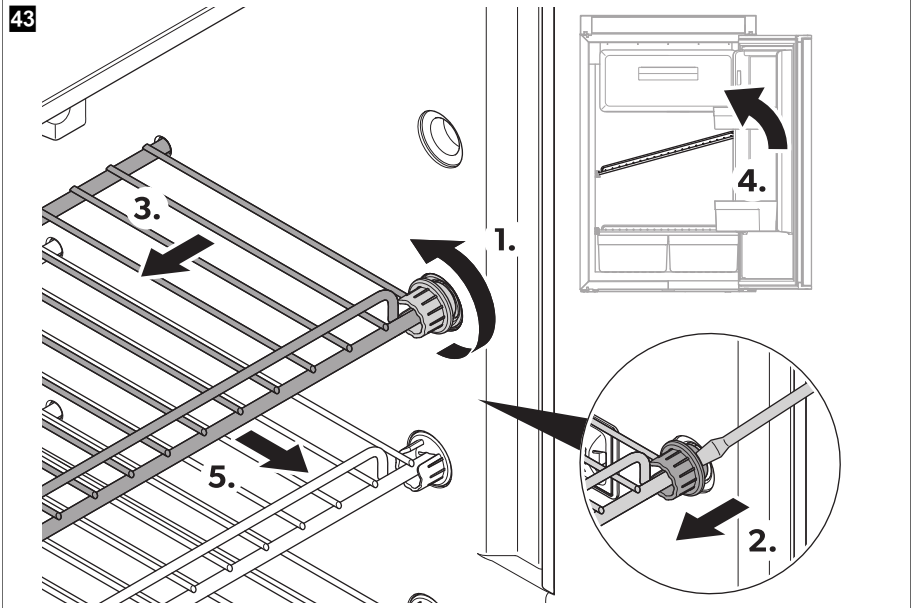
3.14 Positioning the shelves



WARNING! Risk of child entrapment

Ensure that the shelves are mounted and secured in such a way that children cannot climb into the device or lock themselves inside. Only remove the shelves for cleaning purposes.

1. Remove the shelf as shown.



2. Re-install the shelf in the reverse order.

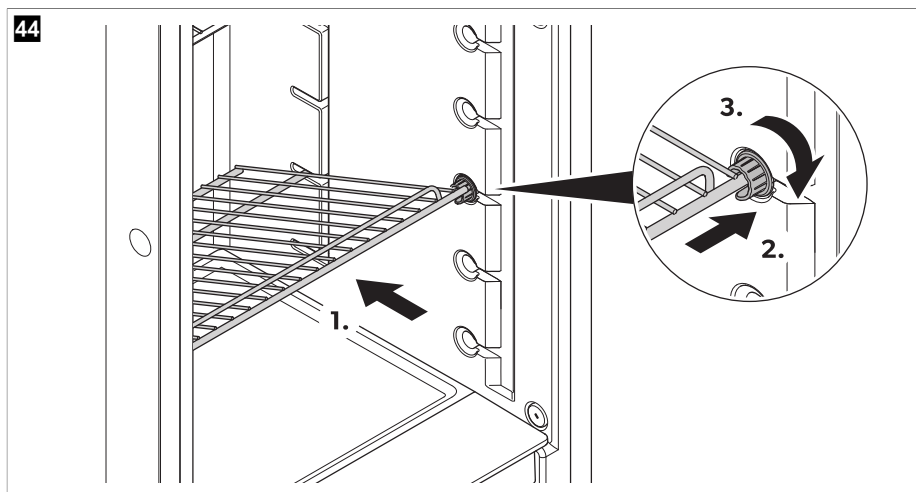
Positioning the shelf at an angle for bottles



NOTICE! Damage hazard

While driving, the shelf in the angled position must **not** be filled.

- > Change the position of the shelf as shown.



3.15 Removing the frozen compartment

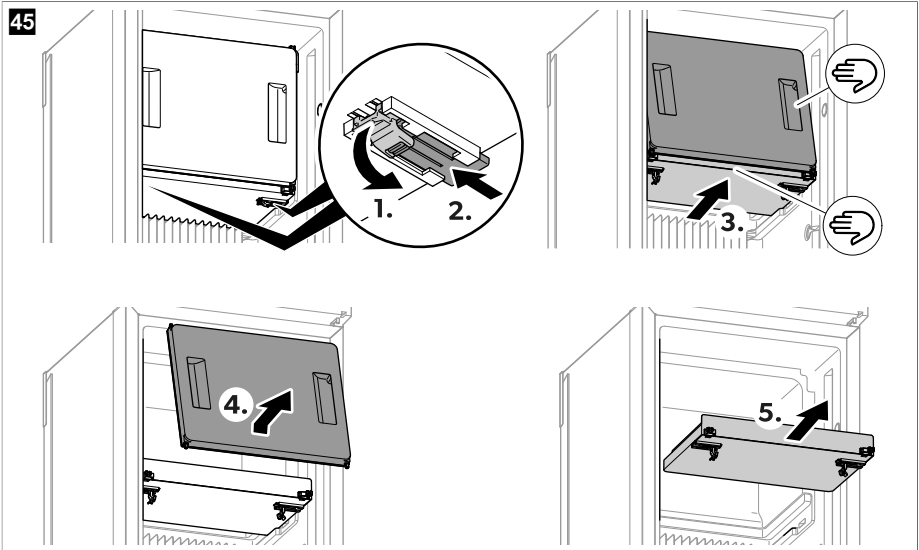
The frozen compartment can be removed to create more space in the refrigerator compartment.



NOTICE! Damage hazard

Store the frozen compartment door and the frozen compartment base in a safe place.

- > Remove the frozen compartment as shown.



- > Re-install the frozen compartment in the reverse order.

4 Cleaning



WARNING! Electrocuting hazard

Always disconnect the device from the power supply before cleaning and servicing it.



CAUTION! Health hazard

Clean regularly surfaces that can come in contact with food and accessible drainage systems.



NOTICE! Damage hazard

- > Do not use abrasive cleaning agents or hard objects during cleaning.
- > Never use hard or sharp tools to remove ice or to free frozen objects.
- > Ensure that no water drips into the seals. This can damage the electronics.
- > Attach the winter covers of the ventilation grille (accessories) when the vehicle is cleaned from the outside or not used for a prolonged period of time.



NOTE Remove the shelves and the fresh storage compartment if necessary to thoroughly clean the interior of the refrigerator (see chapters Positioning the shelves on page 47 and Removing and inserting the fresh storage compartment on page 100).

- > Clean the interior and exterior of the refrigerator regularly and as soon as it becomes dirty with a damp cloth. Wipe the refrigerator dry with a cloth after cleaning.
- > Check the condensate drain regularly.

Clean the condensate drain when necessary. If it is blocked, the condensate collects on the bottom of the refrigerator.

- > Clean dust and dirt from the condenser regularly with a damp cloth.
- > Check that the ventilation grilles in the outer wall of the recreational vehicle and the roof vent of the refrigerator are always free of dust and dirt. This ensures that the heat generated during operation can be dissipated. If the heat cannot be dissipated via the ventilation grilles, the cooling capacity of the refrigerator will be reduced and the refrigerator may be damaged.
- > Clean the gas burner regularly (see chapter [Cleaning the gas burner](#) on page 74). Dirt in the gas burner is indicated by poor ignition or deflagrations.

The manufacturer recommends cleaning the burner after not being used for a longer period of time and at least once a year. When using liquefied petroleum gas, the cleaning interval is reduced to half yearly or quarterly, depending on the level of dirt.

4.1 Cleaning the gas burner

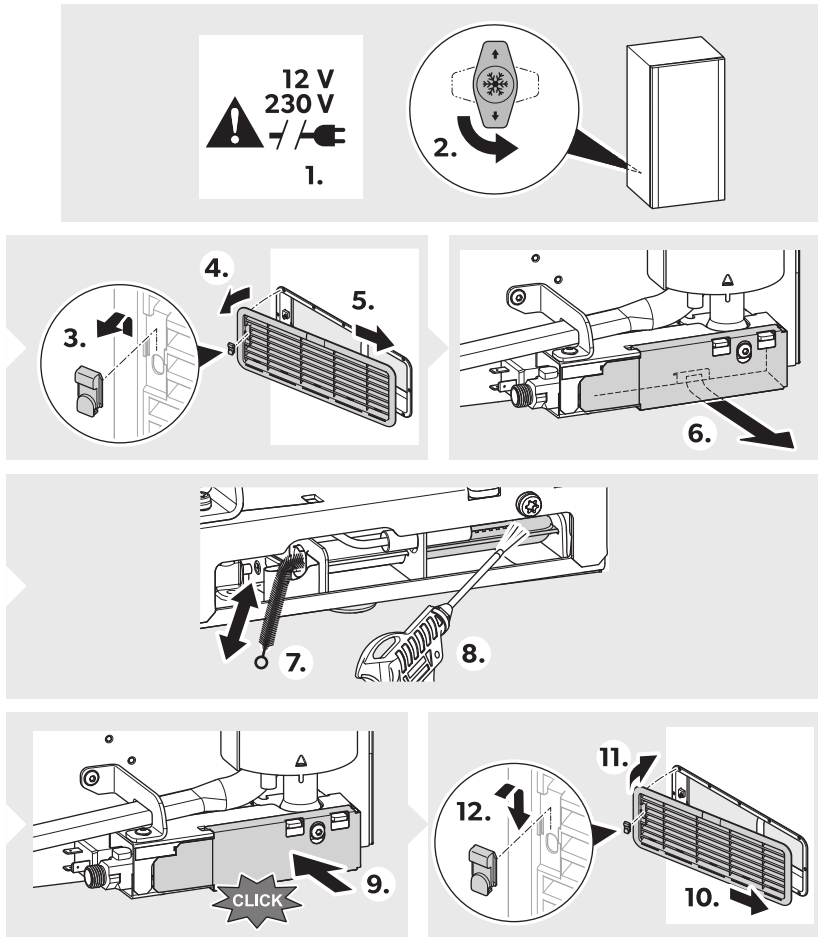


WARNING! Burn hazard

- > Allow the burner to cool down before cleaning it.
- > Do not modify the gas equipment.

- > Clean the gas burner as shown.

46



5 Maintenance



WARNING! Electrocuting hazard

Always disconnect the device from the power supply before cleaning and servicing it.



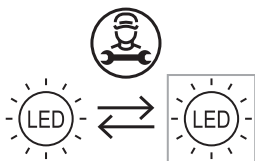
NOTICE! Damage hazard

Attach the winter covers of the ventilation grille (accessories) when the vehicle is cleaned from the outside or not used for a prolonged period of time.



NOTICE! Damage hazard

The light source can only be replaced by the manufacturer, a service agent or a similarly qualified person to avoid hazard.



Work on gas and electrical installations may only be performed by qualified technicians.

- > Have the gas system and connected flues inspected before starting up the device for the first time, and by an authorized professional every two years to ensure they comply with the national safety requirements.
- > Keep a record of any maintenance performed.

5.1 Refrigerant circuit

The refrigerant circuit is maintenance-free.

5.2 Defrosting the refrigerator



CAUTION! Health hazard

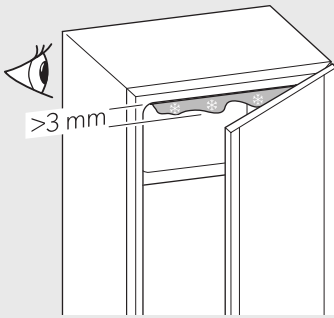
Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.



NOTE Over time, frost will develop on the cooling fins inside the refrigerator. Once the layer of frost is about 3 mm thick, defrost the refrigerator.

> Defrost the refrigerator as shown.

47

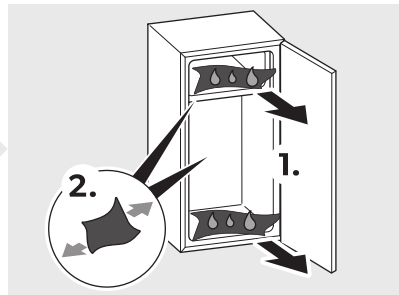
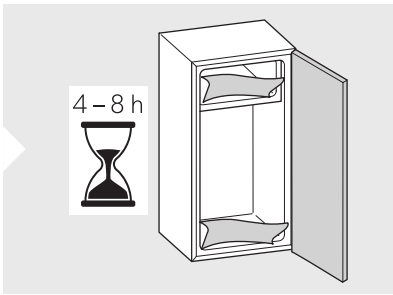
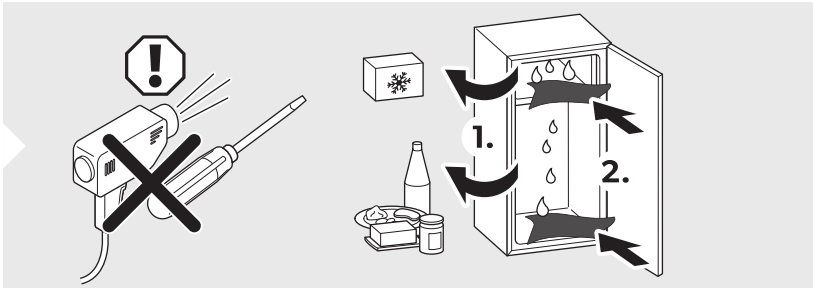


RMS 10.5XP

4 sec



RMS 10.5XT



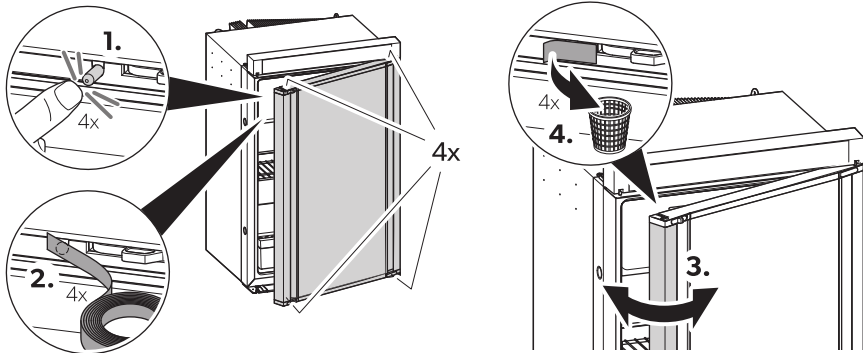
6 Troubleshooting

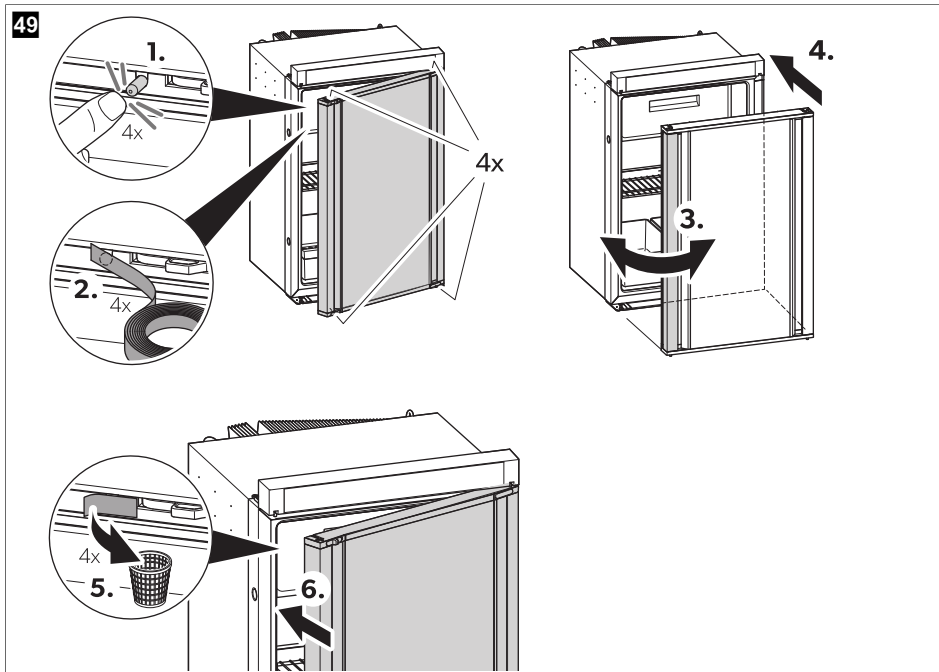


NOTE To safely operate 12 V consumer units in the caravan while driving, it must be ensured that the towing vehicle provides sufficient voltage. On some vehicles, the battery management system may automatically switch off the consumer units to protect the battery. Ask your vehicle manufacturer for more information.

Problem	Possible cause	Suggested remedy
With AC operation: The refrigerator does not work.	The fuse in the AC power supply is defective.	> Replace the fuse.
	The vehicle is not connected to the AC power supply.	> Connect the vehicle to the AC power supply.
	The AC heating element is defective.	> Contact an authorized service agent.
With DC operation: The refrigerator does not work.	The fuse in the DC cable is defective.	> Contact an authorized service agent. The fuse on the relay must be replaced.
	The vehicle fuse has blown.	> Replace the vehicle fuse. (Refer to the operating manual of your vehicle.)
	The vehicle battery is discharged.	> Test the battery and charge it.
	The ignition is not switched on.	> Switch on the ignition.
	The DC heating element is defective.	> Contact an authorized service agent.
With gas operation: The refrigerator does not work.	The gas cylinder is empty.	> Replace the gas cylinder.
	The gas valve is closed.	> Turn the valve to open.
	Air is in the gas line.	> Switch the refrigerator off and on again. Repeat the procedure three or four times if necessary. > If available, switch on the stove and repeat the process with the refrigerator if necessary.
In automatic mode: The refrigerator is being operated with gas although it is connected to the AC power supply.	The mains voltage is too low.	> (No action required) The refrigerator automatically switches back to AC power supply as soon as the mains voltage is sufficient again.
The refrigerator is not adequately cooling.	The ventilation around the cooling unit is not sufficient.	> Check that the ventilation grille is not obstructed.
	The evaporator is iced up.	> Check whether the refrigerator door closes properly. > Ensure that the refrigerator seal fits correctly and is not damaged. > Defrost the refrigerator (see chapter Defrosting the refrigerator on page 53).
	The temperature is set too high.	> Set a lower temperature.
	The ambient temperature is too high.	> Remove the ventilation grille for a while so that warm air can escape quicker.
	Too much food was placed in the refrigerator at once.	> Remove some of the food.

Problem	Possible cause	Suggested remedy
	Too much warm food was placed in the refrigerator at once.	> Remove the warm food and leave it to cool down before putting it in again.
	The refrigerator has not been operating for very long.	> Check the temperature again after four or five hours.
Refrigerator door/frozen compartment door does not close.	The door handle is blocked on the opened side.	> Remove the door handle blockage ( Fig. 48 on page 79).
Refrigerator door/frozen compartment door has completely detached from the device.	The locking pins have been tampered with or are twisted.	> Reinsert the door ( Fig. 49 on page 80).

48



6.1 Fault messages and signal tones

All faults are indicated by a warning symbol, a fault ID and a beep. The beeping lasts for 2 min and is repeated every 30 min until the error has been rectified.

If multiple faults occur, the display shows the last fault. The underlying faults are displayed after the last fault has been confirmed.

RMS10.5XT: Faults are indicated by a fault code with a warning symbol (⚠) in the middle of the TFT display.

RMS10.5XP: In the event of a fault, the LED warning symbol (⚠) in the display lights up continuously and the LEDs flash according to the fault.

WARNING type fault messages

All faults of the WARNING type are reset automatically once the fault has been rectified.

Error message		Fault	Solution
RMS10.5XT	RMS10.5XP		
W01	⚠	Defective temperature sensor in the refrigerator compartment	Contact an authorized service agent.
W05	🔌	AC power not connected or AC voltage ≤ 190 V	Connect the refrigerator to AC power or select a different energy type, e.g. gas or DC power.

Error message		Fault	Solution
RMS10.5XT	RMS10.5XP		
W06		DC power not connected	Connect the refrigerator to DC power or select a different energy type, e.g. gas or AC power.
W11	 	DC overvoltage ($\geq 16\text{ V}$)	Contact an authorized service agent.
		Tank stop mode: Gas operation is blocked for 15 min	Wait 15 min. or switch to another operating mode.
	Beep	The door is opened for more than 2 min.	Close the door.
W10			
+ beep			

ERROR type fault messages

All faults of the ERROR type must be reset manually:

- > RMS10.5XT: Press the control knob for 2 s.
- > RMS10.5XP: Press the  for 2 s.
- ✓ A beep sounds. The error has been reset.

Error message		Fault	Solution
RMS10.5XT	RMS10.5XP		
E03		No connection between power module and display	Contact an authorized service agent.
E07	 	No cooling capacity in gas mode	- Check if the device is at an angle and adjust it if necessary. - Reset the error. - Contact an authorized service agent if this error occurs again.
E08	 	No cooling power in AC mode	- Check if the device is at an angle and adjust it if necessary. - Reset the error. - Contact an authorized service agent if this error occurs again.
E09	 	No cooling power in DC mode	- Check if the device is at an angle and adjust it if necessary. - Reset the error. - Contact an authorized service agent if this error occurs again.
E12	 	Gas valve test error	Gas operation is not possible. - Reset the error. - Contact an authorized service agent if this error occurs again.

Error message		Fault	Solution
RMS10.5XT	RMS10.5XP		
E13	 	Internal communication error	Gas operation is not possible. - Reset the error. - Contact an authorized service agent if this error occurs again.
E14	 	In stand-alone gas mode: The state of charge of the battery packs is too low	Insert new batteries (see chapter Inserting or replacing batteries on page 63) and then reset the error.
E50		Gas lock after 3 ignition attempts	Ignition is not possible. - The gas cylinder is empty. Exchange the gas cylinder. - Reset the error.
E51	 	Gas lock, internal error in the power module	- Reset the error. - Contact an authorized service agent if this error occurs again.
E52	 	Ground contact, gas valve	- Reset the error. - Contact an authorized service agent if this error occurs again.
E53	 	Ground contact, ignition electrode	- Reset the error. - Contact an authorized service agent if this error occurs again.

7 Technical data

For the current EU declaration of conformity for your device please refer to the respective product page on dometic.com or contact the manufacturer directly (see dometic.com/dealer).

	RMS10.5XT, RMS10.5XP
Connection voltage	230 V ~/50 Hz 12 V ==
Capacity:	
Gross capacity	92 L
Refrigerator compartment	80.3 L
Frozen compartment	12.1 L
Total net capacity	90 L
Power consumption	135 W (230 V ~) 130 W (12 V ==)
Energy consumption	3.2 kWh/ 24 h (230 V ~)

	RMS10.5XT, RMS10.5XP
Gas consumption	270 g/ 24 h
Climate class	SN
Dimensions (HxWxD)	821 × 523 × 603 mm
Weight	29 kg
Maximum weight per door shelf	3 kg
Maximum weight per door	7,5 kg
Inspection/certification	

Compressor refrigerators

1	Safety instructions.....	84
2	Intended use.....	86

1 Safety instructions

1.1 General safety



DANGER! Electrocutation hazard

Do not touch exposed cables with your bare hands. This applies especially when operating the device from the AC mains.



WARNING! Electrocutation hazard

- > This device may only be repaired by qualified personnel. Inadequate repairs can lead to considerable hazards. Contact an authorized service center in case of repair.
- > If the power cable for this device is damaged, it must be replaced by the manufacturer, customer service or a similarly qualified person in order to prevent safety hazards.
- > If the power cable for this device is damaged, it must be replaced with a suitable power cable or assembly available from the manufacturer or its service agent to prevent safety hazards.
- > Plug the device to sockets that ensure proper connection especially when the device needs to be grounded.
- > On boats: If the device is powered by the mains, ensure that the power supply has a residual current device (RCD), a residual current circuit breaker (RCCB), or a ground fault circuit interrupter (GFCI). Installation, especially in potentially damp areas, must be in accordance with all applicable installation regulations.



WARNING! Fire hazard

- > For devices with flammable refrigerant: The refrigeration circuit contains a small quantity of an environmentally friendly but flammable refrigerant. It does not damage the ozone layer and does not increase the greenhouse effect. Any leaking refrigerant may ignite.
- > The refrigerant in the refrigerant circuit is highly flammable and in the event of a leakage combustible gases could build up if the device is in a small room. In the event of any damage to the refrigerant circuit:
 - Keep naked flames and potential ignition sources away from the device.
 - Ventilate the room well.
 - Switch off the device.
- > Do not use or store refrigerant in enclosed spaces with none or minimal air flow.



WARNING! Health hazard

- > This device can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the device in a safe way and understand the hazards involved.
- > Children aged from 3 to 8 years are allowed to load and unload the device.
- > Cleaning and user maintenance shall not be made by children without supervision.
- > Children must be supervised to ensure that they do not play with the device.

**WARNING! Risk of child entrapment**

- > Ensure that the shelves are mounted and secured in such a way that children cannot climb into the device or lock themselves inside. Only remove the shelves for cleaning purposes.
- > Before disposing of your old device:
 - Dismantle the drawers.
 - Leave the shelves in the device so that children cannot climb inside.
 - Take off the doors.

**CAUTION! Risk of injury**

Do not put your fingers into the hinge.

**NOTICE! Damage hazard**

- > The device shall not be exposed to rain.
- > Do not lean on the open device door.
- > Protect the device and the cable(s) against heat and moisture.
- > Never pull the plug out of the socket by the cable.

1.2 Safety when operating the device

**WARNING! Electrocuting hazard**

- > Do not use the device if the device itself or its connection cables are visibly damaged.
- > Before starting the device, ensure that the power supply cable and plug are dry, and that the plug is free of rust and dirt.

**WARNING! Explosion hazard**

Do not store any explosive substances, such as aerosol cans with propellants, in the device.

**CAUTION! Health hazard**

- > Keep ventilation openings, on the device and in its enclosure or in the built-in structure, clear of obstruction.
- > Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- > Do not open or damage the refrigerant circuit under any circumstances.
- > Do not use electrical devices inside the device unless they are recommended by the manufacturer for that purpose.
- > If the device is left empty for long periods:
 - Switch off the device.
 - Defrost the device.
 - Clean and dry the device.
 - Leave the door(s) open to prevent mold developing within the device. If available, put the door(s) into the storage position.

**CAUTION! Risk of injury**

- > Do not use or store flammable materials in or near this device.
- > Do not place any objects on or against this device.
- > Do not modify or adapt any of the components in any way.
- > Close and latch the device door before beginning a journey.

- > The cooling system at the back of the device becomes very hot during operation. If the device is equipped with ventilation grilles, protect yourself from contact with hot parts when removing the ventilation grilles.



NOTICE! Damage hazard

- > Only select operation with DC power supply if the vehicle engine is running and providing sufficient voltage, or if you are using a battery monitor.
- > If present, keep the condensate drain clean at all times.
- > If the device has ventilation grilles, do not use a high-pressure cleaner near the ventilation grille when cleaning the vehicle.
- > **Danger of overheating!** Always ensure sufficient ventilation so that the heat generated during operation can dissipate. Ensure that the device is sufficiently far away from walls and other objects so that the air can circulate.
- > Do not fill the interior with ice or fluid.



NOTE If the battery management system of your vehicle shuts down the device to protect the battery, contact your vehicle manufacturer.

2 Intended use

The refrigerator is intended for:

- Installation in motor homes and caravans
- Cooling, deep-freezing and storing food

The refrigerator is **not** suitable for:

- Storing medications
- Storing corrosive substances or substances that contain solvents
- Quick-freezing food

This refrigerator is **not** intended for commercial, retail or household applications.

The frozen compartment is suitable for storing pre-frozen food, storing or making ice cream and making ice cubes. It is **not** suitable for freezing previously unfrozen food.

The refrigerator is intended for installation in a piece of cabinetry or an installation niche.

Optimum cooling performance is provided at ambient temperatures between 16 ... 43°C and at a maximum humidity of 90 %.

Compressor refrigerator RCL10.4ET, RCS10.5XT

1	Technical description.....	87
2	Operation.....	88
3	Cleaning.....	100
4	Maintenance.....	102
5	Troubleshooting.....	103
6	Technical data.....	105

1 Technical description

The refrigerator is a compressor refrigerator and is designed for operation:

- On a 12 V DC power supply.
- On an AC power supply.

1.1 Control and display elements

RCL10.4ET, RCS10.5XT

The **TFT display** features the following operating and display elements:

Symbol	Description	
	Temperature setting indicator	
	Blue snowflake: compressor is running	
	White snowflake: compressor is not running	
	Operating with DC power	
	Warning indication with error code	
		PERFORMANCE • All thermostat settings selectable • Compressor operates in high rpm mode • External ventilation fan operates in high rpm mode
		QUIET • Thermostat settings 1, 2 and 3 are selectable • Compressor operates in low rpm mode • External ventilation fan operates in low rpm mode
		BOOST • Thermostat settings fixed on maximum • Compressor operates in high rpm mode • External ventilation fan operates in high rpm mode
		Frame heater: Symbol lights up when the frame heater is operating. The frame heater of the frozen compartment reduces condensation.
		Symbol lights up when the refrigerator is connected to the CI bus.

Symbol	Description
	Symbol lights up when child lock is enabled: • Push the rotary button 3 times within 1.5 s to unlock the controls. • After 10 s of inactivity the controls will lock again automatically.
	Beep off: Error messages, warning messages and door left open for an extended period are not signaled acoustically.
	Beep on: Error messages, warning messages and door left open for an extended period are signaled acoustically.
	Confirm selection and return to the main menu.

2 Operation

2.1 Before first use



NOTE

- Do not store goods in the refrigerator for the first 4 h after start-up.
- When using the refrigerator for the first time, there may be a mild odor which will disappear after a few hours. Air out the living space well.
- The cooling capacity can be affected by:
 - The ambient temperature (e.g. when the vehicle is exposed to direct sunlight)
 - The amount of food to be refrigerated
 - How often the door is opened

> Clean the inside of the refrigerator for hygienic reasons (see chapter [Cleaning](#) on page 100).

2.2 Tips for optimal refrigerator operation

- Protect the interior of the vehicle from warming up excessively (e.g. sunshades in the windows, air conditioner).
- Protect the refrigerator from direct sunlight (e.g. sunshades in the windows).

2.3 Information on storing food



CAUTION! Health hazard

- > If the refrigerator is exposed to an ambient temperature below 10°C for an extended period of time, regulation of the frozen compartment temperature can no longer be guaranteed. That may cause the temperature of the frozen compartment to increase and the stored goods to be defrosted.
- > Ensure that foodstuffs do not touch the walls of the cooling area.
- > Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with and cannot drip onto other food.

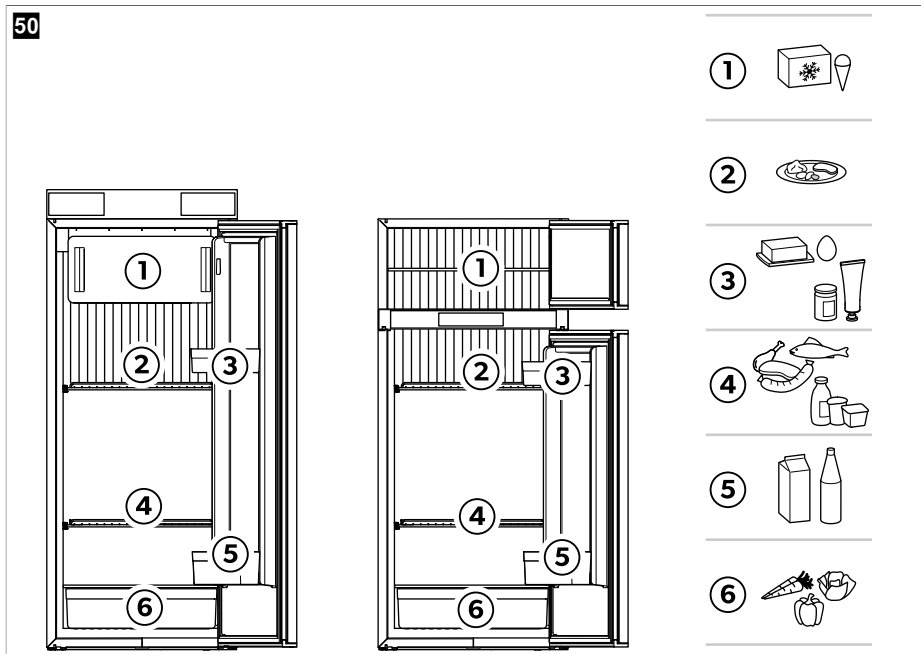


NOTICE! Damage hazard

- > Store heavy objects such as bottles or cans only in the refrigerator door, in the vegetable compartment or on the bottom shelf. Observe the maximum load per door shelf and door when filling the refrigerator (see chapter [Technical data](#) on page 105).
- > Do not keep carbonated drinks in the frozen compartment.

To avoid food waste, note the following:

- Keep temperature fluctuation as low as possible. Only open the refrigerator as often and for as long as necessary to avoid a significant increase of the temperature in the compartments of the refrigerator. Store the foodstuff in such a way that the air can still circulate well.
 - Check if the cooling capacity of the refrigerator is suitable for the food you want to cool.
 - Ensure to put only items in the refrigerator which may be chilled at the selected temperature.
 - If the temperature can be adjusted: Adjust the temperature to the quantity and type of the foodstuff.
 - Store the different foodstuff types as shown in the figures.
 - Foodstuff can easily absorb or release odor or taste. Always store foodstuff covered or in closed containers/ bottles.
- > Store food as shown ( Fig. 50 on page 89).



2.3.1 Using the fresh storage compartment

(RCL10.4ET)



NOTICE! Damage hazard

Observe the maximum load capacity of the fresh storage compartment (see chapter Technical data on page 59).

- > Use the slider to regulate the humidity in the fresh storage compartment:

Goods to be cooled		Optimal humidity		Slider position
Vegetables		Fast		Close the slider.
Fruit		Low		Open the slider.

2.4 Saving energy

- Only open the refrigerator as often and for as long as necessary.
- Allow warm food to cool down first before placing it in the device to keep cool.
- Defrost the refrigerator as soon as a layer of ice forms (see chapter Defrosting the refrigerator on page 101).
- Avoid unnecessarily low temperature settings.
- For optimal energy consumption, position the shelves and drawers according to their position on delivery.
- On a regularly basis, make sure the door seal still fits properly.
- Clean dust and dirt from the condenser at regular intervals.

2.5 Switching on the refrigerator

- > **RCL10.4ET, RCS10.5XT:** Press the control knob for 2 s.
- ✓ The refrigerator starts with the last selected settings.

2.6 Switching off the refrigerator

- > **RCL10.4ET, RCS10.5XT:** Press the control knob for 4 s.
- ✓ A beep sounds and the refrigerator switches off.

2.7 Operating modes

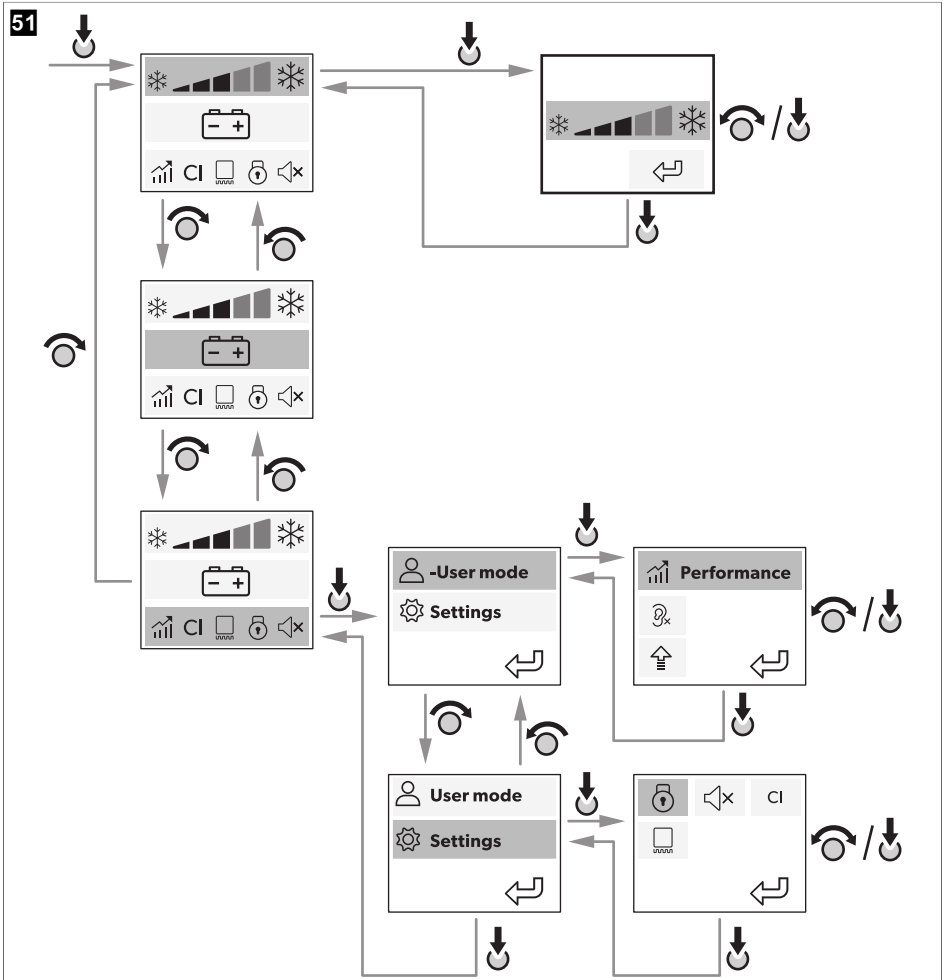


NOTE When setting the QUIET mode or BOOST mode, the refrigerator returns after 8 h automatically to PERFORMANCE mode, using the same configuration as set before changing to QUIET or BOOST mode.

Symbol	Explanation
	PERFORMANCE mode • Standard mode • Selection of all temperature levels (1 to 5)
	QUIET mode • Decreased fan and compressor speed with reduced noise, e.g. if the user wants to relax or sleep • Selection of three temperature levels (1 to 3)
	BOOST mode • Maximum performance, e.g. for an immediate cool down or after a larger amount of un-cooled foodstuff has been put in the refrigerator • No selection of temperature levels

2.8 Making settings

RCL10.4ET, RCS10.5XT



1. Press the control knob to activate the TFT display.
2. Turn the control knob to select the desired detail menu.
3. Press the control knob to open the selected detail menu.
4. Turn the control knob to navigate through the detail menu.
✓ Selected settings are displayed in blue.
5. Press the control knob to choose the selected setting.
6. Confirm the selection with .

2.9 Using the refrigerator door(s)



CAUTION! Risk of injury

The device door(s) can completely detach from the device if used incorrectly. Push the door(s) closed until you hear a clear click at the door latches.



NOTICE! Damage hazard

- > Do not open the door further than an angle of 90°.
- > Do not lean on the open device door.

2.9.1 Closing and locking the refrigerator door(s)

(RCL10.4ET, RCS10.5XT)



NOTE If the door is not locked correctly on the opposite side, push on that side at the top and bottom until it locks in place.

- > Press the door shut until you hear it clearly click at the top and bottom.
- ✓ The door is now closed and secured.

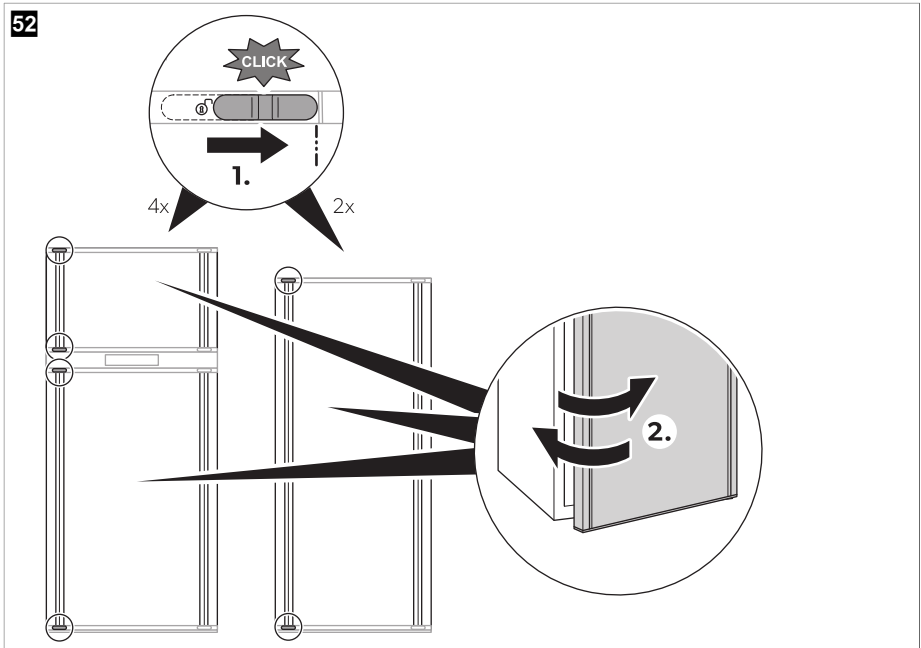
2.9.2 Releasing the refrigerator door(s)

(RCL10.4ET, RCS10.5XT)

- > Release the refrigerator door as shown.



NOTE The refrigerator door is easy to open and close but will not be secured when closed.

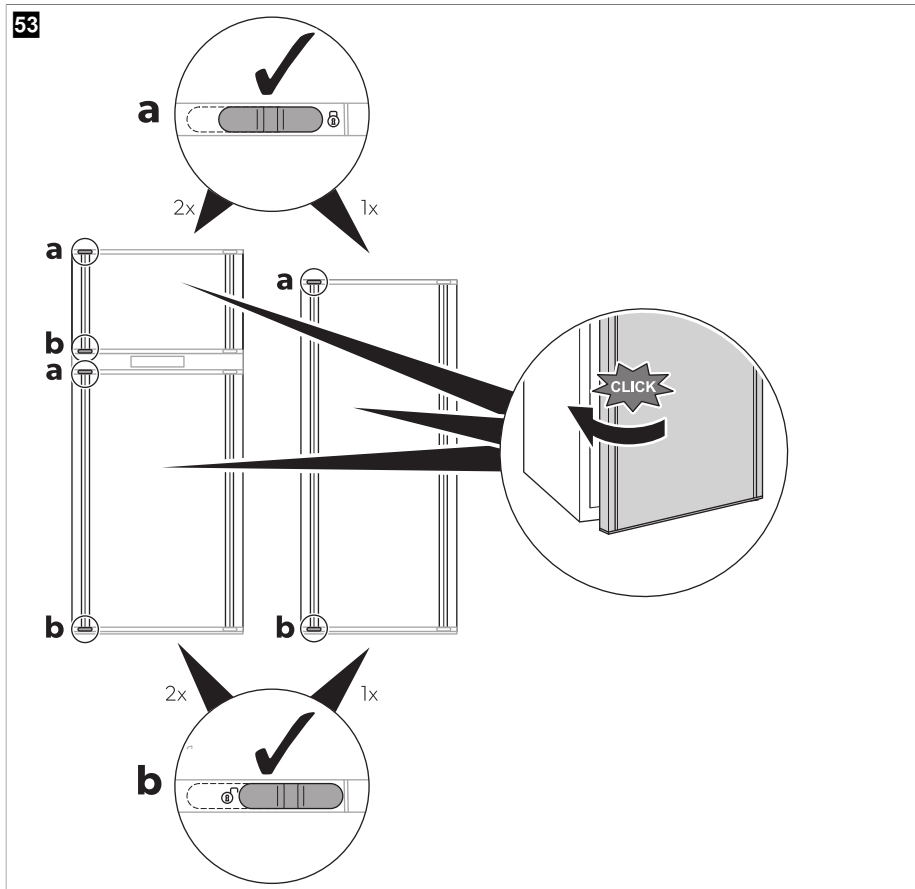


2.9.3 Securing the refrigerator door(s)

(RCL10.4ET, RCS10.5XT)

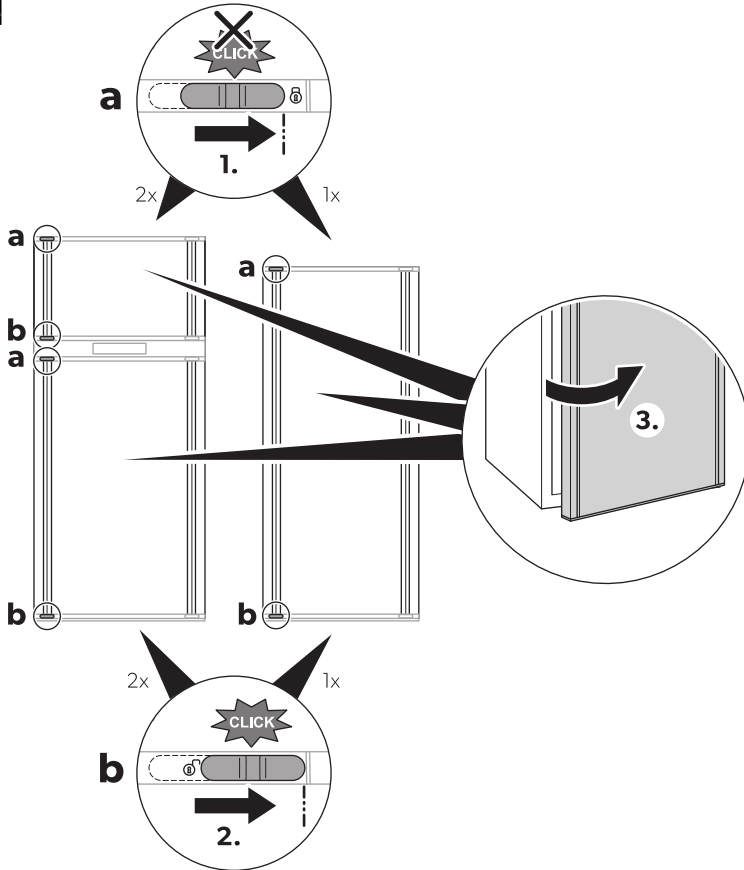
Securing the refrigerator door at the top automatically

- > Release and open the refrigerator door as shown.



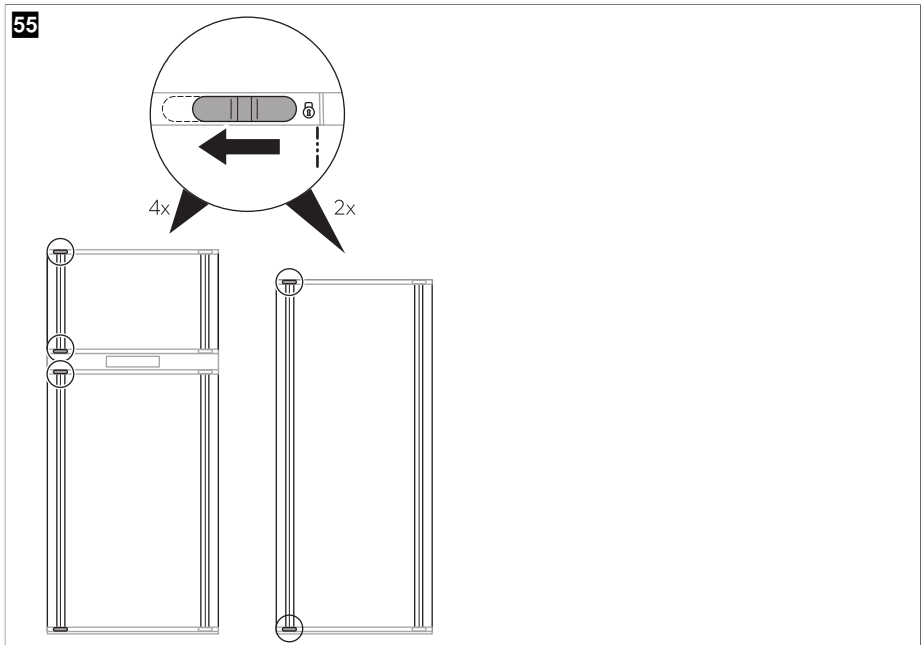
- ✓ The refrigerator door is automatically secured at the top after closing.

54



Securing the refrigerator door before driving off

- > Secure the refrigerator door as shown.



2.9.4 Positioning the refrigerator door into storage position



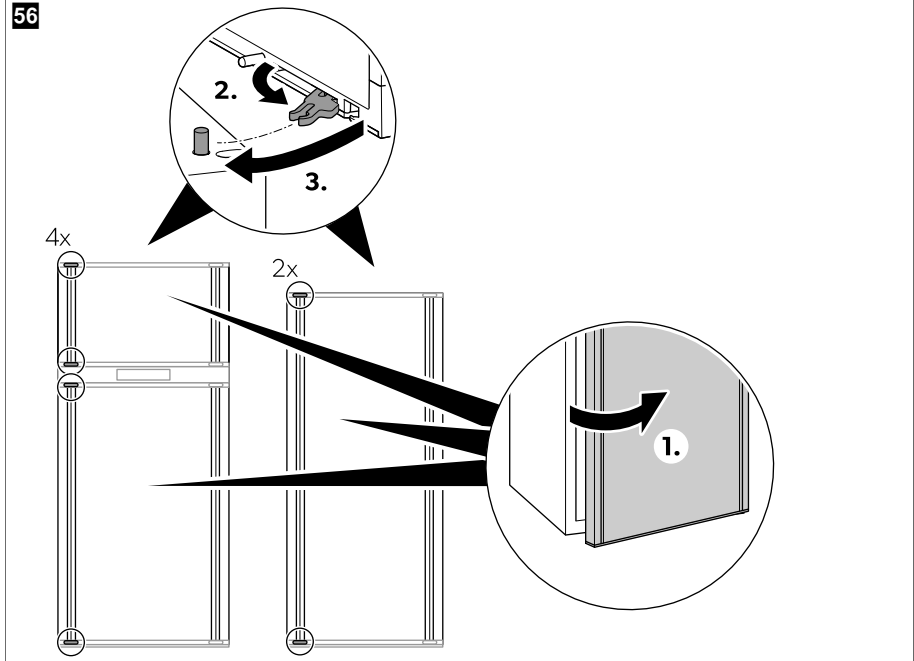
CAUTION! Risk of injury

The storage position may **not** be used while driving.

Put the refrigerator door(s) into the storage position if you are not going to use the refrigerator for an extended period of time. This prevents mold from forming.

1. Defrost the refrigerator (see chapter Defrosting the refrigerator on page 101).
2. Turn the hook near the securing mechanism all the way at the top and bottom of one side of the door.

56



3. Press against the refrigerator door.
- ✓ The protruding pin snaps into the hook.

Opening the door when in storage mode

1. Pull the door toward you.
2. Push in the protruding hooks at the top and bottom of the door.

2.10 Positioning the shelves

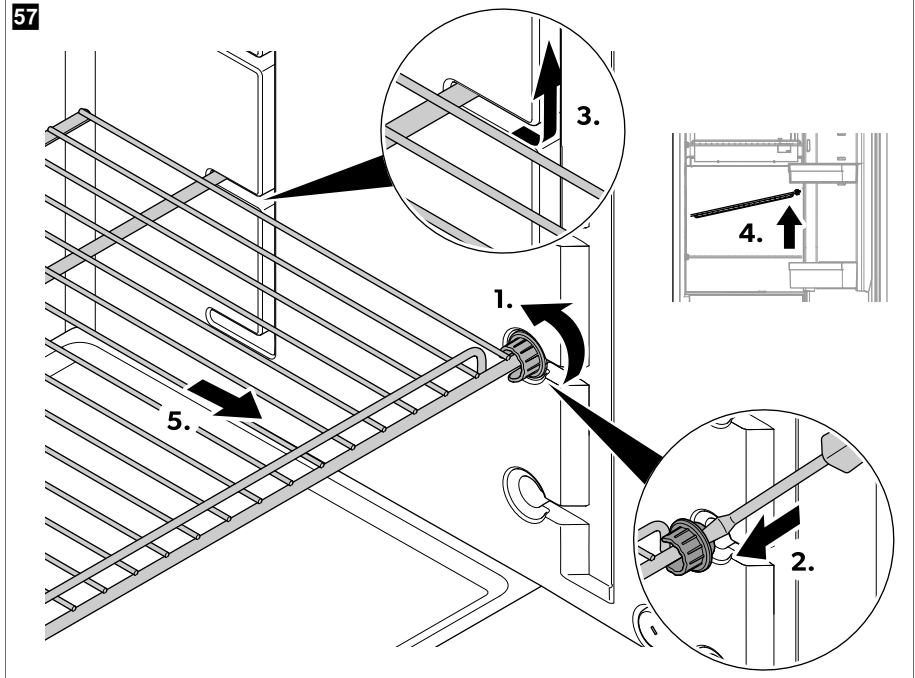


WARNING! Risk of child entrapment

Ensure that the shelves are mounted and secured in such a way that children cannot climb into the device or lock themselves inside. Only remove the shelves for cleaning purposes.

1. Remove the shelf as shown.

57



2. Re-install the shelf in the reverse order.

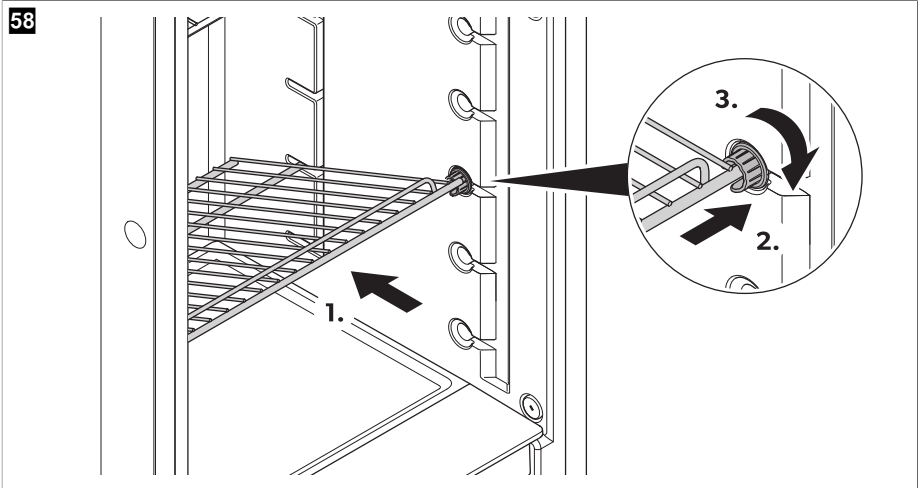
Positioning the shelf at an angle for bottles



NOTICE! Damage hazard

While driving, the shelf in the angled position must **not** be filled.

- > Change the position of the shelf as shown.



2.11 Removing the frozen compartment

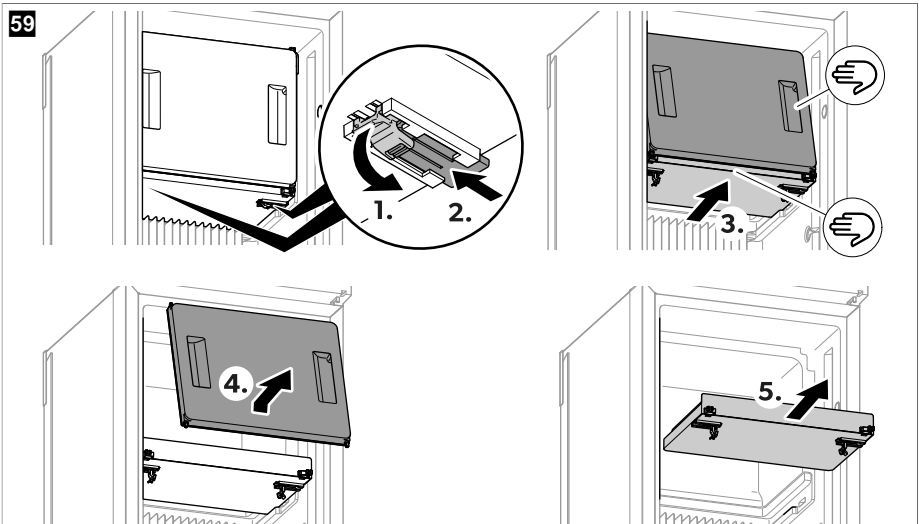
The frozen compartment can be removed to create more space in the refrigerator compartment.



NOTICE! Damage hazard

Store the frozen compartment door and the frozen compartment base in a safe place.

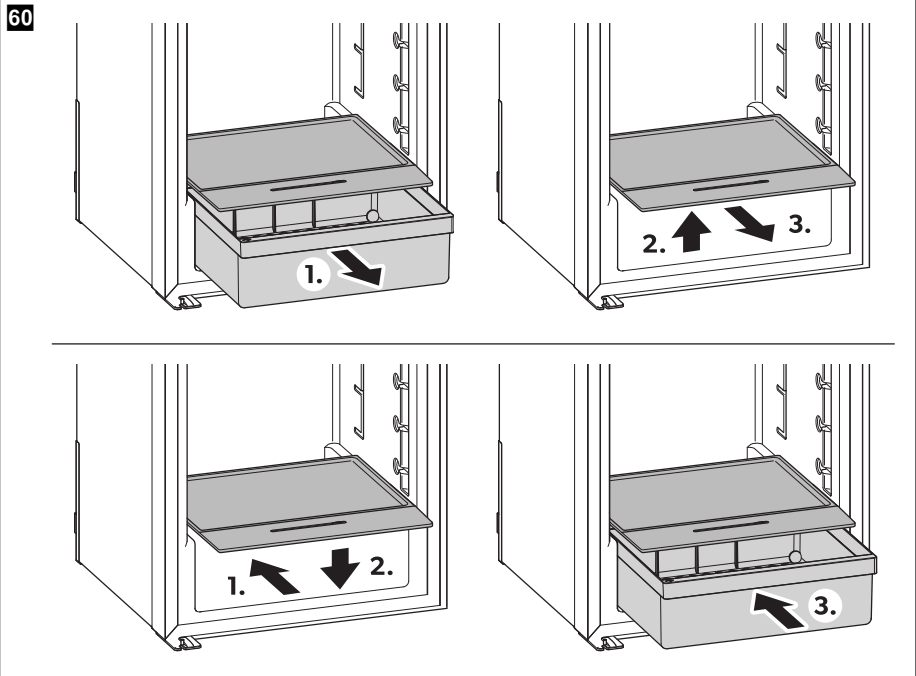
- > Remove the frozen compartment as shown.



- > Re-install the frozen compartment in the reverse order.

2.12 Removing and inserting the fresh storage compartment

- > Remove and insert the fresh storage compartment as shown.



3 Cleaning



WARNING! Electrocuting hazard

Always disconnect the device from the power supply before cleaning and servicing it.



CAUTION! Health hazard

Clean regularly surfaces that can come in contact with food and accessible drainage systems.



NOTICE! Damage hazard

- > Do not use abrasive cleaning agents or hard objects during cleaning.
- > Never use hard or sharp tools to remove ice or to free frozen objects.
- > Ensure that no water drips into the seals. This can damage the electronics.
- > Attach the winter covers of the ventilation grille (accessories) when the vehicle is cleaned from the outside or not used for a prolonged period of time.



NOTE Remove the shelves and the fresh storage compartment if necessary to thoroughly clean the interior of the refrigerator (see chapters [Positioning the shelves on page 47](#) and [Removing and inserting the fresh storage compartment on page 100](#)).

- > Clean the interior and exterior of the refrigerator regularly and as soon as it becomes dirty with a damp cloth. Wipe the refrigerator dry with a cloth after cleaning.
- > Check the condensate drain regularly.
Clean the condensate drain when necessary. If it is blocked, the condensate collects on the bottom of the refrigerator.
- > Clean dust and dirt from the condenser regularly with a damp cloth.
- > Check that the ventilation grilles in the outer wall of the recreational vehicle and the roof vent of the refrigerator are always free of dust and dirt. This ensures that the heat generated during operation can be dissipated. If the heat cannot be dissipated via the ventilation grilles, the cooling capacity of the refrigerator will be reduced and the refrigerator may be damaged.
- > Clean the gas burner regularly (see chapter [Cleaning the gas burner on page 74](#)). Dirt in the gas burner is indicated by poor ignition or deflagrations.

The manufacturer recommends cleaning the burner after not being used for a longer period of time and at least once a year. When using liquefied petroleum gas, the cleaning interval is reduced to half yearly or quarterly, depending on the level of dirt.

3.1 Defrosting the refrigerator



CAUTION! Health hazard

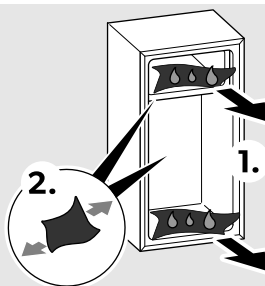
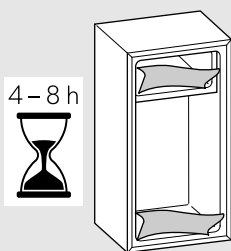
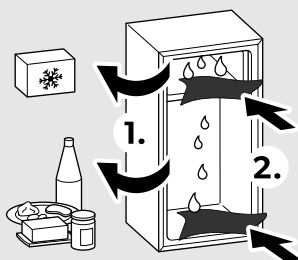
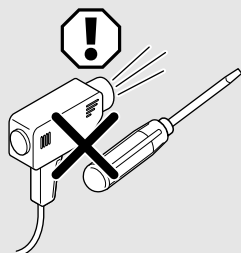
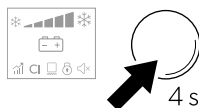
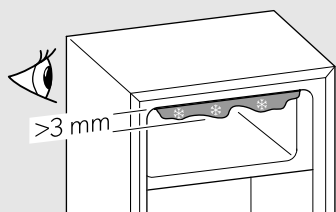
Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.



NOTE Over time, frost will develop on the cooling fins inside the refrigerator. Once the layer of frost is about 3 mm thick, defrost the refrigerator.

> Defrost the refrigerator as shown.

61



4 Maintenance



WARNING! Electrocutation hazard

Always disconnect the device from the power supply before cleaning and servicing it.

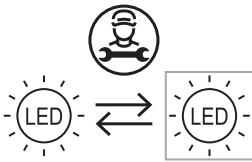


NOTICE! Damage hazard

Attach the winter covers of the ventilation grille (accessories) when the vehicle is cleaned from the outside or not used for a prolonged period of time.

**NOTICE! Damage hazard**

The light source can only be replaced by the manufacturer, a service agent or a similarly qualified person to avoid hazard.



Work on gas and electrical installations may only be performed by qualified technicians.

- > Have the gas system and connected flues inspected before starting up the device for the first time, and by an authorized professional every two years to ensure they comply with the national safety requirements.
- > Keep a record of any maintenance performed.

4.1 Refrigerant circuit

The refrigerant circuit is maintenance-free.

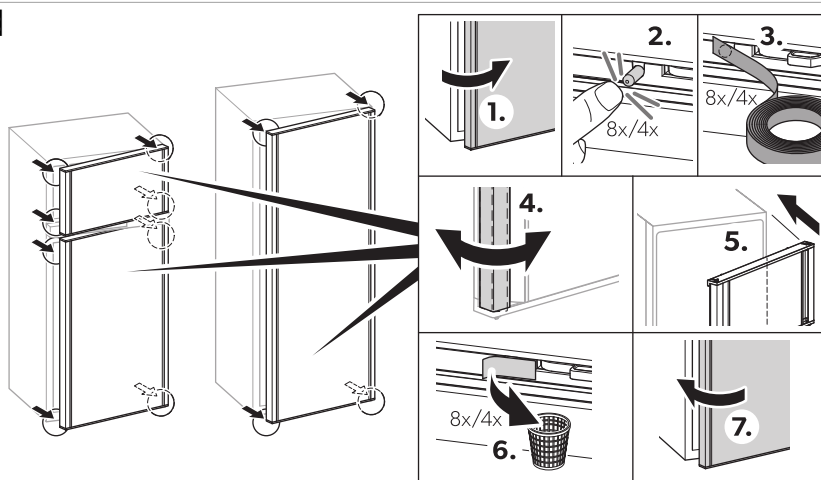
5 Troubleshooting



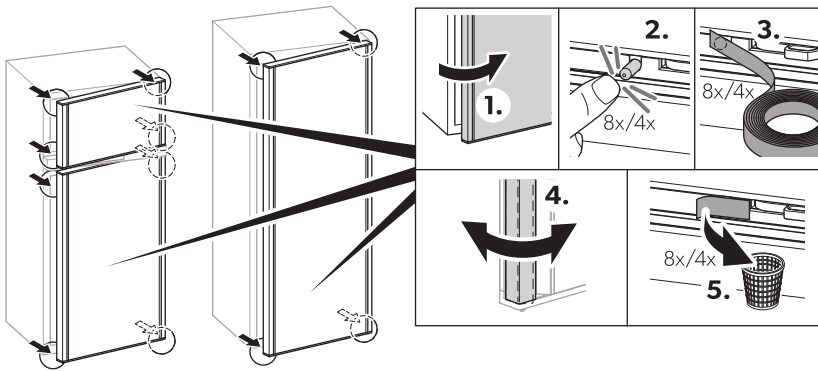
NOTE To safely operate 12 V consumer units in the caravan while driving, it must be ensured that the towing vehicle provides sufficient voltage. On some vehicles, the battery management system may automatically switch off the consumer units to protect the battery. Ask your vehicle manufacturer for more information.

Problem	Possible cause	Suggested remedy
With AC operation: The refrigerator does not work.	The fuse in the AC power supply is defective.	> Replace the fuse.
	The vehicle is not connected to the AC power supply.	> Connect the vehicle to the AC power supply.
	The AC heating element is defective.	> Contact an authorized service agent.
With DC operation: The refrigerator does not work.	The fuse in the DC cable is defective.	> Contact an authorized service agent. The fuse on the relay must be replaced.
	The vehicle fuse has blown.	> Replace the vehicle fuse. (Refer to the operating manual of your vehicle.)
	The vehicle battery is discharged.	> Test the battery and charge it.
	The ignition is not switched on.	> Switch on the ignition.
	The DC heating element is defective.	> Contact an authorized service agent.

Problem	Possible cause	Suggested remedy
The refrigerator is not adequately cooling.	The ventilation around the cooling unit is not sufficient.	> Check that the ventilation grille is not obstructed.
	The evaporator is iced up.	> Check whether the refrigerator door closes properly. > Ensure that the refrigerator seal fits correctly and is not damaged. > Defrost the refrigerator (see chapter Defrosting the refrigerator on page 53).
	The temperature is set too high.	> Set a lower temperature.
	The ambient temperature is too high.	> Remove the ventilation grille for a while so that warm air can escape quicker.
	Too much food was placed in the refrigerator at once.	> Remove some of the food.
	Too much warm food was placed in the refrigerator at once.	> Remove the warm food and leave it to cool down before putting it in again.
	The refrigerator has not been operating for very long.	> Check the temperature again after four or five hours.
Refrigerator door/frozen compartment door does not close.	The door handle is blocked on the opened side.	> Remove the door handle blockage ( Fig. 62 on page 104).
Refrigerator door/frozen compartment door has completely detached from the device.	The locking pins have been tampered with or are twisted.	> Reinsert the door ( Fig. 63 on page 105).

62


63



5.1 Error and warning indication

Faults are indicated by a warning symbol, a fault code and a beep (audio alarm). The beeping lasts for 2 min and is repeated every 30 min until the error has been rectified.

RCL10.4ET, RCS10.5XT

If multiple faults occur, the fault codes scroll over in the middle of the display.

WARNING type fault messages: All faults of the WARNING (W) type are reset automatically once the fault has been rectified.

ERROR type fault messages: All faults of the ERROR (E) type must be reset manually:

- > Press the control knob for 2 s.
- ✓ A beep sounds. The error has been reset.

Code	Audio alarm	Fault	Solution
W02	No	Defective temperature sensor in the refrigerator compartment	• Contact an authorized service agent.
W04	No	CI bus fault	Resets automatically.
W10	Yes	Door open for more than 2 min	• Close the door.
W11	Yes	DC voltage < 7.5 V	Resets automatically.
W19	Yes	DC voltage < 10.9 V	Resets automatically.
E03	Yes	Communication error	• Press the control knob for at least 2 s.
E32	Yes	Outer fan overcurrent	• Press the control knob for at least 2 s.
E33	Yes	Compressor does not start	• Press the control knob for at least 2 s.
E34	Yes	Compressor overload	• Press the control knob for at least 2 s.
E35	Yes	Thermal cut out compressor controller unit	• Press the control knob for at least 2 s.

6 Technical data

For the current EU declaration of conformity for your device please refer to the respective product page on dometic.com or contact the manufacturer directly (see dometic.com/dealer).

Further product information can be accessed via QR code on the energy label or via eprel.ec.europa.eu.

This device complies with UN ECE Regulation R10.

Depending on the model, the refrigerator uses either R134a or R600a as refrigerant. Refer to the data plate for the refrigerant used.

For R134a models applies:

This product contains fluorinated greenhouse gases.

The cooling unit is hermetically sealed.

	RCL10.4ET	RCS10.5XT
Connection voltage	12 V ⁼⁼⁼	12 V ⁼⁼⁼
Capacity:		
Gross capacity	154 L	92 L
Refrigerator compartment	131 L	80.3 L
Frozen compartment	18 L	12.1 L
Total net capacity	149 L	92 L
Excluding frozen compartment:		
Gross capacity	157 L	98 L
Net capacity	152 L	98 L
Power consumption	57 W	5.5 A
Energy consumption	0.54 kWh/ 24 h	0.43 kWh/ 24 h
PERFORMANCE mode	45 Ah / 24 h	35.5 Ah / 24 h
Climate class	ST	
Refrigerant	R600a	R600a
Refrigerant quantity	31 g	23 g
CO ₂ equivalent	0.000 t (0.09 kg)	0.000 t (0.07 kg)
Global warming potential (GWP)	3	3
Noise emission (EN60704):		
PERFORMANCE mode	42 dB(A)	42 dB(A)
QUIET mode	39 dB(A)	38 dB(A)
Dimensions (H x W x D)	1293 × 420 × 595 mm	821 × 523 × 610 mm
Weight	31 kg	25 kg
Maximum weight per door shelf	3 kg	3 kg
Maximum weight per door	7.5 kg	7.5 kg

	RCL10.4ET	RCS10.5XT
Inspection/certification	CE	CE

Compressor refrigerator RCD10.5XET

1

Technical description.....

108

2

Operation.....

109

3

Cleaning.....

118

4

Maintenance.....

120

5

Troubleshooting.....

121

6

Technical data.....

124

1 Technical description

The refrigerator is a compressor refrigerator and is designed for operation:

- On a 12 V DC power supply.
- On an AC power supply.

1.1 Control and display elements

RCD10.5XET

The **TFT display** features the following operating and display elements:

Symbol	Description	
	Temperature setting indicator	
	Blue snowflake: compressor is running	
	White snowflake: compressor is not running	
	Operating with DC power	
	Warning indication with error code	
		PERFORMANCE • All thermostat settings selectable • Compressor operates in high rpm mode • External ventilation fan operates in high rpm mode
		QUIET • Thermostat settings 1, 2 and 3 are selectable • Compressor operates in low rpm mode • External ventilation fan operates in low rpm mode
		BOOST • Thermostat settings fixed on maximum • Compressor operates in high rpm mode • External ventilation fan operates in high rpm mode
		Frame heater: Symbol lights up when the frame heater is operating. The frame heater of the frozen compartment reduces condensation.
	CI	Symbol lights up when the refrigerator is connected to the CI bus.

Symbol	Description
	Symbol lights up when child lock is enabled: • Push the rotary button 3 times within 1.5 s to unlock the controls. • After 10 s of inactivity the controls will lock again automatically.
	Beep off: Error messages, warning messages and door left open for an extended period are not signaled acoustically.
	Beep on: Error messages, warning messages and door left open for an extended period are signaled acoustically.
	Confirm selection and return to the main menu.

2 Operation

2.1 Before first use



NOTE

- Do not store goods in the refrigerator for the first 4 h after start-up.
- When using the refrigerator for the first time, there may be a mild odor which will disappear after a few hours. Air out the living space well.
- The cooling capacity can be affected by:
 - The ambient temperature (e.g. when the vehicle is exposed to direct sunlight)
 - The amount of food to be refrigerated
 - How often the door is opened

> Clean the inside of the refrigerator for hygienic reasons (see chapter [Cleaning](#) on page 118).

2.2 Tips for optimal refrigerator operation

- Protect the interior of the vehicle from warming up excessively (e.g. sunshades in the windows, air conditioner).
- Protect the refrigerator from direct sunlight (e.g. sunshades in the windows).

2.3 Information on storing food



CAUTION! Health hazard

- > If the refrigerator is exposed to an ambient temperature below 10°C for an extended period of time, regulation of the frozen compartment temperature can no longer be guaranteed. That may cause the temperature of the frozen compartment to increase and the stored goods to be defrosted.
- > Ensure that foodstuffs do not touch the walls of the cooling area.
- > Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with and cannot drip onto other food.

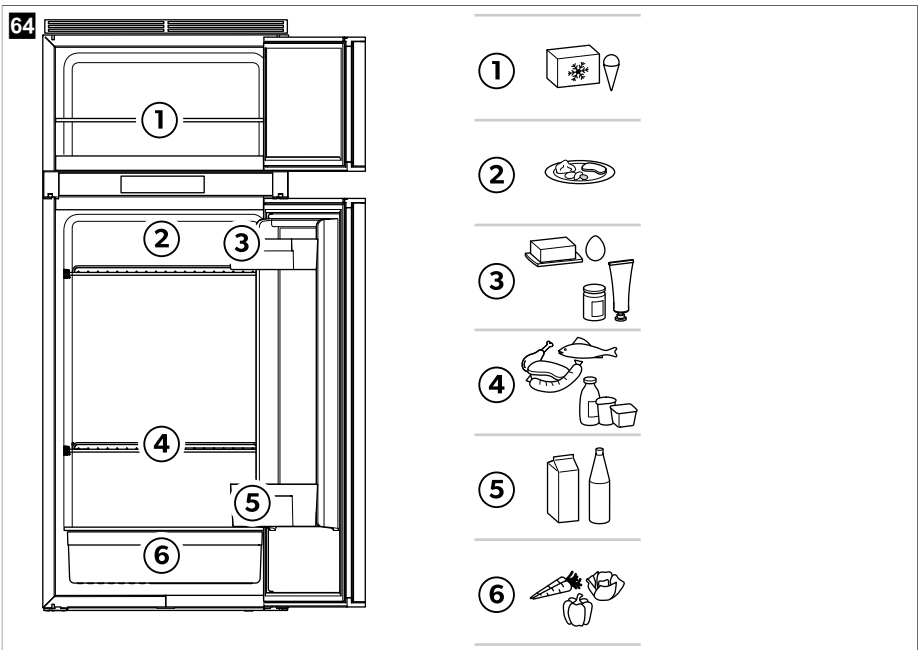


NOTICE! Damage hazard

- > Store heavy objects such as bottles or cans only in the refrigerator door, in the vegetable compartment or on the bottom shelf. Observe the maximum load per door shelf and door when filling the refrigerator (see chapter [Technical data](#) on page 124).
- > Do not keep carbonated drinks in the frozen compartment.

To avoid food waste, note the following:

- Keep temperature fluctuation as low as possible. Only open the refrigerator as often and for as long as necessary to avoid a significant increase of the temperature in the compartments of the refrigerator. Store the foodstuff in such a way that the air can still circulate well.
 - Check if the cooling capacity of the refrigerator is suitable for the food you want to cool.
 - Ensure to put only items in the refrigerator which may be chilled at the selected temperature.
 - If the temperature can be adjusted: Adjust the temperature to the quantity and type of the foodstuff.
 - Store the different foodstuff types as shown in the figures.
 - Foodstuff can easily absorb or release odor or taste. Always store foodstuff covered or in closed containers/ bottles.
- > Store food as shown ( Fig. 64 on page 110).



2.3.1 Using the fresh storage compartment

(RCD10.5XET)



NOTICE! Damage hazard

Observe the maximum load capacity of the fresh storage compartment (see chapter Technical data on page 59).

- > Use the slider to regulate the humidity in the fresh storage compartment:

Goods to be cooled		Optimal humidity		Slider position
Vegetables		Fast		Close the slider.
Fruit		Low		Open the slider.

2.4 Saving energy

- Only open the refrigerator as often and for as long as necessary.
- Allow warm food to cool down first before placing it in the device to keep cool.
- Defrost the refrigerator as soon as a layer of ice forms (see chapter Defrosting the refrigerator on page 119).
- Avoid unnecessarily low temperature settings.
- For optimal energy consumption, position the shelves and drawers according to their position on delivery.
- On a regularly basis, make sure the door seal still fits properly.
- Clean dust and dirt from the condenser at regular intervals.

2.5 Switching on the refrigerator

- **RCD10.5XET:** Press the control knob for 2 s.
- ✓ The refrigerator starts with the last selected settings.

2.6 Switching off the refrigerator

- **RCD10.5XET:** Press the control knob for 4 s.
- ✓ A beep sounds and the refrigerator switches off.

2.7 Operating modes

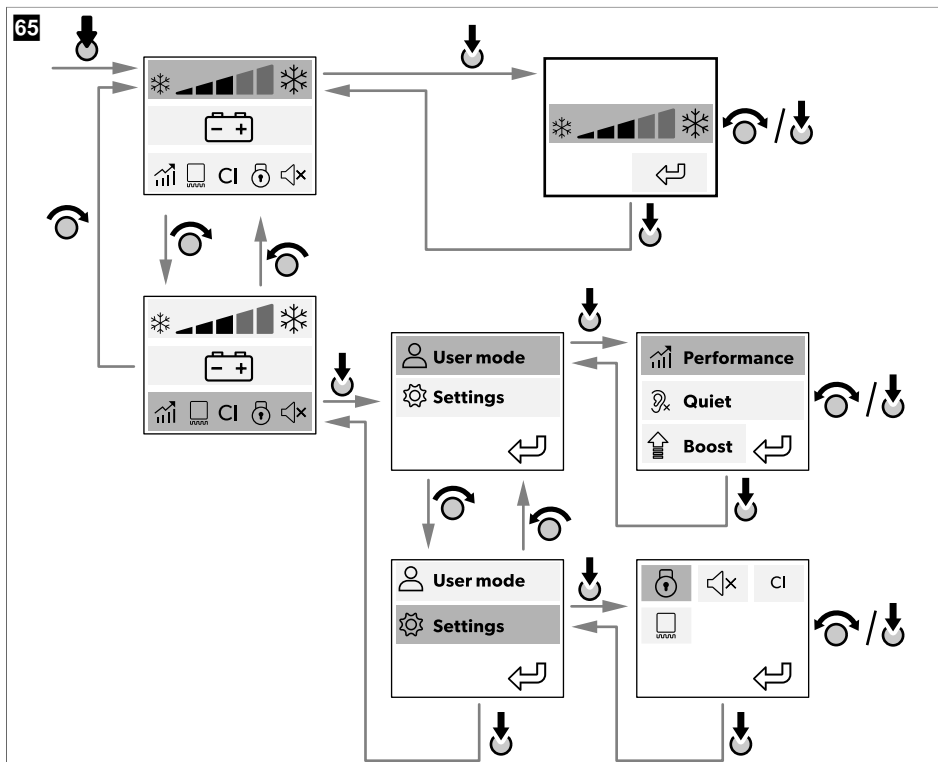


NOTE When setting the QUIET mode or BOOST mode, the refrigerator returns after 8 h automatically to PERFORMANCE mode, using the same configuration as set before changing to QUIET or BOOST mode.

Symbol	Explanation
	PERFORMANCE mode • Standard mode • Selection of all temperature levels (1 to 5)
	QUIET mode • Decreased fan and compressor speed with reduced noise, e.g. if the user wants to relax or sleep • Selection of three temperature levels (1 to 3)
	BOOST mode • Maximum performance, e.g. for an immediate cool down or after a larger amount of un-cooled foodstuff has been put in the refrigerator • No selection of temperature levels

2.8 Making settings

RCD10.5XET



1. Press the control knob to activate the TFT display.
2. Turn the control knob to select the desired detail menu.
3. Press the control knob to open the selected detail menu.
4. Turn the control knob to navigate through the detail menu.
- ✓ Selected settings are displayed in blue.
5. Press the control knob to choose the selected setting.
6. Confirm the selection with .

2.9 Using the refrigerator door(s)



CAUTION! Risk of injury

The device door(s) can completely detach from the device if used incorrectly. Push the door(s) closed until you hear a clear click at the door latches.

**NOTICE! Damage hazard**

- > Do not open the door further than an angle of 90°.
- > Do not lean on the open device door.

2.9.1 Closing and locking the refrigerator door(s)**(RCD10.5XET)**

NOTE If the door is not locked correctly on the opposite side, push on that side at the top and bottom until it locks in place.

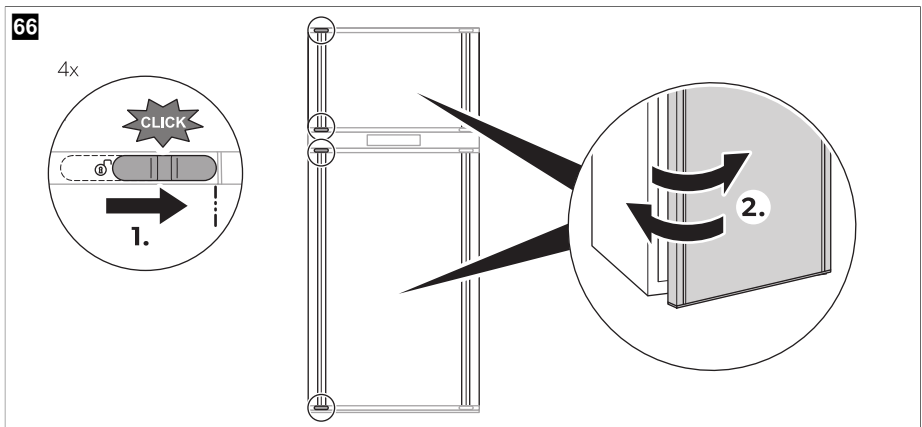
- > Press the door shut until you hear it clearly click at the top and bottom.
- ✓ The door is now closed and secured.

2.9.2 Releasing the refrigerator door(s)**(RCD10.5XET)**

- > Release the refrigerator door as shown.

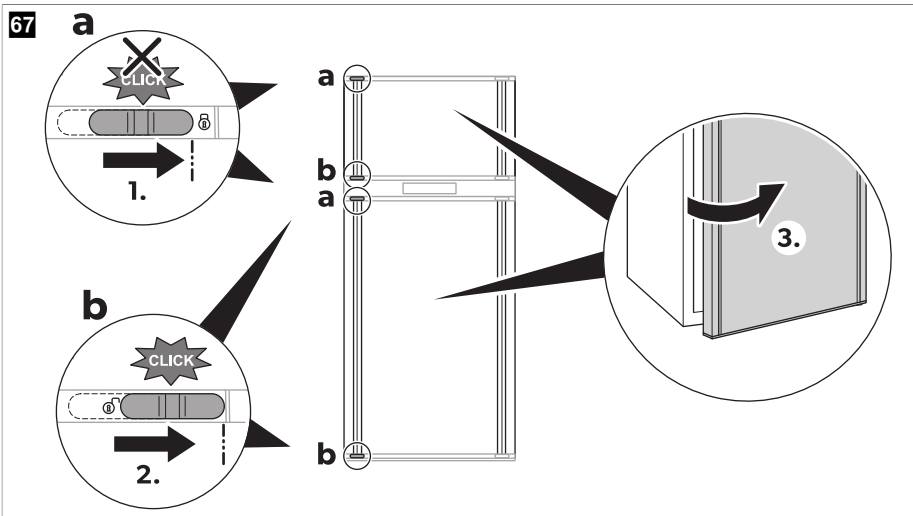


NOTE The refrigerator door is easy to open and close but will not be secured when closed.

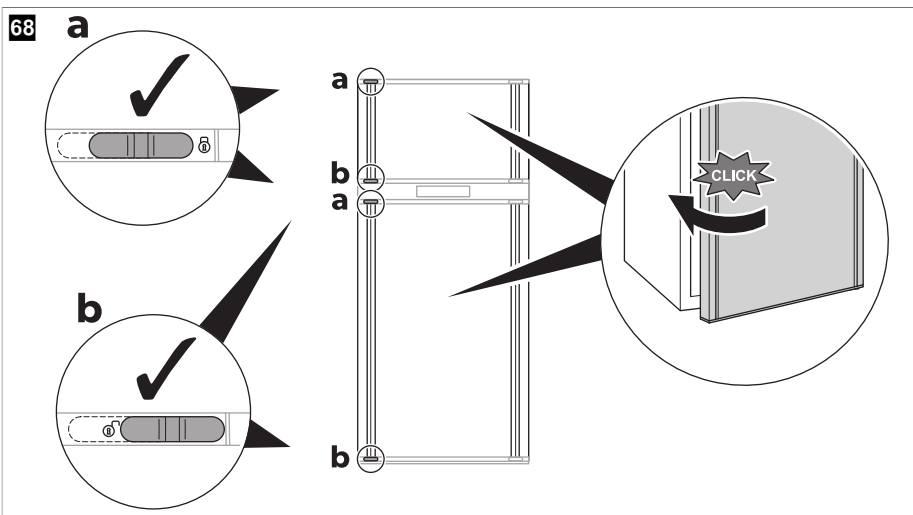
**2.9.3 Securing the refrigerator door(s)****(RCD10.5XET)**

Securing the refrigerator door at the top automatically

> Release and open the refrigerator door as shown.

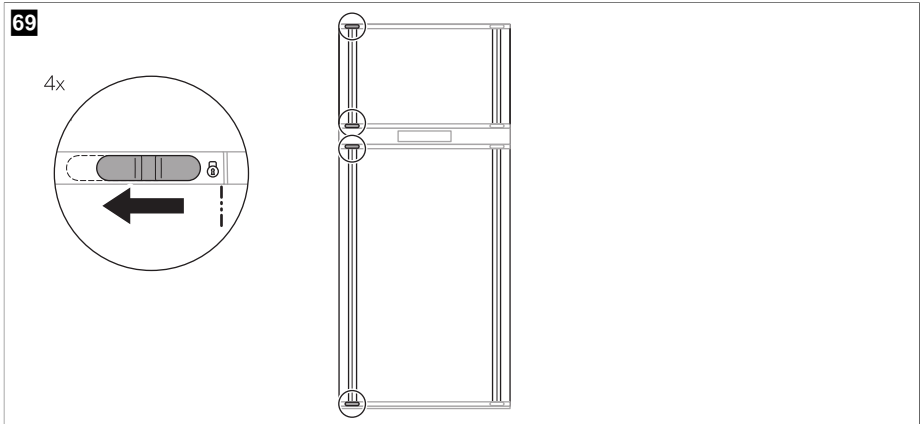


√ The refrigerator door is automatically secured at the top after closing.



Securing the refrigerator door before driving off

- > Secure the refrigerator door as shown.



2.9.4 Positioning the refrigerator door into storage position

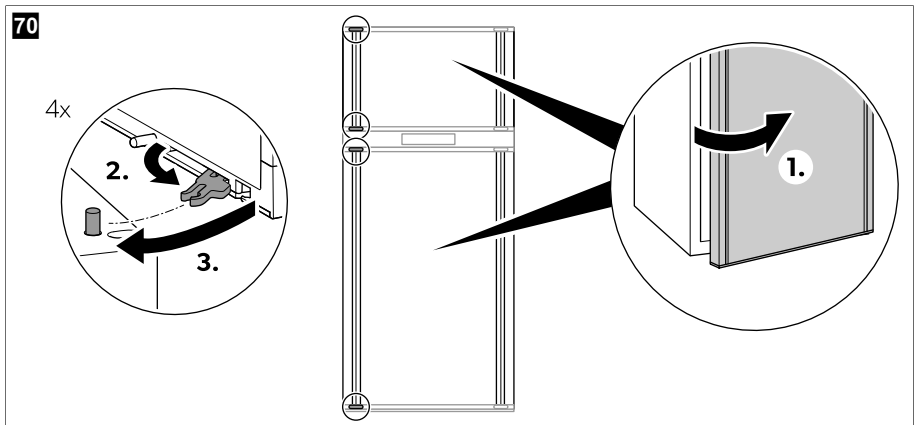


CAUTION! Risk of injury

The storage position may **not** be used while driving.

Put the refrigerator door(s) into the storage position if you are not going to use the refrigerator for an extended period of time. This prevents mold from forming.

1. Defrost the refrigerator (see chapter Defrosting the refrigerator on page 119).
2. Turn the hook near the securing mechanism all the way at the top and bottom of one side of the door.



3. Press against the refrigerator door.
- ✓ The protruding pin snaps into the hook.

Opening the door when in storage mode

1. Pull the door toward you.
2. Push in the protruding hooks at the top and bottom of the door.

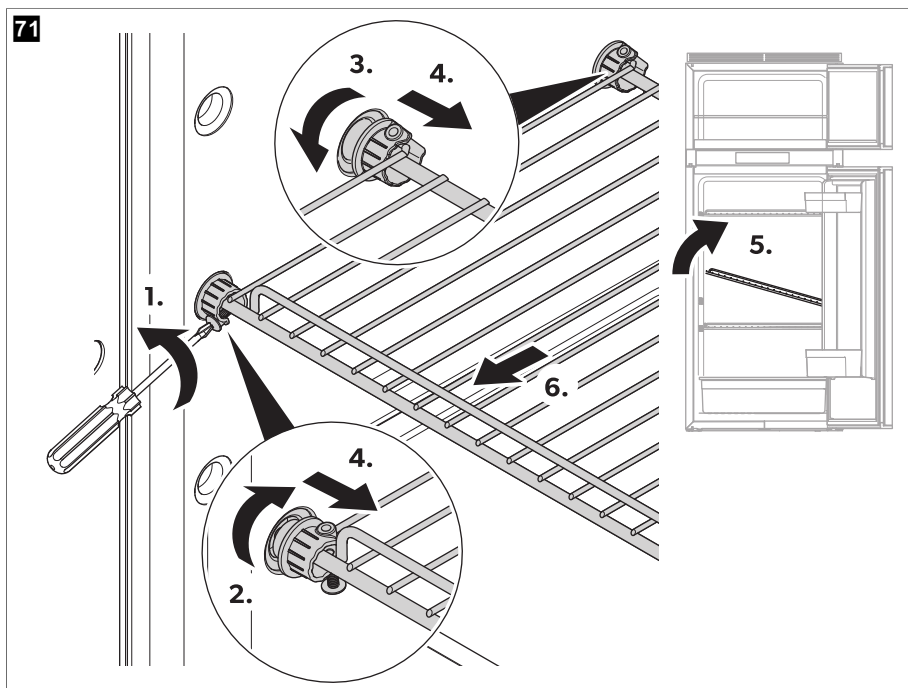
2.10 Positioning the shelves



WARNING! Risk of child entrapment

Ensure that the shelves are mounted and secured in such a way that children cannot climb into the device or lock themselves inside. Only remove the shelves for cleaning purposes.

1. Remove the shelf as shown.



2. Re-install the shelf in the reverse order.

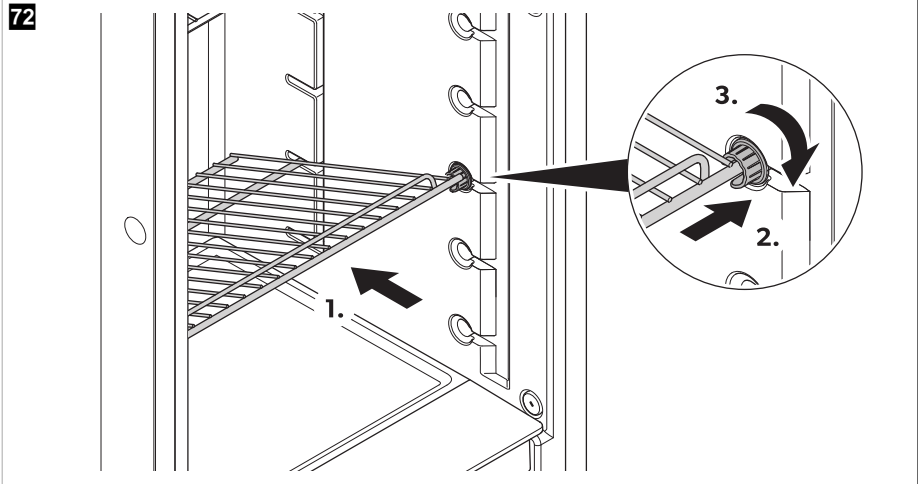
Positioning the shelf at an angle for bottles



NOTICE! Damage hazard

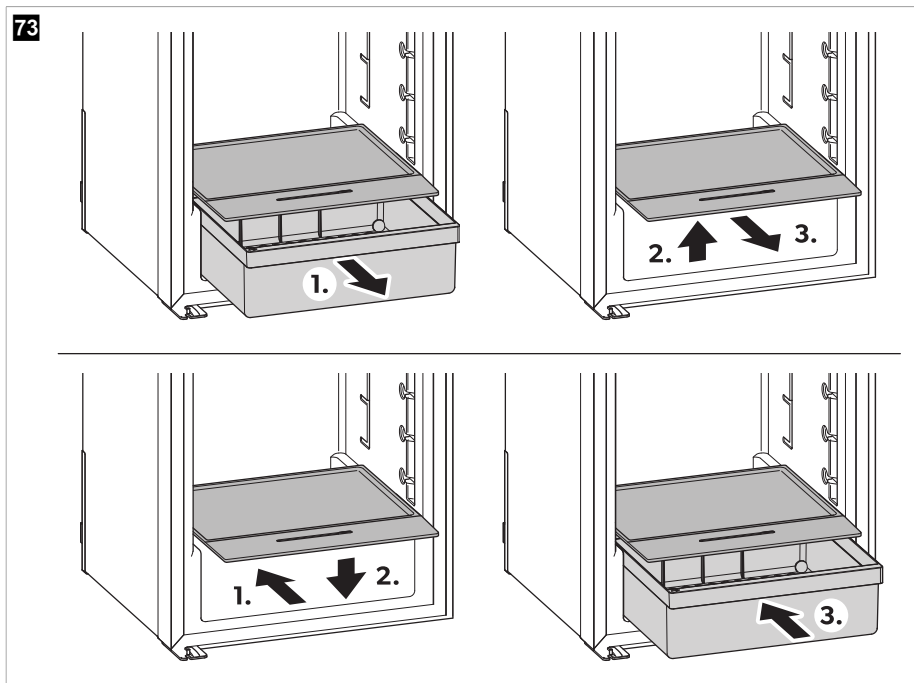
While driving, the shelf in the angled position must **not** be filled.

- > Change the position of the shelf as shown.



2.11 Removing and inserting the fresh storage compartment

> Remove and insert the fresh storage compartment as shown.



3 Cleaning



WARNING! Electrocution hazard

Always disconnect the device from the power supply before cleaning and servicing it.



CAUTION! Health hazard

Clean regularly surfaces that can come in contact with food and accessible drainage systems.



NOTICE! Damage hazard

- > Do not use abrasive cleaning agents or hard objects during cleaning.
- > Never use hard or sharp tools to remove ice or to free frozen objects.
- > Ensure that no water drips into the seals. This can damage the electronics.
- > Attach the winter covers of the ventilation grille (accessories) when the vehicle is cleaned from the outside or not used for a prolonged period of time.



NOTE Remove the shelves and the fresh storage compartment if necessary to thoroughly clean the interior of the refrigerator (see chapters Positioning the shelves on page 47 and Removing and inserting the fresh storage compartment on page 100).

- > Clean the interior and exterior of the refrigerator regularly and as soon as it becomes dirty with a damp cloth. Wipe the refrigerator dry with a cloth after cleaning.
- > Check the condensate drain regularly.
Clean the condensate drain when necessary. If it is blocked, the condensate collects on the bottom of the refrigerator.
- > Clean dust and dirt from the condenser regularly with a damp cloth.
- > Check that the ventilation grilles in the outer wall of the recreational vehicle and the roof vent of the refrigerator are always free of dust and dirt. This ensures that the heat generated during operation can be dissipated. If the heat cannot be dissipated via the ventilation grilles, the cooling capacity of the refrigerator will be reduced and the refrigerator may be damaged.
- > Clean the gas burner regularly (see chapter [Cleaning the gas burner](#) on page 74). Dirt in the gas burner is indicated by poor ignition or deflagrations.

The manufacturer recommends cleaning the burner after not being used for a longer period of time and at least once a year. When using liquefied petroleum gas, the cleaning interval is reduced to half yearly or quarterly, depending on the level of dirt.

3.1 Defrosting the refrigerator



CAUTION! Health hazard

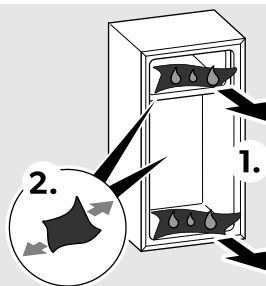
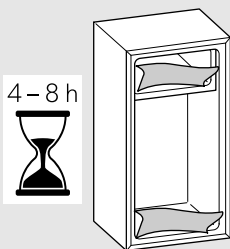
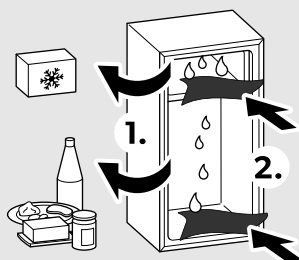
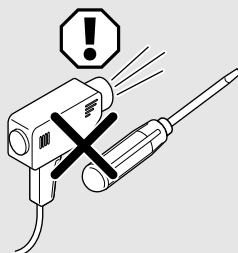
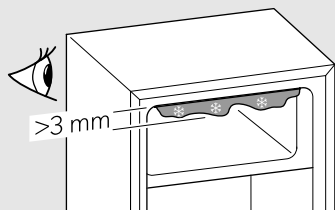
Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.



NOTE Over time, frost will develop on the cooling fins inside the refrigerator. Once the layer of frost is about 3 mm thick, defrost the refrigerator.

> Defrost the refrigerator as shown.

74



4 Maintenance



WARNING! Electrocutation hazard

Always disconnect the device from the power supply before cleaning and servicing it.

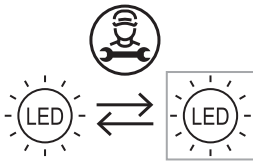


NOTICE! Damage hazard

Attach the winter covers of the ventilation grille (accessories) when the vehicle is cleaned from the outside or not used for a prolonged period of time.

**NOTICE! Damage hazard**

The light source can only be replaced by the manufacturer, a service agent or a similarly qualified person to avoid hazard.



Work on gas and electrical installations may only be performed by qualified technicians.

- > Have the gas system and connected flues inspected before starting up the device for the first time, and by an authorized professional every two years to ensure they comply with the national safety requirements.
- > Keep a record of any maintenance performed.

4.1 Refrigerant circuit

The refrigerant circuit is maintenance-free.

5 Troubleshooting

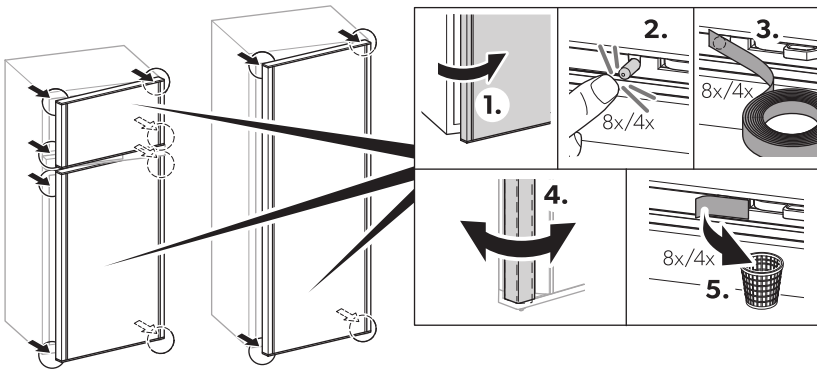


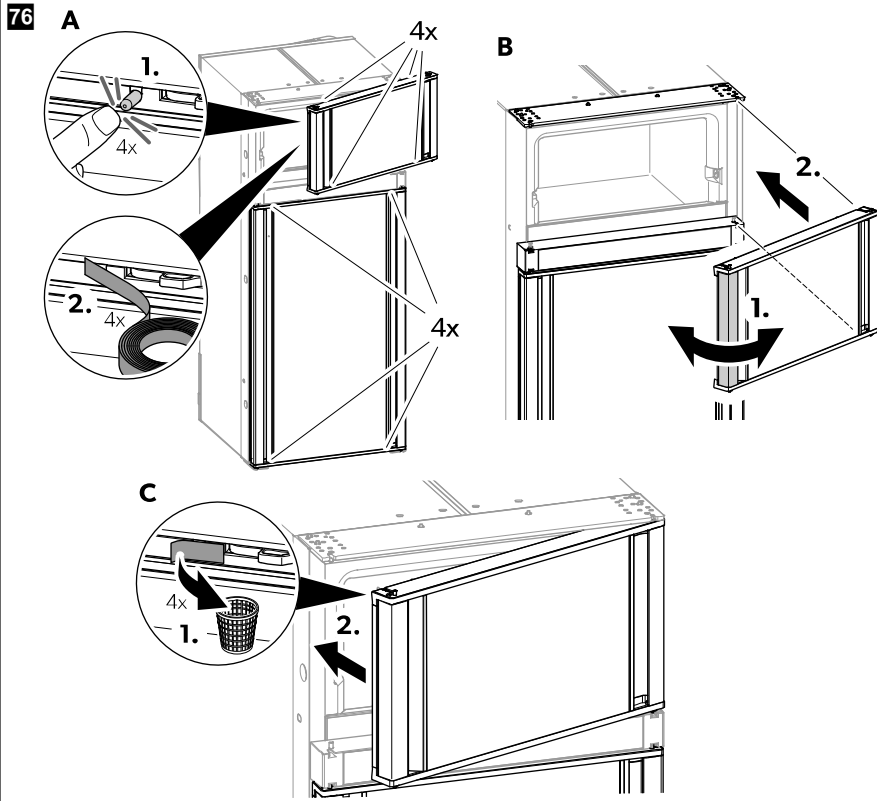
NOTE To safely operate 12 V consumer units in the caravan while driving, it must be ensured that the towing vehicle provides sufficient voltage. On some vehicles, the battery management system may automatically switch off the consumer units to protect the battery. Ask your vehicle manufacturer for more information.

Problem	Possible cause	Suggested remedy
With AC operation: The refrigerator does not work.	The fuse in the AC power supply is defective.	> Replace the fuse.
	The vehicle is not connected to the AC power supply.	> Connect the vehicle to the AC power supply.
	The AC heating element is defective.	> Contact an authorized service agent.
With DC operation: The refrigerator does not work.	The fuse in the DC cable is defective.	> Contact an authorized service agent. The fuse on the relay must be replaced.
	The vehicle fuse has blown.	> Replace the vehicle fuse. (Refer to the operating manual of your vehicle.)
	The vehicle battery is discharged.	> Test the battery and charge it.
	The ignition is not switched on.	> Switch on the ignition.
	The DC heating element is defective.	> Contact an authorized service agent.

Problem	Possible cause	Suggested remedy
The refrigerator is not adequately cooling.	The ventilation around the cooling unit is not sufficient.	> Check that the ventilation grille is not obstructed.
	The evaporator is iced up.	> Check whether the refrigerator door closes properly. > Ensure that the refrigerator seal fits correctly and is not damaged. > Defrost the refrigerator (see chapter Defrosting the refrigerator on page 53).
	The temperature is set too high.	> Set a lower temperature.
	The ambient temperature is too high.	> Remove the ventilation grille for a while so that warm air can escape quicker.
	Too much food was placed in the refrigerator at once.	> Remove some of the food.
	Too much warm food was placed in the refrigerator at once.	> Remove the warm food and leave it to cool down before putting it in again.
	The refrigerator has not been operating for very long.	> Check the temperature again after four or five hours.
Refrigerator door/frozen compartment door does not close.	The door handle is blocked on the opened side.	> Remove the door handle blockage ( Fig. 75 on page 122).
Refrigerator door/frozen compartment door has completely detached from the device.	The locking pins have been tampered with or are twisted.	> Reinsert the door ( Fig. 76 on page 123).

75





5.1 Error and warning indication

Faults are indicated by a warning symbol, a fault code and a beep (audio alarm). The beeping lasts for 2 min and is repeated every 30 min until the error has been rectified.

RCD10.5XET

If multiple faults occur, the fault codes scroll over in the middle of the display.

WARNING type fault messages: All faults of the WARNING (W) type are reset automatically once the fault has been rectified.

ERROR type fault messages: All faults of the ERROR (E) type must be reset manually:

- > Press the control knob for 2 s.
- ✓ A beep sounds. The error has been reset.

Code	Audio alarm	Fault	Solution
W02	No	Defective temperature sensor in the refrigerator compartment	• Contact an authorized service agent.

Code	Audio alarm	Fault	Solution
W04	No	CI bus fault	Resets automatically.
W10	Yes	Door open for more than 2 min	• Close the door.
W11	Yes	DC voltage < 7.5 V	Resets automatically.
W19	Yes	DC voltage < 10.9 V	Resets automatically.
E03	Yes	Communication error	• Press the control knob for at least 2 s.
E32	Yes	Outer fan overcurrent	• Press the control knob for at least 2 s.
E33	Yes	Compressor does not start	• Press the control knob for at least 2 s.
E34	Yes	Compressor overload	• Press the control knob for at least 2 s.
E35	Yes	Thermal cut out compressor controller unit	• Press the control knob for at least 2 s.

6 Technical data

For the current EU declaration of conformity for your device please refer to the respective product page on dometic.com or contact the manufacturer directly (see dometic.com/dealer).

Further product information can be accessed via QR code on the energy label or via eprel.ec.europa.eu.

This device complies with UN ECE Regulation R10.

	RCD10.5XET
Connection voltage	12 V==
Capacity:	
Gross capacity	200 L
Refrigerator compartment	159 L
Frozen compartment	40.6 L
Power consumption	75 W
Energy consumption	0.83 kWh/ 24 h
PERFORMANCE mode	52.9 Ah / 24 h
Climate class	N, ST
Refrigerant	R600a
Refrigerant quantity	34 g
CO ₂ equivalent	0.000 t (0.10 kg)
Global warming potential (GWP)	3
Noise emission (EN60704):	39 dB(A)
Dimensions (H x W x D)	1283 x 523 x 605 mm
Weight	39.5 kg
Maximum weight per door shelf	3 kg
Maximum weight per door	7.5 kg

	RCD10.5XET
Inspection/certification	

Power supply unit

1	Safety instructions.....	126
---	--------------------------	-----

1 Safety instructions

General safety

Also observe the safety instructions and stipulations issued by the vehicle manufacturer and authorized workshops.



WARNING! Electrocutation hazard

- > Do not touch exposed cables with your bare hands. This applies especially when operating the device from the AC mains.
- > This device may only be repaired by qualified personnel. Inadequate repairs can lead to considerable hazards. Contact an authorized service center in case of repair.



WARNING! Health hazard

- > This device can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the device in a safe way and understand the hazards involved. This device is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the device by a person responsible for their safety.
- > **Electrical devices are not toys.** Always keep and use the device out of the reach of very young children.
- > Children must be supervised to ensure that they do not play with the device.
- > Cleaning and user maintenance shall not be made by children without supervision.



NOTICE! Damage hazard

- > Before start-up, check that the voltage specification on the data plate is the same as that of the power supply.
- > Ensure connection to mains is in accordance with national wiring rules.
- > Ensure that other objects **cannot** cause a short circuit at the contacts of the device.
- > Never pull the plug out of the socket by the cable.

Operating the device safely



DANGER! Electrocutation hazard

- > Do not use the device if the device itself or its connection cables are visibly damaged.
- > To be able to disconnect the device quickly from the mains, the socket must be close to the device and be easily accessible.



WARNING! Explosion hazard

- > Only use the device in closed, well-ventilated rooms.
- > Do **not** operate the device in systems with lead acid batteries. These batteries give off explosive hydrogen gas that can be ignited by sparks on electrical connections.

**WARNING! Electrocution hazard**

- > Before starting the device, ensure that the power supply cable and plug are dry, and that the plug is free of rust and dirt.
- > Always disconnect the power supply when working on the device.
- > Observe that parts of the device may still conduct voltage even if the fuse has blown.
- > Do not disconnect any cables when the device is still in use.

**NOTICE! Damage hazard**

- > Ensure that the ventilation grilles of the device are not covered.
- > Do **not** use the device in a salty, damp, or wet environment or immerse it in liquids. Store the device in a dry place.
- > Do **not** use the device near aggressive vapors or combustible materials, or in potentially explosive areas.
- > Do not place the device near heat sources (heaters, direct sunlight, gas ovens, etc.).
- > Only use accessories that are recommended by the manufacturer.
- > Do not modify or adapt any of the components in any way.

Safety when handling batteries**WARNING! Risk of injury**

- > Batteries contain aggressive and caustic acids. Avoid battery fluid coming into contact with your body. If your skin does come into contact with battery fluid, wash that part of your body thoroughly with water. If you sustain any injuries from acids, contact a doctor immediately.
- > When working on batteries, do not wear any metal objects such as watches or rings. Lead acid batteries can cause short circuits which can cause serious injuries.
- > Only use insulated tools.
- > Do not place any metal parts on the battery and prevent any metal parts from falling on the battery. This can cause sparks or short-circuits the battery and other electrical devices.
- > Wear goggles and protective clothing when working on batteries. Do not touch your eyes when working on batteries.
- > Only use rechargeable batteries.
- > Do not use defective batteries.

**CAUTION! Explosion hazard**

- > Never attempt to charge a frozen or defective battery. Place the battery in a frost-free area and wait until the battery has acclimatised to the ambient temperature. Then start the charging process.
- > Do not smoke, use an open flame, or cause sparking near the engine or a battery.
- > Keep the battery away from heat sources.

**NOTICE! Damage hazard**

- > Ensure that the polarity is correct when connecting the battery.
- > Follow the instructions of the battery manufacturer and those of the manufacturer of the system or vehicle in which the battery is used.
- > If the battery has to be removed, first disconnect the ground connection. Disconnect all connections and all consumers from the battery before removing it.
- > Only store fully charged batteries. Recharge stored batteries regularly.
- > Do not carry the battery by its terminals.

Switch-mode power supply SMP301-02, -03, -11

1	Accessories.....	128
2	Intended use.....	128
3	Technical description.....	128
4	Using the switch-mode power supply.....	132
5	Cleaning and maintenance.....	133
6	Troubleshooting.....	134
7	Technical data.....	135

1 Accessories

Available as accessories (not included in the scope of delivery):

Description	Ref. no.
Surge protection device	9106505815

2 Intended use

The switch-mode power supply is suitable for installation in habitable recreational vehicles (e.g. motorhomes, caravans, boats etc.) and is approved for continuous operation.

The switch-mode power supply is used as the voltage supply for the DC consumer units.

SMP 301-02/-03: The switch-mode power supply can be supplied with AC or DC.

SMP 301-11: The switch-mode power supply can be supplied with AC.

3 Technical description

SMP 301-02	SMP 301-03	SMP 301-11
without relay; no priority circuit available	with relay; with external 12 V supply, all outputs are live	without relay

SMP301-02/-03

The switch-mode power supply converts an unstabilized input voltage to a stabilized output voltage and provides a constant 12.7 V $\overline{\text{DC}}$ voltage for DC consumer units.

For power supply, the switching power supply is connected to a 230 V AC voltage or to a battery.

The integrated priority circuit automatically switches over from battery operation to mains operation when an external power supply is available. The battery is automatically disconnected from the consumer unit.

Battery operation is activated automatically if mains operation is deactivated. The consumer units connected are supplied with energy via the battery.

SMP301-11

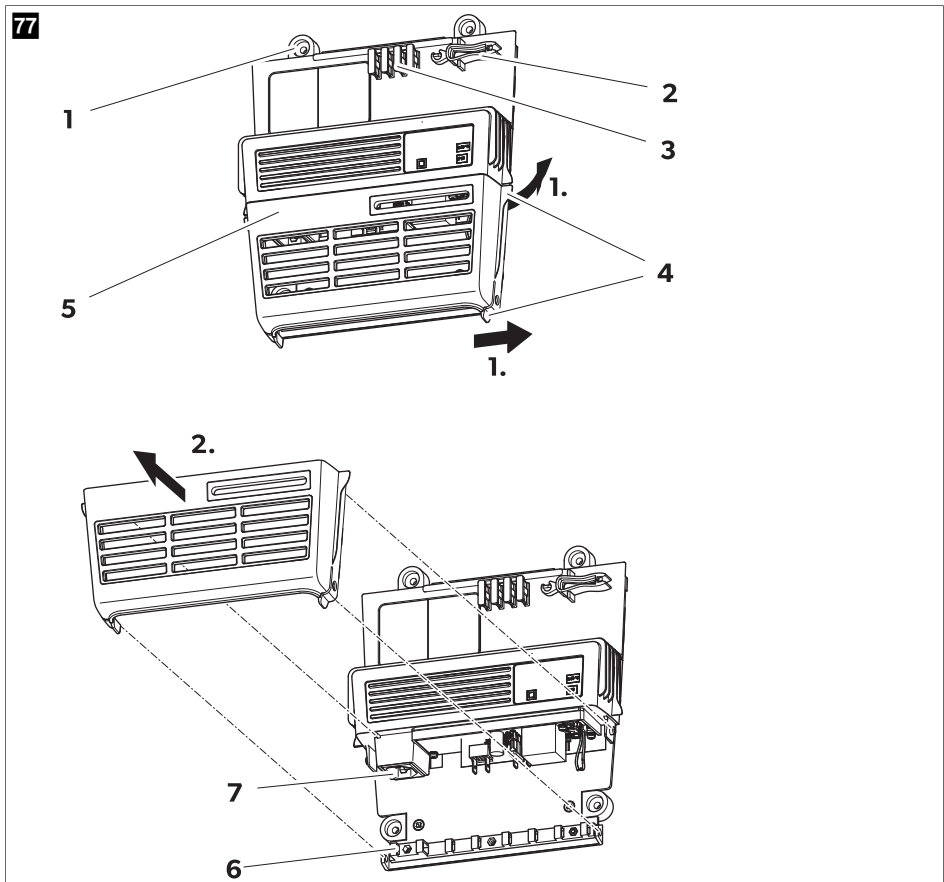
The switch-mode power supply converts an unstabilized input voltage to a stabilized output voltage and provides a constant 24 V $\equiv$ voltage for DC floor heatings.

For power supply, the switching power supply is connected to a 230 V AC voltage.

The switch-mode power supply can be switched in three ways:

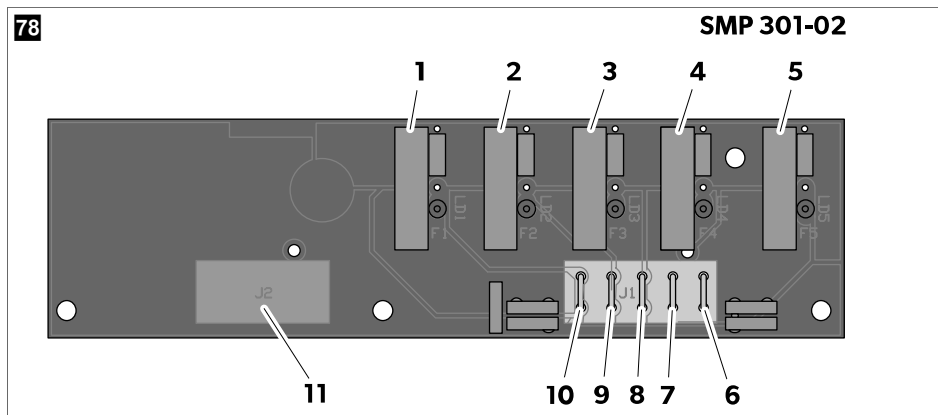
- Via a CI bus
- Via an external 12 V switching voltage
- Via the power supply (continuous operation as long as voltage is present)

3.1 Device overview



**No. in  Fig. 77
on page 129****Description**

1	Mounting holes
2	Fuse extractor
3	Brackets for 4 spare fuses
4	Clips for releasing of the cover
5	Cover of the connection space
6	Strain relief clamps
7	AC connection

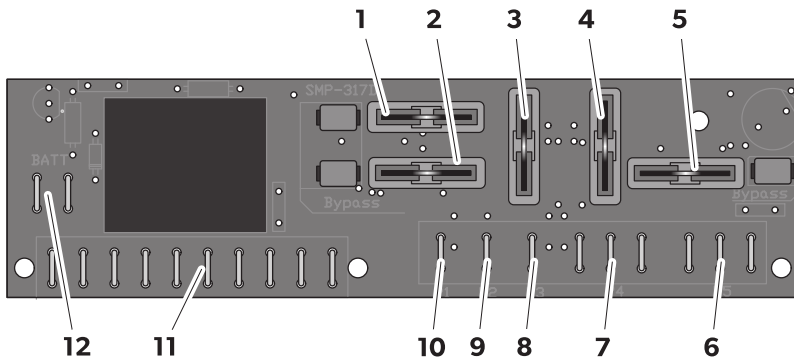
3.2 Connections and displays**SMP 301-02****No. in  Fig. 78
on page 130****Description**

1	Plug-in fuse F1 for output group 1 (maximum 15 A)
2	Plug-in fuse F2 for output group 2 (maximum 15 A)
3	Plug-in fuse F3 for output group 3 (maximum 15 A)
4	Plug-in fuse F4 for output group 4 (maximum 15 A)
5	Plug-in fuse F5 for output group 5 (maximum 15 A)
6	Flat plug P5 6.3 mm for group 5
7	Flat plug P4 6.3 mm for group 4
8	Flat plug P3 6.3 mm for group 3
9	Flat plug P2 6.3 mm for group 2
10	Flat plug P1 6.3 mm for group 1
11	4x flat plug P7 6.3 mm common ground connection

SMP 301-03

79

SMP 301-03

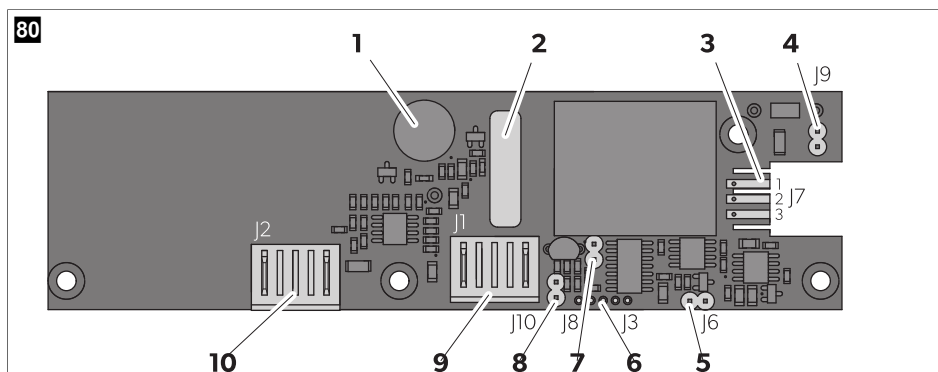


No. in  Fig. 79
on page 131

Description

1	Plug-in fuse F1 for output group 1 (maximum 10 A)
2	Plug-in fuse F2 for output group 2 (maximum 10 A)
3	Plug-in fuse F3 for output group 3 (maximum 5 A)
4	Plug-in fuse F4 for output group 4 (maximum 5 A)
5	Plug-in fuse F5 for output group 5 (maximum 10 A)
6	3x flat plug P5 6.3 mm for group 5
7	3x flat plug P4 6.3 mm for group 4
8	Flat plug P3 6.3 mm for group 3
9	Flat plug P2 6.3 mm for group 2
10	Flat plug P1 6.3 mm for group 1
11	10x flat plug P7 6.3 mm battery terminal/common ground connection
12	2x flat plug P6 for positive battery terminal

SMP 301-11



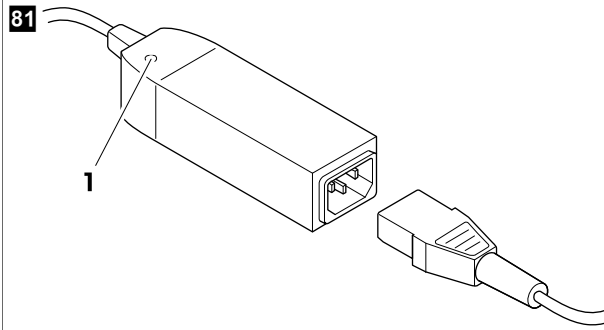
No. in  Fig. 80 on page 132	Description
1	LED – displays defective fuse
2	Plug-in fuse for output (maximum 30 A)
3	Jumper 7 (J7) – CI bus connection
4	Jumper 9 (J9) – deactivates CI bus (if J10 is free)
5	Jumper 6 (J6) – deactivates J9 and J10; activates the output as soon as voltage is applied (continuous operation)
6	Jumper 3 (J3) (use by service personnel only)
7	Jumper 8 (J8) (use by service personnel only)
8	Jumper 10 (J10) – activates CI bus (if J9 is free)
9	Flat connector output (positive pole)
10	Flat connector output (negative pole)

4 Using the switch-mode power supply

The switch-mode power supply switches on as soon as an external power supply is available.

4.1 Using the surge protection device (optional)

The optional surge protection device (accessories) is connected on the supply side of the power supply unit. The surge protection device disconnects the power supply line if the input voltage exceeds approx. 270 V.



1. Check whether the red LED ( Fig. 81 on page 133, 1) lights up.
 - ✓ If the red LED lights up, an overvoltage has occurred.
2. Wait 20 ... 30 min .
 - ✓ The surge protection device resets itself automatically as soon as the voltage returns to a permissible value. Once the voltage has reached a permissible value, the red LED remains lit up for 20 ... 30 min .

5 Cleaning and maintenance



WARNING! Electrocuting hazard

Disconnect the device from the power supply before each cleaning and maintenance.



NOTICE! Damage hazard

- > Never clean the device under running water or in dish water.
 - > Do not use sharp or hard objects, abrasive cleaning agents or bleach during cleaning as these may damage the device.
-
- > Occasionally clean the product with a damp cloth.
 - > Clean the ventilation openings regularly.
 - > Check the electrical wiring regularly (at least once a year). Repair any defects such as loose connections or burnt cables.

5.1 Replacing the plug-in fuses



NOTICE! Damage hazard

Only replace a plug-in fuse which has blown with a plug-in fuse of equivalent quality.



NOTE The positioning of the plug-in fuses is used to configure manufacturer specific functions. When replacing a plug-in fuse, ensure that the new fuse is installed in the same position. Otherwise, malfunctions may occur.

1. Disconnect all consumer units from the switch-mode power supply.
2. Disconnect the switch-mode power supply from the power supply.
3. Press the two clips ( Fig. 77 on page 129, 3) in the direction indicated by the arrows and lift off the cover ( Fig. 77 on page 129, 2).

4. Reattach the cover to the switch-mode power supply.



NOTE Contact the manufacturer's branch in your country (see dometic.com) or your retailer if the function cannot be restored by switching on the fuses or replacing the plug-in fuse or if the plug-in fuse is tripped again.

6 Troubleshooting

SMP301-02/ -03

Problem	Possible cause	Suggested remedy
12 V outputs are not supplied in mains operation.	The plug-in fuse of the associated 12 V output is defective. The red LED next to the plug-in fuse lights up.	Replace the defective plug-in fuse with a plug-in fuse of equivalent quality (see chapter Replacing the plug-in fuses on page 133).
	The switch-mode power supply has switched off as a result of the surge protection device. The red LED lights up.	> The surge protection device resets itself automatically as soon as the voltage returns to a permissible value. > If the surge protection device does not reset itself, contact an electrician or an authorized service agent.
12 V outputs are not supplied in battery operation.	The plug-in fuse of the associated 12 V output is defective. The red LED next to the plug-in fuse lights up.	Replace the defective plug-in fuse with a plug-in fuse of equivalent quality (see chapter Replacing the plug-in fuses on page 133).
	The battery has been connected incorrectly.	> Connect the battery correctly. Contact an electrician, if necessary.

Contact the manufacturer's branch in your country (see dometic.com) or your retailer if the function cannot be restored by switching on the fuses or replacing the plug-in fuse.

SMP301-11

Problem	Possible cause	Suggested remedy
The output is not supplied.	The plug-in fuse of the output is defective. The red LED next to the plug-in fuse lights up.	Replace the defective plug-in fuse with a plug-in fuse of equivalent quality (see chapter Replacing the plug-in fuses on page 133).
	The switch-mode power supply has switched off as a result of the surge protection device. The red LED lights up.	> The surge protection device resets itself automatically as soon as the voltage returns to a permissible value. > If the surge protection device does not reset itself, contact an electrician or an authorized service agent.
	The switch-mode power supply is managed via the CI-bus and the output is deactivated. The switch-mode power supply is managed via an external switching voltage and the output is deactivated.	> Switch the switch-mode power supply on using the connected control unit or change the switching mode.

Contact the manufacturer's branch in your country (see dometic.com) or your retailer if the function cannot be restored by switching on the fuses or replacing the plug-in fuse.

7 Technical data

	SMP301-02/-03	SMP301-11
Nominal input voltage	230 V ~ (198 ... 264 V)	230 V ~ 12 V ---
Constant output power	350 W	
Output voltage	12.7 V ---	24 V ---
Amperage	27 A	17 A
Ambient temperature	-10 ... 40°C	
Protection class	IP20	
Dimensions (LxWxH)	240 × 207 × 56 mm	
Weight	1 kg	
Inspection/certification	CE	

Battery charger SMP439-09

1	Intended use.....	136
2	Technical description.....	136
3	Using the battery charger.....	138
4	Cleaning and maintenance.....	140
5	Troubleshooting.....	140
6	Technical data.....	141

1 Intended use

The battery charger is intended to charge 12 V vehicle batteries with 6 cells and a capacity of 50 ... 250 Ah from the mains.

The battery charger is suitable for temporarily use outdoors or in garages and reasonable care should be exercised when using this device in wet conditions.

The battery charger is intended for charging the following battery types:

- Lead acid (wet) batteries
- Lead gel batteries
- Absorbed glass mat (AGM) batteries
- Super B LiFePO4 batteries

The battery charger is **not** intended for charging other types of batteries (e.g., NiCd, NiMH, etc.).

The battery charger is suitable for:

- Stationary use
- Indoor use

The battery charger is **not** suitable for:

- Parallel connection with other battery chargers
- Service workshops or commercial use

2 Technical description

The battery charger analyzes the state of charge of the connected starting battery and either charges the battery automatically or supplies the battery with a float voltage to prevent it from discharging. This allows the battery charger to remain connected to the battery for longer periods of time without damaging the battery.

An indicator LED on the device enables constant monitoring of the battery charger.

The battery charger can be connected to a LIN/CI bus master via two connections, which enables a battery sensor (IBS) to be queried (optional).

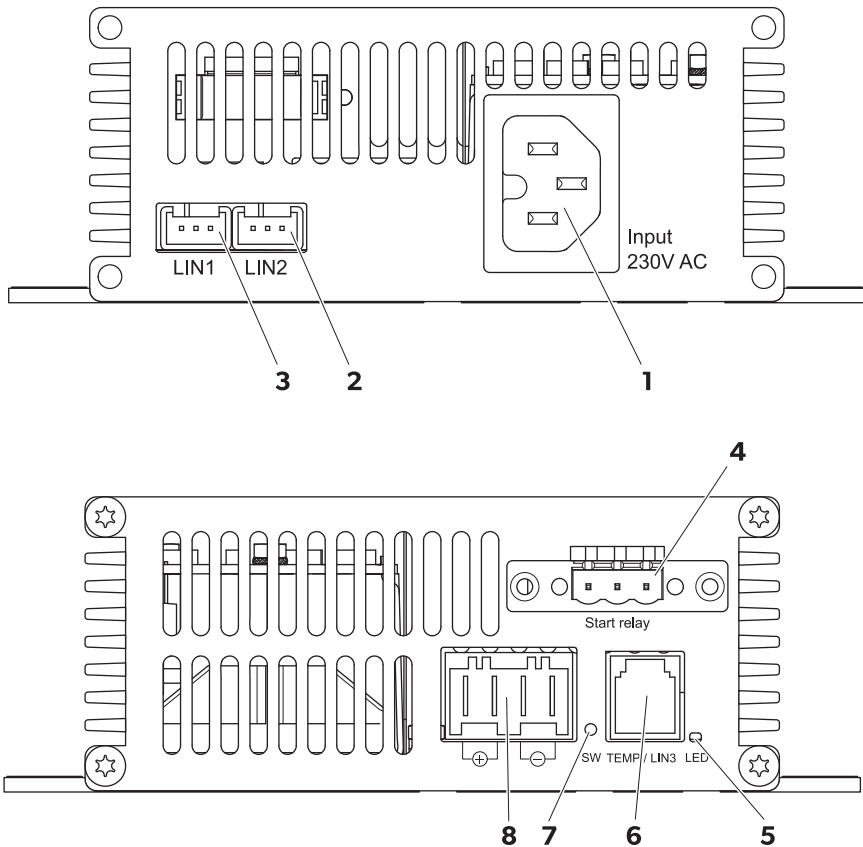
The battery charger has the following protective mechanisms:

- Overvoltage protection
- Overheating protection
- Overload protection

2.1 Connections and control elements

82

SMP 439



No. in  Fig. 82
on page 137

Description

1	Input for AC power supply
2	LIN2 connection socket
3	LIN1 connection socket
4	Start relay socket
5	Indicator LED
6	LIN bus connection socket/Temperature sensor
7	Battery type selection button
8	Battery connector

2.2 Indicator LED

LED	Status	Description
Orange	Flashes quickly	Charging process in I phase (1)
	Flashes slowly	Charging process in UO phase (2)
	Constantly lit	Charging process in UO phase (3)
Green	Constantly lit	Charging process in UO phase (4)
	Flashes slowly	Charging process in U phase (5)
Red	Constantly lit	Error, see chapter Troubleshooting on page 140
	Flashes slowly	Error, see chapter Troubleshooting on page 140
	Flashes quickly	Error, see chapter Troubleshooting on page 140

3 Using the battery charger



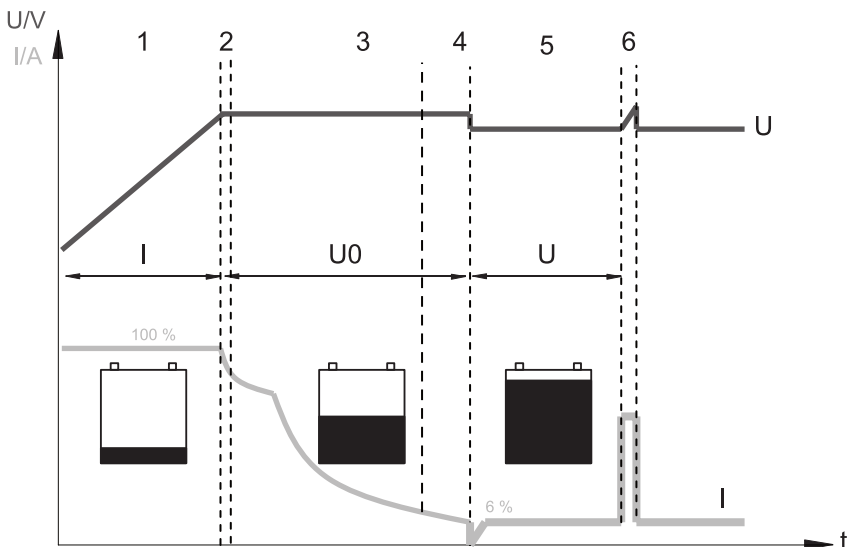
NOTE

- Connected DC loads prolong the charging time of the battery.
- If the power required exceeds the capacity of the battery charger, the battery cannot be charged.

1. Switch off all electric consumers which are connected to the battery.
 2. Connect the battery charger to the mains.
- ✓ Depending on the state of charge of the battery, the battery charger starts charging or supplies a float voltage.

3.1 Battery charging function

The charging characteristics are referred to as modified IUOU characteristics.



1: I phase (bulk)

The empty battery is charged with constant current (100 % charging current). As soon as the battery voltage has reached the charging voltage the charging current decreases.

2, 3, 4: U0 phase (absorption)

During the 3-step absorption phase (U0 phase) the voltage remains constant (U0). Once the battery is completely charged, the U0 phase has finished.

5: U phase (float)

After the U0 phase, the battery charger switches to conservation charging function (see chapter ###) (U phase).

Connected DC loads are powered by the device. Only if the power required exceeds the capacity of the device is this surplus power provided by the battery.

6: 12-day conditioning

Every 12 days and only if the battery voltage is below 12.8 V , the battery charger switches back to the I phase to revive the battery and prevent any fatigue symptoms such as sulfation. If battery voltage is over 12.8 V , the battery charger switches back to phases 2 to 4 for 85 min and then switches to phase 5.

3.2 Selecting the battery type

For vehicles **with** a CI bus, the battery is detected and the charging voltage is changed automatically.

For vehicles **without** a CI bus, the battery type must be set.

To be able to select the battery type, the battery charger must be operated without accessories or other connected devices.



NOTE

- The battery charger is set to Super B LiFePO4 batteries as default.
- For selecting the battery type, the following requirements are necessary:
 - A battery is **not** connected to the device.
 - The battery charger is operated **without** accessories or other connected devices.
 - The battery charger is operated with mains voltage.

- > Press the battery type selector button with step function ( Fig. 82 on page 137, 7).
- ✓ Each press steps through the battery types, indicated by the number of blinks from the LED. If the device is switched on without a battery connected, the flashing LEDs indicate the selected battery type.

	Lead battery	AGM battery	Power supply	Super B LiFe-PO4 battery (standard)
Bulk charge	14.4 V	14.7 V	13.8 V	14.4 V
Float charge	13.8 V	13.6 V	13.8 V	13.8 V
LED flashing	1x green	2x green	3x green	4x green
	1x red	1x red	1x red	1x red

4 Cleaning and maintenance



WARNING! Electrocution hazard

Disconnect the device from the power supply before each cleaning and maintenance.



NOTICE! Damage hazard

- > Never clean the device under running water or in dish water.
- > Do not use sharp or hard objects, abrasive cleaning agents or bleach during cleaning as these may damage the device.
- > Occasionally clean the product with a damp cloth.
- > Keep the ventilation openings free of dust and dirt.
- > Check the electrical cabling at least once a year. Repair any defects such as loose connections or faulty cables.

5 Troubleshooting

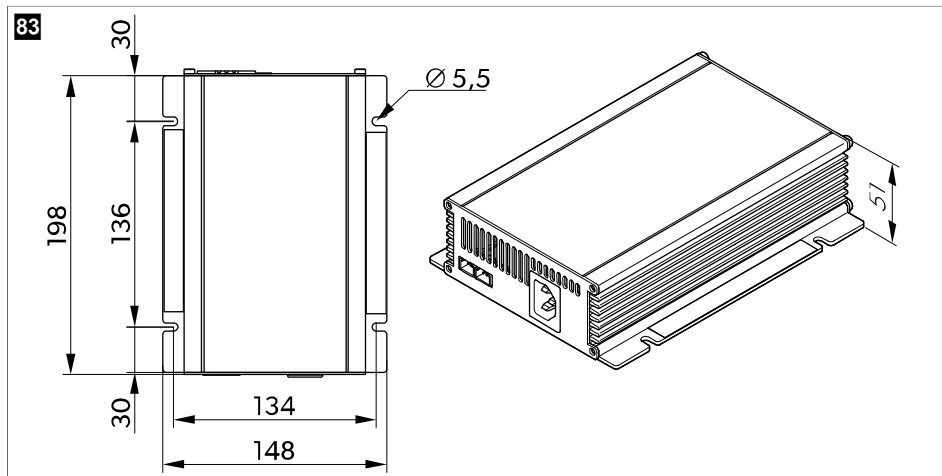
Problem	Possible cause	Suggested remedy
Red indicator LED flashes slowly	Battery undervoltage or battery overload	> Check the battery. > Switch the battery charger off and on again.
	Defective battery	> Replace the battery.
Red indicator LED flashes quickly	Battery or battery charger is overheating	> Improve the ventilation of the battery charger or the battery. > Ensure that no ventilation openings are covered. > If necessary, reduce the ambient temperature.
Red indicator LED is constantly lit	Short circuit	> Remove the short circuit.
	Reversed polarity	> Connect the battery charger with the correct polarity.
	Broken internal fuse	> Contact an authorized service agent for replacement of the internal fuse.



NOTE Contact the battery manufacturer for detailed information on the battery specifications.

6 Technical data

General technical data



Heat dissipation

Convection cooling

Ambient temperature range

-20 ... 50°C

Relative humidity

20 ... 90 %

Temperature coefficient

 $\pm 0.03 \% / ^\circ\text{C}$ (0 ... 50°C)

Temperature compensation

-20 mV / 0.5°C

Vibration

10 Hz ... 500 Hz

2 g for 10 min / cycle within 60 min for the X, Y, and Z axes

Voltage insulation

I/P - O/P: 3 kV~

I/P - FG: 1.5 kV~

O/P - FG: 0.5 kV~

Insulation resistance

I/P - O/P: 100 MOhm / 500 V_{DC}

Dimensions (LxWxH)

see  Fig. 83 on page 141

Weight

1.3 kg

Inspection/certification



Input data

Rated input voltage	230 V~
Output factor correction	>0.9 (full load)
Input frequency	50 Hz
Efficiency at 230 V~	87 %
Input current	1.8 A at 230 V~
Starting current (typical for cold start)	54 A cold start at 230 V~
Leakage current	≤ 1 mA at 240 V~

Output data

	Lead batteries	AGM batteries	Power supply	Super B LiFe-PO4 batteries
Constant output power	14.4 V	14.7 V	13.8 V	14.4 V
Output voltage	13.8 V	13.6 V	13.8 V	13.8 V
Amperage	max. 25 A			
Ambient temperature	0 ... 25 A			
Protection class	360 W			

Protective mechanisms

Output side short circuit	Current is limited if a short circuit occurs on output.
High voltage	16 V
Device over temperature	90 % ± 5°C (measured internally)
Battery over temperature	52°C ± 5°C (with battery sensor)

C8 hinged window

1	Safety instructions.....	143
2	Using the hinged window.....	143
3	Cleaning and maintaining the hinged window.....	145

1 Safety instructions

Note the following:

- In the event of faults or malfunctions, contact a authorized workshop immediately.
- Before starting your journey, check that the hinged window is locked properly.
- Before starting your journey, check the hinged window for damage (such as tension cracks in the acrylic glass).
- **Do not** open the hinged window during strong wind or rain.
- Close the hinged window if it rains or snows.
- **Do not** leave the vehicle with the hinged window open.

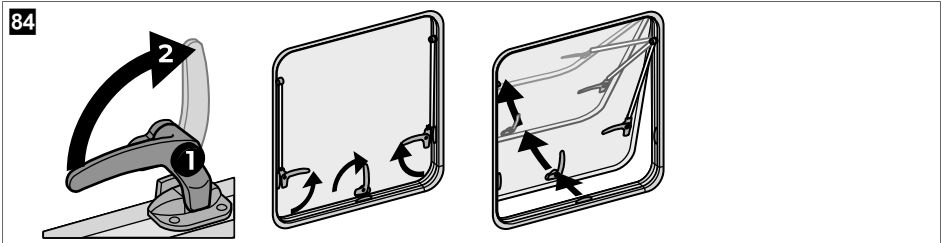


WARNING! Risk of injury

Keep the hinged window closed at all times while driving and while on public roads.

2 Using the hinged window

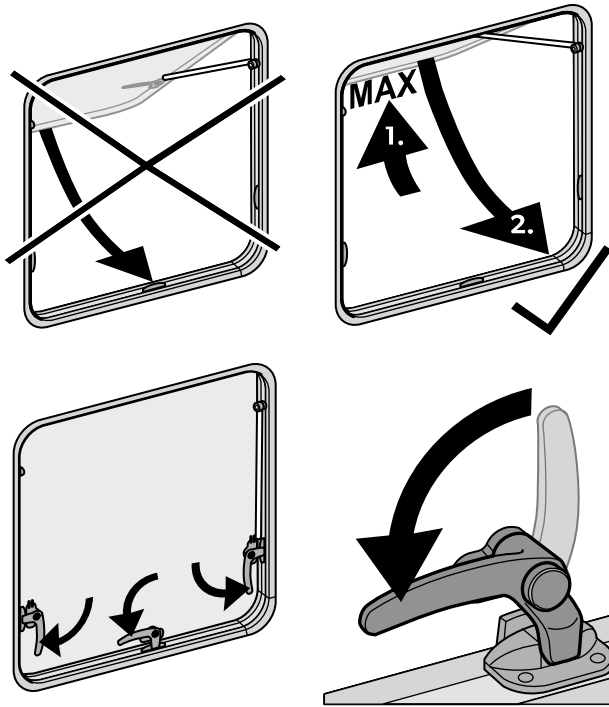
2.1 Opening the hinged window



1. Press the locking button (1) and turn all latch handles (2) by 90 °.
2. Tilt the window pane outwards to the desired rest position.

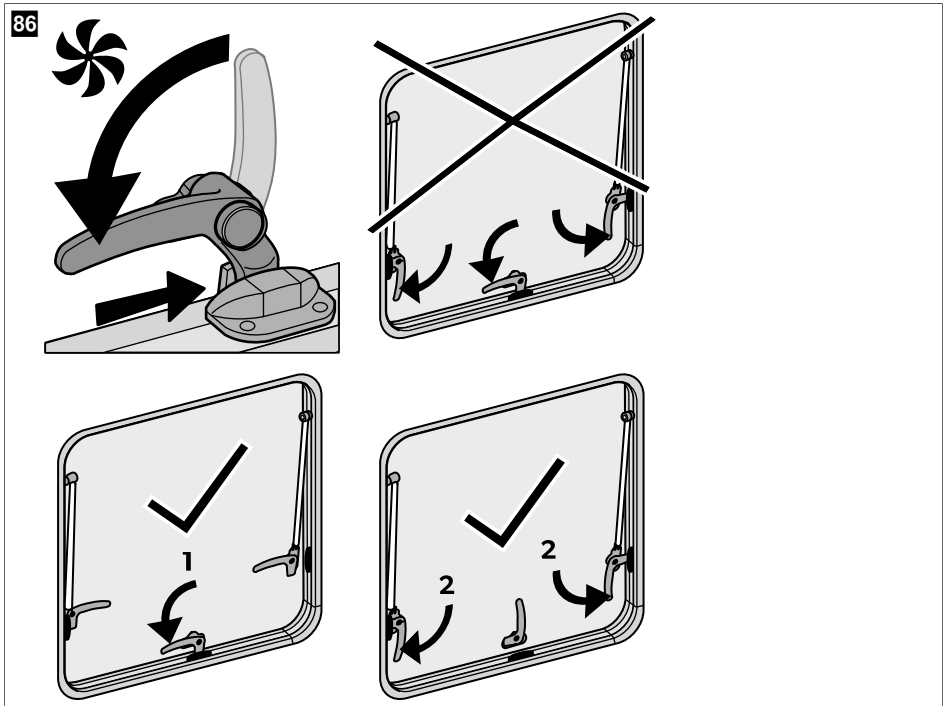
2.2 Closing the hinged window

85



1. Open the hinged window far enough to release the ratchet.
2. Close the hinged window.
3. Turn all the latch handles by 90°.

2.3 Setting continuous ventilation



NOTICE! Damage hazard

Do not lock all latch handles at the same time in the ventilation position, as this can lead to tension cracks due to deformation of the acrylic glass.

- > Only lock the lower latch handles (1) in the ventilation position. The side latch handles (2) remain open.
- OR
- > Only lock the side latch handles (2) in the ventilation position. The lower latch handles (1) remain open.

3 Cleaning and maintaining the hinged window



NOTICE! Damage hazard

- > Do not use sharp or hard objects during cleaning as these may damage the acrylic glass. In particular, do not use cleaning agents containing alcohol.
- > Only use cleaning agents that are approved by the manufacturer (see dometic.com).

Description	Ref. no.
Special Polishing Cloth, for acrylic glass	9600000130
Acrylic Glass Cleaner	9620017549

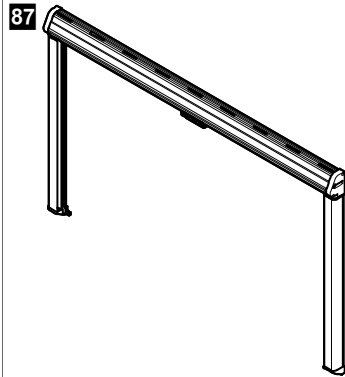
- > Maintain the rubber seals with talcum powder.

Cassette roller blind 3000

1	Operation.....	147
2	Cleaning and maintenance.....	147

1 Operation

1.1 Deploying the blind



NOTICE! Damage hazard

In strong sunlight, only close the blind by a maximum of two thirds to prevent damage caused by heat build-up between the blind and the window.



NOTE The blind consists of the blackout blind and the insect screen. The blind and the insect screen can be adjusted separately.

- > Pull the insect screen down by the handle and hook the insect screen into place by pressing it lightly against the wall.
- > Pull the blackout blind down by the handle and hook the insect screen into place by pressing it lightly against the wall.

1.2 Retracting the blind

- > Pull the handle of the blackout blind down a little and away from the wall and then slowly guide it upwards.
- > Pull the handle of the insect screen down a little and away from the wall and then slowly guide it upwards.

2 Cleaning and maintenance



NOTICE! Damage hazard

Do not use sharp or hard objects, abrasive cleaning agents or bleach during cleaning as these may damage the device.

- > Occasionally clean the product with a damp cloth.
- > To prevent material fatigue, do not keep the roller blind closed for an extended period of time.

Roof light Mini Heki FL

1	Safety instructions.....	149
2	Intended use.....	149
3	Operation.....	150
4	Cleaning and maintenance.....	152
5	Troubleshooting.....	153

1 Safety instructions



WARNING! Health hazard

Do **not** exceed the maximum allowable driving speed of 160 km/h, as this can damage the roof light. Parts that come loose may injure people in the vicinity.



CAUTION! Health hazard

- > Before starting a journey, check that the roof light is properly closed and locked.
- > Before starting a journey, check the roof light for damage (such as tension cracks in the acrylic glass).
- > Do **not** open the roof light while driving.



NOTICE! Damage hazard

- > Seek out a authorized workshop immediately if errors or malfunctions occur.
- > Do **not** tread on the glass dome.
- > Do **not** open the roof light during strong wind or rain.
- > Close the roof light if it rains or snows.
- > Do **not** leave the vehicle with the roof light open.
- > Keep the roof light free of snow and ice.



NOTE Noise could occur depending on the vehicle design or installation position. In case of excessive noise, a spoiler (accessory) can be used.

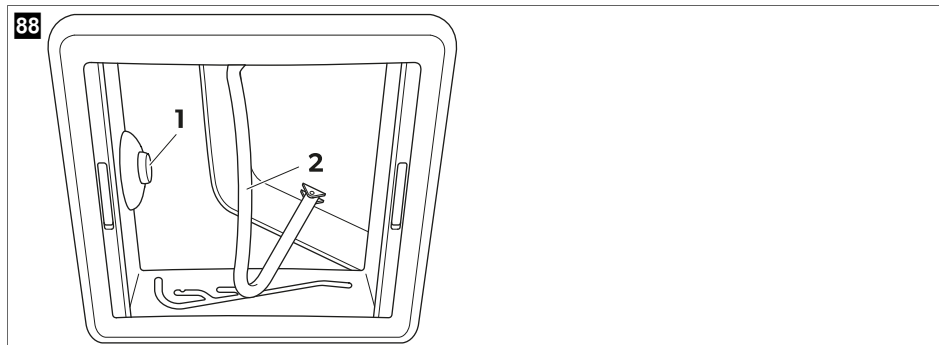
2 Intended use

The roof light is intended for installation in motor homes and caravans to allow daylight into the living space and enable natural airflow and ventilation.

3 Operation

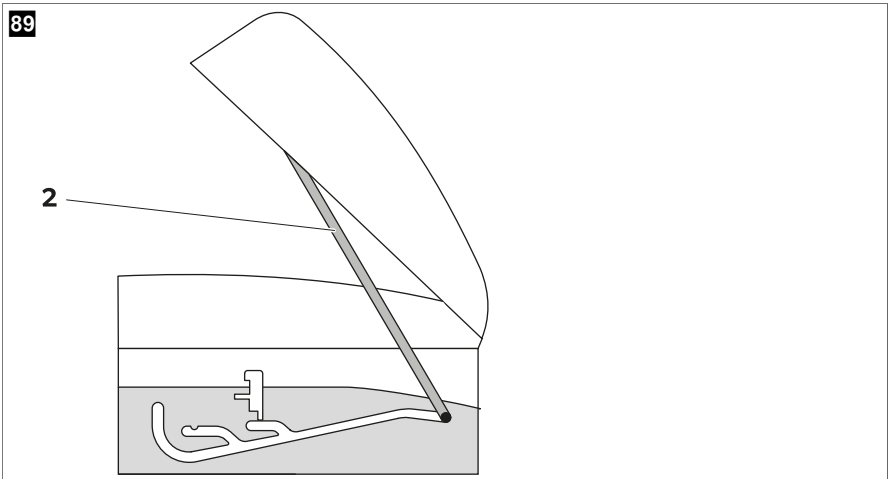
3.1 Opening and closing the roof light

Opening the roof light

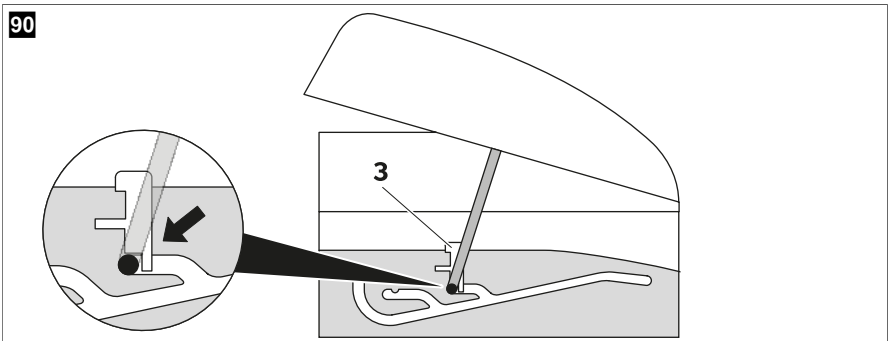


> Press the release button (1) and open the roof hood with the handle (2) at the same time.

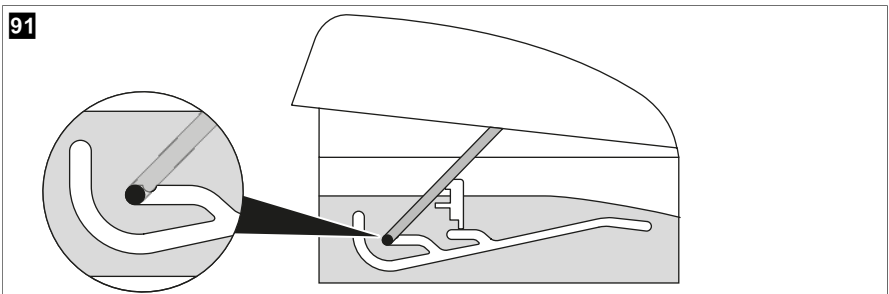
- a) Slide the handle into the position displayed in  Fig. 89 on page 151 to open the roof light **completely**.



- b) Slide the handle into the position displayed in  Fig. 90 on page 151 to open the roof light to the **intermediate position**.

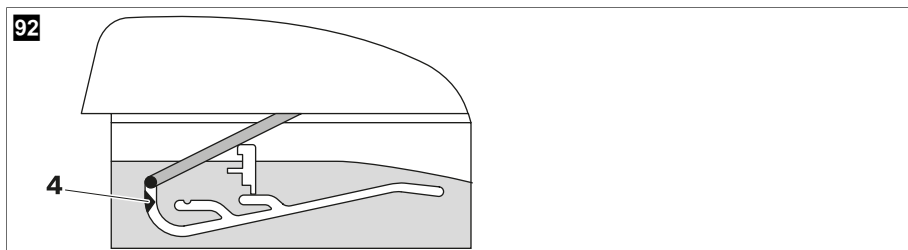


- c) Push down the sliders (3) on the left and right to lock the roof light in intermediate position.
- d) Slide the handle into the position displayed in  Fig. 91 on page 151 to open the roof light to the **continuous ventilation position**. Ensure that it clicks into the locking position at the back.



Closing the roof light

1. Slide the handle (2) into the position displayed in  Fig. 92 on page 152.
2. Guide the handle with slight pressure to the left and right via the catches (4) so that the dome of the roof light is closed and locked and the handle is on the release button (1).



3.2 Opening and closing the roller blind



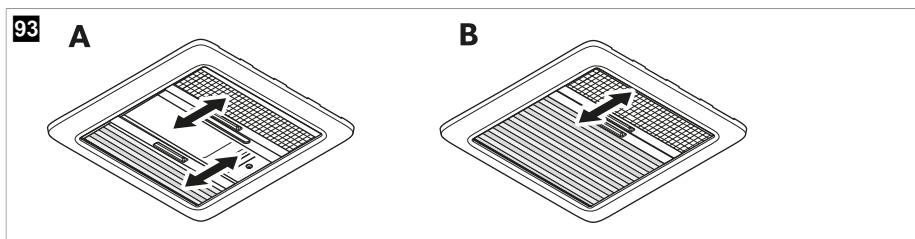
NOTICE! Damage hazard

In strong sunlight, only close the blackout roller blind by a maximum of two thirds to prevent damage caused by heat build-up between the blind and the window.



NOTE The blackout roller blind and the flyscreen can be adjusted separately.

- > Hold the recessed handle of each roller blind and pull it into the required position.



4 Cleaning and maintenance



NOTICE! Damage hazard

- > Do not use any sharp or hard objects for cleaning, as these can damage the acrylic glass.
- > Do not use cleaning agents containing alcohol.
- > Only use cleaning agents approved by the manufacturer (documents.dometic.com).



NOTE The roof window clouds over in bright sunshine. It becomes clear again as soon as it cools down.

Description	Ref. no.
Special Polishing Cloth, for acrylic glass	9600000130
Acrylic Glass Cleaner	9620017549

- > Regularly clean the roof window and the roller blind with mild soap and water.
- > Only for models without ventilation: Put talcum powder on the rubber seal.

5 Troubleshooting

Problem	Possible cause	Suggested remedy
The roof light does not close completely.	Dirt between the glass and the frame	> Clean the window. > Remove any leaves and twigs between the glass and the frame.
The flyscreen or roller blind cannot be moved.	Dirt on the side guides	Clean the side guides.



NOTE If you are unable to rectify the fault, contact a specialist workshop.

Roof light Midi Heki FL

1	Safety instructions.....	154
2	Intended use.....	154
3	Operation.....	155
4	Cleaning and maintenance.....	158
5	Troubleshooting.....	159

1 Safety instructions



WARNING! Health hazard

Do **not** exceed the maximum allowable driving speed of 160 km/h, as this can damage the roof light. Parts that come loose may injure people in the vicinity.



CAUTION! Health hazard

- > Before starting a journey, check that the roof light is properly closed and locked.
- > Before starting a journey, check the roof light for damage (such as tension cracks in the acrylic glass).
- > Do **not** open the roof light while driving.



NOTICE! Damage hazard

- > Seek out a authorized workshop immediately if errors or malfunctions occur.
- > Do **not** tread on the glass dome.
- > Do **not** open the roof light during strong wind or rain.
- > Close the roof light if it rains or snows.
- > Do **not** leave the vehicle with the roof light open.
- > Keep the roof light free of snow and ice.



NOTE Noise could occur depending on the vehicle design or installation position. In case of excessive noise, a spoiler (accessory) can be used.

2 Intended use

The roof light is intended for installation in motor homes and caravans to allow daylight into the living space and enable natural airflow and ventilation.

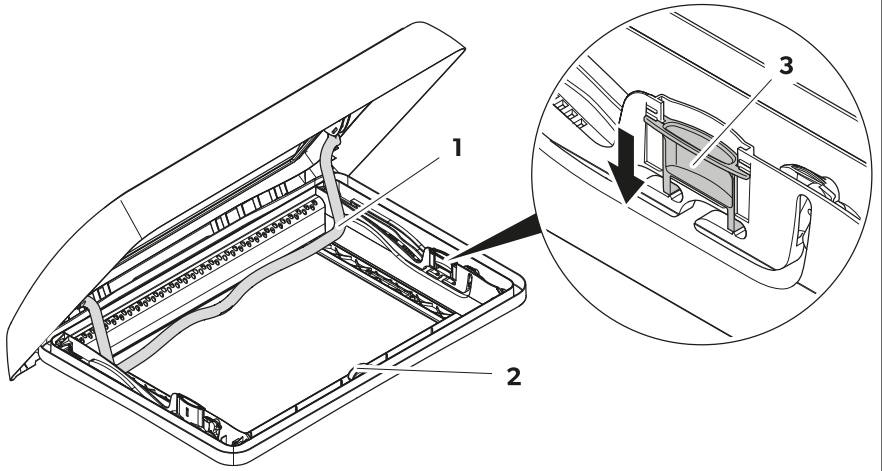
3 Operation

3.1 Using the lever version

Opening the roof light

- > Press the release button (2) and open the roof hood with the handle (1) at the same time.

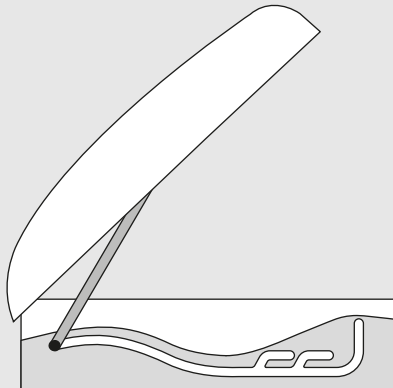
94



- > Slide the handle into **position I** to open the roof light **completely**.

95

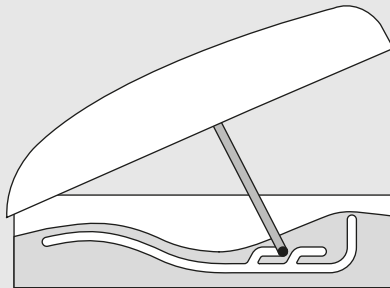
I



- > Slide the handle into **position II** to open the roof light to the **intermediate position**.

96

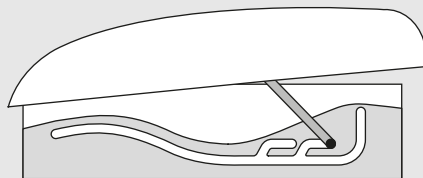
II



- > Slide the handle into **position III** to open the roof light to the **continuous ventilation position**. Ensure that it clicks into the locking position at the back.

97

III

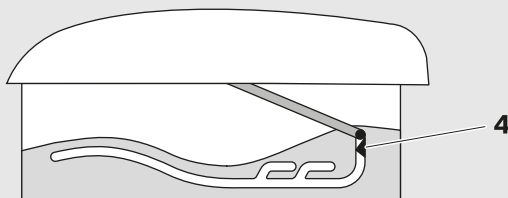


Closing the roof light

1. Slide the handle (1) into **position IV**.
2. Guide the handle with slight pressure to the left and right via the catches (4) so that the dome of the roof light is closed and locked and the handle is on the release button (2).

98

IV

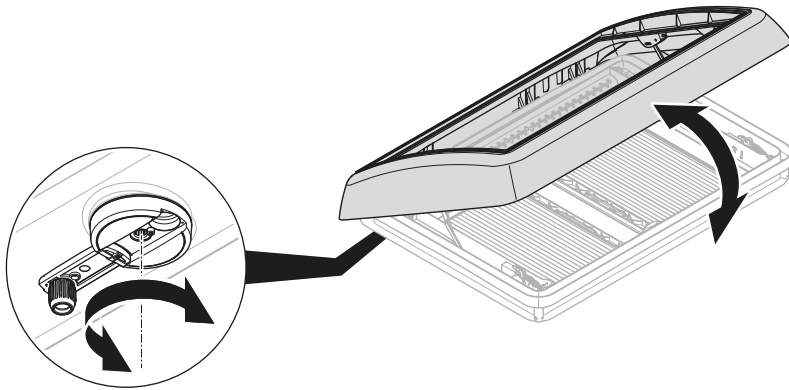


Locking the roof light

- > Push the lock (Fig. 94 on page 155, 3) left and then down and to the right to lock the roof light in intermediate position or continuous ventilation.

3.2 Using the crank version

99



Opening the roof light

- > Turn the hand crank clockwise to open the roof light.



NOTE Turn the hand crank until you feel its resistance. The maximum opening angle of the roof light is approx. 70°.

Closing the roof light

1. Turn the hand crank anti-clockwise to close the roof light.

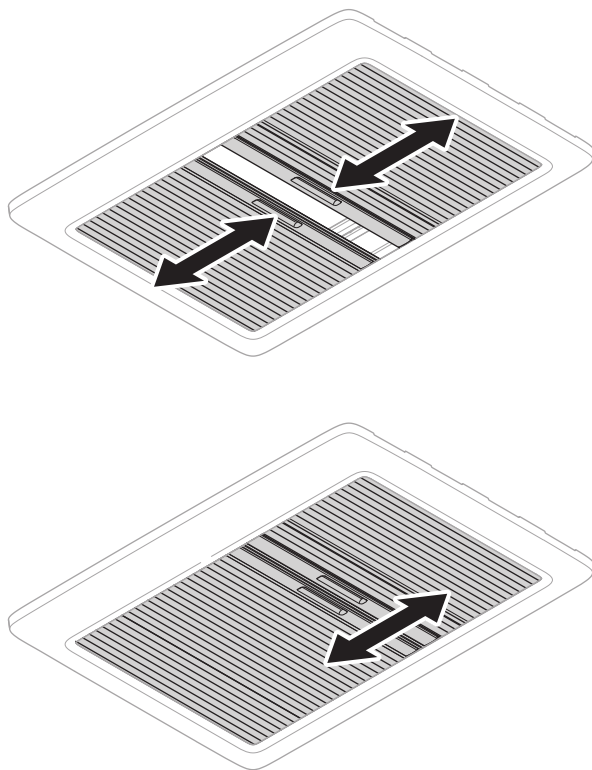


NOTE Turn the hand crank until you feel its resistance.

2. Without using force try to push up the glass dome by hand to check whether the roof light is locked properly.

3.3 Opening and closing the roller blind

100



NOTICE! Damage hazard

In strong sunlight, only close the blackout roller blind by a maximum of two thirds to prevent damage caused by heat build-up between the blind and the window.



NOTE The roller blind and the flyscreen can be adjusted separately.

- > Hold the recessed handle of each roller blind and pull it into the required position.

4 Cleaning and maintenance



NOTICE! Damage hazard

- > Do not use any sharp or hard objects for cleaning, as these can damage the acrylic glass.
- > Do not use cleaning agents containing alcohol.
- > Only use cleaning agents approved by the manufacturer (documents.dometic.com).



NOTE The roof window clouds over in bright sunshine. It becomes clear again as soon as it cools down.

Description	Ref. no.
Special Polishing Cloth, for acrylic glass	9600000130
Acrylic Glass Cleaner	9620017549

- > Regularly clean the roof window and the roller blind with mild soap and water.
- > Only for models without ventilation: Put talcum powder on the rubber seal.

5 Troubleshooting

5.1 All versions

Problem	Possible cause	Suggested remedy
The roof light does not close completely.	Dirt between the glass and the frame	> Clean the window. > Remove any leaves and twigs between the glass and the frame.
The flyscreen or roller blind cannot be moved.	Dirt on the side guides	Clean the side guides.



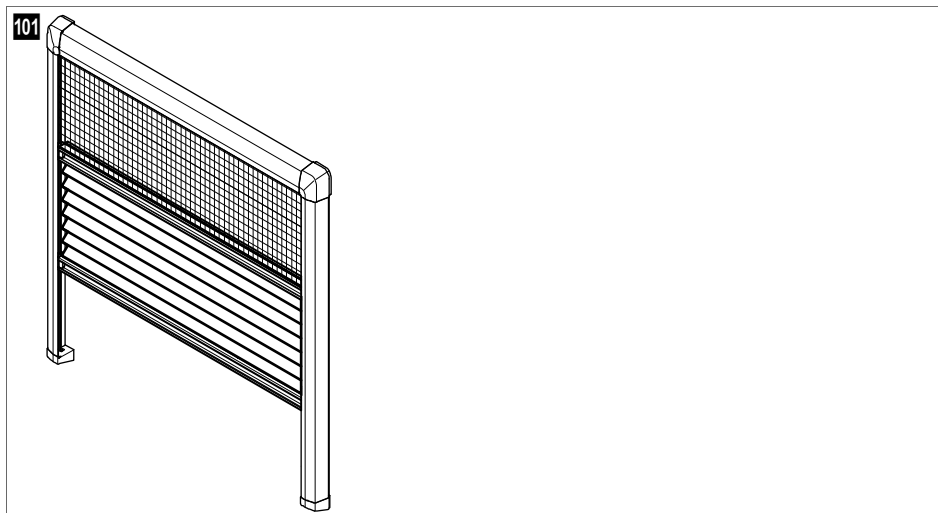
NOTE If you are unable to rectify the fault, contact an authorized workshop.

Roller blind DB3/easy-adjust blind

1	Operation.....	160
2	Cleaning and maintenance.....	162

1 Operation

1.1 Deploying and retracting the roller blind



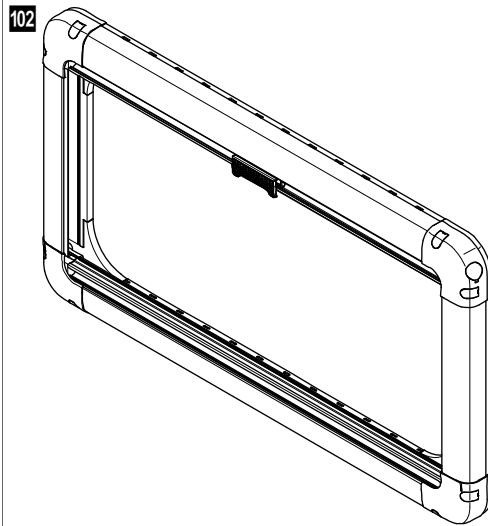
NOTICE! Damage hazard

- > In strong sunlight, only close the blind by a maximum of two thirds to prevent damage caused by heat build-up between the blind and the window.
- > Do not leave the roller blind deployed for long periods of time to avoid material fatigue.

The roller blind consists of the blackout blind and the insect screen.

- > Pull the blackout blind and the insect screen into the desired position using the handle bar.
- ✓ If the tension is set correctly, the blackout blind and the insect screen remain in position.

1.2 Using the easy-adjust blind



The easy-adjust blind consists of the blackout blind and the insect screen.

Retracting the easy-adjust blind



NOTICE! Damage hazard

- > In strong sunlight, only close the blind by a maximum of two thirds to prevent damage caused by heat build-up between the blind and the window.
- > Do not leave the roller blind deployed for long periods of time to avoid material fatigue.



NOTE The end rod of the easy-adjust blind can be adjusted continuously.

1. Pull the rod of the insect screen downwards until it latches into the connecting rod of the blackout blind.
2. Pull the blackout blind and the insect screen by the end rod into the desired position.

Deploying the easy-adjust blind



NOTICE! Damage hazard

Do not leave the blind deployed for long periods of time to avoid material fatigue.

1. Separate the fly screen from the blackout blind by pressing the pivot on the fly screen.
2. Pull the insect screen by the end rod into the desired position.
3. Pull the blackout blind by the end rod into the desired position.

2 Cleaning and maintenance



NOTICE! Damage hazard

Do not use sharp or hard objects, abrasive cleaning agents or bleach during cleaning as these may damage the device.

- > Occasionally clean the product with a damp cloth.
- > Regularly spray a small amount of silicone spray onto the surface of the rails to ensure that the rods slide easily into the guide rails on both sides.
- > If the vehicle is stationary for a long period of time, pull up the blackout until the individual honeycombs are pulled apart slightly so that the honeycomb system is ventilated on both sides (mold prevention).

Smoke alarm FA25

1	Safety instructions.....	163
2	Intended use.....	163
3	Technical description.....	163
4	Using the smoke alarm.....	164
5	Behavior in the event of an alarm.....	167
6	Cleaning and maintenance.....	168
7	Technical data.....	168

1 Safety instructions



WARNING! Health hazard

- > The smoke alarm is not effective in certain situations, e.g.
 - If you smoke in bed
 - If children are left unsupervised in living areas
 - If flammable liquids (e.g. petrol) are used for cleaning
- > The smoke alarm only functions with batteries that have adequate charging capacity. Test the smoke alarm weekly.
- > The smoke alarm must not be painted over.
- > The housing of the smoke alarm must not be opened, otherwise proper function can no longer be ensured.
- > Sunlight heats up the roof and the air in the upper part of the living area. Hot air may prevent the smoke from a smoldering fire reaching the smoke alarm.
- > Have a fire extinguisher at the ready.
- > If cooking, heating or cooling with liquefied petroleum gas (LPG), an additional gas detector is recommended.

2 Intended use

The smoke alarm is intended for installation in living areas.

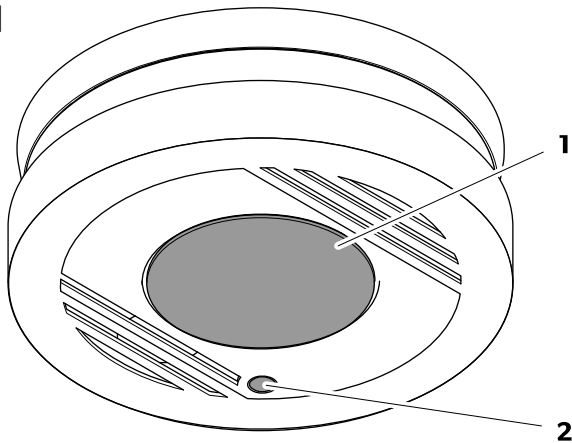
The smoke alarm is designed to detect smoke at an early stage. A well placed smoke alarm provides a timely warning of danger.

The smoke alarm cannot prevent a fire.

3 Technical description

The photoelectric smoke alarm has a diode inserted in its smoke chamber. This diode emits an infrared beam which passes through the chamber uninterrupted. If there is a sufficient concentration of smoke particles in the chamber, the light beam is broken and dispersed. The broken light beam hits a sensor and triggers the alarm.

103



Item in  Fig. 103 Designation
on page 164

1	TEST/HUSH button
2	LED

4 Using the smoke alarm



WARNING! Health hazard

- > Familiarize yourself with the sound of the smoke alarm.
- > Keep the air vents free.
- > Test the smoke alarm weekly (see chapter Testing the smoke alarm on page 167).
- > Replace the smoke alarm every 8 years.



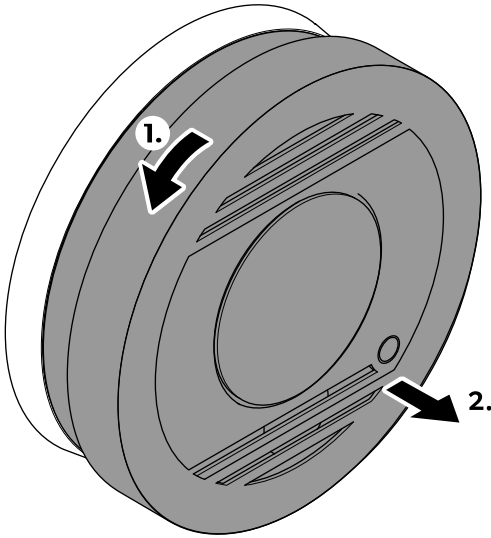
NOTE

- The smoke alarm LED flashes approximately once a minute to signal its operational readiness.
- When the battery power is low, the smoke alarm beeps approximately once a minute.

4.1 Replacing the battery

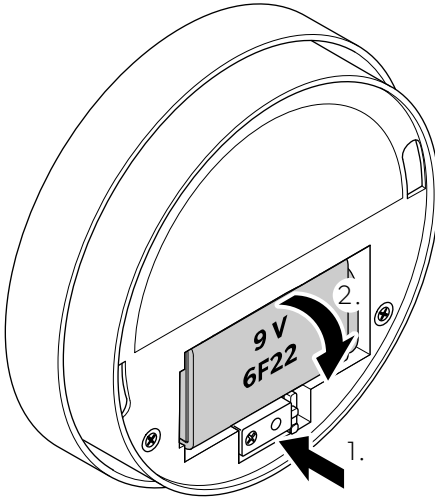
1. Loosen the smoke alarm from the base plate.

104



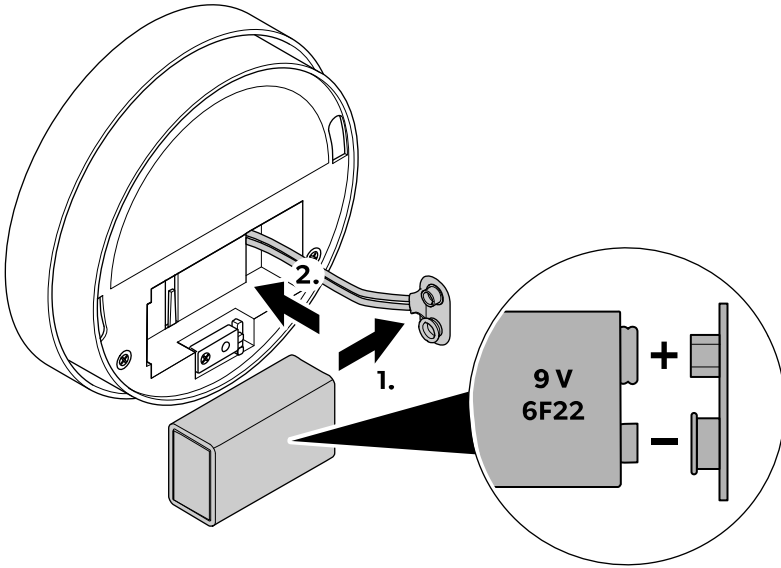
2. Remove the old 9 V battery if necessary.

105



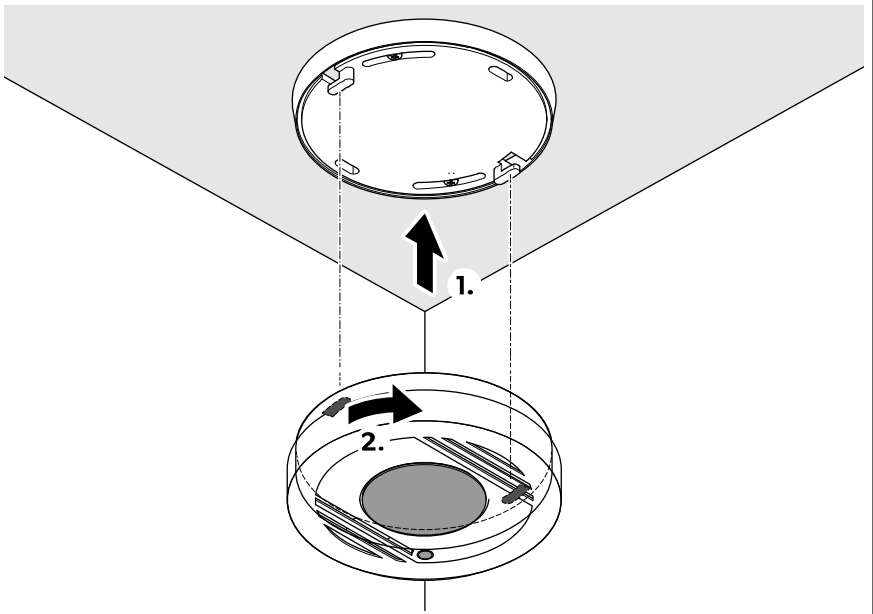
3. Insert a new 9 V battery.

106



4. Reattach the smoke alarm to the base plate.

107



5. Perform a functional test (see chapter Testing the smoke alarm on page 167).

4.2 Testing the smoke alarm

1. Press and hold the **TEST/HUSH** button ( Fig. 103 on page 164, 1).
 ✓ The alarm signal sounds.

2. Release the **TEST/HUSH** button.

✓ The alarm signal stops.

If no alarm signal sounds, proceed as follows:

3. Check the charging capacity of the battery.
4. Replace the battery if necessary (see chapter Replacing the battery on page 164).
 ✓ If the alarm signal does not sound, the smoke alarm must be replaced.

5 Behavior in the event of an alarm



WARNING! Health hazard

Never assume that an alarm is a false alarm.



NOTE Environmental influences can cause a false alarm:

- The smoke from cigarettes does not normally set off the alarm unless the smoke blows directly into the smoke alarm.
- Combustion particles produced by cooking may sometimes set off the alarm.
- If there is a high concentration of smoke particles, the acoustic alarm signal cannot be muted.

If the alarm signal sounds, proceed as follows:

1. Vacate all rooms immediately without delay.

Do not open any doors without first checking the surface. If the surface is hot or if smoke enters under the door, do not open the door.

Keep down close to the floor if the air is full of smoke. Breathe through a cloth. Dampen the cloth in advance, if possible.

2. Do not reenter the living areas.

If you notice a fire, proceed as follows:

1. Make other people in the vicinity aware of the fire.
2. Call the fire brigade.

If you notice a false alarm, proceed as follows:

1. Press the **TEST/HUSH** button.
 ✓ The smoke alarm is less sensitive for the next ten minutes.

The acoustic alarm signal is muted for the next ten minutes.

The LED flashes every 10 s.

2. Rectify the cause of the false alarm.
 ✓ After 10 min the smoke alarm automatically switches back on.

6 Cleaning and maintenance



WARNING!

Ensure that the air vents are free of contamination (e.g. dust or insects).

- > Wipe the smoke alarm occasionally with a dry cloth.
- > Regularly clean the air vents. Use a vacuum cleaner with a brush.

7 Technical data

Power supply	9 V  (battery)
Dimensions	ø 100 × 35 mm
Weight	120 g
Operating temperature	4 ... 38°C
Humidity during operation	25 ... 85 %
Smoke sensor	Photoelectric
Alarm volume	85 dB(A) at 3 m
Inspection/certification	



dometic.com

YOUR LOCAL DEALER

dometic.com/dealer

YOUR LOCAL SUPPORT

dometic.com/contact

YOUR LOCAL SALES OFFICE

dometic.com/sales-offices
