DOMETIC

OPERATING MANUAL

Dometic convenience products for Fendt recreational vehicles







Refrigerator

Cooktop

Switchmode power supply

Windows

Smoke alarm

EN

FENDT CARAVAN

General information

1 Explanation of symbols 12

2 Disclaimer 13

3 Disposal 13

4 Warranty 13

Absorber refrigerators

Safety Instructions 16

1 General Safety 16

2 Safety when operating 18

3 Safety when operating with gas 20

Absorber refrigerator RMD10.5T, 10.5 XT

1 Accessories 23

2 Intended use 23

3 Technical description 24

3.1 Operating and display elements 24

4 Using the refrigerator 26

4.1 Tips for optimal refrigerator operation 26

4.2 Operating in low outdoor temperatures 26

4.3 Operation at high ambient temperatures 27

4.4 Switching on the refrigerator 27

4.5 Switching off the refrigerator 27

4.6 Operating the refrigerator 27

4.7 Tank stop mode 29

4.8 Stand-alone gas operation (accessory) 29

4.9 Fan operation (optional) 30

4.10 Setting the cooling capacity 30

4.11 Using the refrigerator door/frozen compartment door 31

4.12 Notes on storing food 32

4.13 Positioning the shelves 33

4.14 Defrosting the refrigerator 35

4.15 Positioning the refrigerator door into winter position 36

4.16 Optional battery packs 37

5 Troubleshooting 38
5.1 Fault messages and signal tones 39

6 Cleaning and maintenance 44
6.1 Cleaning the gas burner 44
6.2 Maintenance 46

7 Disposal 46

8 Technical data 47

Absorber refrigerator RML10.4, 10.4S, 10.4T

1 Accessories 49

2 Intended use 49

3 Technical description 49
3.1 Operating and display elements 50

4 Using the refrigerator 52
4.1 Tips for optimal refrigerator operation 53
4.2 Operating in low outdoor temperatures 53
4.3 Switching on the refrigerator 55
4.4 Switching off the refrigerator 55
4.5 Operating the refrigerator (RML10.4T) 56
4.6 Operating the refrigerator (RML10.4 and RML10.4S) 57
4.7 Tank stop mode 57
4.8 Stand-alone gas operation (accessory) 58
4.9 Fan operation (optional) 59
4.10 Setting the cooling capacity 59
4.11 Using the refrigerator door/frozen compartment door (RML10.4 and RML10.4T) 59
4.12 Using the refrigerator door (RML10.4S) 60
4.13 Notes on storing food 62
4.14 Positioning the shelves 63
4.15 Removing the frozen compartment 66
4.16 Defrosting the refrigerator 66
4.17 Positioning the refrigerator door into winter position 68

5 Troubleshooting 69
5.1 Fault messages and signal tones 70

6 Cleaning and maintenance 76
6.1 Cleaning the gas burner 76
6.2 Maintenance 78

7 Disposal 78

8 Technical data 79

Absorber refrigerator RMS10.5XT

1 Accessories 81

2 Intended use 82

3 Technical description 82
3.1 Operating and display elements 83

4 Using the refrigerator 85
4.1 Tips for optimal refrigerator operation 85
4.2 Operating in low outdoor temperatures 85
4.3 Switching on the refrigerator 86
4.4 Switching off the refrigerator 86
4.5 Operating the refrigerator 87
4.6 Tank stop mode 88
4.7 Stand-alone gas mode (accessory) 88
4.8 Setting the cooling capacity 89
4.9 Fan operation (optional) 89
4.10 Using the refrigerator door 90
4.11 Notes on storing food 90
4.12 Positioning the shelves 91
4.13 Removing the frozen compartment 92
4.14 Defrosting the refrigerator 92
4.15 Positioning the refrigerator door into winter position 94
4.16 Optional battery packs 95

5 Troubleshooting 96
5.1 Fault messages and signal tones 97

6 Cleaning and maintenance 101
6.1 Cleaning the gas burner 101
6.2 Maintenance 103

7 Disposal 103

8 Technical data 104

Compressor refrigerators

Safety Instructions 106
1 General safety 106
2 Safety when operating 108

Compressor refrigerator RCL10.4ET

1 Intended use 111

2 Technical description 111
2.1 Operating and display elements 112

3 Operating the refrigerator 113
3.1 Before first use 113
3.2 Notes on storing food 114
3.3 Saving energy 114
3.4 Operating the refrigerator 115
3.5 Using the refrigerator door 117
3.6 Using the VG fresh base 117
3.7 Positioning the shelves 118
3.8 Removing the frozen compartment 120
3.9 Defrosting the refrigerator 121
3.10 Positioning the refrigerator door into winter position 122

4 Troubleshooting 123
4.1 Error and warning indication 124
4.2 Troubleshooting with the refrigerator door 125

5 Cleaning and maintenance 126

6 Disposal 127

7 Technical data 128

Compressor refrigerator RCD10.5XET

1 Intended use 129

2 Technical description 129
2.1 Operating and display elements 129

3 Operating the refrigerator 131
3.1 Before first use 131
3.2 Notes on storing food 131
3.3 Saving energy 132
3.4 Operating the refrigerator 133
3.5 Using the refrigerator door 135
3.6 Using the VG fresh base 136
3.7 Positioning the shelves 137

4 Storing the refrigerator 138

5 Troubleshooting 139
5.1 Error and warning indication 140

6 Cleaning and maintenance 141
6.1 Replacing the LED light 141
6.2 Defrosting the refrigerator 142

7 Disposal 144

8 Technical data 145

Liquid gas stove CVC1700G

1 Safety instructions 149
1.1 Preliminary notes 150
1.2 General safety 150
1.3 Safety precautions when handling liquid gas 151
1.4 Operating the device safely 152

2 Scope of delivery 154

3 Accessories 154

4 Intended use 155

5 Technical description 155
5.1 Control panel 155

5.2 Function 156

6 Using the device 156
6.1 Switching on 156
6.2 Switching off the device 159
6.3 Replacing the gas container 159

7 Cleaning and maintenance 159
7.1 Cleaning the device 159
7.2 Annual safety check 160
7.3 Replacing the nozzles 160

8 Technical data 163

Power supply unit

Safety Instructions 166
1 General Safety 166
2 Operating the device safely 167
3 Safety precautions when handling vehicle batteries 168

Switch-mode power supply SMP 301-02, -03, -11

1 Scope of delivery 171

2 Accessories 171

3 Intended use 171

4 Technical description 172
4.1 Connections and displays 173

5 Using the switch-mode power supply 175
5.1 Using the surge protection device (optional) 176
5.2 Replacing the plug-in fuses 177

6 Maintaining and cleaning the switch-mode power supply 179

7 Troubleshooting 180

8 Technical data 182

Battery charger SMP 439-09

1 Scope of delivery 183

2 Intended use 183

3 Technical description 183
3.1 Connections and control elements 184
3.2 Status LED 185

4 Using the device 185
4.1 Battery charging function 186
4.2 Selecting the battery type 187

5 Cleaning and maintenance 188

6 Troubleshooting 188

7 Technical data 189
7.1 General technical data 189
7.2 Input data 190
7.3 Output data 190
7.4 Protective mechanisms 190

C 8 hinged window

1 Safety instructions 193

2 Using the hinged window 193
2.1 Opening the hinged window 193
2.2 Closing the hinged window 194
2.3 Setting continuous ventilation 195

3 Maintaining and cleaning the hinged window 196

Cassette roller blind 3000

1 Using the roller blind 197
1.1 Closing the roller blind 197
1.2 Opening the roller blind 197

2 Cleaning and maintenance 198

Mini Heki FL roof light

1 Safety instructions 199

2 Using the Mini Heki FL 200
2.1 Opening and closing the Mini Heki FL 200
2.2 Opening and closing the roller blind 202

3 Troubleshooting 202

4 Cleaning and maintenance 203

Roof light Midi Heki FL/ Skylight

1 Safety Instructions 205

2 Using the roof light 206
2.1 Using the version with lever 206
2.2 Using the version with crank 209

3 Opening and closing the roller blinds 210

4 Troubleshooting 211

5 Cleaning and maintenance 211

Roller blind DB 3/easy-adjust blind

1 Using the DB3 roller blind 213
1.1 Closing the roller blind 213
1.2 Opening the roller blind 214

2 Using the easy-adjust blind 214
2.1 Closing the easy-adjust blind 214
2.2 Opening the easy-adjust blind 215

3 Cleaning and maintenance 215

Smoke alarm FA25

1 Safety Instructions 219

2 Intended use 219

3 Technical description 219

4 Using the smoke alarm 220
4.1 Replacing the battery 221
4.2 Testing the smoke alarm 223

5 Behavior in the event of an alarm 223

6 Cleaning and maintenance 224

7 Disposal 224

8 Technical data 225

General information

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.

1 Explanation of symbols



DANGER!
Safety instruction: Indicates a hazardous situation that, if not avoided, will result in death or serious injury.



WARNING!
Safety instruction: Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION!
Safety instruction: 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.

2 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.

3 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.

4 Warranty

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

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

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

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

DOMETIC

REFRIGERATION 10 SERIES



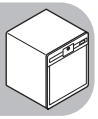


Absorber refrigerators

RMD 10.5T, RMD 10.5XT

RML 10.4 , RML 10.4T, RML 10.4S

RMS 10.5XT



Safety Instructions

1 General Safety



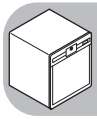
WARNING! Failure to obey these warnings could result in death or serious injury

Electrocution hazard

- Installation and removal of the refrigerator may only be carried out by qualified personnel.
- Do not operate the refrigerator if it is visibly damaged.
- This refrigerator may only be repaired by qualified personnel. Improper repairs can result in considerable danger or damage to the refrigerator.
- If this refrigerator's power cable is damaged, it must be replaced by the manufacturer, a service agent or a similarly qualified person in order to prevent safety hazards.
- When positioning the refrigerator, ensure that the supply cord is not trapped or damaged.
- Do not locate multiple portable socket-outlets or portable power supplies at the rear of the refrigerator.
- Connect the device to a socket that guarantees a suitable connection, especially if the device needs to be grounded.
- If the device is powered by the mains, ensure that the power supply has a residual current circuit breaker (RCCB) or a ground fault circuit interrupter (GFCI). The installation must comply with all applicable regulations, especially in potentially damp areas.

Explosion hazard

- Do not spray aerosols in the vicinity of the refrigerator while it is in operation.
- Do not store any explosive substances, such as spray cans with propellants, in the refrigerator.
- Never open the absorber unit. It is under high pressure and can cause injury if it is opened.



Health hazard

- This refrigerator 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 refrigerator in a safe way and understand the hazards involved.
- Children aged from 3 to 8 years are allowed to load and unload the refrigerator.
- Cleaning and user maintenance shall not be performed by children without supervision.
- Children must be supervised to ensure that they do not play with the refrigerator.

Risk of child entrapment

- Make sure that the shelves are mounted and secured so that children cannot lock themselves in the refrigerator.
- Before disposing of your old refrigerator:
  - Dismantle the drawers.
  - Leave the shelves in the refrigerator so that children cannot climb inside.
  - Take off the doors.



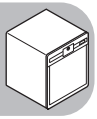
CAUTION! Failure to obey these cautions could result in minor or moderate injury.

Health hazard

- To prevent hazards due to instability of the refrigerator, it must be fixed in accordance with the installation instructions.
- Keep ventilation openings, on the refrigerator 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 refrigerator unless they are recommended by the manufacturer for that purpose.

Risk of injury

- Do not use or store flammable materials in or near the refrigerator.
- Do not place any objects on or lean them against the refrigerator.



- Do not modify the refrigerator in any way.



NOTICE! Damage hazard

- Select operation with the DC network only if the vehicle engine is running and the light system provides sufficient voltage, or if you are using a battery monitor.
- Always keep the condensation drain clean, if present.
- If the refrigerator has a ventilation grille, do not use a high-pressure water cleaner to clean the vehicle in the area of the ventilation grilles.
- The refrigerator may not be exposed to rain.

2 Safety when operating



DANGER! Failure to obey these warnings will result in death or serious injury.

Electrocution hazard

- Do not touch exposed cables with your bare hands.
- Before starting the refrigerator, ensure that the power supply line and the plug are dry.



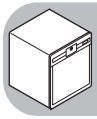
CAUTION! Failure to obey these cautions could result in minor or moderate injury.

Health hazard

- Ensure that foodstuffs do not touch the walls of the cooling area.
- Clean regularly surfaces that can come in contact with food and accessible drainage systems.
- 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.
- If the refrigerator is left empty for long periods:
  - Switch off the refrigerator.
  - Defrost the refrigerator.
  - Clean and dry the refrigerator.
  - Leave the door open to prevent mold developing within the refrigerator. If available, move the refrigerator door and freezer compartment door into the winter position.

Risk of injury

- Do not place your hand on the hinge.
- Close and lock the refrigerator door before beginning a journey.



- The cooling system at the back of the refrigerator becomes very hot during operation. If the refrigerator is equipped with ventilation grilles, protect yourself from contact with hot parts when removing the ventilation grilles.
- The device door or the freezer door can completely detach from the device if used incorrectly. Push the doors closed until you hear a clear click at the top and bottom.



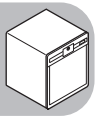
NOTICE! Damage hazard

- Do not lean on the open refrigerator door.
- Only store heavy objects such as bottles or cans in the refrigerator door, in the vegetable compartment or on the bottom shelf.
- If the refrigerator has a double-sided door and the door is not locked correctly on the opposite side, push on that side at the top and the bottom until it locks in place.
- **Risk of overheating**
  Always ensure sufficient ventilation so that the heat generated during operation can dissipate. Make sure that the refrigerator is sufficiently far away from walls or other objects so that the air can circulate.
- Do not fill the interior with liquids or ice.
- Protect the refrigerator and the cable against heat and moisture.
- Never pull the plug out of the socket by the cable.



NOTE

- Ask your vehicle manufacturer if the battery management system of your vehicle shuts down the refrigerator to protect the battery.
- For ambient temperatures of +15 °C to +25 °C, select the average temperature setting.
- If the door is not locked correctly on the opposite side, push on that side at the top and the bottom until it locks in place.



- **To avoid food waste, note the following:**
  - Keep temperature fluctuation as low as possible. Only open the refrigerator and the freezer compartment as often and for as long as necessary. Opening the door for long periods can cause 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.
  - Make sure that you only put items or goods in the refrigerator which may be chilled at the selected temperature.
  - Store the different foodstuff types as shown in the figures.
  - If the temperature can be adjusted: Adjust the temperature to the quantity and type of the foodstuff.
  - Foodstuff can easily absorb or release odor or taste. Always store foodstuff covered or in closed containers/bottles.

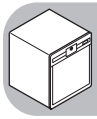
3 Safety when operating with gas



WARNING! Failure to obey these warnings could result in death or serious injury

Explosion hazard

- **Only** operate the refrigerator at the pressure shown on the data plate. Only use pressure regulators with a fixed setting which comply with the national regulations.
- **Only** operate the refrigerator with gas while driving if the vehicle manufacturer permits the operation of the gas system while driving (see vehicle manual).
- Check the national requirements for operating the refrigerator with gas while driving.
- **Never** operate the refrigerator with gas:
  - At petrol stations
  - In parking garages
  - On ferries
  - While transporting the caravan or motorhome with a transport vehicle or tow truck
- **Never** use a naked flame to check the refrigerator 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 any 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

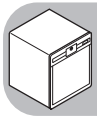
- Only use Universal LPG, **not** natural gas (see data plate).



NOTE

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

Absorber refrigerator RMD 10.5T, 10.5 XT



1 Accessories

Description
Winter cover LS 300 for the ventilation grille
Optional Fan Kit REF-FANKIT
Optional Battery Pack R10-BP for stand-alone gas operation
Optional Ø 2.5/5.5 mm connector for stand-alone gas mode with a 9-V⎓ power bank (power bank not included)

2 Intended use

The refrigerator is suitable for:

- Installation in motorhomes and caravans
- Cooling, deep-freezing and storing food
- Mounting in a cabinet or an installation niche

The refrigerator is not suitable for:

- Storing medications
- Storing caustic substances or substances that contain solvents
- Freezing of food
- Household use

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

3 Technical description

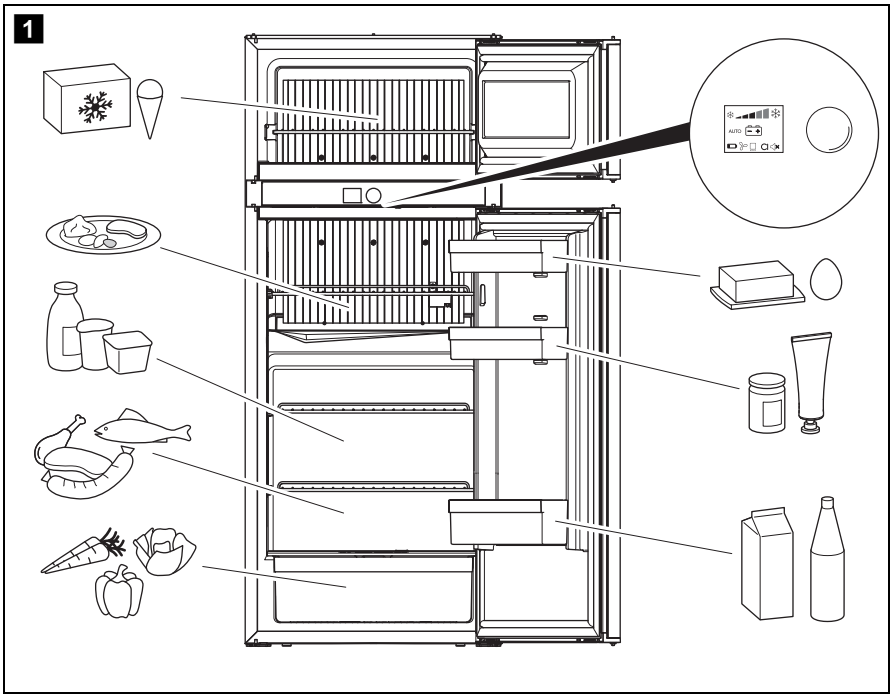
The refrigerator is an absorber refrigerator and is designed for operation

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

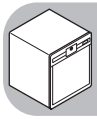
The refrigerator has an automatic operating mode that selects the most economical connected type of energy. The refrigerator unit operates silently.

3.1 Operating and display elements

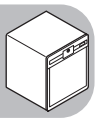
The TFT display features the following operating and display elements (fig. **1**):



Icon	Description
	Cooling capacity indicator
	Operation with AC power
	Operation with DC power



Icon	Description
	Operation 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.
	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 seconds, 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.
	Confirm selection and return to the main menu.



4 Using the refrigerator

NOTE

- Before starting your new refrigerator for the first time, clean it inside and outside with a damp cloth for hygienic reasons.
- 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.
- Park the vehicle so that it is level, especially when starting up and filling the refrigerator before setting off on a journey.
- The cooling capacity can be influenced 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

4.1 Tips for optimal refrigerator operation

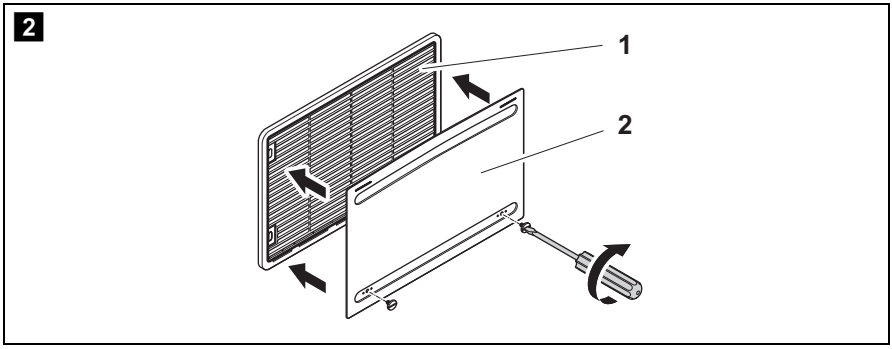
- Do not store goods in the refrigerator for the first 12 hours of operation.
- Protect the interior of the vehicle from warming up excessively (e.g. sunshades in the windows, air conditioner).
- Protect the refrigerator from direct sunlight (e.g. sunshades in the windows).

4.2 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 LS 300 winter covers (accessory) as shown (fig. **2**).



4.3 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.

4.4 Switching on the refrigerator

➤ Press the control button for 2 seconds.

✓ The refrigerator starts with the last selected settings.

4.5 Switching off the refrigerator

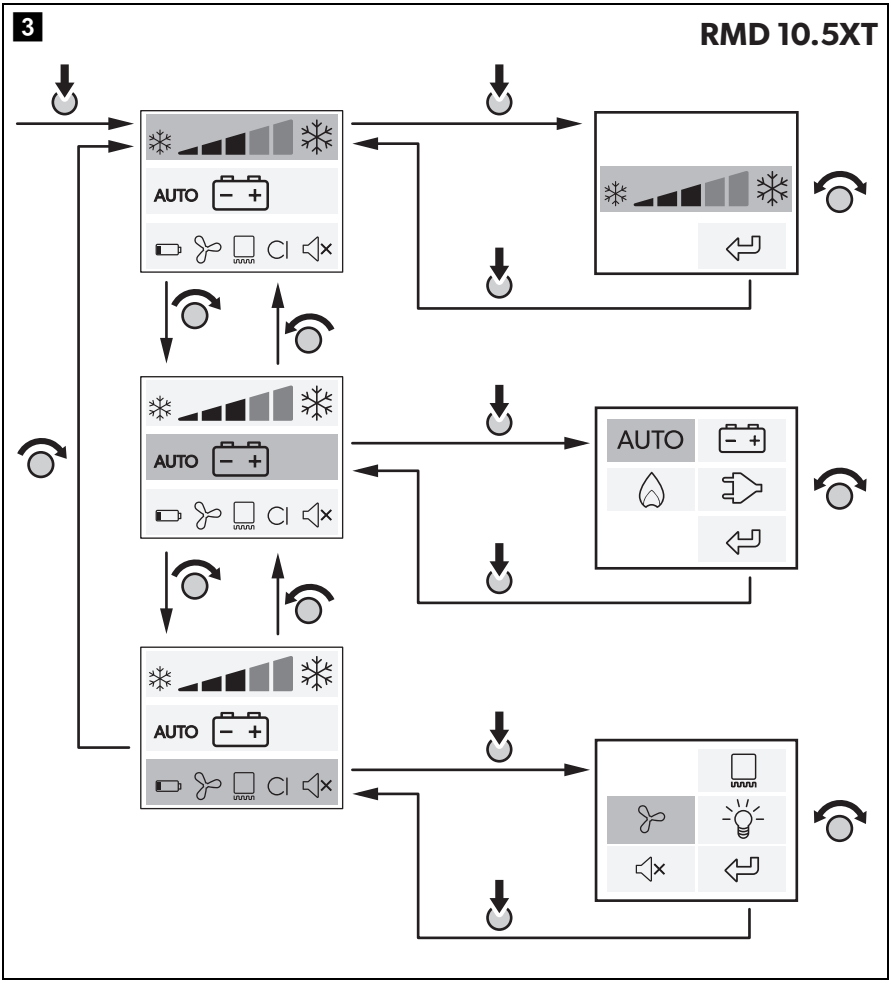
➤ Press the control button for 4 seconds.

✓ A beep sounds and the refrigerator switches off.

4.6 Operating the refrigerator

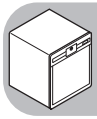
Menu navigation: fig. 3

➤ Press the control knob to activate the TFT display.



The main menu is divided into three lines:

Main menu	Detail menu
	Cooling capacity menu
AUTO	Operating mode menu
	Settings menu



1. Turn the control knob to select the desired detail menu.
2. Press the control knob to open the selected detail menu.
3. Turn the control knob to navigate through the detail menu.

✓ Selected settings are displayed in blue.

4. Press the control knob to choose the selected setting.
5. Confirm the selection with ⏎.

4.7 Tank stop mode

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

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 minutes. After that, the refrigerator automatically switches back to automatic mode.

In tank stop mode, the symbol is displayed.

4.8 Stand-alone gas operation (accessory)

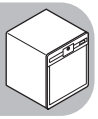
WARNING!
In stand-alone gas mode, the refrigerator must be switched off manually during refueling.

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).

For stand-alone gas mode, the optional battery packs must be installed. This make 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 seconds after the last activity.



- The display switches on briefly every 15 seconds. This indicates that the refrigerator is on.
- If there are error messages, the display stays switched on.

Stand-alone gas mode is indicated by the symbols and .

The batteries of the battery packs must be replaced when the error "E 14" is displayed.

4.9 Fan operation (optional)

For fan operation the optional fan 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.
- When the fan function is activated.

The fan operation is indicated by the symbol .

4.10 Setting the cooling capacity

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

➤ Select the desired temperature level in the cooling capacity menu.

4.11 Using the refrigerator door/frozen compartment door

CAUTION! Risk of injury
- The refrigerator door or frozen compartment door can completely detach from the device if used incorrectly.
- Do not lean on the open refrigerator door.

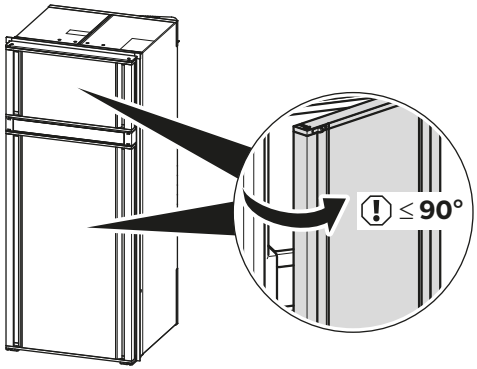
NOTE
If the door is not locked correctly on the opposite side, carefully push on the top and bottom of the door on that side until it locks into place.

Closing and locking the refrigerator door/frozen compartment door

➤ Press the door shut until you hear it clearly click at the top and bottom.

✓ The door is now closed and secured.

4



4.12 Notes on storing food

CAUTION! Health hazard

- Check if the cooling capacity of the refrigerator is suitable for the food you want to cool.
- Opening the door for a longer period of time can cause a considerable increase in temperature in the compartments of the device.
- Store raw meat and fish in suitable containers in the device so that they do not come into contact with or drip onto other food.
- Foodstuff may only be stored in its original packaging or in suitable containers.
- The frozen compartment is suitable for making ice cubes and for storing frozen foodstuffs. It is not suitable for freezing previously unfrozen food.
- If the refrigerator is subjected to a room temperature below +10 °C for a longer period of time, consistent regulation of the frozen compartment temperature cannot be guaranteed. This can lead to an increase of the frozen compartment temperature and the goods stored in it may defrost.

NOTICE! Damage hazard

- The maximum weight per door shelf is 6 kg. The maximum weight for the entire door is 7.5 kg.
- Store heavy objects such as bottles or cans in the refrigerator door, in the lower storage compartment or on the bottom shelf only.
- Do not keep carbonated drinks in the frozen compartment.

➤ Store food as shown in fig. **1**, page 24.

Using the VG fresh base

NOTICE! Damage hazard
The maximum load capacity of the VG fresh base is 5.5 kg.

Using the slider in the VG fresh base, the humidity in the vegetable compartment below can be regulated:

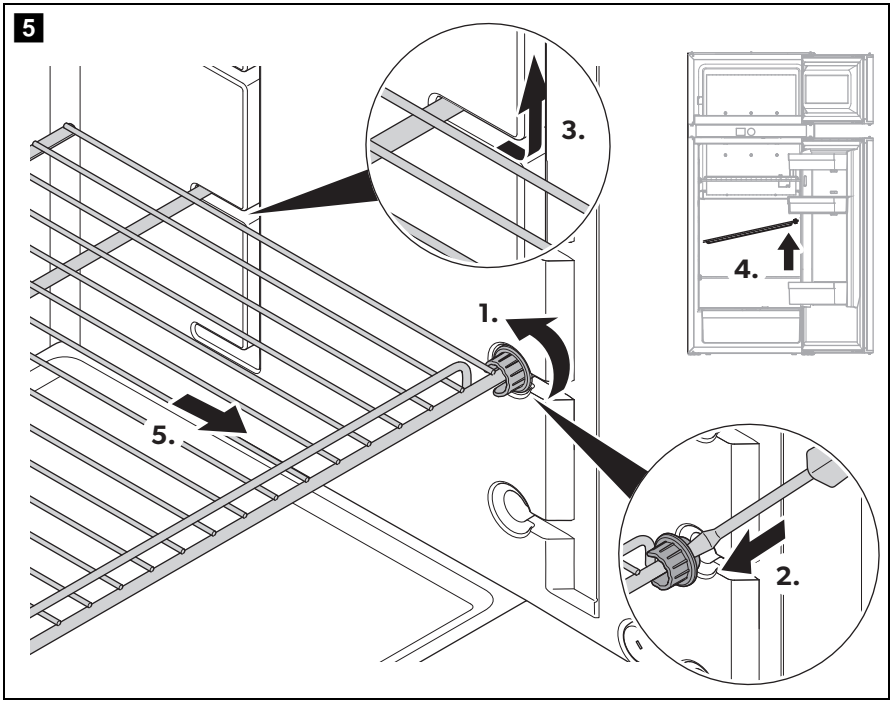
Goods to be cooled		Optimal humidity		Slider position
Vegetables		Fast	◊◊◊	➤ Close the slider.
Fruit		low	◊	➤ Open the slider.

4.13 Positioning the shelves

WARNING! Risk of child entrapment
All shelves are fixed in place to prevent children from climbing inside the refrigerator.
- Only remove the shelves for cleaning purposes.
- Refit the shelves and secure them in place.

➤ Remove the shelf as shown (fig. **5**).

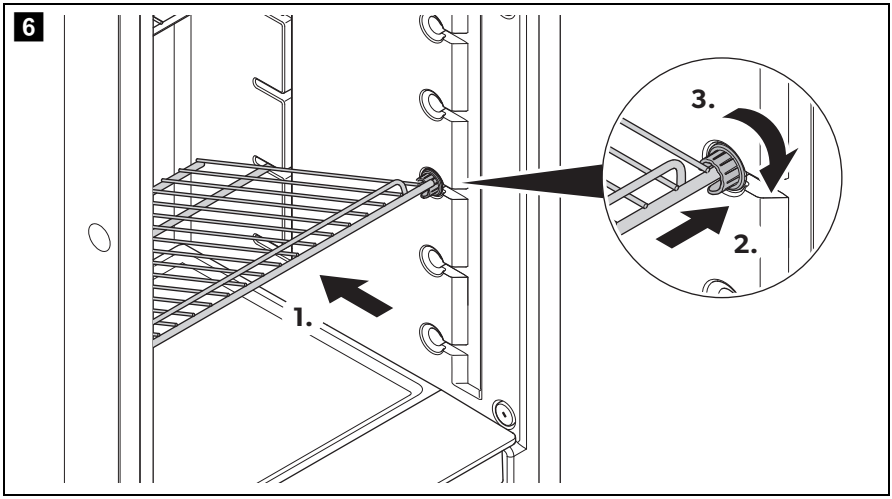
➤ Re-assemble the shelf in the reverse order.



Positioning the shelf at an angle for wine bottles

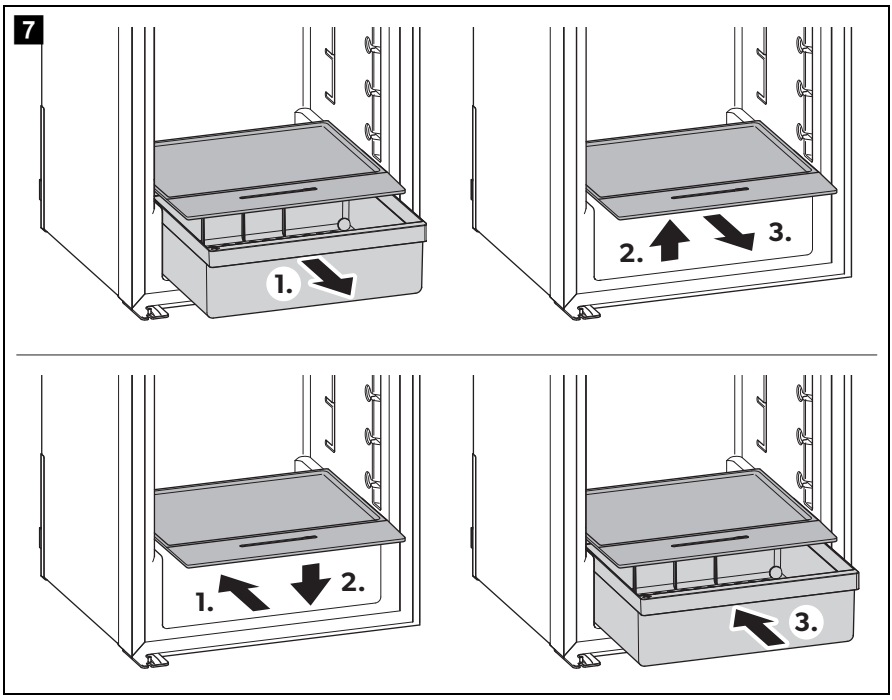
NOTICE! Damage hazard
While driving, the shelf in the angled position must **not** be filled.

➤ Change the position of the shelf as shown (fig. **6**).



Removing and inserting the VG fresh base

➤ Proceed as shown (fig. **7**).



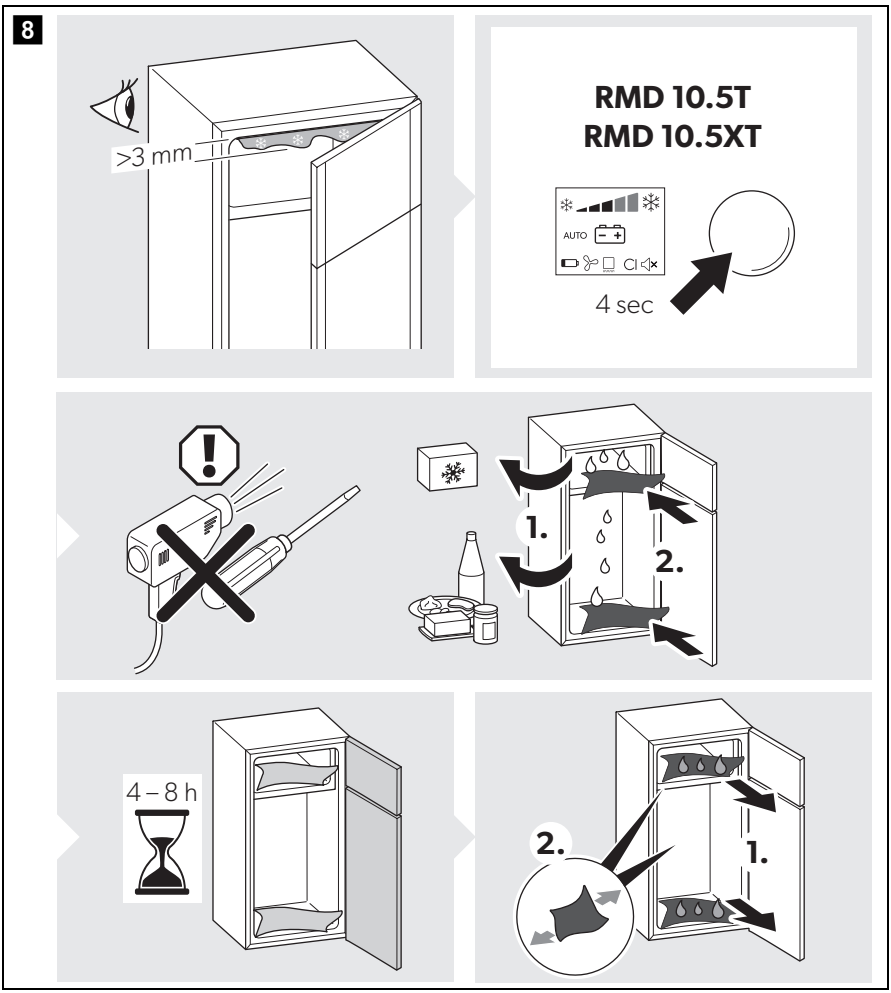
4.14 Defrosting the refrigerator

NOTICE! Damage hazard
Do not use mechanical tools or a hair dryer to remove ice or to loosen frozen items.

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.

➤ Proceed as shown (fig. **8**).

8

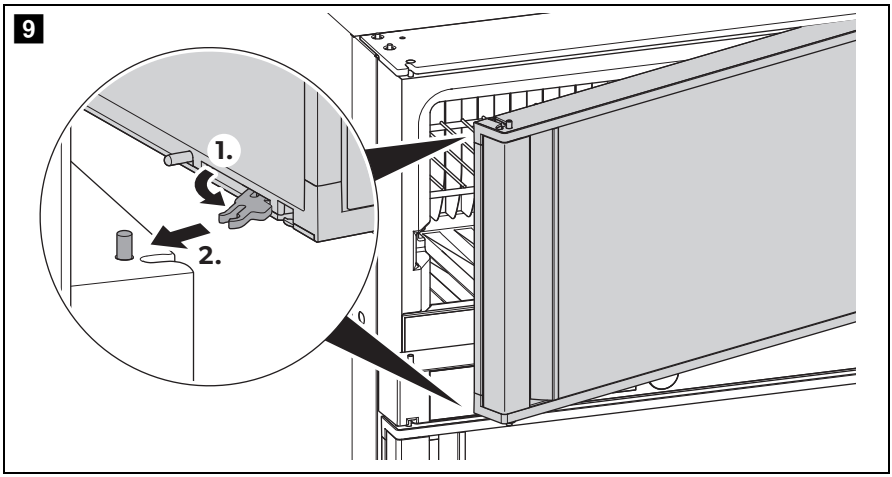


4.15 Positioning the refrigerator door into winter position

CAUTION! Risk of injury
The winter position may **not** be used while driving.

Put the refrigerator door and the frozen compartment door into the winter 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 (chapter "Defrosting the refrigerator" on page 35).
2. Turn the hook near the securing mechanism all the way at the top and bottom of one side of the door (fig. **9**).



3. Press against the refrigerator door.

✓ The protruding pin snaps into the hook.

Open the door in winter mode as follows:

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

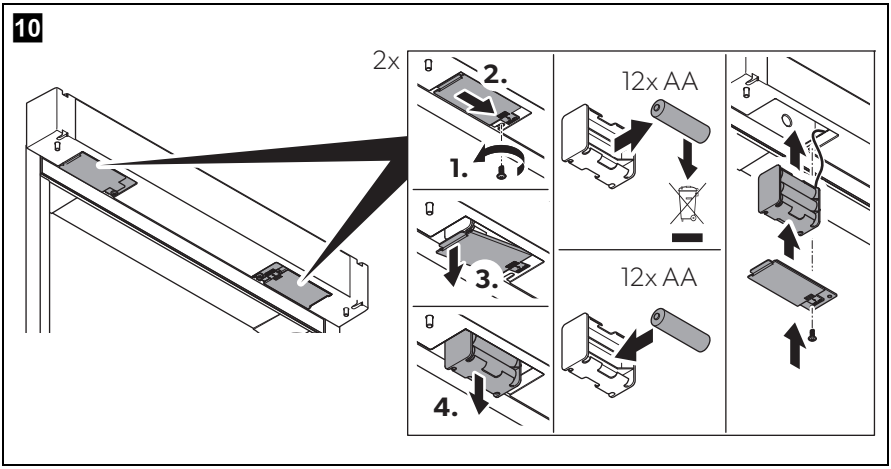
4.16 Optional battery packs

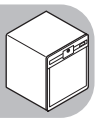
If the vehicle's own 12-V DC battery power supply is unavailable or if the power supply is cut off while the device is in operation, the electronic control unit automatically switches over to the internal battery power (if batteries are inserted).

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.

➤ Proceed as shown to insert the batteries (Fig. **10**).

10

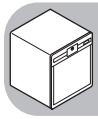




5 Troubleshooting

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.

Fault	Possible cause	Suggestion
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 mains.
	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.	The fuse on the relay must be replaced. ➤ Contact an authorized service agent.
	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.	The refrigerator automatically switches back to AC power supply as soon as the mains voltage is sufficient again.



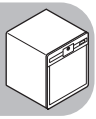
Fault	Possible cause	Suggestion
The refrigerator is not adequately cooling.	The ventilation around the cooling unit is not sufficient.	➤ Check that the ventilation grille is not obstructed.
	The evaporator is iced up.	➤ Check whether the refrigerator door closes properly. Make sure that the refrigerator seal fits correctly and is not damaged. Defrost the refrigerator.
	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.

5.1 Fault messages and signal tones

All faults are indicated by a warning symbol, a fault ID and a beep. The beeping lasts for 2 minutes and is repeated every 30 minutes 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.

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



WARNING type fault messages

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

Error message	Fault	Solution
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)	➤ Reduce the DC supply voltage.
	Tank stop mode: Gas operation is blocked for 15 minutes.	➤ Wait 15 minutes or switch to another operating mode.
 W10 + beep	The door is opened for more than 2 minutes.	➤ Close the door.

ERROR type fault messages

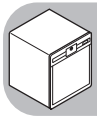
All faults of the ERROR type must be reset manually:

➤ Press the control knob for 2 seconds.

✓ A beep sounds.

✓ The error has been reset.

Error message	Fault	Solution
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.

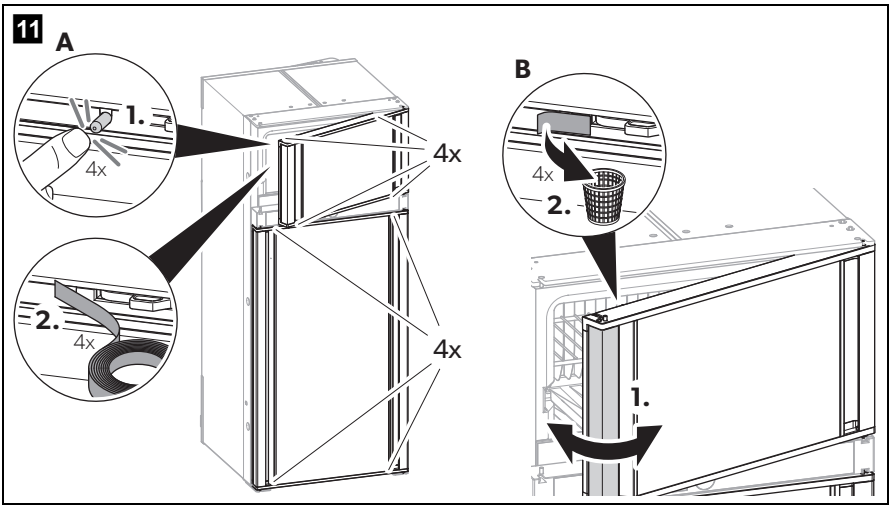


Error message	Fault	Solution
E08	No cooling power in AC mode	➤ Check if the device is at an angle and adjust it if necessary. ➤ Reset the error. ➤ Contact an authorized service agent if this error occurs again.
E09	No cooling power in DC mode	➤ Check if the device is at an angle and adjust it if necessary. ➤ 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.
E13	Internal communication error	Gas operation not possible. ➤ Reset the error. ➤ Contact an authorized service agent if this error occurs again.
E14	In stand-alone gas mode: The battery charge of the battery packs is too low	➤ Insert new batteries and then reset the error.
E50	Gas lock after 3 ignition attempts	Ignition 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.

Refrigerator door/frozen compartment door does not close

NOTE
If the door no longer closes, then the door handle is blocked on the opened side.

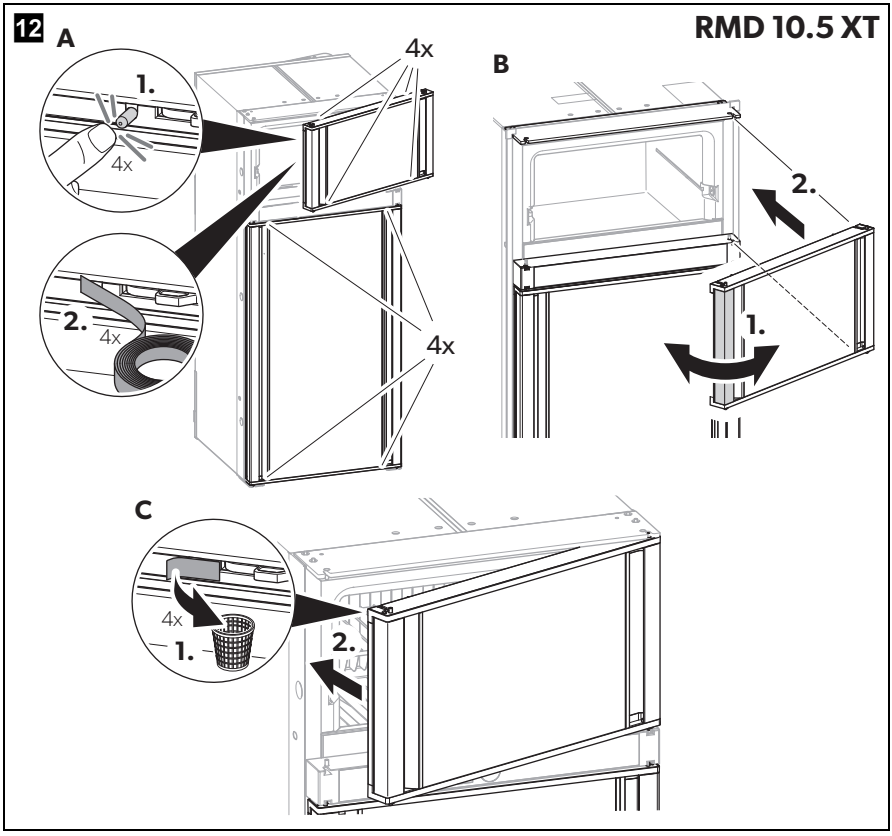
➤ Remove the door handle blockage as shown (fig. **11**).

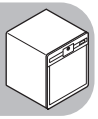


Refrigerator door/frozen compartment door has completely detached from the device

CAUTION! Risk of injury
The door can completely detach from the device if the locking pins have been tampered with or are twisted.

➤ Insert the door as shown (fig. **12**).





6 Cleaning and maintenance

WARNING! Electrocution hazard
Always disconnect the refrigerator from the energy supply before cleaning and servicing it.

NOTICE! Damage hazard
When cleaning, never use sharp cleaning agents or hard or pointed tools to remove layers of ice or to loosen objects which have frozen in place.

➤ Clean the refrigerator regularly and when it gets dirty using a damp cloth.

➤ Ensure that no water drips into the seals. This can damage the electronics.

➤ 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.

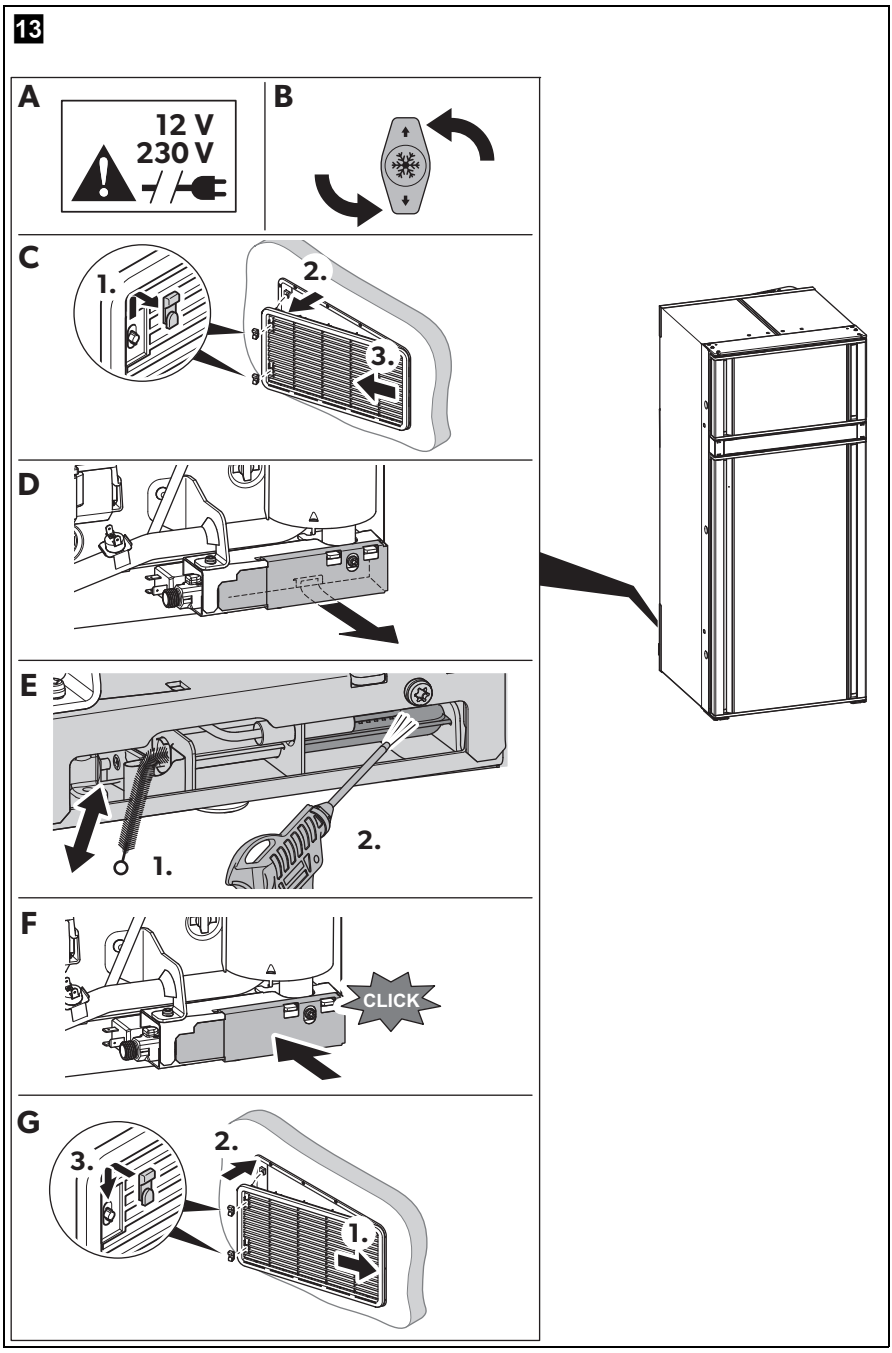
➤ Ensure that the ventilation grilles in the outer wall of the motorhome or caravan and the refrigerator roof ventilator are free from dust and pollutants. This ensures that the heat generated during operation can be dispersed, the refrigerator is not damaged and the cooling capacity is not reduced.

6.1 Cleaning the gas burner

WARNING! Burn hazard
- Allow the burner to cool down before cleaning it.
- Do not modify the gas equipment.

NOTE
- 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.

➤ Proceed as shown (fig. **13**).


13
A
12 V
230 V
B
C
1.
2.
3.
D
E
1.
2.
F
CLICK
G
3.
2.
1.

6.2 Maintenance

WARNING! Risk of explosion and electrocution 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.

7 Disposal

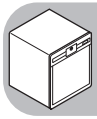
NOTE
Only have the device removed and disposed of by a specialist.

Recycling products with batteries, rechargeable batteries, and light sources



- ➤ Remove any batteries, rechargeable batteries, and light sources before recycling the product.
- ➤ Return defective or used batteries to your retailer or dispose of them at collection points.
- ➤ Do not dispose of any batteries, rechargeable batteries, and light sources with general household waste.
- ➤ If you wish to finally dispose of the product, ask your local recycling center or specialist dealer for details about how to do this in accordance with the applicable disposal regulations.
- ➤ The product can be disposed free of charge.

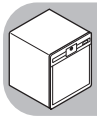
8 Technical data



	RMD10.5T	RMD10.5XT
Connection voltage	230 V~ /50 Hz 12 V⎓	
Capacity: Gross capacity Refrigerator compartment Frozen compartment Total net capacity	 153 l 124 l 29 l 147 l	 177 l 142 l 35 l 171 l
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 H x W x D	1245 x 523 x 550 mm	1245 x 523 x 605 mm
Weight	40 kg	41.5 kg
Inspection/certification	CE E1 UKCA	

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).

Absorber refrigerator RML10.4, 10.4S, 10.4T



1 Accessories

Designation
Winter cover LS230 for the ventilation grille
Winter cover LS330 for the ventilation grille
Optional fan kit REF-FANKIT
Optional battery pack R10-BP for stand-alone gas mode
Optional Ø2.5/5.5 mm connector for stand-alone gas mode with a 9-V⎓ power bank

2 Intended use

The refrigerator is suitable for:

- Installation in motorhomes and caravans
- Cooling, deep-freezing and storing food
- Mounting in a cabinet or an installation niche

The refrigerator is not suitable for:

- Storing medications
- Storing caustic substances or substances that contain solvents
- Freezing of food
- Household use

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

3 Technical description

The refrigerator is an absorber refrigerator and is designed for operation

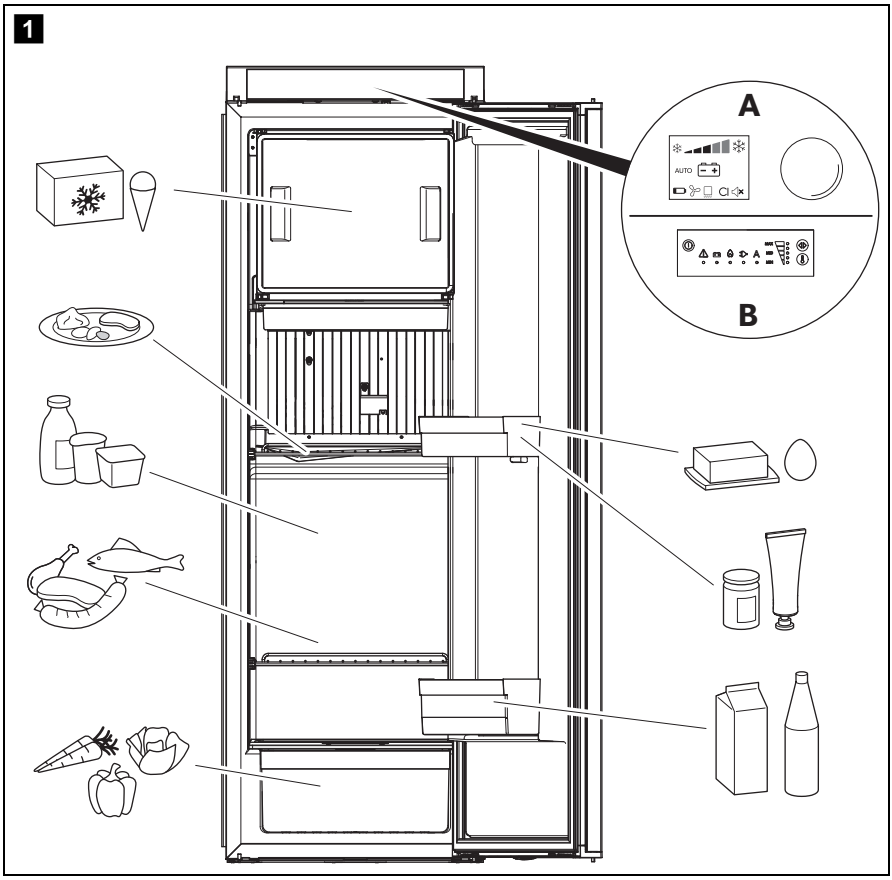
- On a DC power supply (12 V)
- On an AC power supply
- With liquefied gas (propane or butane)

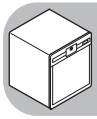
The refrigerator has an automatic operating mode that selects the most economical type of energy connected. The refrigerator unit operates silently.

3.1 Operating and display elements

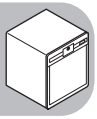
RML10.4T

The TFT display features the following operating and display elements (fig. **1 A**):





Icon	Description
❄ ▂▃▅▇ ❄	Cooling capacity indicator
	Operation with AC power
	Operation with DC power
	Operation with gas
AUTO	Automatic mode: In automatic mode, the refrigerator automatically selects the most economical operating mode in the following order of 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.
	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 seconds, 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.
	Confirm selection and return to the main menu



RML10.4 and RML10.4S

The LED display features the following operating and display elements (fig. **1** **B**, page 50):

Icon	Description
⏻	ON/OFF button
⚠	Fault indicator
	Operation with DC power
	Operation with gas
	Operation with AC power
A	Automatic mode
	Temperature indicator
MODE	Energy selection button
	Temperature selection button

4 Using the refrigerator

NOTE

- Before starting your new refrigerator for the first time, clean it inside and outside with a damp cloth for hygienic reasons.
- 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.
- Park the vehicle so that it is level, especially when starting up and filling the refrigerator before setting off on a journey.
- The cooling capacity can be influenced 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

4.1 Tips for optimal refrigerator operation

- Do not store goods in the refrigerator for the first 12 hours of 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).

4.2 Operating in low outdoor temperatures

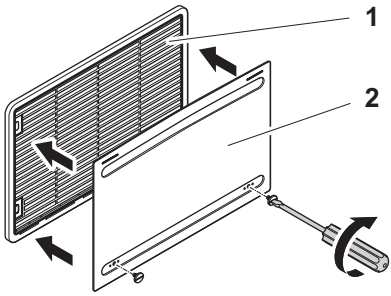
NOTICE! Damage hazard
In AC operation and DC operation, install **both** winter covers. In gas mode or automatic mode, install only the **lower** winter cover. This prevents heat from building up and ensures the fumes from the refrigerator can dissipate properly.

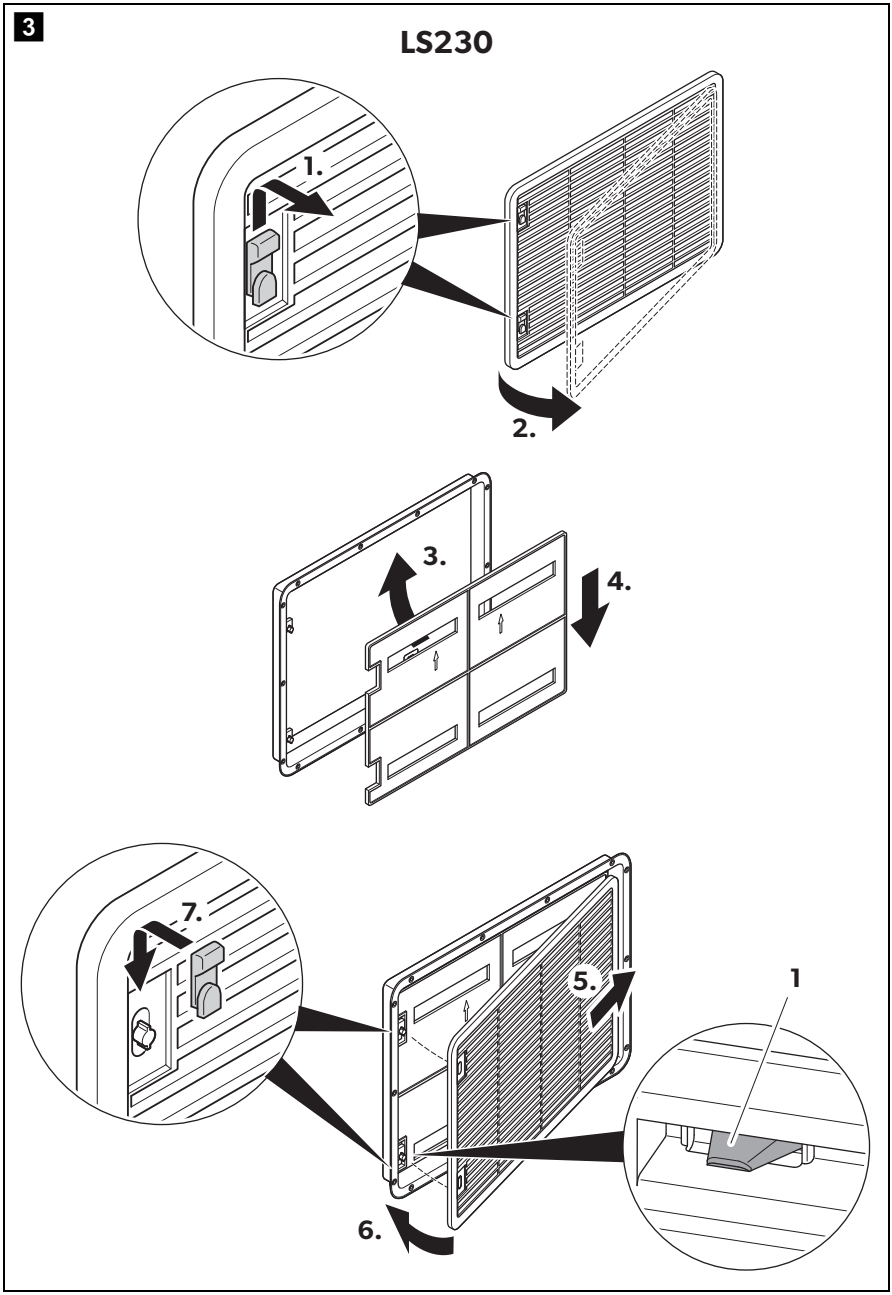
NOTE
Cold air can impact the performance of the cooling unit. Install the winter covers if a loss of cooling capacity is noticed at low ambient temperatures.

➤ Install the winter covers as shown:

- Ventilation grille LS330: fig. **2**
- Ventilation grille LS230: fig. **3**

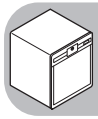
2 **LS330**




3
LS230
1.
2.
3.
4.
7.
5.
1
6.



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. **3** **1**, page 54).



4.3 Switching on the refrigerator

➤ Press for 2 seconds
- **RML10.4T**: the control knob
- **RML10.4 and RML10.4S**: the ⏻ button

✓ The refrigerator starts with the last selected settings.

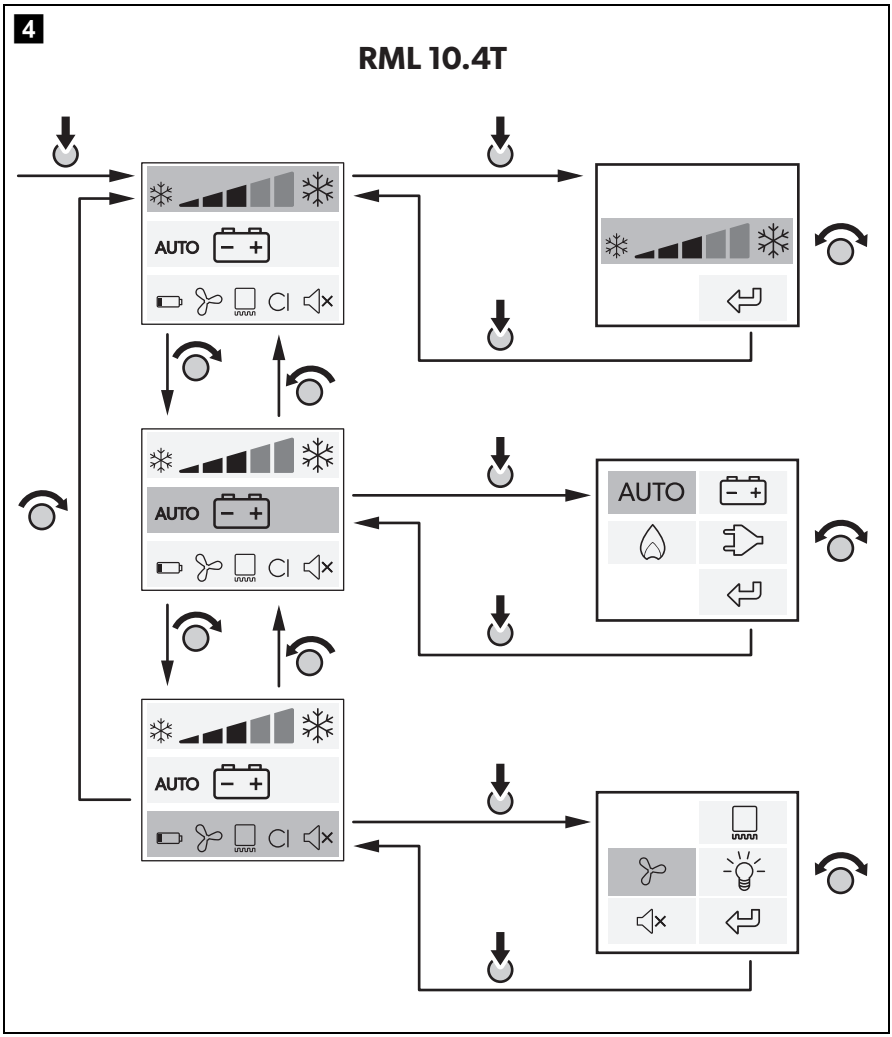
4.4 Switching off the refrigerator

➤ Press for 4 seconds
- **RML10.4T**: the control knob
- **RML10.4 and RML10.4S**: the ⏻ button

✓ A beep sounds and the refrigerator switches off.

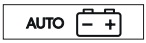
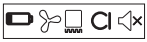
4.5 Operating the refrigerator (RML10.4T)

Menu navigation: fig. 4



➤ Press the control knob to activate the TFT display.

The main menu is divided into three lines:

Main menu	Detail menu
	Cooling capacity menu
	Operating mode menu
	Settings menu

1. Turn the control knob to select the desired detail menu.
2. Press the control knob to open the selected detail menu.
3. Turn the control knob to navigate through the detail menu.

✓ Selected settings are displayed in blue.

✓ Press the control knob to choose the selected setting.

4. Confirm the selection with ⏎.

4.6 Operating the refrigerator (RML10.4 and RML10.4S)

1. Press MODE repeatedly, until the LED indicates the desired operating mode.
2. Press repeatedly, until the desired temperature level is set.

4.7 Tank stop mode

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

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 minutes. After that, the refrigerator automatically switches back to automatic mode.

In tank stop mode

- **RML10.4T**: the symbol is displayed
- **RML10.4 and RML10.4S**: the LED flashes

4.8 Stand-alone gas operation (accessory)

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 Ø2.5/5.5 mm plug, ask the manufacturer for the connection point for the 9 V⎓ power bank.

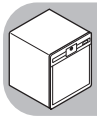
For stand-alone gas mode, the optional battery packs must be installed or the optional Ø2.5/5.5 mm connector must be plugged into a 9 V⎓ power bank. This make connecting to AC or DC power unnecessary.

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

Stand-alone gas mode is indicated
- **RML10.4T**: by the symbols and
- **RML10.4 and RML10.4S**: by the flashing of LED every 15 seconds

The batteries of the battery packs must be replaced
- **RML10.4T**: when the error "E 14" is displayed
- **RML10.4 and RML10.4S**: when the error / is displayed



4.9 Fan operation (optional)

For fan operation the optional fan 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.
- When the fan function is activated.

The fan operation is indicated by the symbol .

4.10 Setting the cooling capacity

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

➤ Set the cooling capacity:
- **RML10.4T**: Select the desired temperature level in the cooling capacity menu.
- **RML10.4 and RML10.4S**: Press repeatedly until the desired temperature level is selected.

4.11 Using the refrigerator door/frozen compartment door (RML10.4 and RML10.4T)

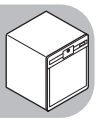
CAUTION! Risk of injury
- The refrigerator door or frozen compartment door can completely detach from the device if used incorrectly.
- Do not lean on the open refrigerator door.

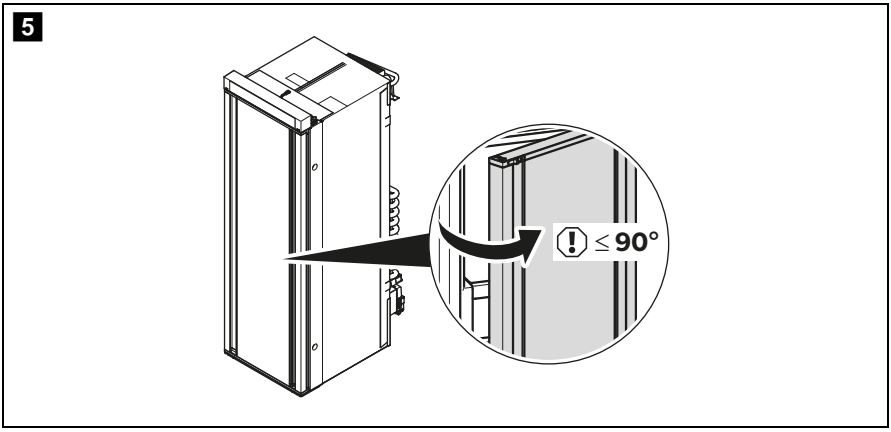
NOTE
If the door is not locked correctly on the opposite side, carefully push on the top and bottom of the door on that side until it locks into place.

Closing and locking the refrigerator door/frozen compartment door

➤ Press the door shut until you hear it clearly click at the top and bottom.

✓ The door is now closed and secured.

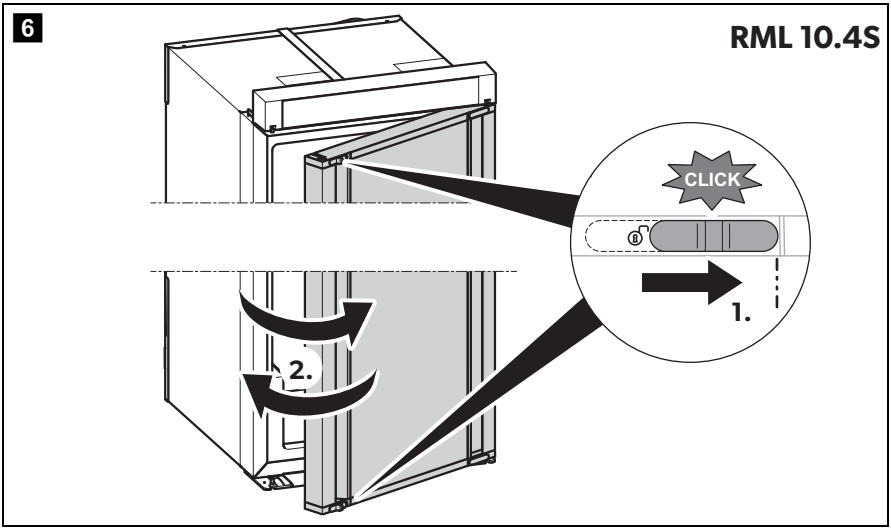




4.12 Using the refrigerator door (RML10.4S)

Releasing the refrigerator door

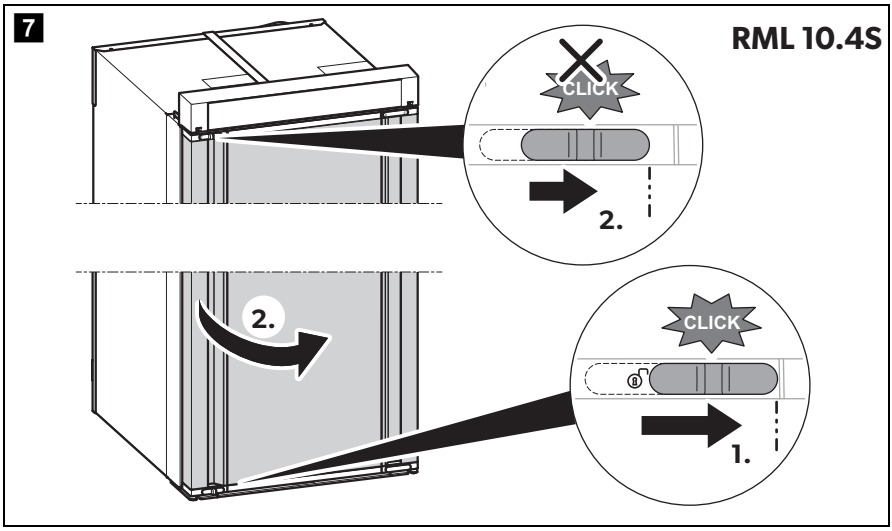
➤ Release the refrigerator door as shown (fig. **6**).



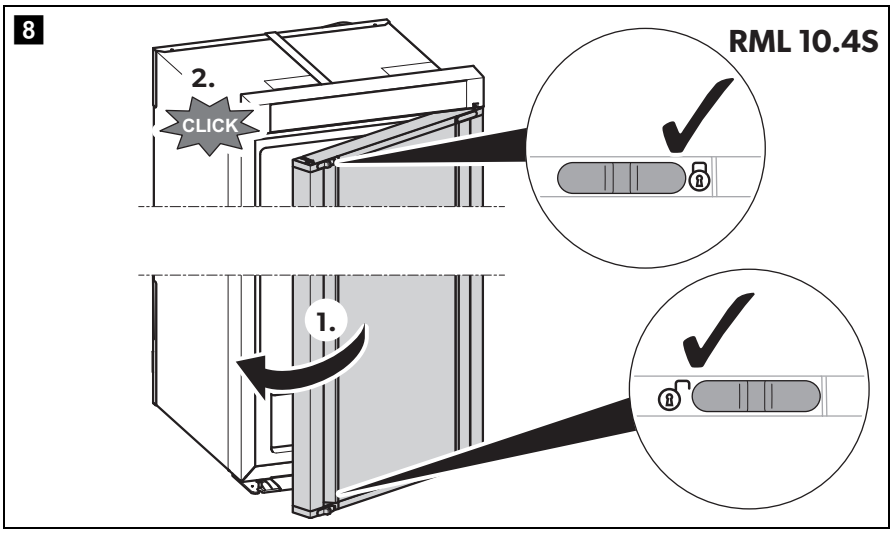
✓ The refrigerator door is easy to open and close but will not be secured when closed.

Securing the refrigerator door at the top automatically

➤ Release and open the refrigerator door as shown (fig. **7**).



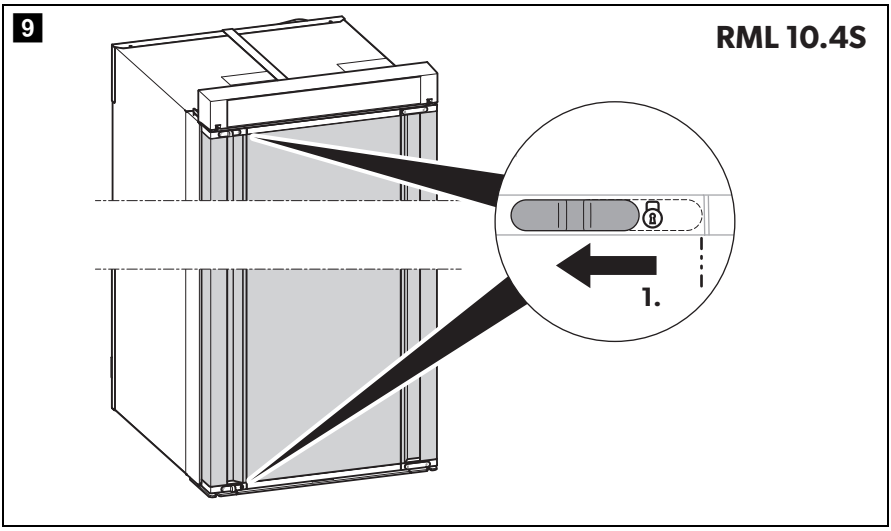
✓ The refrigerator door is automatically secured at the top after closing (fig. **8**).



Securing the refrigerator door before starting to drive

➤ Secure the refrigerator door as shown (fig. **9**).

9



4.13 Notes on storing food

CAUTION! Health hazard

- Check if the cooling capacity of the refrigerator is suitable for the food to be cooled.
- Opening the door for a longer period of time can cause a considerable increase in temperature in the compartments of the device.
- Store raw meat and fish in suitable containers in the device so that they do not come into contact with or drip onto other food.
- Foodstuff may only be stored in its original packaging or in suitable containers.
- The frozen compartment is suitable for making ice cubes and for storing frozen foodstuffs. It is not suitable for freezing previously unfrozen food.
- If the refrigerator is subjected to a room temperature below +10 °C for a longer period of time, consistent regulation of the frozen compartment temperature cannot be guaranteed. This can lead to an increase of the frozen compartment temperature and the goods stored in it may defrost.

NOTICE! Damage hazard
- The maximum weight per door shelf is 3 kg. The maximum weight for the entire door is 7.5 kg.
- Store heavy objects such as bottles or cans in the refrigerator door, in the lower storage compartment or on the bottom shelf only.
- Do not keep carbonated drinks in the frozen compartment.

➤ Store food as shown (fig. **1**, page 50).

Using the VG fresh base (RML10.4T only)

NOTICE! Damage hazard
The maximum load capacity of the VG fresh base is 4.5 kg.

Using the slider in the VG fresh base, the humidity in the vegetable compartment below can be regulated:

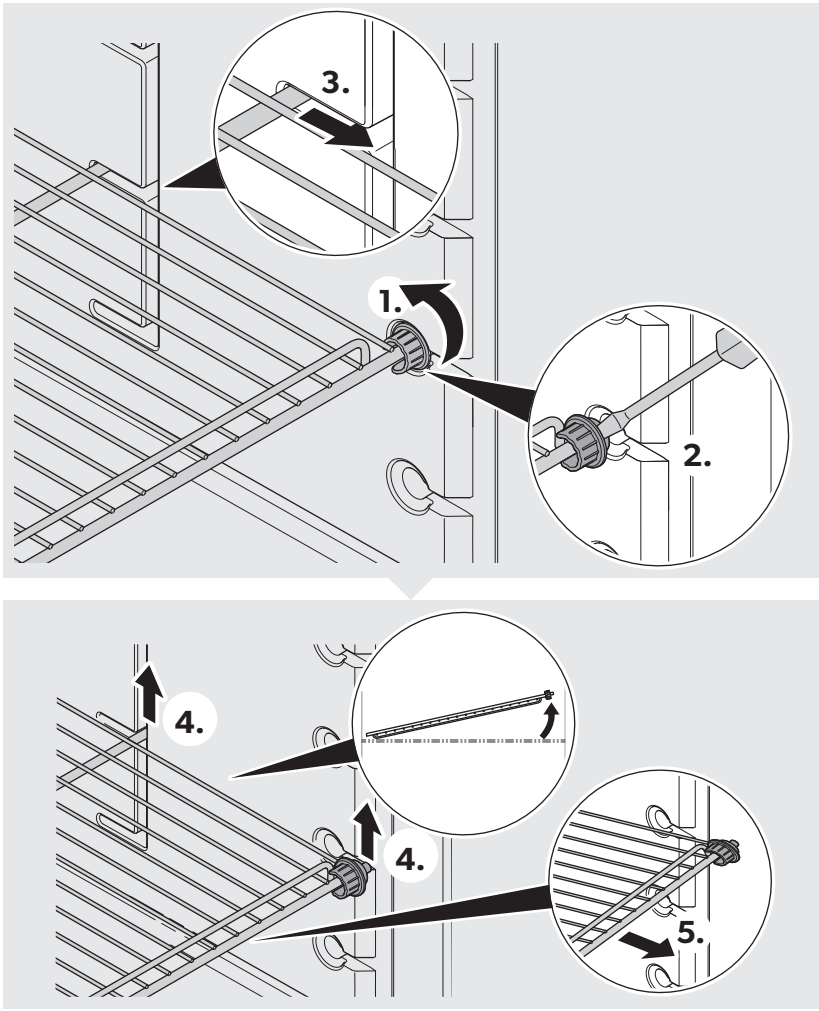
Goods to be cooled		Optimal humidity		Slider position
Vegetables		Fast	◊◊◊	➤ Close the slider.
Fruit		low	◊	➤ Open the slider.

4.14 Positioning the shelves

WARNING! Risk of child entrapment
All shelves are fixed in place to prevent children from climbing inside the refrigerator.
- Only remove the shelves for cleaning purposes.
- Refit the shelves and secure them in place.

➤ Remove the shelf as shown (fig. **10**).

10

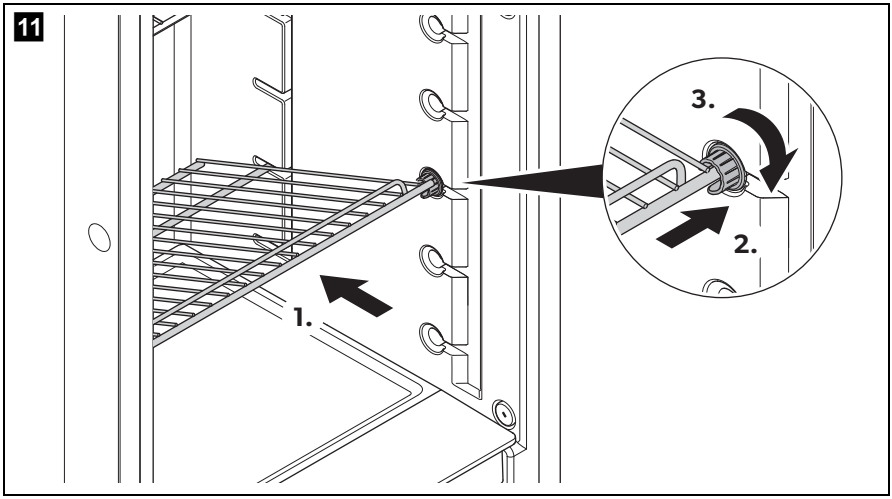


➤ Re-assemble the shelf in the reverse order.

Positioning the shelf at an angle for wine bottles

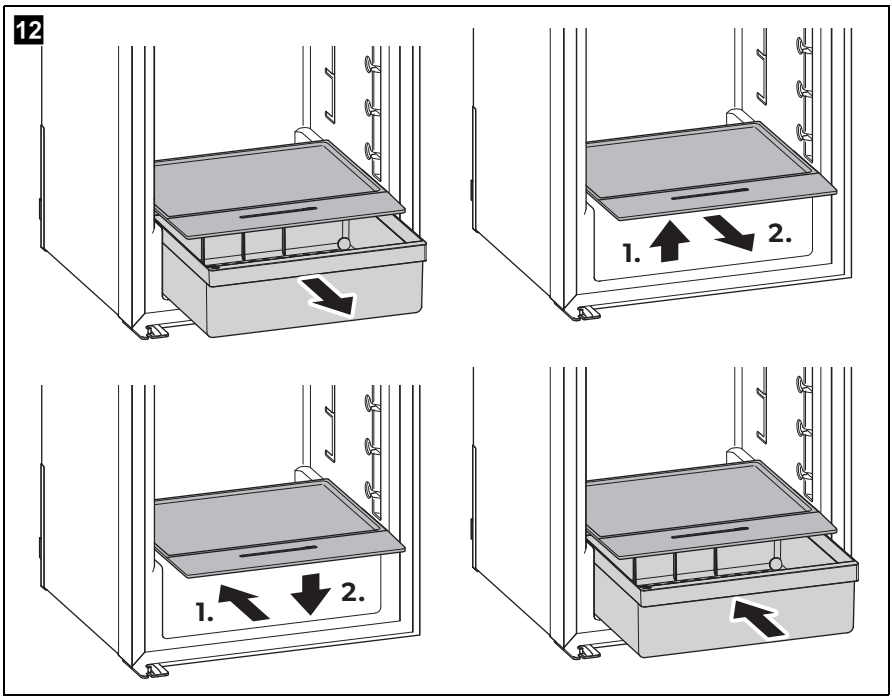
NOTICE! Damage hazard
While driving, the shelf in the angled position must **not** be filled.

➤ Change the position of the shelf as shown (fig. **11**).



Removing and inserting the VG fresh base (RML10.4T only)

➤ Proceed as shown (fig. **12**).

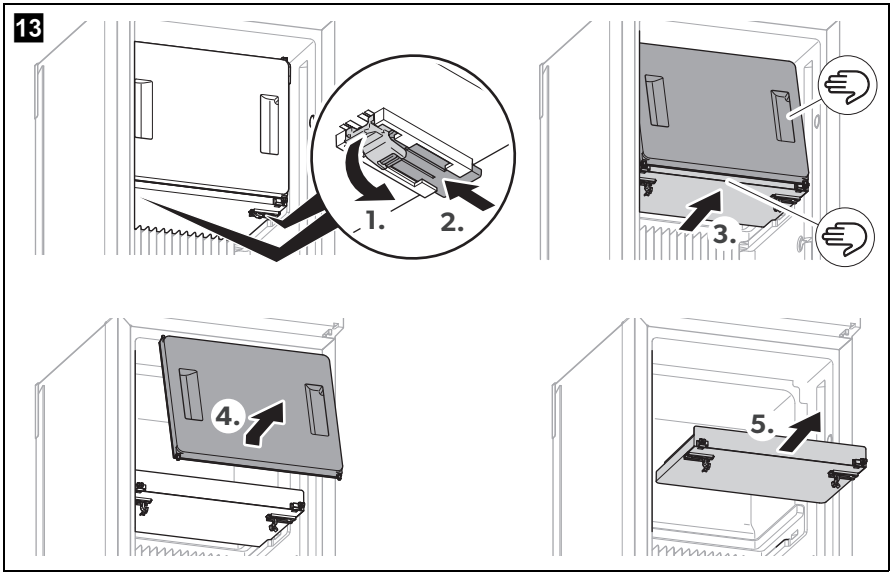


4.15 Removing the frozen compartment

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

NOTE
- Keep the frozen compartment door and the frozen compartment base in a safe place to prevent any damage.
- When installing, replace the parts in the reverse order.

➤ Proceed as shown (fig. **13**).



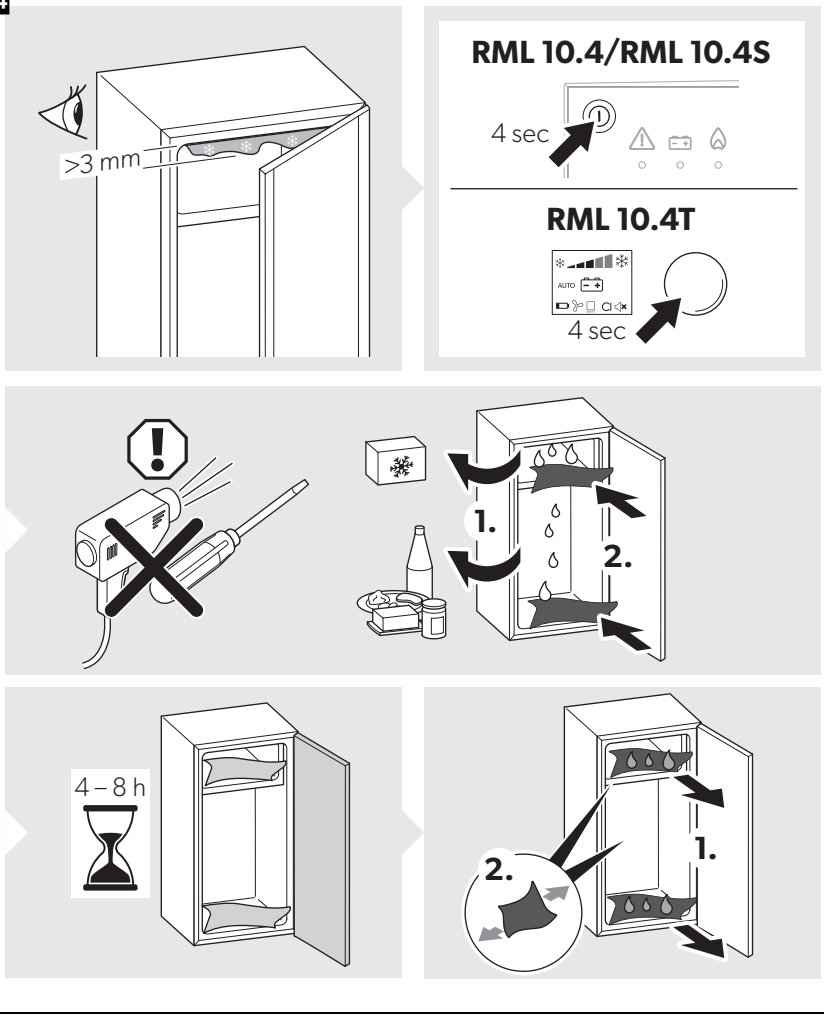
4.16 Defrosting the refrigerator

NOTICE! Damage hazard
Do not use mechanical tools or a hair dryer to remove ice or to loosen frozen items.

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.

➤ Proceed as shown (fig. **14**).

14



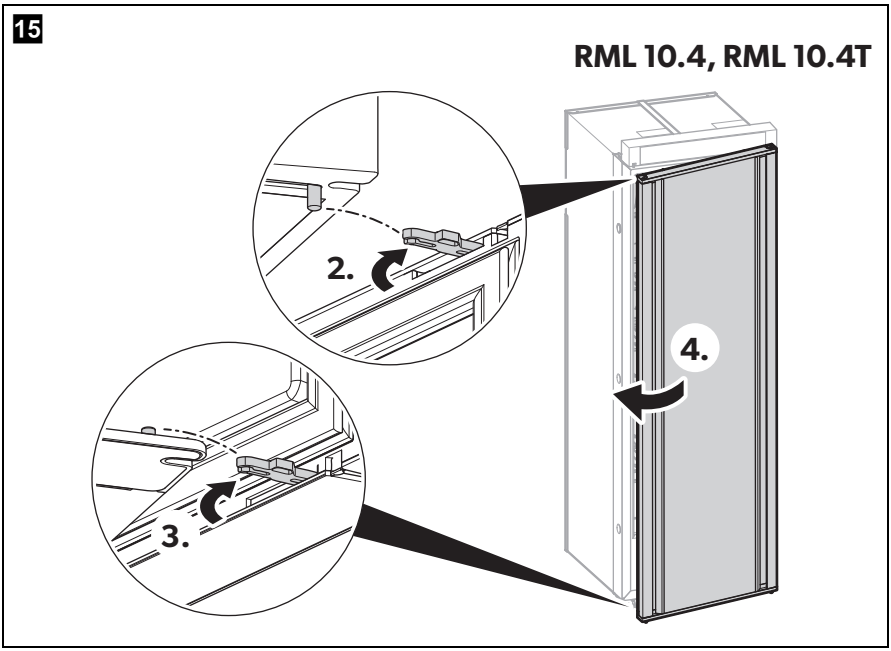
4.17 Positioning the refrigerator door into winter position

CAUTION! Risk of injury
The winter position may **not** be used while driving.

Put the refrigerator door and the frozen compartment door into the winter position if the refrigerator is not to be used for an extended period of time. This prevents mold from forming.

1. Defrost the refrigerator (chapter "Defrosting the refrigerator" on page 66).
2. At the upper door side, in the area of the latch, turn the hook out all the way (fig. **15 2**).
3. At the lower door side, in the area of the latch, turn the hook out all the way (fig. **15 3**).

15



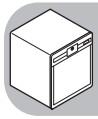
4. Press against the refrigerator door (fig. **15 4**).

✓ The protruding pin snaps into the hook.

Open the door in winter mode as follows:

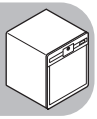
1. Pull the door toward you.
2. Push in the protruding hooks at the top and bottom of the door.

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.

Fault	Possible cause	Suggestion
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 mains.
	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.	The fuse on the relay must be replaced. ➤ Contact an authorized service agent.
	The vehicle fuse has blown.	➤ Replace the vehicle fuse. (Please 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.	The refrigerator automatically switches back to AC power supply as soon as the mains voltage is sufficient again.



Fault	Possible cause	Suggestion
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. Make sure that the refrigerator seal fits correctly and is not damaged. Defrost the refrigerator.
	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 the same time.	➤ 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.

5.1 Fault messages and signal tones

All faults are indicated by a warning symbol, a fault ID and a beep. The beeping lasts for 2 minutes and is repeated every 30 minutes 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.

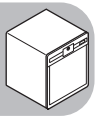
RML10.4T: Faults are indicated by a fault code with a warning symbol (⚠) in the middle of the TFT display.

RML10.4 and RML10.4S: 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.

RML10.4T	RML10.4, RML 10.4S	Fault	Solution
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).	➤ Reduce the DC supply voltage.
		Tank stop mode: Gas operation is blocked for 15 minutes.	➤ Wait 15 minutes or switch to another operating mode.
 W10 + beep	Beep	The door is opened for more than 2 minutes.	➤ Close the door.



ERROR type fault messages

All faults of the ERROR type must be reset manually:

➤ **RML10.4T**: Press the control knob for 2 seconds.

➤ **RML10.4 and RML10.4S**: Press ⏻ for 2 seconds.

✓ A beep sounds.

✓ The error has been reset.

RML10.4T	RML10.4, RML10.4S	Fault	Solution
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 not possible. ➤ Reset the error. ➤ Contact an authorized service agent if this error occurs again.
E13		Internal communication error	Gas operation not possible. ➤ Reset the error. ➤ Contact an authorized service agent if this error occurs again.
E14		In stand-alone gas mode: The battery charge of the battery packs is too low	➤ Insert new batteries and then reset the error.

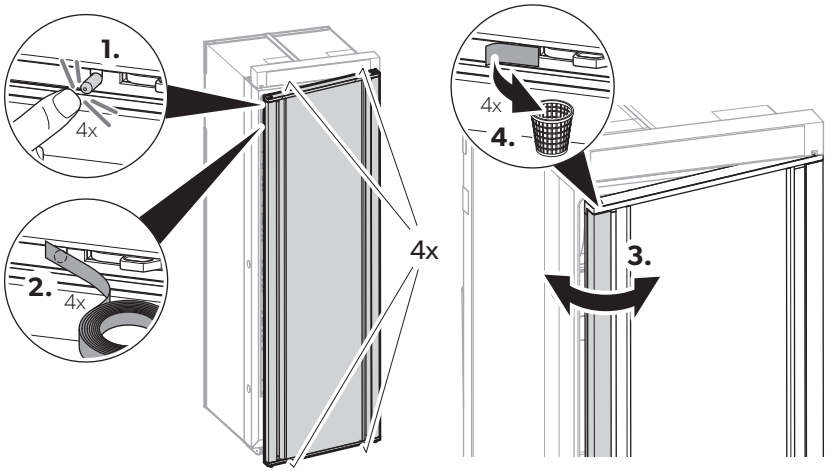
RML10.4T	RML10.4, RML 10.4S	Fault	Solution
E50		Gas lock after 3 ignition attempts	Ignition not possible. ➤ The gas cylinder is empty. Exchange the gas cylinder. ➤ Reset the error.
E51		Gas lock, internal error in the power module	➤ Reset the error. ➤ Contact an authorized service agent if this error 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.

Refrigerator door does not close (RML10.4 and RML10.4T only)

NOTE
If the door no longer closes, then the door handle is blocked on the opened side.

➤ Remove the door handle blockage as shown (fig. **16**).

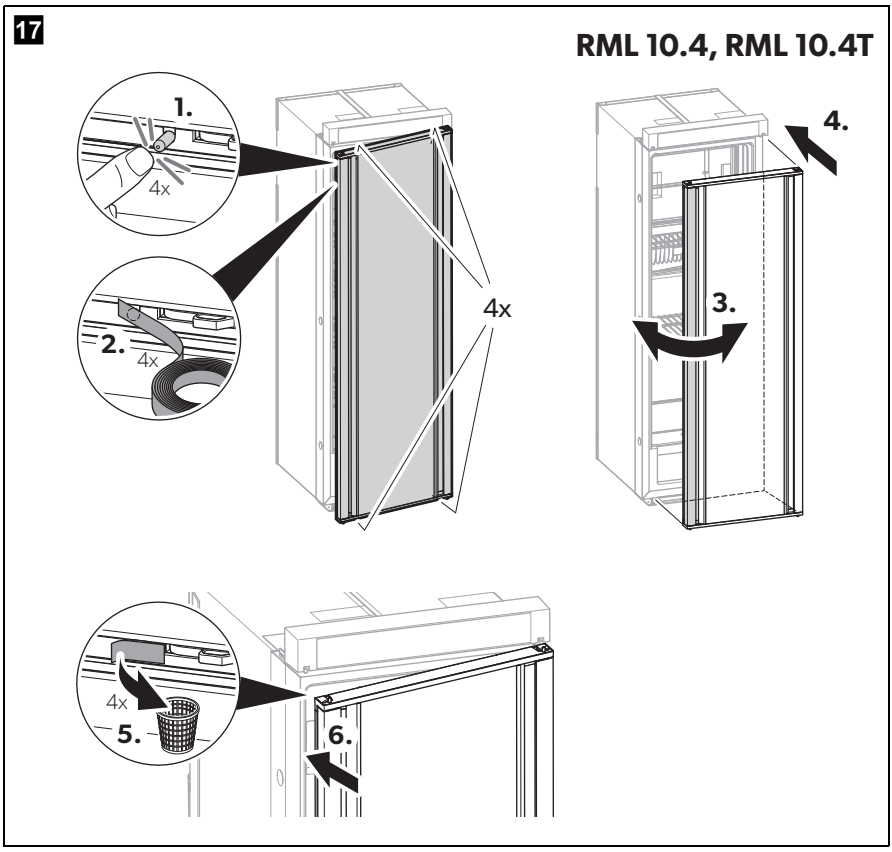
16 **RML 10.4, RML 10.4T**

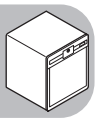


Refrigerator door has completely detached from the device (RML10.4 and RML10.4T only)

CAUTION! Risk of injury
The door can completely detach from the device if the locking pins have been tampered with or are twisted.

➤ Insert the door as shown (fig. **17**).





6 Cleaning and maintenance

WARNING! Electrocution hazard
Always disconnect the refrigerator from the energy supply before cleaning and servicing it.

NOTICE! Damage hazard
When cleaning, never use sharp cleaning agents or hard or pointed tools to remove layers of ice or to loosen objects which have frozen in place.

➤ Clean the refrigerator regularly and when it gets dirty using a damp cloth.

➤ Ensure that no water drips into the seals. This can damage the electronics.

➤ 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.

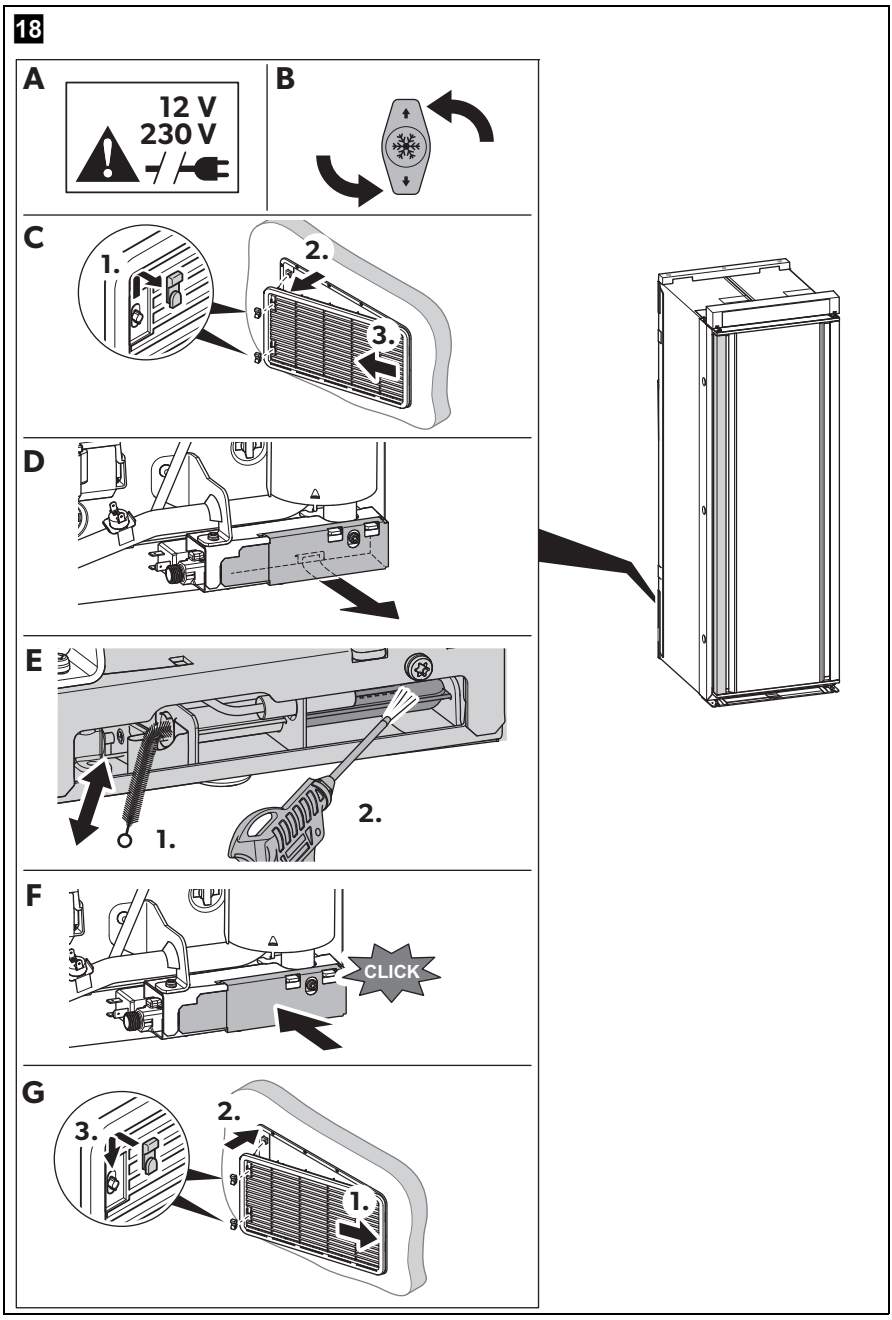
➤ Ensure that the ventilation grilles in the outer wall of the motorhome or caravan and the refrigerator roof ventilator are free from dust and pollutants. This ensures that the heat generated during operation can be dispersed, the refrigerator is not damaged and the cooling capacity is not reduced.

6.1 Cleaning the gas burner

WARNING! Burn hazard
- Allow the burner to cool down before cleaning it.
- Do not modify the gas equipment.

NOTE
- Dirt in the gas burner is indicated by poor ignition or deflagrations.
- The manufacturer recommends also cleaning the burner after not being used for a longer period 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.

➤ Proceed as shown (fig. **18**).


18
A
12 V
230 V
B
C
1.
2.
3.
D
E
1.
2.
F
CLICK
G
3.
2.
1.

6.2 Maintenance

WARNING! Risk of explosion and electrocution 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.

7 Disposal

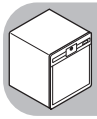
NOTE
Only have the device removed and disposed of by a specialist.

Recycling products with batteries, rechargeable batteries, and light sources



- ➤ Remove any batteries, rechargeable batteries, and light sources before recycling the product.
- ➤ Return defective or used batteries to your retailer or dispose of them at collection points.
- ➤ Do not dispose of any batteries, rechargeable batteries, and light sources with general household waste.
- ➤ If you wish to finally dispose of the product, ask your local recycling center or specialist dealer for details about how to do this in accordance with the applicable disposal regulations.
- ➤ The product can be disposed free of charge.

8 Technical data



	RML10.4	RML10.4S	RML10.4T
Connection voltage	230 V~ /50 Hz 12 V⎓		
Capacity:			
Gross capacity	133 l		
Refrigerator compartment	116 l		
Frozen compartment	12 l		
Total net capacity			
Frozen compartment excluded	128 l		
Gross capacity	139 l		
Storage volume	134 l		
Power input	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 H x W x D	1293 x 420 x 578 mm		
Weight	35 kg	32 kg	35.5 kg
Inspection/certification	CE E1 UKCA		

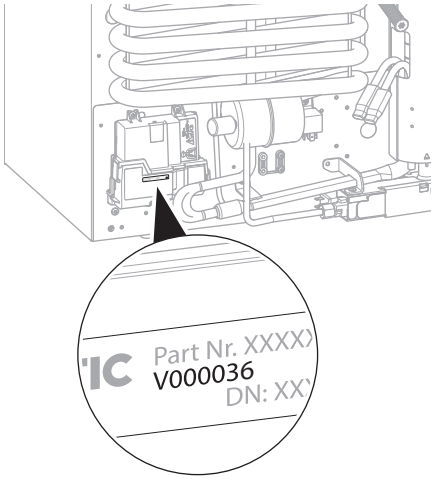
For the current EU declaration of conformity for your device please refer to the respective product page on dometic.com or contact the manufacturer directly (see dometic.com/dealer).

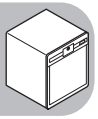
Absorber refrigerator RMS10.5XT

1 Accessories

Designation
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. **1**).
Optional Battery pack Pack R10-BP for stand-alone gas operation
Optional storage kit

1





2 Intended use

The refrigerator is suitable for:

- Installation in motorhomes and caravans
- Cooling, deep-freezing and storing food
- Mounting in a cabinet or an installation niche

The refrigerator is not suitable for:

- Storing medications
- Storing caustic substances or substances that contain solvents
- Freezing of food
- Household use

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

3 Technical description

The refrigerator is an absorber refrigerator and is designed for operation

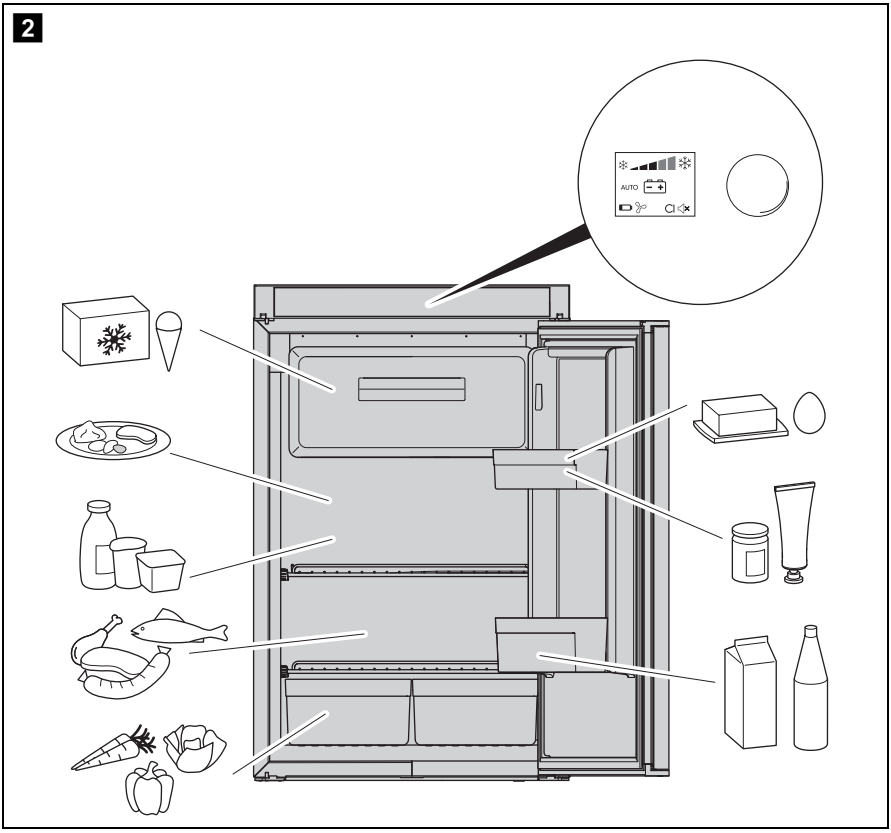
- On a 12-V DC power supply.
- On an AC power supply.
- With liquefied gas (propane or butane).

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

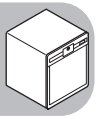
3.1 Operating and display elements

The TFT display features the following operating and display elements (fig. **2**):

2

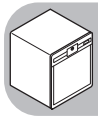


Icon	Designation
❄ ▂▃▅▆ ❄	Cooling capacity display
	Operation with AC power
− +	Operation with DC power
	Operation with gas



Icon	Designation
AUTO	Automatic mode: In automatic mode, the refrigerator automatically selects the most economical operating mode in the following order of priority: • AC power • DC power • Gas
	Battery: Symbol lights up when the battery packs (optional) are fitted and the device is in stand-alone gas mode.
	Fan (optional): Symbol lights up when the fan function is activated.
CI	Symbol lights up when the refrigerator is connected to the CI bus.
	TFT screen dimming After 30 seconds, 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 an extended period is signaled acoustically.
	Beep on: There is an acoustic signal for error messages, warnings, and if the door is left open too long.
	Confirm the selection and return to the main menu

4 Using the refrigerator



NOTE

- Before starting your new refrigerator for the first time, clean it inside and outside with a damp cloth for hygienic reasons.
- When using the refrigerator for the first time, there may be a mild odor which will disappear after a few hours. Ventilate the living area well.
- Park the vehicle so that it is level, especially when starting up and filling the refrigerator before setting off on a journey.
- The cooling capacity can be influenced 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

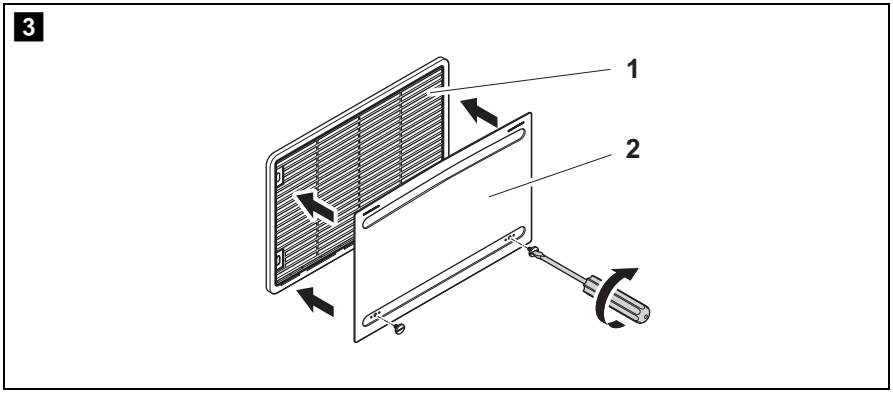
4.1 Tips for optimal refrigerator operation

- Do not store goods in the refrigerator for the first 12 hours of 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).

4.2 Operating in low outdoor temperatures

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

NOTE
Cold air can impact 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 (fig. **3**).

4.3 Switching on the refrigerator

➤ Press the control knob for 2 seconds.

✓ The refrigerator starts with the most recently selected settings.

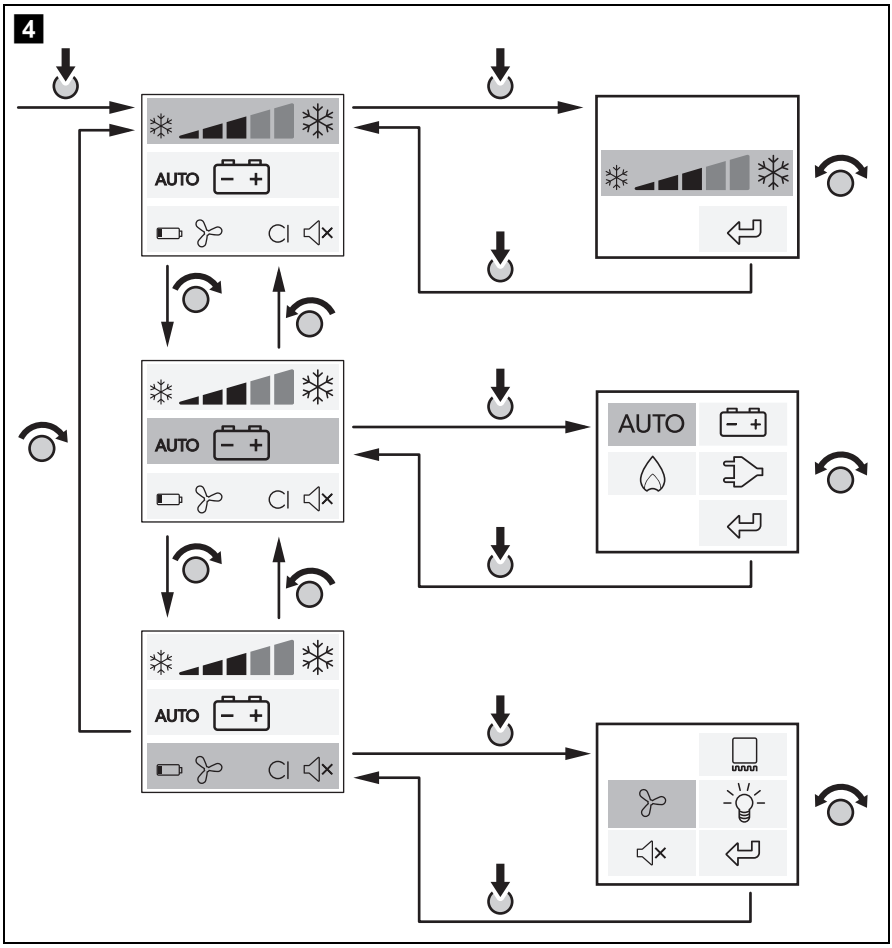
4.4 Switching off the refrigerator

➤ Press the control knob for 4 seconds.

✓ A beep sounds and the refrigerator switches off.

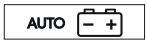
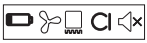
4.5 Operating the refrigerator

Navigation in the menu: fig. 4



➤ Press the control knob to activate the TFT display.

The main menu is divided into three lines:

Main menu	Detail menu
	Cooling capacity menu
	Operating mode menu
	Settings menu

1. Turn the control knob to select the desired detail menu.
2. Press the control knob to open the selected detail menu.
3. Turn the control knob to navigate through the detail menu.

✓ Selected settings are displayed in blue.

4. Press the control knob to choose the selected setting.
5. Confirm the selection with ⏎.

4.6 Tank stop mode

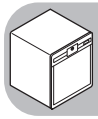
WARNING!
Turn off the refrigerator or select a different operating mode, if refueling will take longer than 15 minutes.

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

In tank stop mode, the symbol is displayed.

4.7 Stand-alone gas mode (accessory)

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).

For stand-alone gas mode, the optional battery packs must be installed. This make 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 when using stand-alone gas mode:
- The light inside the refrigerator remains switched off.
- The display goes out 2 seconds after the last activity.
- The display briefly switches on every 15 seconds. This indicates that the refrigerator is switched on.
- If there are error messages, the display stays switched on.

Stand-alone gas mode is indicated by the symbols and .

The batteries of the battery packs must be replaced when the error "E 14" is displayed.

4.8 Setting the cooling capacity

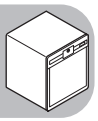
NOTE
For ambient temperatures of +15 °C to +25 °C, select the average cooling capacity.

➤ Select the desired temperature level in the cooling capacity menu.

4.9 Fan operation (optional)

For fan operation the optional fan must be installed.

When switching on the device, the fan is switched on for a short time (function test). During the operation of the device the fan only switches on:
- When the ambient temperature is above 32 °C.
- When the set cooling temperature is not reached within 2 hours.
- When the fan function is activated.



NOTE
In delivery state, the fan function is activated.

The fan operation is indicated by the symbol .

4.10 Using the refrigerator door

CAUTION! Risk of injury
- The refrigerator door or the frozen compartment door can completely detach from the device if used incorrectly.
- Do not lean on the open refrigerator door.

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

Closing and securing the refrigerator door

➤ Press the door shut until you hear it clearly latch at the top and bottom.

✓ The door is closed and locked.

4.11 Notes on storing food

CAUTION! Health hazard
- Check if the cooling capacity of the refrigerator is suitable for the foodstuffs you want to cool.
- Opening the door for long periods can cause significant increase of the temperature in the compartments of the refrigerator.
- Store raw meat and fish in suitable containers in the refrigerator, so that raw meat and fish is not in contact with or drip onto other food.
- Food may only be stored in its original packaging or in suitable containers.
- The frozen compartment is suitable for making ice cubes and for storing frozen foodstuffs. It is not suitable for freezing previously unfrozen food.
- If the refrigerator is subjected to a room temperature below +10 °C for a longer period of time, consistent regulation of the frozen compartment temperature cannot be guaranteed. This may cause the frozen compartment temperature to increase and the goods stored in it may defrost.

NOTICE! Damage hazard

- The maximum weight per door shelf is 6 kg. The maximum weight for the entire door is 7.5 kg.
- Store heavy objects such as bottles or cans in the refrigerator door, in the lower storage compartment or on the bottom shelf only.
- Do not keep carbonated drinks in the frozen compartment.

➤ Store food as shown (fig. **2**, page 83).

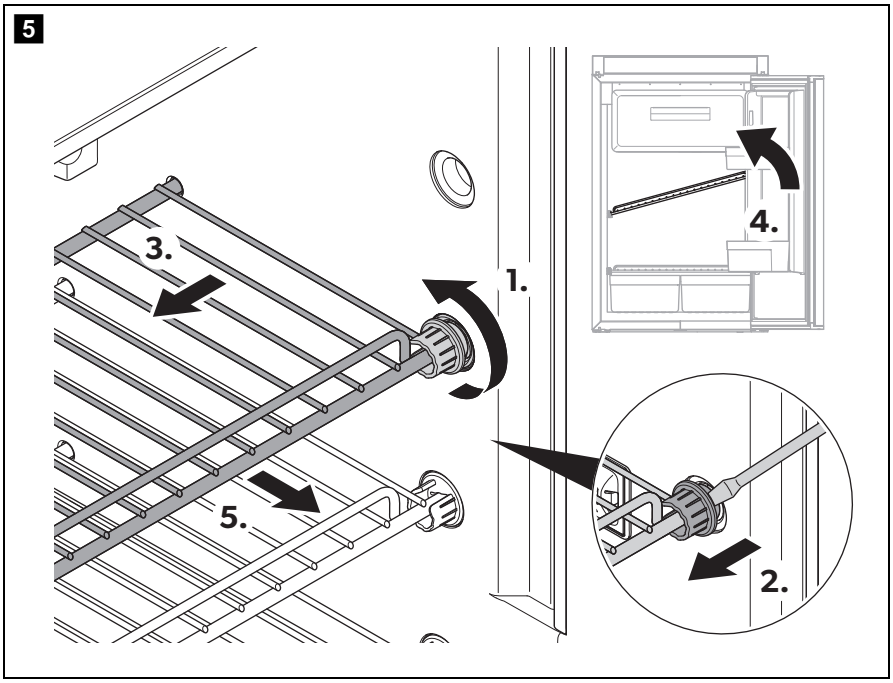
4.12 Positioning the shelves

WARNING! Risk of child entrapment

All shelves are fixed in place to prevent children from climbing inside the refrigerator.

- Only remove the shelves for cleaning purposes.
- Refit the shelves and fasten them in place.

5



1. Remove the shelf as shown (fig. **5**).
2. Refit the shelf in the reverse order.

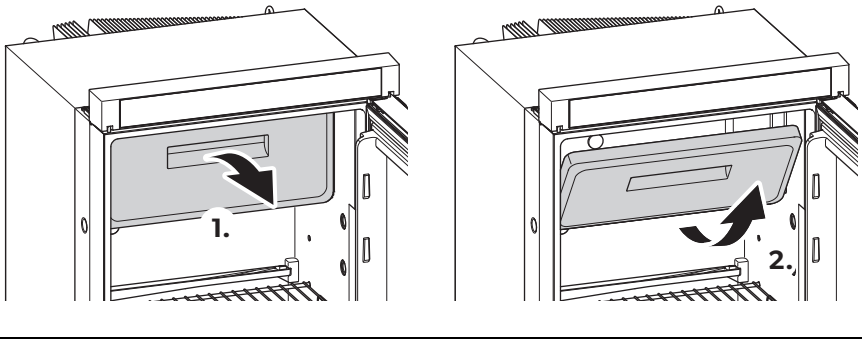
4.13 Removing the frozen compartment

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

NOTE

- Keep the frozen compartment door and the frozen compartment base in a safe place to prevent any damage.
- When installing, replace the parts in the reverse order.

6



➤ Proceed as shown (fig. **6**).

4.14 Defrosting the refrigerator

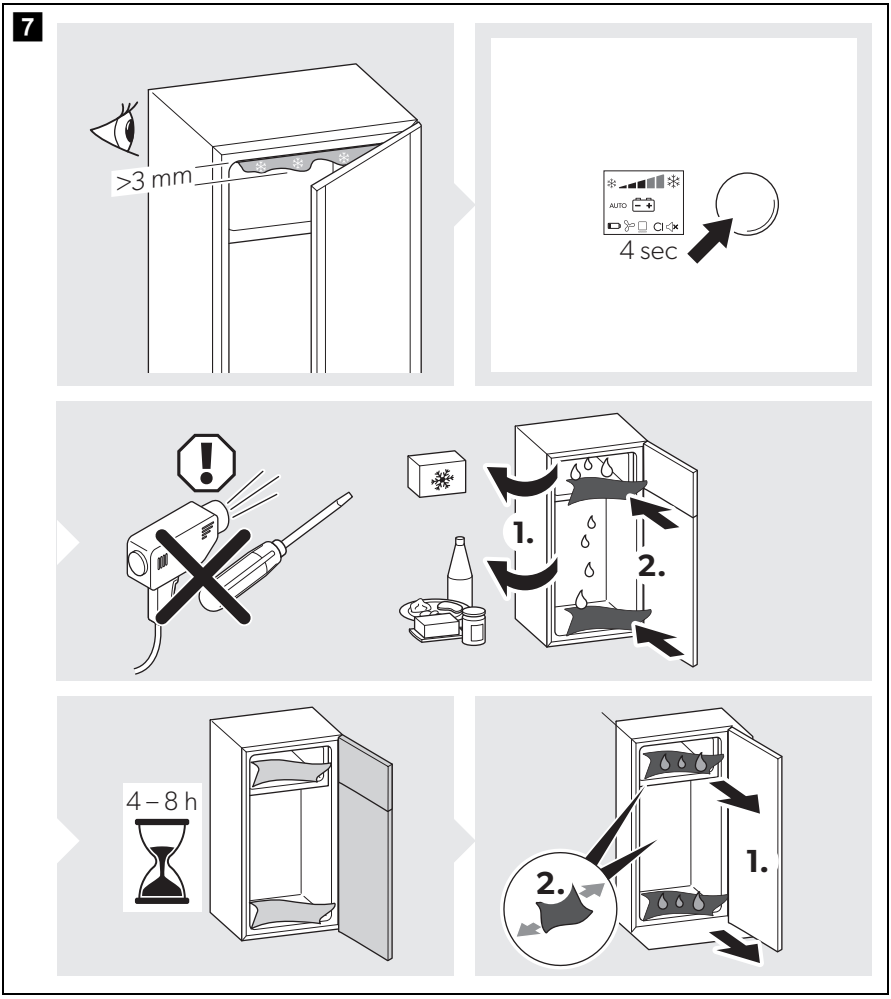
NOTICE! Damage hazard

Do not use mechanical tools or a hair dryer to remove ice or to loosen frozen items.

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.

7



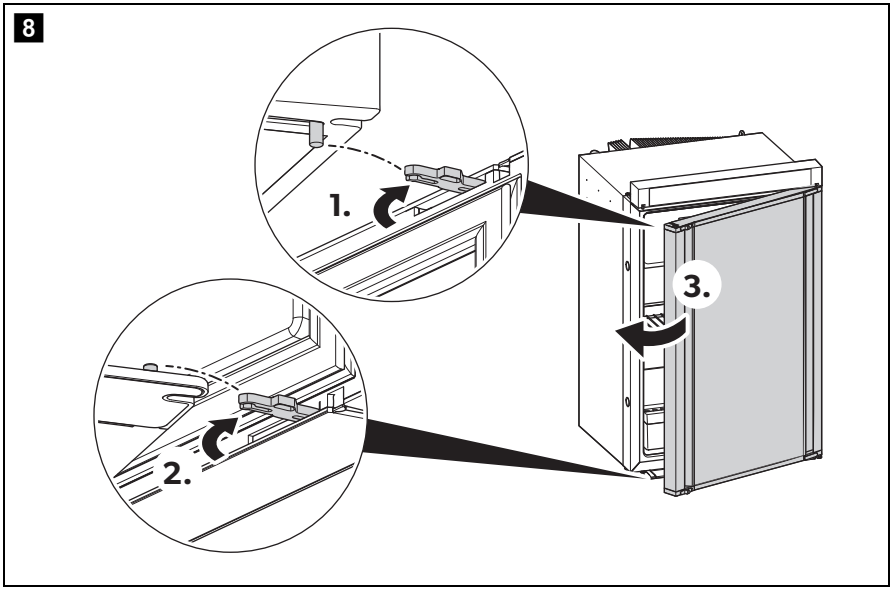
➤ Proceed as shown (fig. **7**).

4.15 Positioning the refrigerator door into winter position

CAUTION! Risk of injury
Do **not** use the winter position while driving.

Put the refrigerator door and the frozen compartment door into the winter position if the refrigerator is not to be used for a longer period of time. This prevents mold from forming.

1. Defrost the refrigerator (chapter "Defrosting the refrigerator" on page 92).



2. Unscrew the hook near the securing mechanism all the way at the top and bottom of one side of the door (fig. 8 **1** and **2**).
3. Press against the refrigerator door (fig. 8 **3**).

✓ The protruding pin engages in the hook.

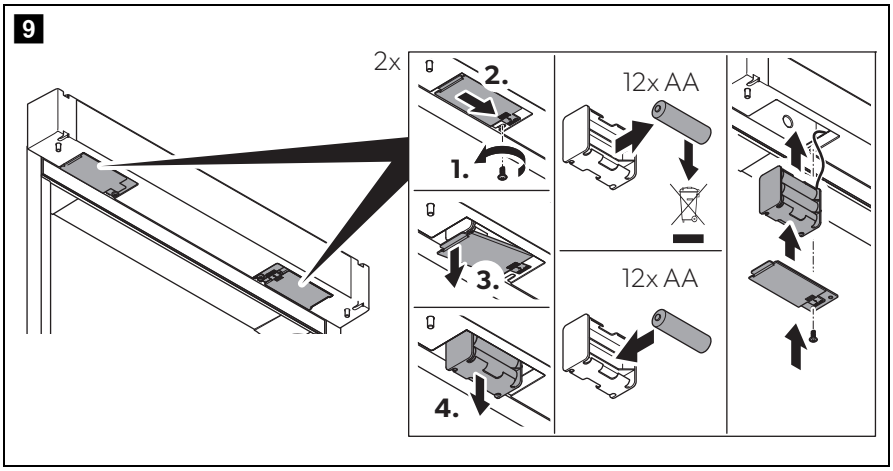
Open the door in winter mode as follows:

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

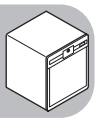
4.16 Optional battery packs

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 (**accessories**) are located on the right and left under the operating element. A total of 12 AA batteries are needed.



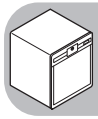
➤ Proceed as shown to insert the batteries (fig. **9**).



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.

Fault	Possible cause	Suggestion
With AC operation: The refrigerator does not work.	The fuse in the AC 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.	The fuse on the relay must be replaced. ➤ Contact an authorized service agent.
	The vehicle fuse is burnt through.	➤ 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.	gas cylinder is empty.	➤ Replace the gas cylinder.
	The gas valve is closed.	➤ Open the valve.
	Air is in the gas line.	➤ Switch the refrigerator off and on again. Repeat the procedure three or four times if necessary. ➤ If installed, switch on the stove and repeat the process on the refrigerator if necessary .



Fault	Possible cause	Suggestion
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.	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 is closing properly. Make sure the refrigerator seal is properly fitted and not damaged. Defrost the refrigerator.
	The temperature is set too high.	➤ Set a lower temperature.
	The ambient temperature is too high.	➤ Temporarily remove the ventilation grilles to let out hot air more quickly.
	Too much food has been put in the refrigerator at the same time.	➤ Take out some of the food.
	Too much hot food was placed in the refrigerator at the same time.	➤ 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.

5.1 Fault messages and signal tones

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

If multiple faults occur, the display shows the most recent fault. Previous faults are displayed after the last fault has been confirmed.

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

WARNING type fault messages

All "WARNING" type errors are automatically reset as soon as the error has been rectified.

Error message	Fault	Solution
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 supply 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)	➤ Reduce the DC power supply voltage.
	Refueling mode: Gas operation is blocked for 15 minutes.	➤ Wait 15 minutes or switch to another operating mode.
 W10 and beep	The door has been open for more than 2 minutes	➤ Close the door.

ERROR type fault messages

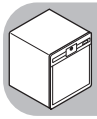
All faults of the ERROR type must be reset manually:

➤ Press the control knob for 2 seconds.

✓ A beep sounds.

✓ The error has been reset.

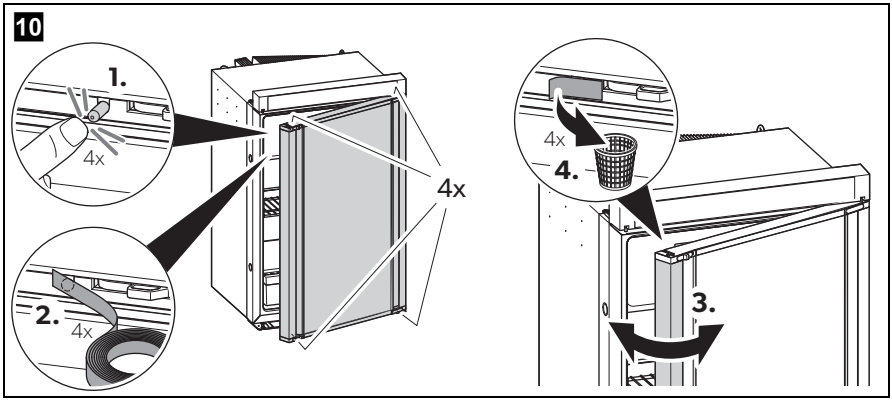
Error message	Fault	Solution
E03	No connection between power module and display	➤ Contact an authorized service agent.
E07	No cooling capacity in gas mode	➤ Check if the device is at an angle and adjust it so it is level, if necessary. ➤ Reset the error. ➤ Contact an authorized service agent if this error occurs again.



Error message	Fault	Solution
E08	No cooling power in AC mode	➤ Check if the device is at an angle and adjust it so it is level, 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 so it is level, if necessary. ➤ Reset the error. ➤ Contact an authorized service agent if this error occurs again.
E12	Gas valve test error	Gas operation not possible. ➤ Reset the error. ➤ Contact an authorized service agent if this error occurs again.
E13	Internal communication error	Gas operation not possible. ➤ Reset the error. ➤ Contact an authorized service agent if this error occurs again.
E14	In stand-alone gas mode: The battery charge of the battery packs is too low	➤ Insert new batteries and then reset the error.
E50	Gas lock after 3 ignition attempts	Ignition not possible. ➤ The gas cylinder is empty. Replace 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.

Refrigerator door does not close

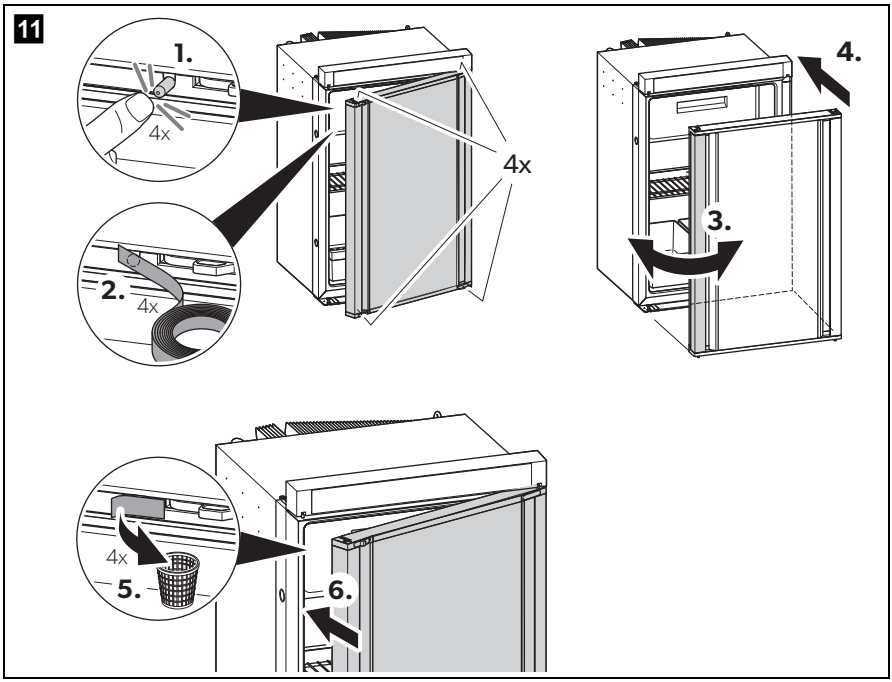
NOTE
If the door no longer closes, then the door handle is blocked on the opened side.



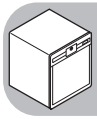
➤ Remove the door handle blockage as shown (fig. **10**).

Refrigerator door has completely detached from the device

CAUTION! Risk of injury
The door can completely detach from the device if the locking pins have been tampered with or are twisted.



➤ Put on the door as shown (fig. **11**).



6 Cleaning and maintenance

WARNING! Electrocution hazard
Always disconnect the refrigerator from the power supply before any cleaning and maintenance.

NOTICE! Damage hazard
Never use sharp cleaning agents or hard or pointed tools to remove ice or to loosen objects which have frozen in place.

➤ Use a damp cloth to clean the refrigerator regularly and when it is dirty.

➤ Ensure that no water drips into the seals. This can damage the electronics.

➤ 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.

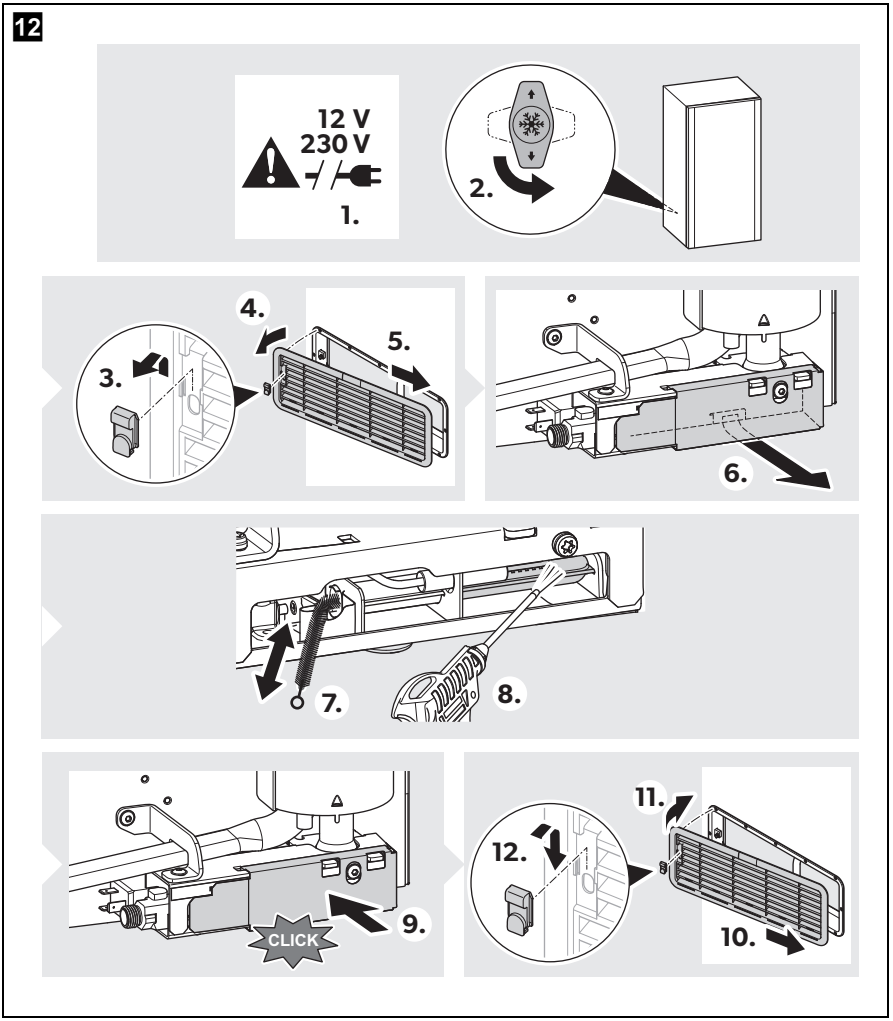
➤ Ensure that the ventilation grilles in the outer wall of the motorhome or caravan and the refrigerator roof ventilator are free from dust and pollutants. This ensures that the heat generated during operation can dissipate, the refrigerator is not damaged and the cooling capacity is not reduced.

6.1 Cleaning the gas burner

WARNING! Burn hazard
- Allow the burner to cool down before cleaning it.
- Do not modify the gas equipment.

NOTE
- Dirt in the gas burner is indicated by poor ignition or deflagrations.
- The manufacturer also recommends cleaning the burner after not being used for a longer period 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.

12



➤ Proceed as shown (fig. **12**).

6.2 Maintenance

WARNING! Risk of explosion and electrocution hazard
Work on gas and electrical equipment may only be performed by a qualified professional.

➤ 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 all maintenance performed.

7 Disposal

WARNING! Fire hazard
- The refrigerant is highly flammable. Do not open or damage the refrigerant circuit.
- The insulation of the device contains an insulating gas (see data plate). Do not damage the insulation.

Recycling products with batteries, rechargeable batteries, and light sources



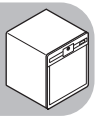
➤ Remove any batteries, rechargeable batteries, and light sources before recycling the product.

➤ Return defective or used batteries to your retailer or dispose of them at collection points.

➤ Do not dispose of any batteries, rechargeable batteries, and light sources with general household waste.

➤ If you wish to finally dispose of the product, ask your local recycling center or specialist dealer for details about how to do this in accordance with the applicable disposal regulations.

➤ The product can be disposed free of charge.



8 Technical data

	RMS 10.5 XT
Connection voltage	230 V~ / 50 Hz 12 V⎓
Capacity Gross volume: Refrigerator compartment: Frozen compartment: Total net capacity: Without frozen compartment Gross volume: Usable capacity:	 92 l 80.3 l 12.1 l 90 l 98 l 96 l
Power input	135 W (230 V~) 130 W (12 V⎓)
Energy consumption	3.2 kWh/24 h (230 V~)
Gas consumption	270 g/24 h
Climate class	SN
Dimensions H x W x D	821 x 523 x 603 mm
Weight	29 kg
Testing/certification	CE E1 UKCA

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).

DOMETIC

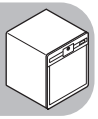
REFRIGERATION 10 SERIES



Compressor refrigerators

RCL 10.4 ET

RCD 10.5 XET



Safety Instructions

1 General safety



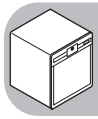
WARNING! Failure to obey these warnings could result in death or serious injury.

Electrocution hazard

- Installation and removal of the refrigerator may only be carried out by qualified personnel.
- Do not operate the refrigerator if it is visibly damaged.
- This refrigerator may only be repaired by qualified personnel. Improper repairs can result in considerable danger or damage to the refrigerator.
- If this refrigerator's power cable is damaged, it must be replaced by the manufacturer, a service agent or a similarly qualified person in order to prevent safety hazards.
- When positioning the refrigerator, ensure that the supply cord is not trapped or damaged.
- Do not locate multiple portable socket-outlets or portable power supplies at the rear of the refrigerator.
- Connect the device to a socket that guarantees a suitable connection, especially if the device needs to be grounded.
- If the device is powered by the mains, ensure that the power supply has a residual current circuit breaker (RCCB) or a ground fault circuit interrupter (GFCI). The installation must comply with all applicable regulations, especially in potentially damp areas.

Fire hazard

- The refrigerant in the refrigerant circuit is highly flammable. 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 open flames and potential ignition sources away from the refrigerator.
  - Air the room well.
  - Switch off the refrigerator.



For refrigerators with R600a or R1234yf refrigerant:

- The refrigeration circuit contains a small amount of an environmentally friendly but flammable refrigerant.. The refrigerant does not damage the ozone layer, nor does it contribute to the greenhouse effect. Any leaking refrigerant may ignite..
- Do not use or store refrigerant in enclosed spaces with none or minimal air flow.

Explosion hazard

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

Health hazard

- This refrigerator 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 refrigerator in a safe way and understand the hazards involved.
- Children aged from 3 to 8 years are allowed to load and unload the refrigerator.
- Cleaning and user maintenance shall not be performed by children without supervision.
- Children must be supervised to ensure that they do not play with the refrigerator.

Risk of child entrapment

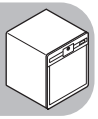
- Make sure that the shelves are mounted and secured so that children cannot lock themselves in the refrigerator.
- Before disposing of your old refrigerator:
  - Dismantle the drawers.
  - Leave the shelves in the refrigerator so that children cannot climb inside.
  - Take off the doors.



CAUTION! Failure to obey these cautions could result in minor or moderate injury.

Health hazard

- To prevent hazards due to instability of the refrigerator, it must be fixed in accordance with the installation instructions.



- Keep ventilation openings, on the refrigerator 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 refrigerator unless they are recommended by the manufacturer for that purpose.

Risk of injury

- Do not use or store flammable materials in or near the refrigerator.
- Do not place any objects on or lean them against the refrigerator.
- Do not modify the refrigerator in any way.



NOTICE! Damage hazard

- Select operation with the DC network only if the vehicle engine is running and the light system provides sufficient voltage, or if you are using a battery monitor.
- Always keep the condensation drain clean, if present.
- If the refrigerator has a ventilation grille, do not use a high-pressure water cleaner to clean the vehicle in the area of the ventilation grilles.
- The refrigerator may not be exposed to rain.

2 Safety when operating



DANGER! Failure to obey these warnings will result in death or serious injury.

Electrocution hazard

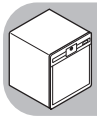
- Do not touch exposed cables with your bare hands.
- Before starting the refrigerator, ensure that the power supply line and the plug are dry.



CAUTION! Failure to obey these cautions could result in minor or moderate injury.

Health hazard

- Ensure that foodstuffs do not touch the walls of the cooling area.
- Clean regularly surfaces that can come in contact with food and accessible drainage systems.



- 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.
- If the refrigerator is left empty for long periods:
  – Switch off the refrigerator.
  – Defrost the refrigerator.
  – Clean and dry the refrigerator.
  – Leave the door open to prevent mould developing within the refrigerator. If available, move the refrigerator door and freezer compartment door into the winter position.

Risk of injury

- Do not place your hand on the hinge.
- Close and lock the refrigerator door before beginning a journey.
- The cooling system at the back of the refrigerator becomes very hot during operation. If the refrigerator is equipped with ventilation grilles, protect yourself from contact with hot parts when removing the ventilation grilles.
- The device door or the freezer door can completely detach from the device if used incorrectly. Push the doors closed until you hear a clear click at the top and bottom.



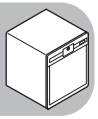
NOTICE! Damage hazard

- Do not lean on the open refrigerator door.
- Store heavy objects such as bottles or cans only in the refrigerator door, in the vegetable compartment or on the bottom shelf.
- If the refrigerator has a double-sided door and the door is not locked correctly on the opposite side, push on that side at the top and the bottom until it locks in place.
- **Risk of overheating**
  Always ensure sufficient ventilation so that the heat generated during operation can dissipate. Make sure that the refrigerator is sufficiently far away from walls or other objects so that the air can circulate.
- Do not fill the interior with liquids or ice.
- Protect the refrigerator and the cable against heat and moisture.
- Never pull the plug out of the socket by the cable.



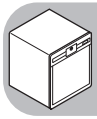
NOTE

- Ask your vehicle manufacturer if the battery management system of your vehicle shuts down the refrigerator to protect the battery.



- For ambient temperatures of +15 °C to +25 °C, select the average temperature setting.
- If the door is not locked correctly on the opposite side, push on that side at the top and the bottom until it locks in place.
- **To avoid food waste, note the following:**
  - Keep temperature fluctuation as low as possible. Only open the refrigerator and the freezer compartment as often and for as long as necessary. Opening the door for long periods can cause 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.
  - Make sure that you only put items or goods in the refrigerator which may be chilled at the selected temperature.
  - Store the different foodstuff types as shown in the figures.
  - If the temperature can be adjusted: Adjust the temperature to the quantity and type of the foodstuff.
  - Foodstuff can easily absorb or release odor or taste. Always store foodstuff covered or in closed containers/bottles.

Compressor refrigerator RCL10.4ET



1 Intended use

The refrigerator is suitable for:

- Installation in caravans and motor homes
- 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

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

This refrigerator is not intended to be used in household applications.

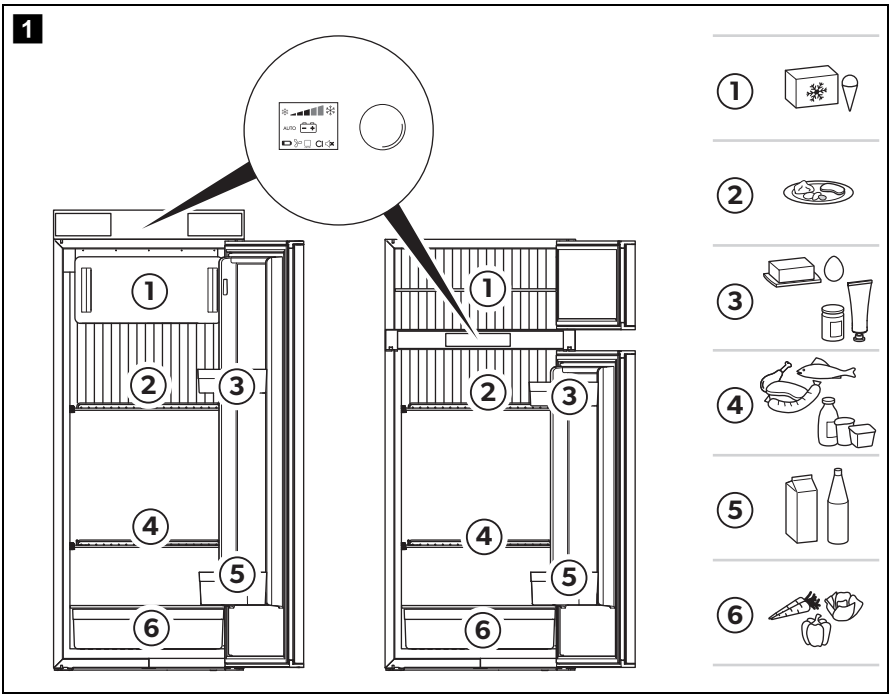
The frozen compartment is suitable for storing pre-frozen food, storing or making ice cream and making ice cubes. It is not suitable for freezing previously unfrozen food.

2 Technical description

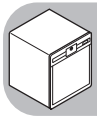
The refrigerator is a compressor refrigerator and is designed for operation on a 12V⎓ power supply.

2.1 Operating and display elements

The TFT display has the following operating and display elements (fig. **1**):



Icon	Description
	Temperature setting indicator
	Blue snowflake: Compressor is running
	White snowflake: Compressor is not running
	Operation with DC power
05	Warning indication with error code
User mode	User mode:
	Performance • All thermostat settings selectable • Compressor operates in high rpm mode • External ventilation fan operates in high rpm mode

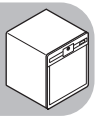


Icon	Description	
		Quiet • Thermostat settings 1, 2 and 3 are selectable • Compressor operates in low rpm mode • External ventilation fan operates in low rpm mode
		Boost • Thermostat settings fixed on maximum • Compressor operates in high rpm mode • External ventilation fan operates in high rpm mode
Settings	Settings (only RCD models):	
		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 lights up when child lock is enabled: • Push the rotary button 3 times within 1.5 seconds to unlock the controls. • After 10 seconds 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

3 Operating the refrigerator

3.1 Before first use

- Before starting your new refrigerator for the first time, clean it inside and outside with a damp cloth for hygienic reasons.



- When using the refrigerator for the first time, there may be a mild odour which will disappear after a few hours. Air out the living space well.

➤ Do not store goods in the refrigerator for the first 4 hours after start-up.

➤ 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).

3.2 Notes on storing food



CAUTION! Health hazard
If the refrigerator is exposed to a room temperature of below +10 °C for an extended period of time, a uniform temperature cannot be guaranteed in the frozen compartment. This can lead to an increase of the frozen compartment temperature and the goods stored in it may defrost.



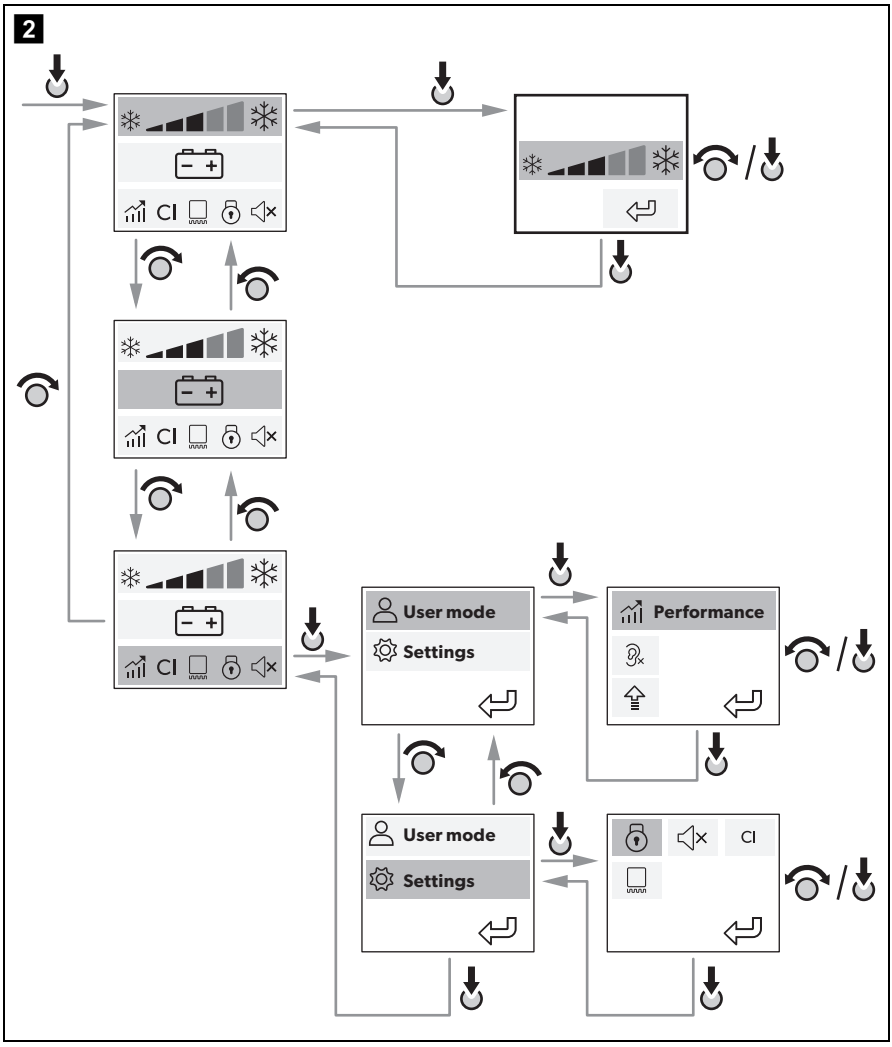
NOTICE! Damage hazard
- The maximum weight per door shelf is 3 kg. The maximum weight for the entire door is 7.5 kg.
- Do not keep carbonated drinks in the frozen compartment.

➤ Store food as shown (fig. **1**, page 112).

3.3 Saving energy

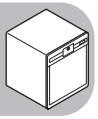
- Only open the refrigerator as often and for as long as necessary.
- Allow warm food to cool down first before placing it in the device to keep cool.
- Defrost your refrigerator as soon as a layer of ice forms.
- Avoid unnecessarily low temperature settings.
- For optimal energy consumption, position 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.

3.4 Operating the refrigerator



NOTE

- When setting the QUIET mode or BOOST mode, the refrigerator returns after 8 hours automatically to PERFORMANCE mode, using the same configuration as set before changing to QUIET or BOOST mode.
- For ambient temperatures of +15 °C to +25 °C, select the average temperature setting.



Operating modes

Icon	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 uncooled foodstuff has been put in the refrigerator No selection of temperature levels

To switch on the refrigerator:

➤ Press the control knob for 2 seconds.

✓ The refrigerator starts with the last selected settings.

To navigate in the menu:

1. Press the control knob to activate the navigation menu (fig. **2**, page 115).
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 ⏎.

To switch off the refrigerator:

➤ Press the control knob for 4 seconds.

✓ A beep sounds and the refrigerator switches off.

3.5 Using the refrigerator door

CAUTION! Risk of injury
- The refrigerator door or frozen compartment door can completely detach from the device if used incorrectly.
- Do not lean on the open refrigerator door.

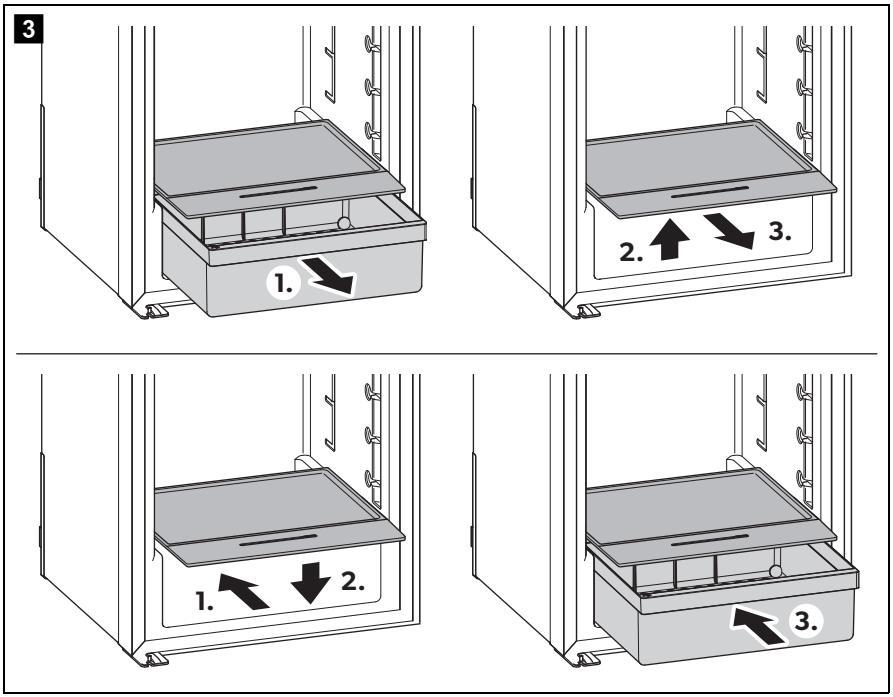
NOTE
If the door is not locked correctly on the opposite side, carefully push on the top and bottom of the door on that side until it locks into place.

To close and secure the refrigerator door/frozen compartment door:

➤ Press the door shut until you hear it clearly click at the top and bottom.

✓ The door is now closed and secured.

3.6 Using the VG fresh base



NOTICE! Damage hazard
The maximum load capacity of the VG fresh base is 4.5 kg.

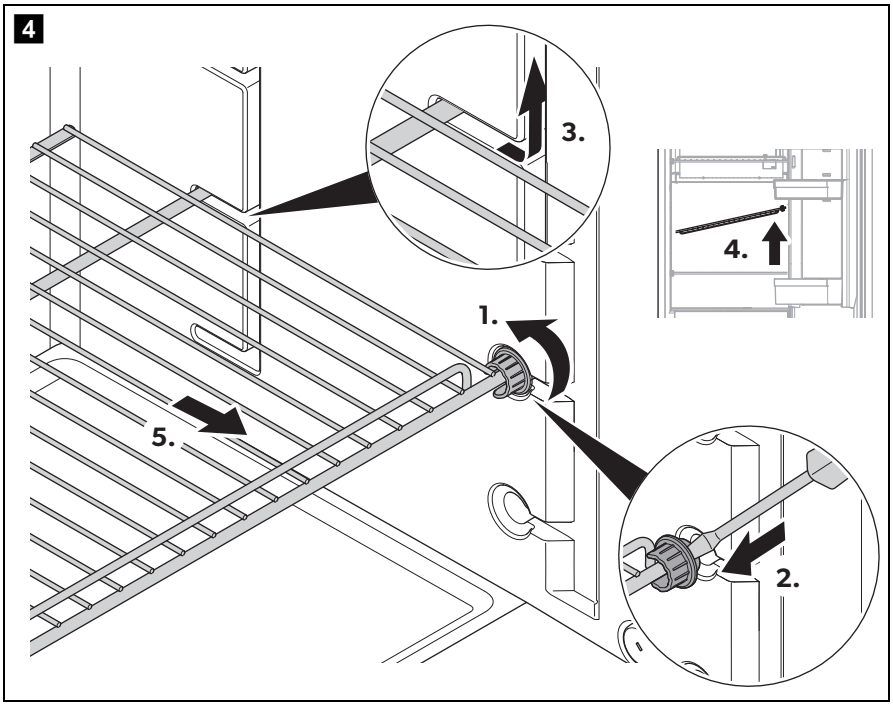
Using the slider in the VG fresh base, the humidity in the vegetable compartment below can be regulated:

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

To remove and insert the VG fresh base:

➤ Proceed as shown (fig. **3**).

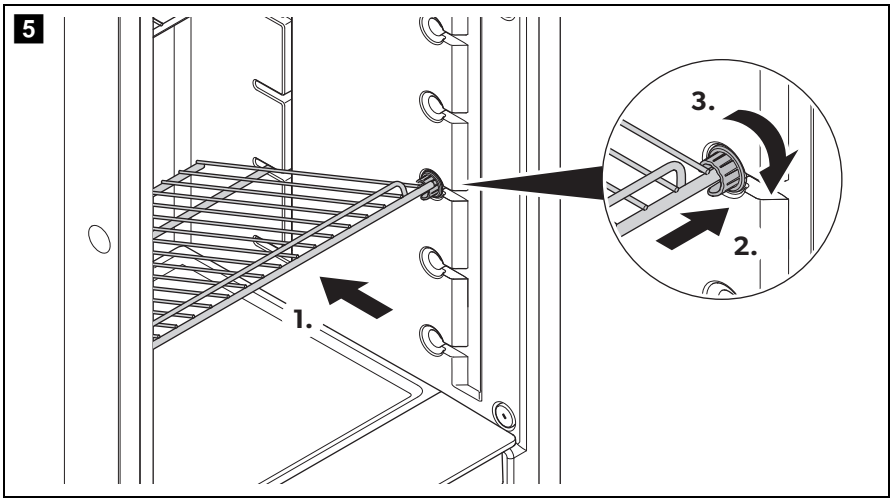
3.7 Positioning the shelves



WARNING! Risk of child entrapment
All shelves are fixed in place to prevent children from climbing inside the refrigerator.
- Only remove the shelves for cleaning purposes.
- Refit the shelves and secure them in place.

1. Remove the shelf as shown (fig. **4**).
2. Refit the shelf in the reverse order.

Positioning the shelf at an angle for wine bottles

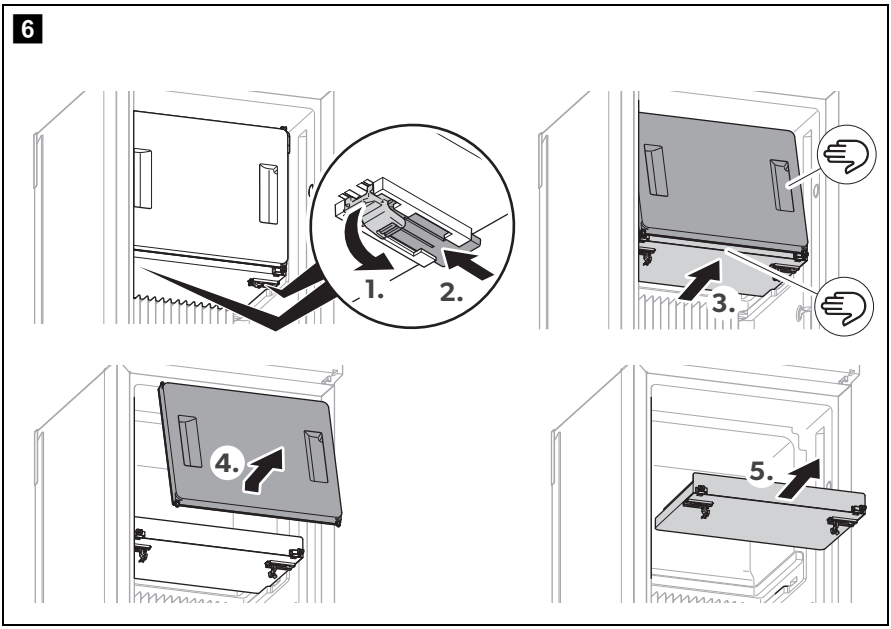


NOTICE! Damage hazard
While driving, the shelf in the angled position must **not** be filled.

➤ Change the position of the shelf as shown (fig. **5**).

3.8 Removing the frozen compartment

6



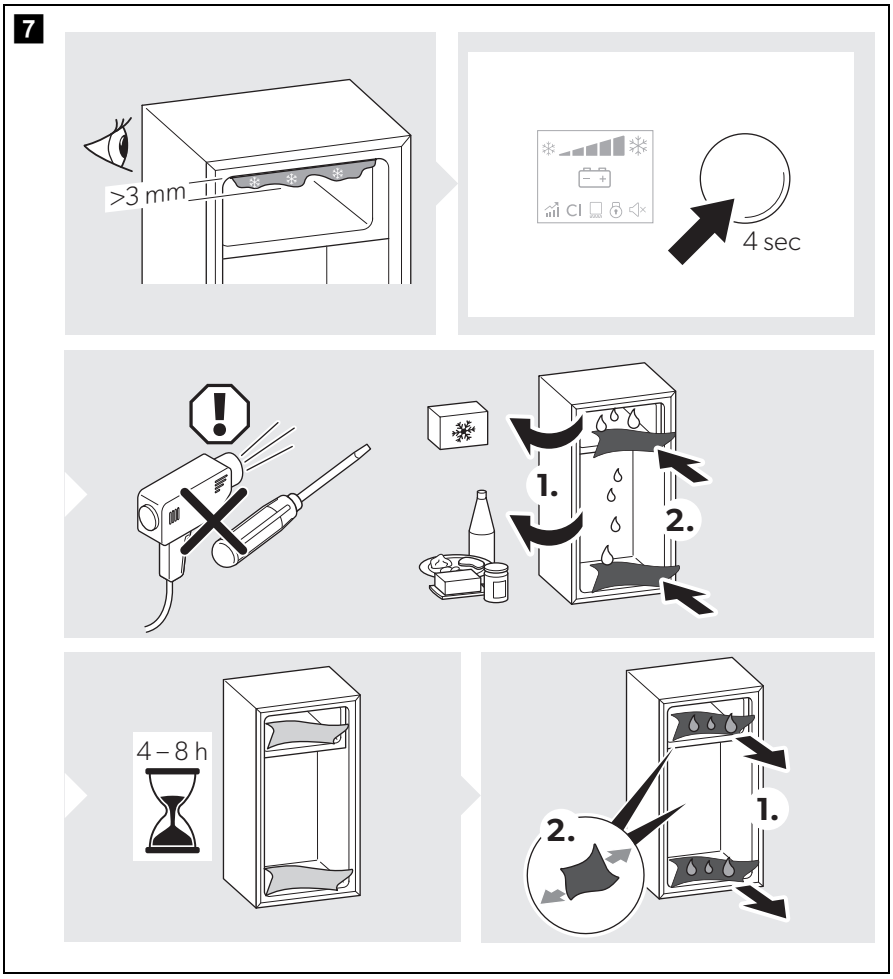
The frozen compartment can be removed to create more space in the refrigerator compartment.

NOTE

- Keep the frozen compartment door and the frozen compartment base in a safe place to prevent any damage.
- When installing, replace the parts in the reverse order.

➤ Proceed as shown (fig. **6**).

3.9 Defrosting the refrigerator

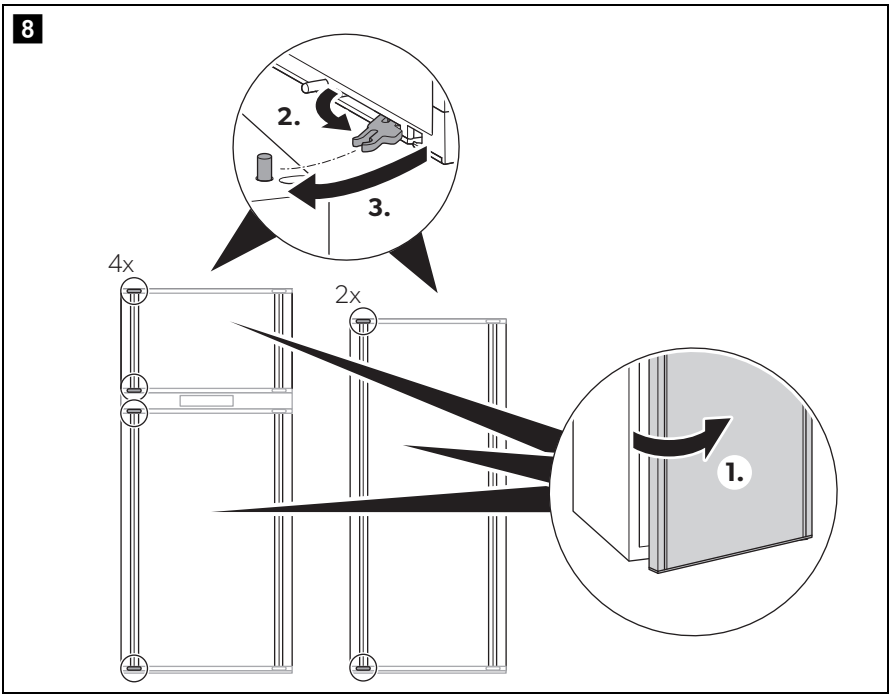


NOTICE! Damage hazard
Do not use mechanical tools or a hair dryer to remove ice or to loosen frozen items.

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.

➤ Proceed as shown (fig. **7**).

3.10 Positioning the refrigerator door into winter position



NOTICE! Damage hazard
The winter position may **not** be used while driving.

Put the refrigerator door and the frozen compartment door into the winter position if the refrigerator is not to be used for a longer period of time. This prevents mold from forming.

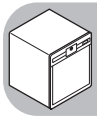
1. Defrost the refrigerator (chapter "Defrosting the refrigerator" on page 121).
2. Turn the hook near the securing mechanism all the way at the top and bottom of one side of the door (fig. **8**).
3. Press against the refrigerator door.

✓ The protruding pin snaps into the hook.

Open the door in winter mode as follows:

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

4 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.

Fault	Possible cause	Suggestion
The refrigerator does not work.	The fuse in the DC cable is defective.	The fuse on the relay must be replaced. ➤ Contact an authorized service agent.
	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 temperature at the compressor is too low (<0 °C).	➤ Close/cover all external ventilation grills completely with insulation material.
	The refrigerator switches off automatically if the voltage is insufficient. (Cut-off voltage: 10.4 V)	➤ Load the battery. The refrigerator will start again automatically. (Cut-in voltage: 11.7 V)
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. Make sure that the refrigerator seal fits correctly and is not damaged. Defrost the refrigerator.
	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 the same time.	➤ 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.

4.1 Error and warning indication

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

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

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

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

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

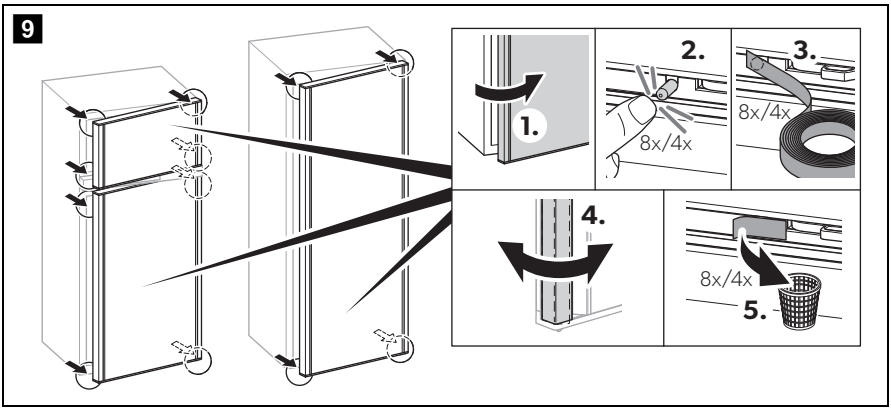
➤ Press the control knob for at least 2 seconds.

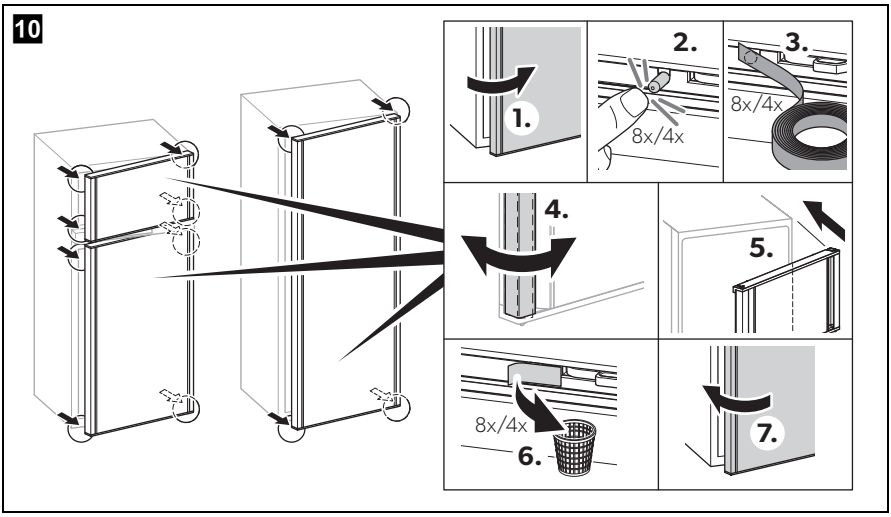
✓ A beep sounds.

✓ The error has been reset.

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

4.2 Troubleshooting with the refrigerator door



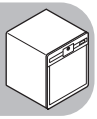


CAUTION! Risk of injury
The door can completely detach from the device if the locking pins have been tampered with or are twisted.

NOTE
If the door no longer closes, then the door handle is blocked on the opened side.

To reattach the door:

➤ Insert the door as shown (fig. **9**, page 125).



To close the door:

➤ Remove the door handle blockage as shown (fig. **10**, page 125).

5 Cleaning and maintenance



WARNING! Electrocution hazard
Always disconnect the refrigerator from the energy supply before you clean and service it.



NOTICE! Damage hazard
When cleaning, never use sharp cleaning agents or hard or pointed tools to remove layers of ice or to loosen objects which have frozen in place.

➤ Clean the refrigerator regularly and when it gets dirty using a damp cloth.

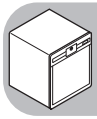
➤ Ensure that no water drips into the seals. This can damage the electronics.

➤ 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.

6 Disposal





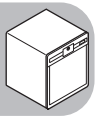
WARNING! Fire hazard

- The refrigerant is highly flammable. Do not open or damage the refrigerant circuit.
- The insulation of the device contains an insulating gas (see data plate). Do not damage the insulation.

Recycling products with batteries, rechargeable batteries, and light sources



- ➤ Remove any batteries, rechargeable batteries, and light sources before recycling the product.
- ➤ Return defective or used batteries to your retailer or dispose of them at collection points.
- ➤ Do not dispose of any batteries, rechargeable batteries, and light sources with general household waste.
- ➤ If you wish to finally dispose of the product, ask your local recycling center or specialist dealer for details about how to do this in accordance with the applicable disposal regulations.
- ➤ The product can be disposed free of charge.



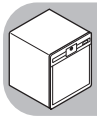
7 Technical data

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).

This device complies with UN ECE Regulation R10.

	RCL10.4ET
Capacity Gross capacity: Refrigerator compartment: Frozen compartment: Total net capacity: Without frozen compartment Gross capacity: Net capacity:	 154 l 131 l 18 l 149 l 157 l 152 l
Connection voltage	12 V⎓
Average power consumption	57 W
Energy consumption PERFORMANCE mode:	0.54 kWh/24 h 45 Ah/24 h
Climate class	ST
Refrigerant	R600a
Refrigerant quantity	31 g
CO2 equivalent	0.091 kg
Global warming potential (GWP)	3
Noise emission (EN60704) PERFORMANCE mode: QUIET mode:	 42 dB(A) 39 dB(A)
Dimensions (H x W x D)	1293 x 420 x 595 mm
Weight	31 kg
Inspection/certification	CE UK CA

Compressor refrigerator RCD10.5XET



1 Intended use

The refrigerator is suitable for:

- Installation in caravans and motor homes
- 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

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

This refrigerator is not intended to be used in 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.

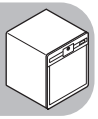
2 Technical description

The refrigerator is a compressor refrigerator and is designed for operation on a 12V⎓ power supply.

2.1 Operating and display elements

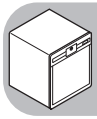
The TFT display has the following operating and display elements:

Icon	Description
❄ ▂▄▆▇ ❄	Temperature setting indicator
❄	Blue snowflake: Compressor is running
❄	White snowflake: Compressor is not running
🔋	Operating with DC power
🔋 ⚠ 05	Warning indication with error code



Icon	Description
User mode	User mode:
	PERFORMANCE mode • All thermostat settings selectable • The compressor operates in the high rpm mode, which is defined by setting stages with different compressor speeds. • External ventilation fan operates in high rpm mode
	QUIET mode • Thermostat settings 1, 2 and 3 are selectable • Compressor operates in low rpm mode • External ventilation fan operates in low rpm mode
	BOOST mode • Thermostat settings fixed on maximum • Compressor operates in high rpm mode • The external ventilation fan operates at the highest speed
Settings	Settings:
	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 lights up when child lock is enabled: • Push the rotary button 3 times within 1.5 seconds to unlock the controls. • After 10 seconds 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

3 Operating the refrigerator



3.1 Before first use

- Before starting your new refrigerator for the first time, clean it inside and outside with a damp cloth for hygienic reasons.
- When using the refrigerator for the first time, there may be a mild odour which will disappear after a few hours. Air out the living space well.

➤ Do not store goods in the refrigerator for the first 4 hours after start-up.

➤ 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).

3.2 Notes on storing food

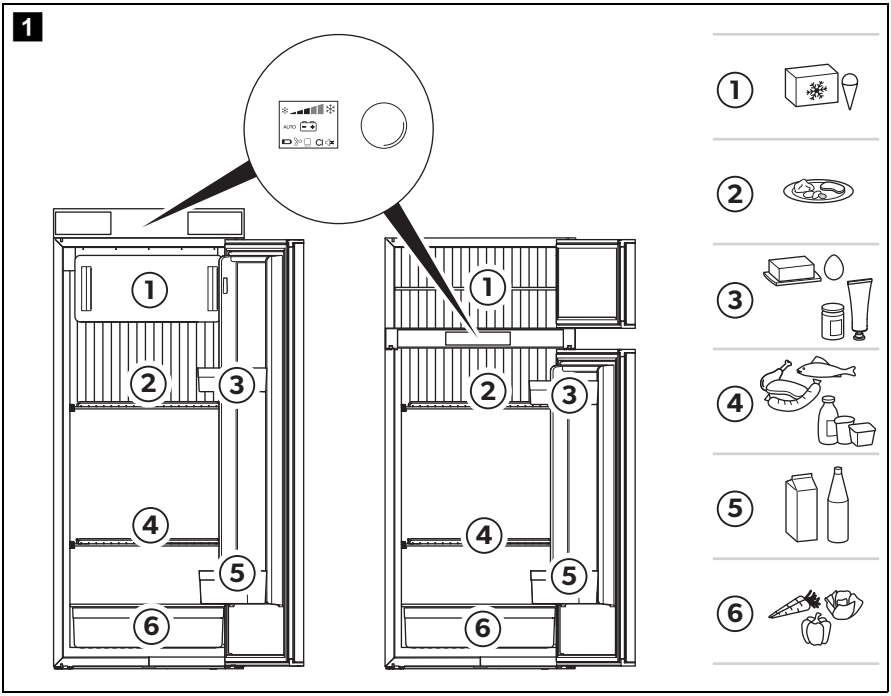


CAUTION! Health hazard
If the refrigerator is exposed to a room temperature of below +10 °C for an extended period of time, a uniform temperature cannot be guaranteed in the frozen compartment. This can lead to an increase of the frozen compartment temperature and the goods stored in it may defrost.



NOTICE! Damage hazard
- The maximum weight per door shelf is 3 kg. The maximum weight for the entire door is 7.5 kg.
- Do not keep carbonated drinks in the frozen compartment.

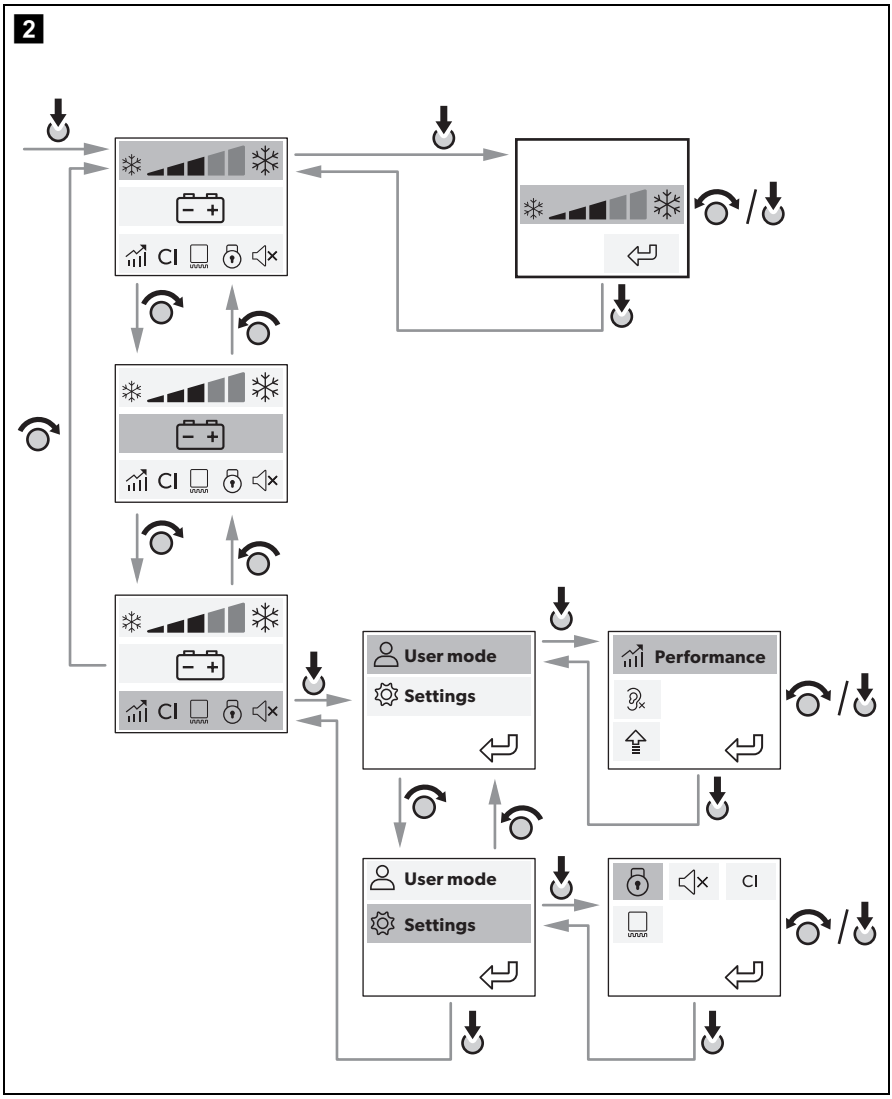
➤ Store food as shown (fig. **1**, page 132).



3.3 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 your refrigerator as soon as a layer of ice forms.
- 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.

3.4 Operating the refrigerator



NOTE

- When setting the QUIET mode or BOOST mode, the refrigerator returns automatically to PERFORMANCE mode after 8 hours, using the same configuration as set before changing to QUIET or BOOST mode.
- For ambient temperatures of +15 °C to +25 °C, select the average temperature setting.

Operating modes

Icon	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 uncooled foodstuff has been put in the refrigerator No selection of temperature levels

To switch on the refrigerator:

➤ Press the control knob for 2 seconds.

✓ The refrigerator starts with the last selected settings.

To navigate in the menu:

1. Press the control knob to activate the navigation menu (fig. **2**, page 133).

➤ Turn the control knob to select the desired detail menu.

➤ Press the control knob to open the selected detail menu.

➤ Turn the control knob to navigate through the detail menu.

✓ Selected settings are displayed in blue.

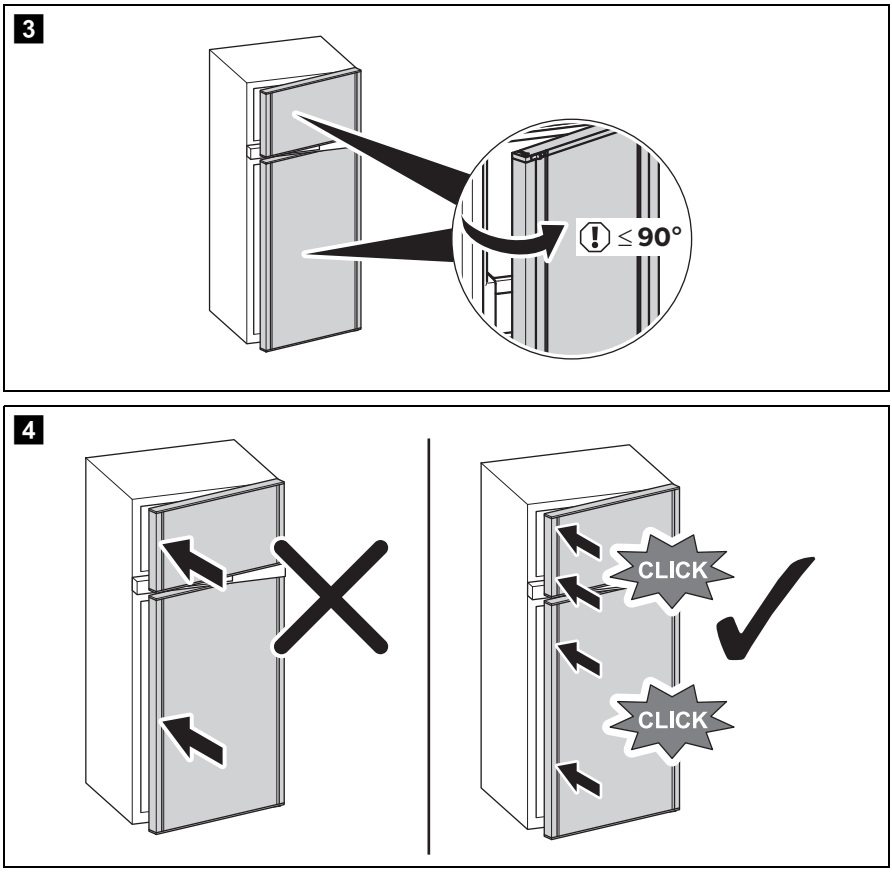
2. Press the control knob to choose the selected setting.
3. Confirm the selection with ⏎.

To switch off the refrigerator:

➤ Press the control knob for 4 seconds.

✓ A beep sounds and the refrigerator switches off.

3.5 Using the refrigerator door



CAUTION! Risk of injury

- The refrigerator door or frozen compartment door can completely detach from the device if used incorrectly.
- Do not lean on the open refrigerator door.

NOTICE! Damage hazard
Do not open the door at an angle greater than 90° (fig. **3**).

NOTE
If the door on the opposite side is not locked correctly,
gently press on the top and bottom of the side until it locks in place.

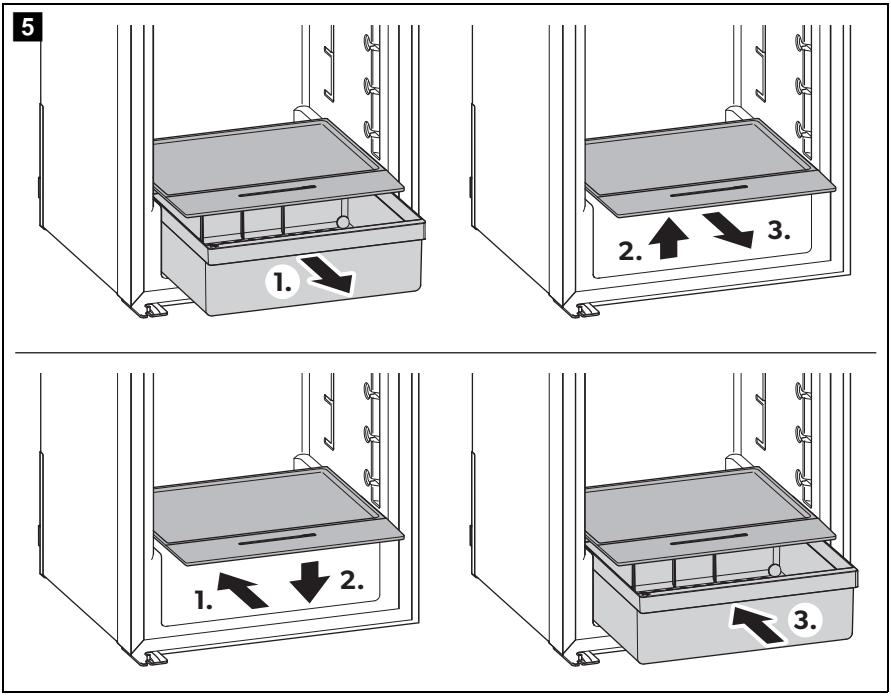
To close and secure the refrigerator door/frozen compartment door:

➤ Press the door shut until you hear it clearly click at the top and bottom (fig. **4**).

✓ The door is now closed and secured.

3.6 Using the VG fresh base

5



NOTICE! Damage hazard
The maximum load capacity of the VG fresh base is 4.5 kg.

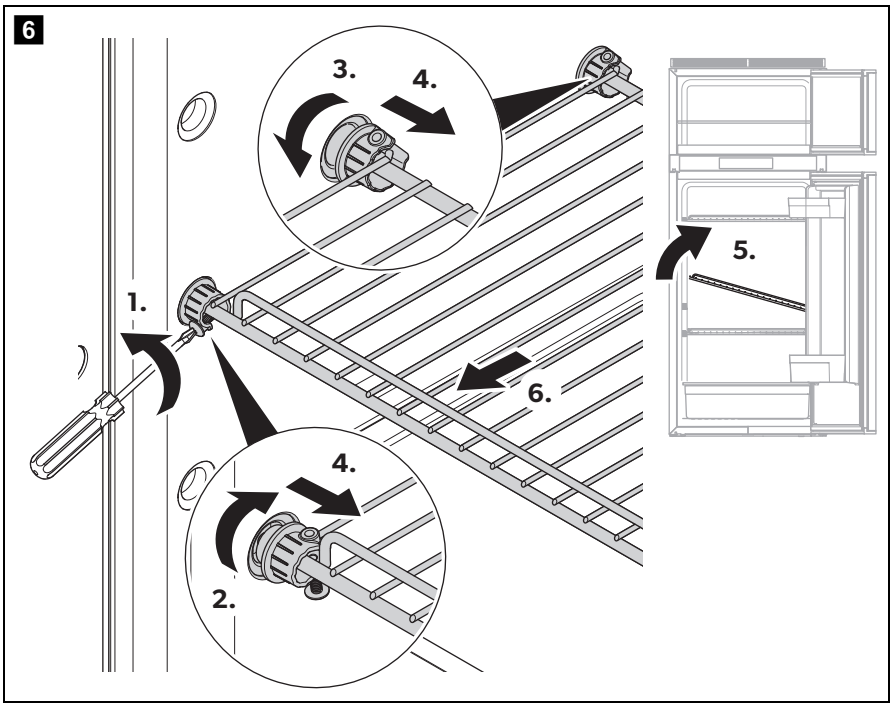
Using the slider in the VG fresh base, the humidity in the vegetable compartment below can be regulated:

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

To remove and insert the VG fresh base:

➤ Proceed as shown (fig. **5**, page 136).

3.7 Positioning the shelves



WARNING! Risk of child entrapment
All shelves are fixed in place to prevent children from climbing inside the refrigerator.
- Only remove the shelves for cleaning purposes.
- Refit the shelves and secure them in place.

1. Remove the shelf as shown (fig. **6**, page 137).
2. Refit the shelf in the reverse order.

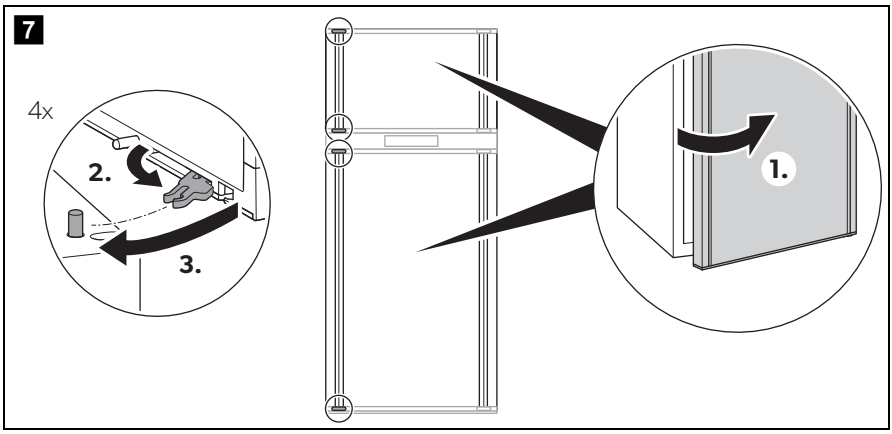
4 Storing the refrigerator

NOTICE! Damage hazard
The winter position must **not** be used while driving.

Put the refrigerator door and the frozen compartment door into the winter position if the refrigerator is not going to be used for a longer period of time. This prevents mould from forming.

1. Defrost the refrigerator (chapter "Defrosting the refrigerator" on page 142).
2. Turn the hook near the securing mechanism all the way at the top and bottom of one side of the door (fig. **7**).
3. Press against the refrigerator door.

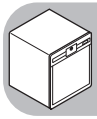
✓ The protruding pin snaps into the hook.



Open the door in winter mode as follows:

1. Pull the door toward you.

2. Push in the protruding hooks at the top and bottom of the door.



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.

Fault	Possible cause	Suggestion
The refrigerator does not work.	The fuse in the DC cable is defective.	The fuse on the relay must be replaced. ➤ Contact an authorized service agent.
	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 temperature at the compressor is too low (<0 °C).	➤ Close/cover all external ventilation grills completely with insulation material.
	The refrigerator switches off automatically if the voltage is insufficient. (Cut-off voltage: 10.4 V)	➤ Load the battery. The refrigerator will start again automatically. (Cut-in voltage: 11.7 V)
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. Make sure that the refrigerator seal fits correctly and is not damaged. Defrost the refrigerator.
	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 the same time.	➤ 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.

5.1 Error and warning indication

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

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

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

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

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

➤ Press the control knob for at least 2 seconds.

✓ A beep sounds.

✓ The error has been reset.

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

6 Cleaning and maintenance

WARNING! Electrocution hazard
Always disconnect the refrigerator from the mains before cleaning and servicing it.

NOTICE! Damage hazard
- Do not use abrasive cleaning agents or hard objects during cleaning as these can damage the refrigerator.
- Never use hard or sharp tools to remove ice or to free objects frozen onto the device.
- Do not use any mechanical tools or any other tools to speed up the defrosting process.
- If present, attach the winter covers (accessories) of the ventilation grille when the vehicle is cleaned from the outside or not used for a prolonged period of time.

➤ Clean the refrigerator regularly and as soon as it becomes dirty with a damp cloth.

➤ Ensure that no water drips into the seals. This can damage the electronics.

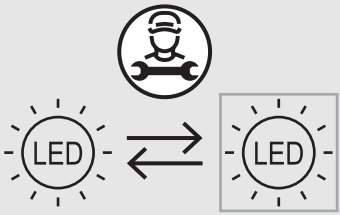
➤ Wipe the refrigerator dry with a cloth after cleaning.

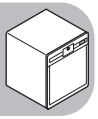
➤ Check the condensate drain regularly.

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

6.1 Replacing the LED light

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





6.2 Defrosting the refrigerator



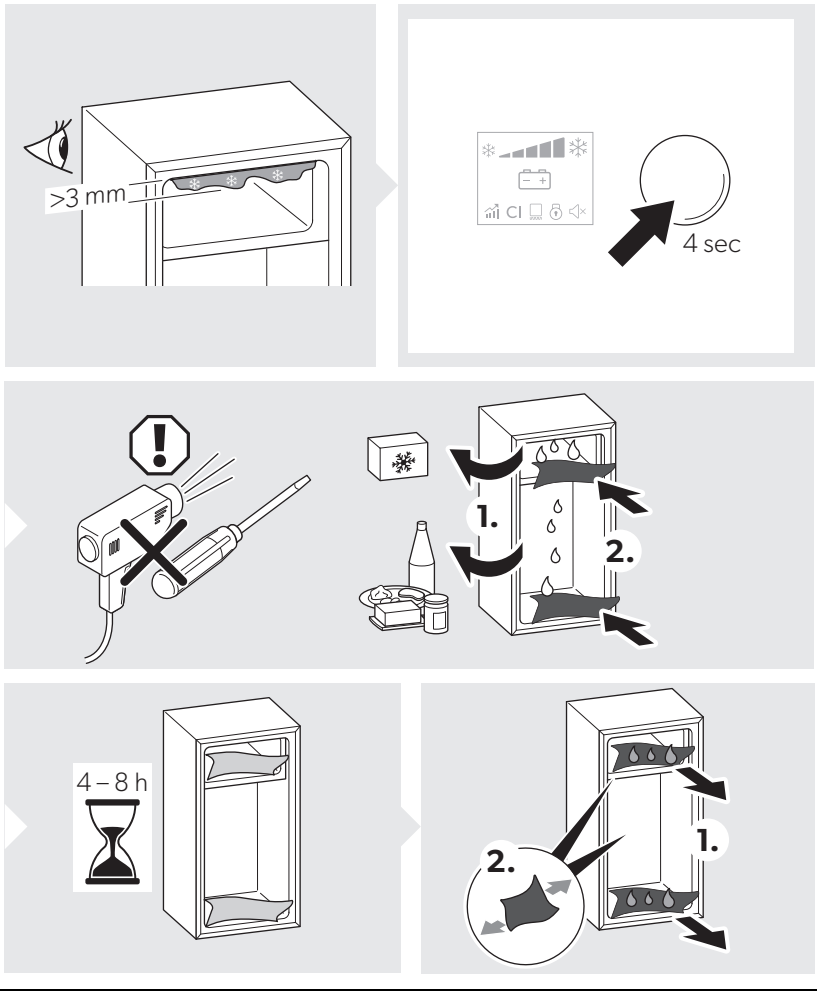
NOTICE! Damage hazard
Do not use mechanical tools or a hair dryer to remove ice or to loosen frozen items.



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

➤ Proceed as shown (fig. **8**, page 143).

8



7 Disposal

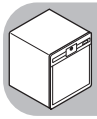
NOTICE!
The insulation of the cooling device contains flammable cyclopentane and requires special disposal procedures. Deliver the cooling device at the end of its life-cycle to an appropriate recycling center.

Recycling products with batteries, rechargeable batteries, and light sources



- ➤ Remove any batteries, rechargeable batteries, and light sources before recycling the product.
- ➤ Return defective or used batteries to your retailer or dispose of them at collection points.
- ➤ Do not dispose of any batteries, rechargeable batteries, and light sources with general household waste.
- ➤ If you wish to finally dispose of the product, ask your local recycling center or specialist dealer for details about how to do this in accordance with the applicable disposal regulations.
- ➤ The product can be disposed free of charge.

8 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).

This device complies with UN ECE Regulation R10.

Depending on the model, the refrigerator uses either R134a or R600a as refrigerant. The refrigerant used can be found on the data plate.

	RCD10.5XET
Capacity Gross capacity: Refrigerator compartment: Frozen compartment:	 200 l 159 l 40.6 l
Connection voltage	12 V⎓
Average power consumption	75 W
Energy consumption PERFORMANCE mode	0.83 kWh/24 h 52.9 Ah/24 h
Climate Class	N, ST
Refrigerant	R600a
Refrigerant quantity	34 g
CO2 equivalent	0.000102 t
Global warming potential (GWP)	3
Noise emission PERFORMANCE mode: QUIET mode:	 42 dB(A) 39 dB(A)
Dimensions (H x W x D)	1283 x 523 x 605 mm
Weight	39.5 kg
Inspection/certification	CE UK CA

DOMETIC

COOKING
COOKERS & RANGES

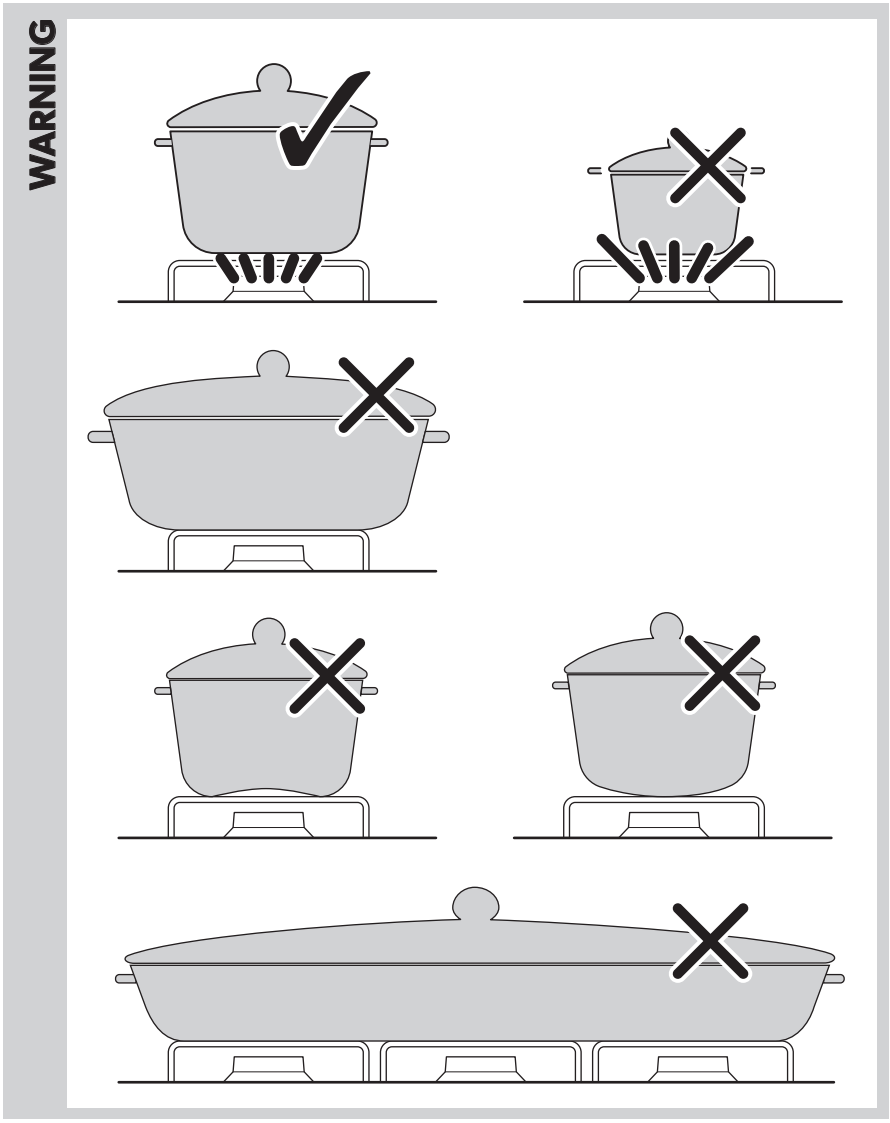


Cooktop combination

CVC1700G

Liquid gas stove CVC1700G

1 Safety instructions



1.1 Preliminary notes

WARNING! Failure to obey these warnings could result in death or serious injury.

Explosion hazard

- Prior to installation, ensure that the local distribution conditions (nature of the gas and gas pressure) and the adjustment of the device are compatible.
- The adjustment conditions for this device are stated on the label (or data plate).
- This device is not connected to a combustion products evacuation device. This device shall be installed and connected according to current installation regulations. Particular attention shall be given to the relevant requirements regarding ventilation.

1.2 General safety

WARNING! Failure to obey these warnings could result in death or serious injury.

Explosion hazard

- This device may only be repaired by qualified personnel. Inadequate repairs may cause serious hazards.
- This device must be installed in accordance with any national regulations in force in the country of use.
- This device must only be used in a well ventilated space.
- Read the instructions before installing or using this device.
- Do not modify the device.
- Do not remove or replace any components of this device.
- The gas hose has to be changed if required by the national regulations.
- Do not twist, stretch, pinch, or apply any other load to the gas supply hose.

Fire hazard

- Do not leave this device unattended when hot or in use.
- Children must be supervised to ensure that they do not play with the device.

- Keep a suitable fire extinguisher ready.
  Ensure that the fire extinguisher is checked by skilled personnel in regular intervals.

Burn hazard

- Keep hands, face and hair away from burners.
- Do not wear loose clothing or allow long hair to hang freely while lighting or using this device.
- Keep children and pets away.
- Carefully monitor all activity around this device to avoid burns or other injuries.

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.

CAUTION! Failure to obey these cautions could result in minor or moderate injury.

Risk of injury

- If the device has a glass lid, in case of glass lid breakage:
  - Shut off immediately all burners and any electrical heating element and isolate the device from the power supply.
  - Do not touch the device surface.
  - Do not use the device.

NOTICE! Damage hazard

- If the device has a glass lid:
  - Close the glass lid before beginning a journey.
  - Turn off all the burners before closing the glass lid.

1.3 Safety precautions when handling liquid gas

WARNING! Failure to obey these warnings could result in death or serious injury.

Explosion hazard

- After use always disconnect the liquid gas cylinder.



- Store liquid gas cylinders away from heating or cooking devices and other light or heat sources in a well-ventilated area out of the reach of children.
- **Never** store liquid gas cylinders in unventilated areas or below ground level (funnel-shaped holes in the ground).
- **Never** store liquid gas cylinders in buildings such as garages.
- Any indoor storage must comply with national regulations.
- Do not store liquid gas cylinders on their side.
- Keep liquid gas cylinders away from direct sunlight. The temperature should not exceed 50 °C.

1.4 Operating the device safely



DANGER! Failure to obey these instructions will cause death or serious injury.

Hazard of carbon monoxide poisoning

- The process of burning liquid gas produces carbon monoxide which accumulates inside enclosed areas.
  Only use this device with sufficient ventilation.

Suffocation hazard

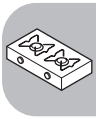
- Operating this device in an unventilated area will reduce the amount of oxygen in this area.
- Do not use the device as a space heater.
- The use of a gas cooking appliance results in the production of heat, moisture and products of combustion in the room in which it is installed.
  - Ensure that the kitchen is well ventilated especially when the device is in use.
  - Keep natural ventilation holes open or install a mechanical ventilation device (e.g. a mechanical extractor hood).
- Prolonged intensive use of the device may call for additional ventilation such as opening of a window, or more effective ventilation such as increasing the level of mechanical ventilation where present.



WARNING! Failure to obey these warnings could result in death or serious injury.

Explosion hazard

- Do not use this device if it is leaking, damaged or does not operate properly.



- Never use the device in the following situations:
  - At petrol stations
  - On ferry boats
  - While transporting the caravan or mobile home with a transport vehicle or tow truck
- In case of fire shut off the gas supply.
- Do not place chemicals, flammable materials, or spray aerosols near this device.
- Never use a open flame to check for gas leaks.
- In case of gas smell:
  - Do not attempt to light this device.
  - Extinguish any open flames.
  - Turn off the gas supply.
  - Disconnect the device from the gas supply.
  - When using the device indoors, open the windows and evacuate the vehicle.
  - Have the gas system checked by a specialist.
- Only attach or detach the gas container outdoors away from a open flame, pilot light, or other source of ignition and only when this device is cool to touch.
- Before using the gas container check that the seal between this device and the gas container is in place and in good condition.
- If the seal is damaged or worn, do not use this device.
- Turn off the gas supply at the gas container after use.

Fire hazard

- This device must be kept away from flammable materials during use.
- Do not place any objects other than cookware on or against this device.
- Never place this device near flammable materials (paper, dry leaves, textiles).
- Keep flammable objects away from the burner.
- Position cookware handles as follows:
  - Never allow cookware handles to extend beyond the edge of the device.
  - Turn cookware handles inward, but not extending over other burners.
- Do not excessively heat grease or oil.
- Only use dry pot holders to handle hot cookware.

- Turn off the device before removing the cookware.
- Only operate this device when an adult can attend to it.

Burn hazard

- Accessible parts may be very hot. Keep young children away.



CAUTION! Failure to obey these cautions could result in minor or moderate injury.

Burn hazard

- Use protective gloves when handling hot components.
- Let the device to cool down before touching it with bare hands.
- When a burner is ignited manually:
  - Use long matches or a suitable lighter.
  - Remove the hands quickly as soon as the burner ignites.
- The use of alcohol or prescription or non-prescription drugs may impair your ability to properly assemble or safely operate this device.

2 Scope of delivery

Description
Gas cooktop combination
Fastening screws
Siphon and rubber seal
Operating manual

3 Accessories

The following accessories are not included in the scope of delivery:

Description
Extendable cutting board
Single cutting board
Half cutting board
Cutting board with strainer
Basket

4 Intended use

The gas cooktop combination is intended for installation in a kitchen or countertop in caravans or motor homes.

The gas cooktop combination is suitable for:

- Cooking and frying food in suitable cookware
- Use with gas of the permissible gas category (see chapter “Technical data” on page 163)

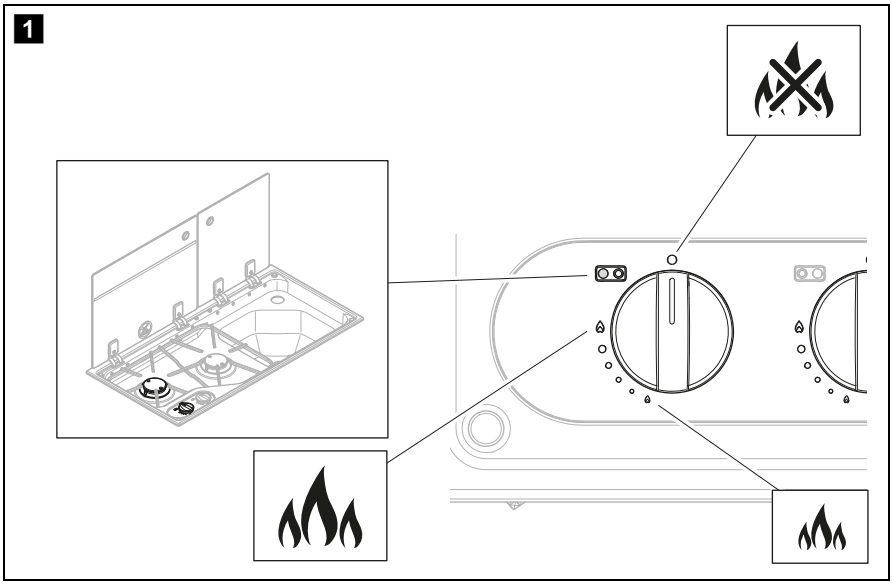
The gas cooktop combination is **not** suitable for:

- Use as a space heater
- Outdoor use
- Use on boats

5 Technical description

The gas cooktop combination consists of a cooktop with two burners and a sink.

5.1 Control panel



5.2 Function

The gas cooktop combination is equipped with a safety thermocouple that interrupts the gas supply after approx. 30 seconds if the flame goes out.



The device is also equipped with an automatic gas shut-off device, which immediately interrupts the gas supply when the glass lid is closed.

The device is equipped with soft-close hinges for the glass lid.

6 Using the device



CAUTION! Burn hazard

- Do not touch the hot parts of the device during and after use. Leave the device to cool down properly.
- Do not close the lid until the device has cooled down properly.
- If you leave the glass lid of the sink closed during cooking, maintain a minimum distance of 10 mm between the cookware and the glass lid of the sink.
- Do not use the sink during the cooking process. Allow the device to cool down properly before using the sink.
- Remove any plastic accessories from the sink before cooking.



CAUTION!
Do not shut the lid when a burner is alight.

6.1 Switching on



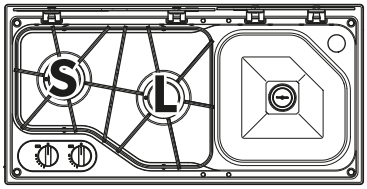
DANGER! Hazard of carbon monoxide poisoning

- Ensure that the area is sufficiently ventilated before switching on the device.
- During use, there must be ventilation openings with a cross-section of at least 150 cm^2 in the installation location.
- These ventilation openings can be closed when the device is not in use.



WARNING! Explosion hazard/Fire hazard
Use only gas of the permitted gas category (see chapter "Technical data" on page 163). Do not use any other fuels.

2

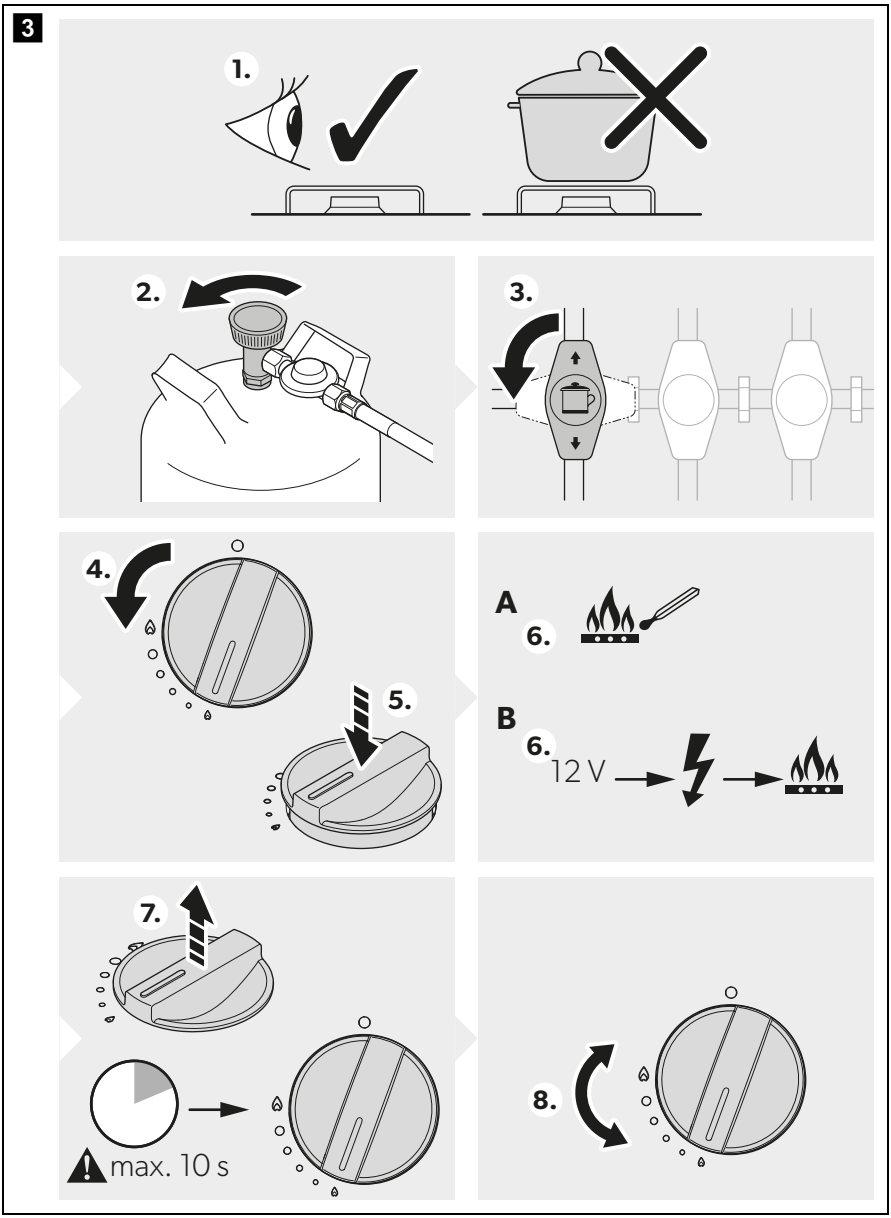


1. Choose suitable cookware for the selected burners according to the following table:

Burner (Fig. 2)	**Diameter of cookware**	
S	10 – 16 cm	
L	16 – 22 cm	

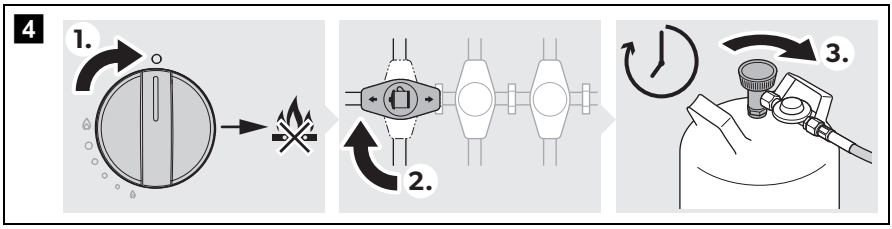
2. Switch on the cooktop as shown (Fig. **3**):
   - Manual ignition: fig. **3** **A**
   - Electric ignition: fig. **3** **B**

3



6.2 Switching off the device

➤ Switch off the cooktop as shown (Fig. **4**).



6.3 Replacing the gas container

WARNING! Explosion hazard
- Only replace the gas container in well-ventilated locations.
- Ensure that there is no source of ignition nearby.
- Only change the gas container when the device is not in use and the gas supply to the device is switched off.

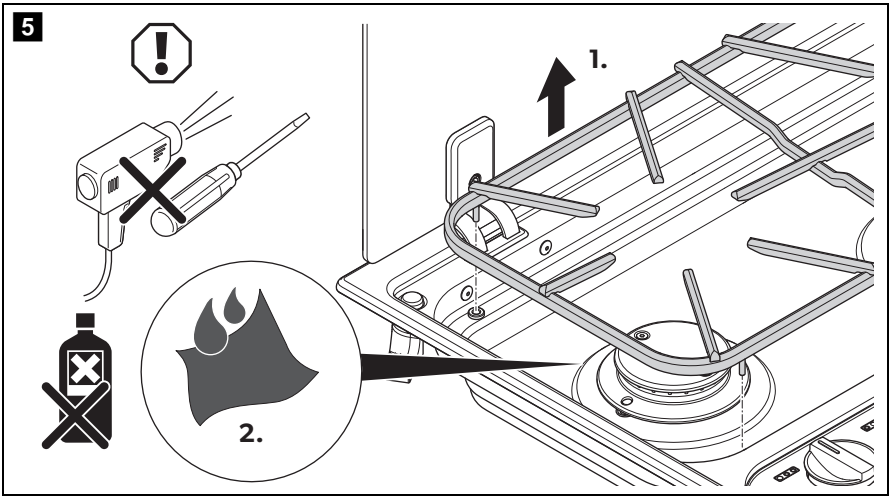
1. Switch the device off by turning the knob to the zero setting.
2. Close the valve on the gas container.
3. Replace the gas cylinder according to the instructions from the gas fitting manufacturer.

7 Cleaning and maintenance

CAUTION! Burn hazard
Leave the device to cool down adequately before cleaning, checking or performing maintenance.

7.1 Cleaning the device

1. Remove the pan support (fig. **5** **1**).
2. Clean the device with a soft, damp cloth (fig. **5** **2**)



Further care instructions for stainless steel and glass surfaces can be found online at
documents.dometic.com/?object_id=69917

7.2 Annual safety check

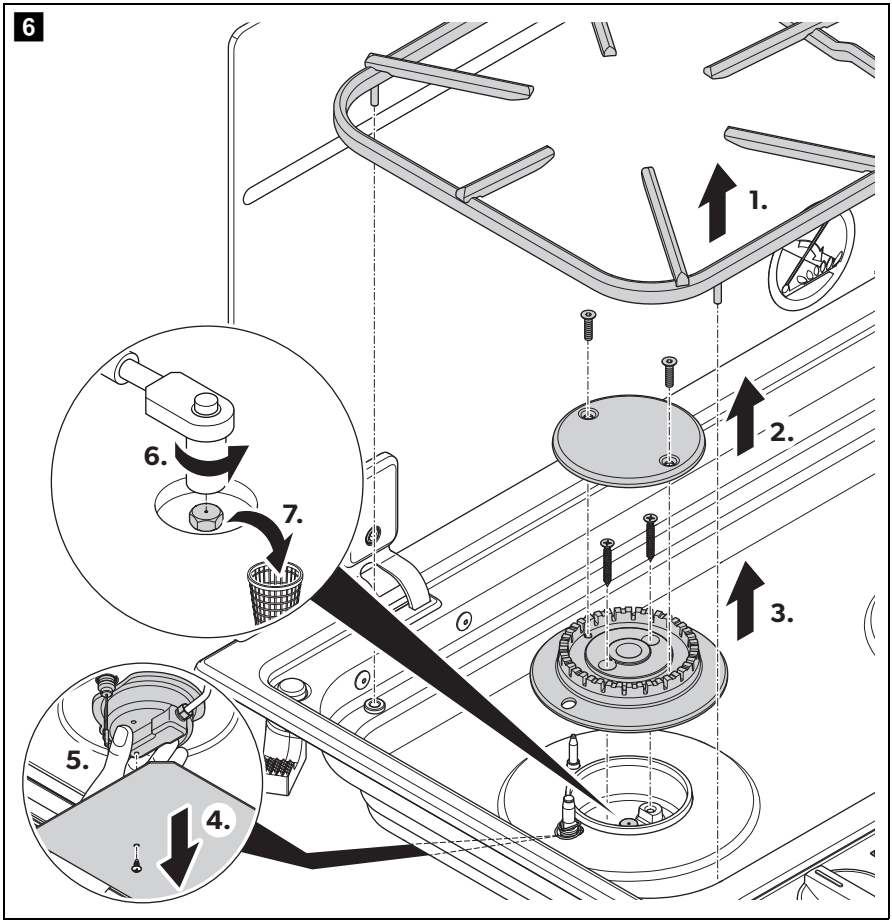
The assembly and installation of the gas connection must be performed by a qualified person who has demonstrated skill and knowledge related to the construction, installation and operation of gas appliances and has received safety training to identify and avoid the hazards involved.

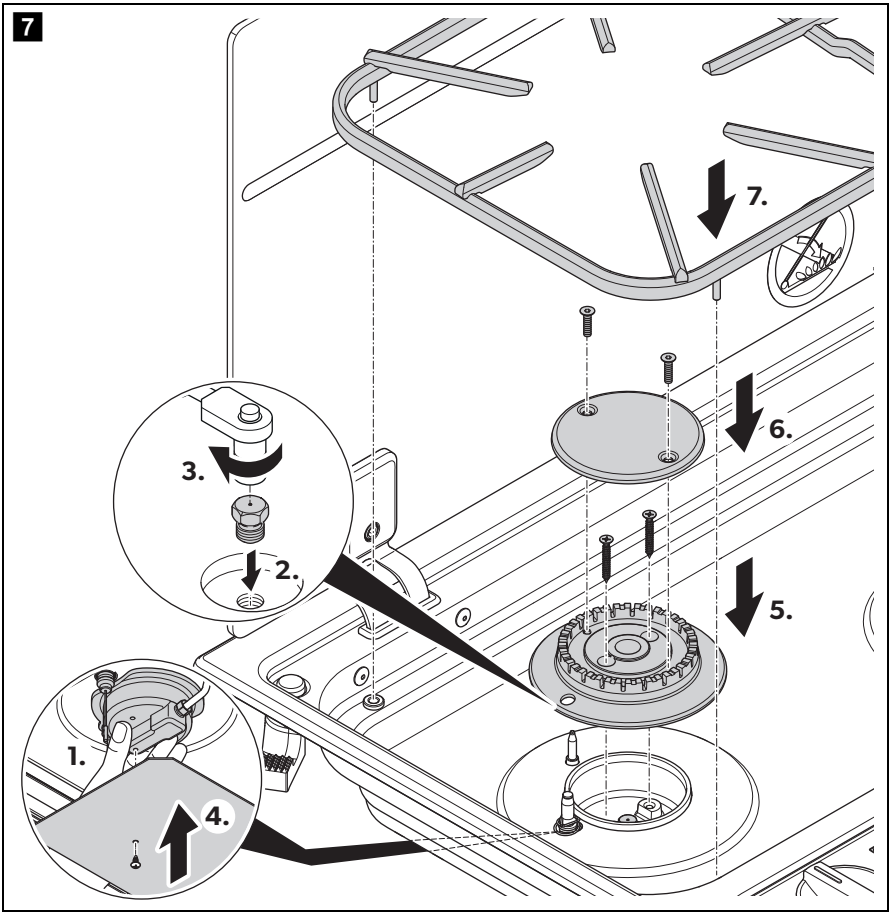
➤ For safety reasons, have the device checked by a qualified person every year for proper function. Any defects must be repaired.

7.3 Replacing the nozzles

The assembly and installation of the gas connection must be performed by a qualified person who has demonstrated skill and knowledge related to the construction, installation and operation of gas appliances and has received safety training to identify and avoid the hazards involved.

➤ Have the nozzles replaced by a qualified person as shown (Fig. 6 – Fig. 7).


6
1.
2.
3.
4.
5.
6.
7.


7
7.
6.
5.
3.
2.
1.
4.

8 Technical data

	Gas cooktop combination
Gas category	Propane (G31), butane (G30)
Appliance category	I_3 B/P(30)
Gas connection pressure	AT, DE, BG, CY, DK, EE, FI, GR, HU, IS, LT, LV, MT, NL, NO, RO, SE, SI, SK, AL, HR, MK, TR: 30 mbar propane (G31) 30 mbar butane (G30)
Appliance category	I_{3+}, propane/butane
Gas connection pressure	BE, CH, CY, CZ, ES, FR, GB, GR, IE, IT, LT, PL, PT, SI, SK, AL, MK, TR: 37 mbar propane (G31) 28 – 30 mbar butane (G30)
Connection voltage (models with electronic ignition only)	12 V⎓ (1 A fuse)
Inspection/certification	CE

See fig. **2**, page 157:

Burner S			**Burner L**		
Injector	**Power**	**Gas consumption**	**Injector**	**Power**	**Gas consumption**
0.54 mm	1.1 kW	80 g/h	0.73 mm	2.0 kW	146 g/h

DOMETIC

ENERGY & LIGHTING ACCESSORIES





Power supply unit

SMP 301-02

SMP 301-03

SMP 301-11

SMP 439-09

Safety Instructions

Observe the safety instructions and stipulations issued by the vehicle manufacturer and service workshops.

1 General Safety





DANGER! Failure to obey these warnings will result in death or serious injury.

- In the event of fire, use a fire extinguisher which is suitable for electrical devices.



WARNING! Failure to obey these warnings could result in death or serious injury!

Electrocution hazard

- Do not use the device if the device itself or its connection cables are visibly damaged.
- 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.

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.
- **Electronic devices are not toys!**
  Always keep and use the device out of the reach of young children.
- Children must be supervised to ensure that they do not play with the device.
- Cleaning and user maintenance shall not be performed by children without supervision.



NOTICE! Damage hazard

- Before first use, 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.

2 Operating the device safely



DANGER! Failure to obey these warnings will result in death or serious injury.

Electrocution hazard

- Do not touch exposed cables with your bare hands. This applies especially when operating the device from the AC mains.
- To be able to disconnect the device quickly from the mains, the socket must be close to the device and be easily accessible.



WARNING! Failure to obey these warnings could result in death or serious injury!

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.

Electrocution hazard

- Before using 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.

3 Safety precautions when handling vehicle batteries





DANGER! Failure to obey these warnings will result in death or serious injury.

Explosion hazard

- The battery may emit explosive gases during the charging process. Ensure that there are no sparks or flames in the vicinity of the battery. Ensure that the product is sufficiently ventilated.



WARNING! Failure to obey these warnings could result in death or serious injury!

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 the part of your body in question thoroughly with water.
  If you sustain any injuries from acids, contact a doctor immediately.
- Wear goggles and protective clothing when you work on batteries. Do not touch your eyes when you are working on the battery.
- When working on the batteries, do not wear any metal objects such as watches or rings.
- Lead acid batteries can cause short circuits which can cause serious injuries.

Explosion hazard

- Never attempt to charge a frozen or defective battery.
  Place frozen batteries in a frost-free area and wait until the battery has adjusted to the ambient temperature. Then start the charging process.
- Do not place the battery charger on the battery.
- Do not smoke, use open flames, or create sparks near the engine or battery.
- Do not charge batteries with a cell short circuit. The oxyhydrogen they produce can cause explosions.
- Do not charge nickel cadmium and non-rechargeable batteries with the battery charger. The cases of these batteries can burst explosively.



NOTICE! Damage hazard

- Ensure 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 you need to remove the battery, first disconnect the supply connection. Disconnect all connections and all consumers from the battery before removing it.
- Prevent any metal parts from falling on the battery. This can cause sparks or short-circuit the battery and other electrical parts.
- A charging voltage of up to 15 V is possible during the charging process. Ensure that there are no consumer units connected to the battery during the charging process. This is to prevent the consumer units connected from being damaged.
- The battery charger switches to preservation mode following the charging process. If the battery charger does not switch out of charge mode, disconnect the battery charger from the battery. Have the battery charger checked by a specialist electrician.
- Regularly check the battery for damage and for defects when it is in use. A defective battery is detected by the battery charger during the charging process.



Switch-mode power supply SMP 301-02, -03, -11

1 Scope of delivery

Designation
Switch-mode power supply
Operating manual

2 Accessories

Available as an accessory for the SMP 301-11 switch-mode power supply (not included in the scope of delivery):

Designation	Ref. no.
Surge protection device	9106505815

3 Intended use

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

The switch-mode power supply is approved for continuous operation.

SMP 301-02/-03: The switched-mode power supply is used as the voltage supply for the DC consumer units and can be supplied with AC or DC.

SMP 301-11: The switched-mode power supply is intended for installation in habitable recreational vehicles (motorhomes, caravans) and is used to supply power to underfloor heating in recreational vehicles.

4 Technical description

The switch-mode power supply can be connected to an external power supply.



SMP 301-03

The switch-mode power supply can be connected to a battery.

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

In mains operation, the switch-mode power supply supplies consumer units with a constant DC of 12.7 V. 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.

SMP 301-11

The switch-mode power supply converts a 230 V power supply to a stabilized output voltage. It provides a constant DC voltage of 24 V for DC consumer units.

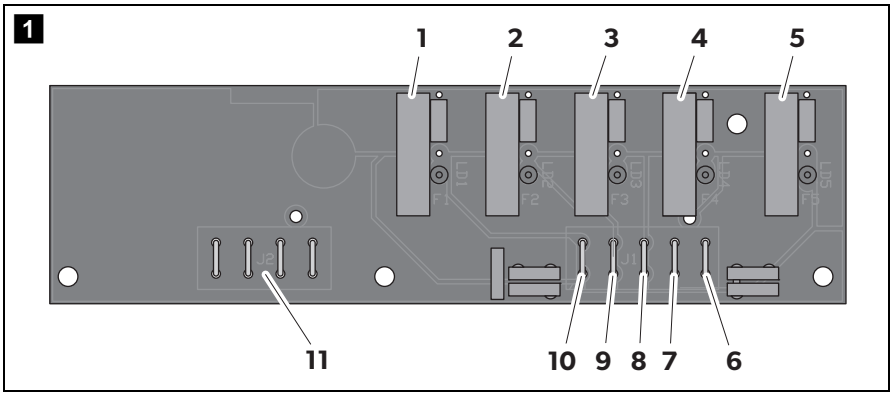
An AC voltage of 230 V is applied to the switch-mode power supply for power supply.

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)

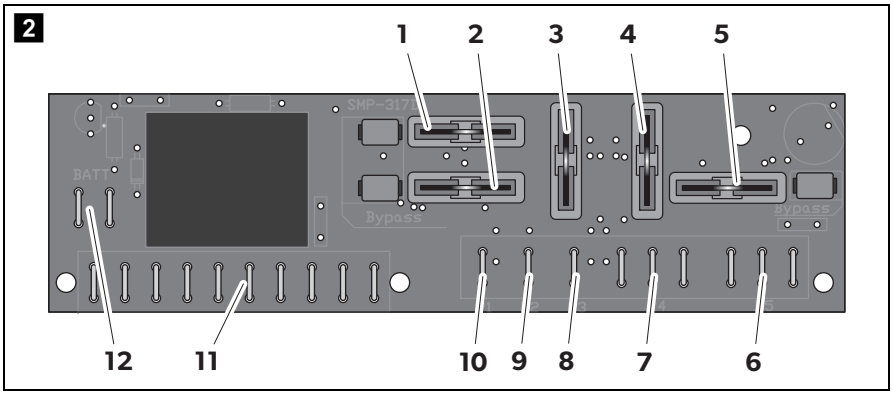
4.1 Connections and displays

SMP 301-02



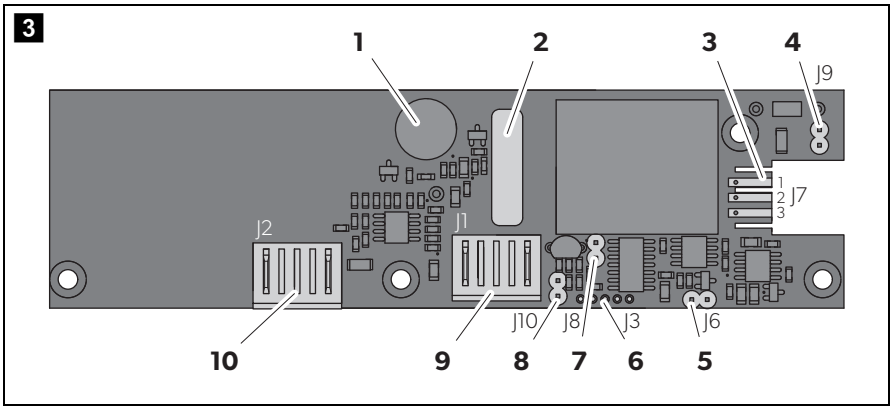
Item in fig. 1	Element
1	Plug-in fuse F1 for output group 1 (maximum 15 A)
2	Plug-in fuse F2 for output group 2 (maximum 15 A)
3	Plug-in fuse F3 for output group 3 (maximum 15 A)
4	Plug-in fuse F4 for output group 4 (maximum 15 A)
5	Plug-in fuse F5 for output group 5 (maximum 15 A)
6	Flat plug P5 6.3 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



Item in fig. 2	Element
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 terminal of the battery

SMP 301-11



Item in fig. 3	Element
1	LED – indicates defective fuse
2	Plug-in fuse for the 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)

5 Using the switch-mode power supply

SMP 301-02, SMP 301-03

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

Only replace a plug-in fuse that has blown (1–5 in fig. **1**, page 173 to fig. **2**, page 174) with a plug-in fuse of equivalent quality.

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

The switch-mode power supply switches on as soon as AC voltage is applied.

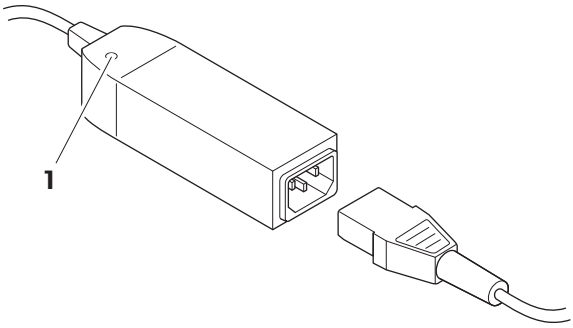
Only replace a plug-in fuse which has blown (fig. **3** 2, page 175) with a plug-in fuse of equivalent quality.

If the plug-in fuse is tripped again, contact the manufacturer's branch in your country (see dometic.com) or your retailer.

5.1 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.

4



1. Check whether the red LED (fig. **4** **1**) lights up.

✓ If the red LED lights up, an overvoltage has occurred.

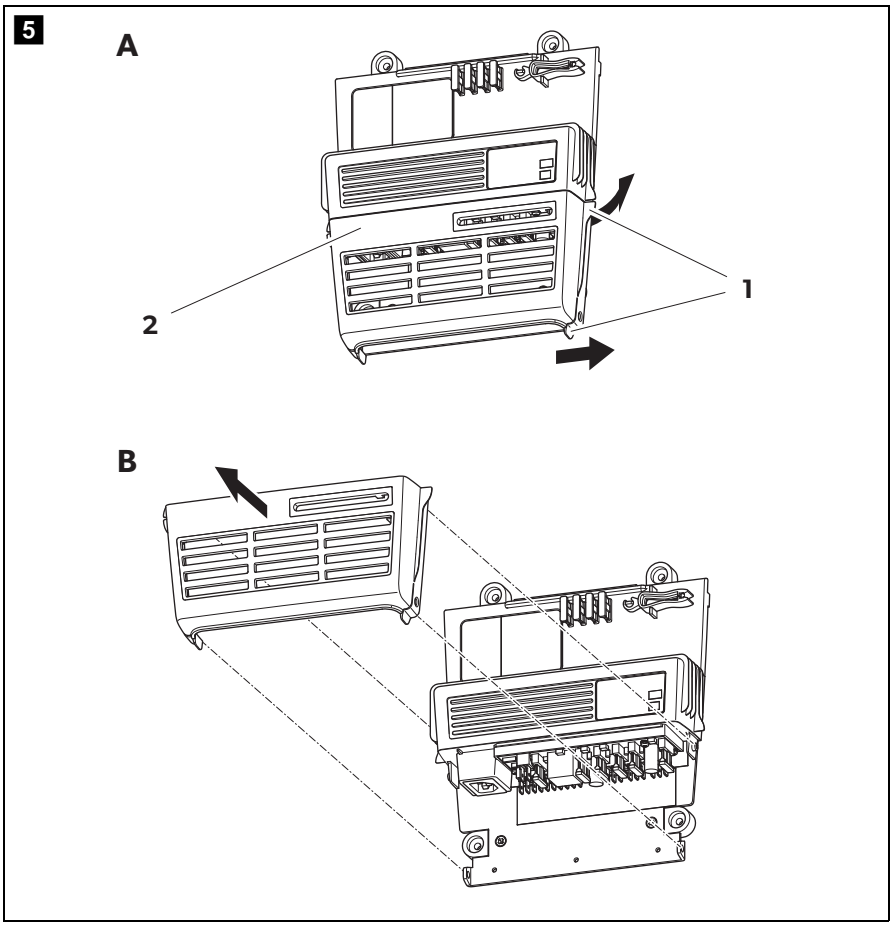
2. Wait 20 to 30 minutes.

✓ 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 to 30 minutes.

5.2 Replacing the plug-in fuses

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 place. Malfunctions may occur otherwise.

SMP 301-02, SMP 301-03

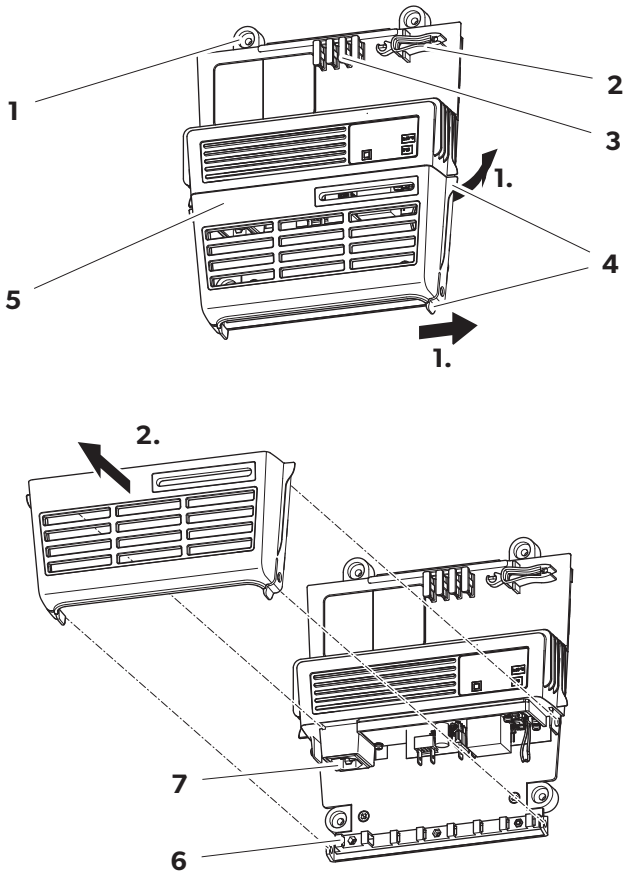


1. Disconnect all consumer units from the switch-mode power supply.
2. Disconnect the switch-mode power supply from the power supply.

3. Press the two tabs (fig. **5** **1**) in the direction indicated by the arrows and lift the cover off (fig. **5** **2**).
4. Only replace plug-in fuses that have blown with new plug-in fuses of the type "ATO Type – LITTLEFUSE" and the same rating.
5. Re-attach the cover to the switch-mode power supply.
6. Put the switch-mode power supply back into operation.
7. If the plug-in fuse is tripped again, contact the manufacturer's branch in your country (see dometic.com) or your retailer.

SMP 301-11

6



Use the fuse lifter (fig. **6** **2**, page 178) to remove and insert the plug-in fuses more easily.

1. Disconnect the switch-mode power supply from the power supply.
2. Press the two tabs (fig. **6** **4**, page 178) in the direction indicated by the arrows and lift the cover off (fig. **6** **5**, page 178).
3. Only replace plug-in fuses that have blown with new plug-in fuses of the type "ATO Type – LITTLEFUSE" and of the same rating.
4. Re-attach the cover to the switched-mode power supply.
5. Put the switch-mode power supply back into operation.
6. If the plug-in fuse is tripped again, contact the manufacturer's branch in your country (see dometic.com) or your retailer.

6 Maintaining and cleaning the switch-mode power supply

NOTICE!
Do not use any sharp or hard objects for cleaning since they may damage the device.

1. Disconnect the switch-mode power supply from the power supply.
2. Clean the switch-mode power supply using a cloth if necessary.

7 Troubleshooting

SMP 301-02, SMP 301-03

Fault	Possible cause	Suggested remedy
12V outputs are not supplied in mains operation.	The plug-in fuse of the associated 12 V output (e.g. fig. **1** **1**, page 173) 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.
	The switch-mode power supply has switched off as a result of the surge protection device. The red LED (fig. **3** **1**, page 175) 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.
12V outputs are not being supplied in battery operation.	The plug-in fuse of the associated 12 V output (e.g. fig. **1** **1**, page 173) 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.
	The battery has been connected incorrectly.	➤ Connect the battery correctly. Contact an electrician, if necessary.

SMP 301-11

Fault	Possible cause	Suggested remedy
Output is not supplied.	The plug-in fuse of the output is defective. The red LED (fig. **3** **1**, page 175) lights up.	➤ Replace the defective plug-in fuse with a plug-in fuse of equivalent quality.
	The switch-mode power supply has switched off as a result of the surge preotection device. The red LED (fig. **3** **1**, page 175) 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 operated via the CI bus and the output is deactivated.	➤ Switch on the switch-mode power supply via the connected operating unit or change the switching mode.
	The switch-mode power supply is operated via an external switching voltage and the output is deactivated.	

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.

8 Technical data



	SMP 301-02	SMP 301-03	SMP 301-11
Version	without relay	with relay; with external 12 V supply all outputs are live	without relay
Rated input voltage	230 V~ 12 V⎓		230 V~ (198 V~ to 264 V~)
Constant output power	350 W		350 W
Output voltage	12.7 V⎓		24 V⎓
Amperage	27 A		17 A
Ambient temperature	–10 °C to +40 °C		
Protection class	IP20		
Dimensions (L x W x H)	240 x 207 x 56 mm		
Weight	1 kg		
Inspection/ certification	CE		

Battery charger SMP 439-09

1 Scope of delivery

Designation
Battery charger
Operating manual



2 Intended use

The battery charger is used to charge 12 V batteries in vehicles with 6 cells and a capacity of 50 Ah to 250 Ah.

The battery charger is intended to charge the following types of batteries:

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

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

3 Technical description

The battery charger charges batteries that are used on board vehicles to generate power or supplies them with a retention voltage so that they do not discharge. It is automatically charging the batteries and maintaining them with float voltage after charging has finished. Therefore the battery charger can be plugged in during longer periods of time without damaging the batteries.

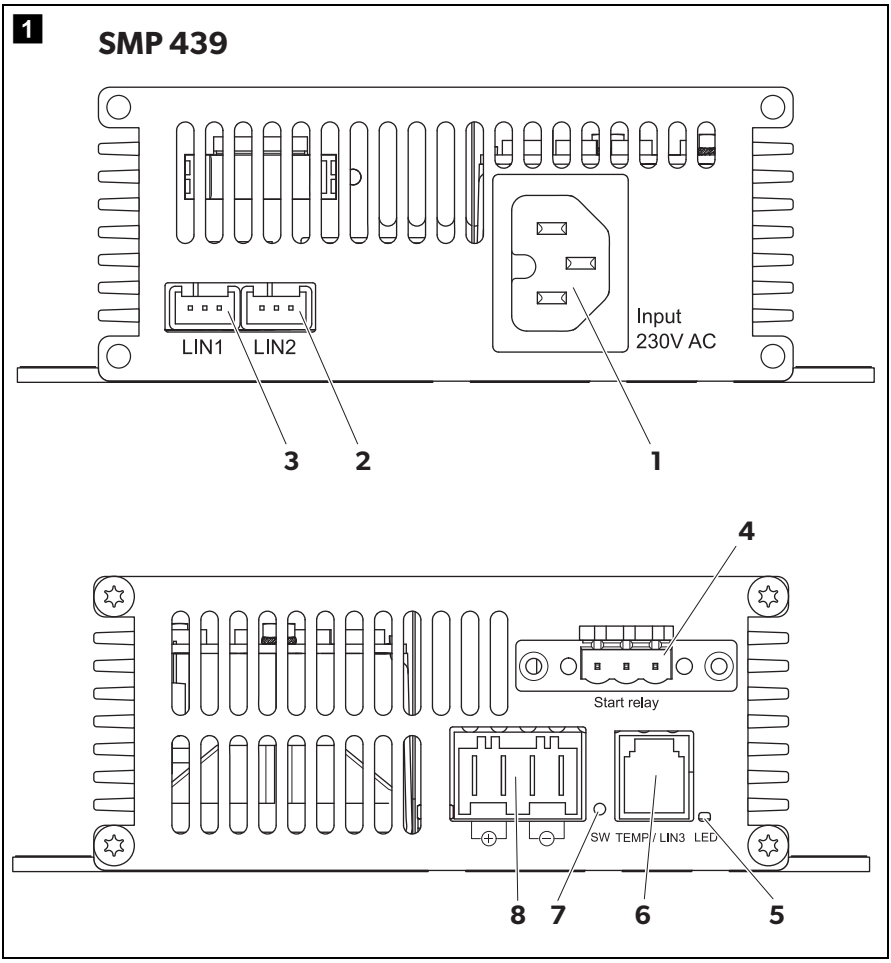
A control lamp on the device enables constant monitoring in the battery charger.

The device has the following protective mechanisms:

- Overvoltage protection
- Overheating protection
- Overload protection

The cooling system uses convection cooling to surrounding air.

3.1 Connections and control elements



Item in fig. 1	Explanation/function
1	Input for AC power supply
2	LIN2 connection socket
3	LIN1 connection socket
4	Start relay socket
5	Status LED

Item in fig. 1	Explanation/function
6	LIN bus connection socket / Temperature Sensor
7	Battery type selector button
8	Battery connector

3.2 Status LED

LED	Status	Meaning
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	Short circuit, reversed polarity or broken internal fuse
	Flashes quickly	Battery or battery charger is overheating
	Flashes slowly	Battery over-/undervoltage or overload

NOTE
In the event of a fault (the Status LED is red), refer to chapter "Trouble-shooting" on page 188.

4 Using the device

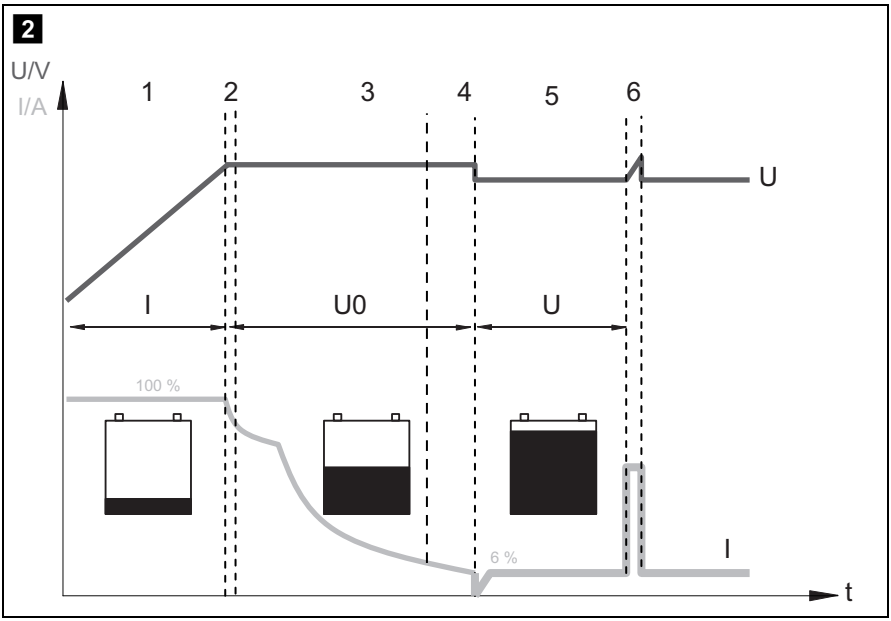
1. Switch off all electric consumers which are connected to the battery.
2. Connect the battery charger to the mains.

✓ Depending on the charging condition of the battery, the battery charger starts charging or supplies a retention voltage.

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.

4.1 Battery charging function

The charging characteristics are referred to as modified IU0U 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 "Output data" on page 190) (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 minutes and then switches to phase 5.

4.2 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. **1** **7**, page 184).

✓ 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 LiFePO4 battery (standard)
Bulk charge	14.4 V	14.7 V	13.8 V	14.4 V
Float voltage	13.8 V	13.6 V	13.8 V	13.8 V
LED blinking	1x green 1x red	2x green 1x red	3x green 1x red	4x green 1x red

5 Cleaning and maintenance

NOTICE! Damage hazard
Do not use any sharp or hard objects during cleaning as they may damage the device.



1. Disconnect the device from the voltage supply.
2. Disconnect the device from the battery.
3. Prevent the device from being switched on.

➤ Occasionally clean the device exterior with a damp cloth.

➤ Regularly clean the vents.

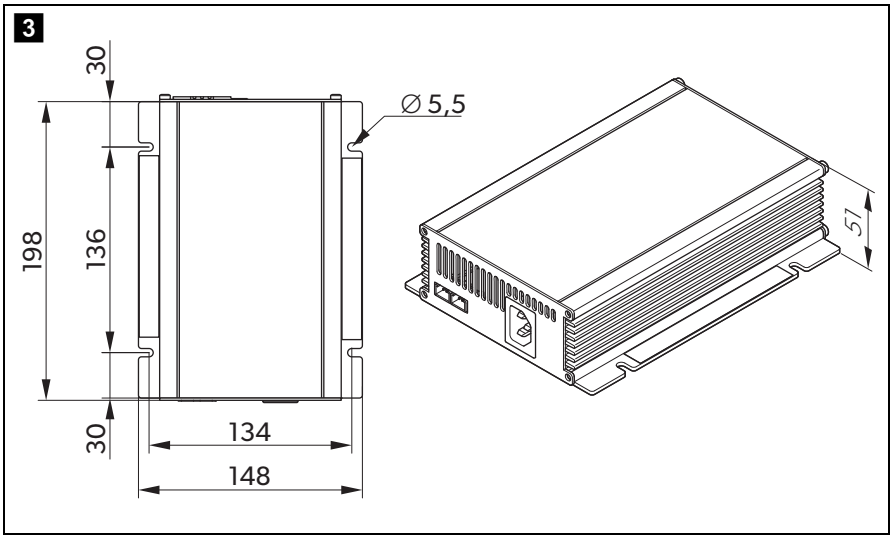
➤ Check the electrical cabling at least once a year.
Repair any defects such as loose connections or burnt cables.

6 Troubleshooting

Status LED	Cause	Remedy
Red, flashes slowly	Battery undervoltage or battery overload	➤ Check the battery. ➤ Switch the battery charger off and on again.
	Defective battery	➤ Replace the battery.
Red, flashes quickly	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, constantly lit	Short circuit, reversed polarity or broken internal fuse	➤ Connect the battery charger with the correct polarity. ➤ Remove the short circuit. ➤ Contact an authorized service agent for replacement of the internal fuse.

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

7 Technical data



7.1 General technical data

	SMP439-09
Heat dissipation	Convection cooling
Ambient temperature range	–20 °C to +50 °C
Relative humidity	20% to 90%
Temperature coefficient	± 0.03%/°C (0 °C to 50 °C)
Temperature compensation	–20 mV/0.5 °C
Vibration	10 to 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 MΩ/500 V⎓
Dimensions	see fig. 3, page 189

Weight	1.3 kg
Testing/certification	CE UK CA

7.2 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~

7.3 Output data

	Lead batteries	AGM batteries	Power supply	Super B LiFePO4 batteries
Charging voltage	14.4 V	14.7 V	13.8 V	14.4 V
Float voltage	13.8 V	13.6 V	13.8 V	13.8 V
Current	max. 25 A			
Charging current	0 – 25 A			
Rated power	360 W			

7.4 Protective mechanisms

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

DOMETIC

WINDOWS & DOORS
WINDOWS









Windows

C 8 hinged window

Cassette roller blind 3000

Mini Heki FL

Midi Heki FL / Skylight

Roller blind DB3 / Easy-adjust blind

C8 hinged window

1 Safety instructions

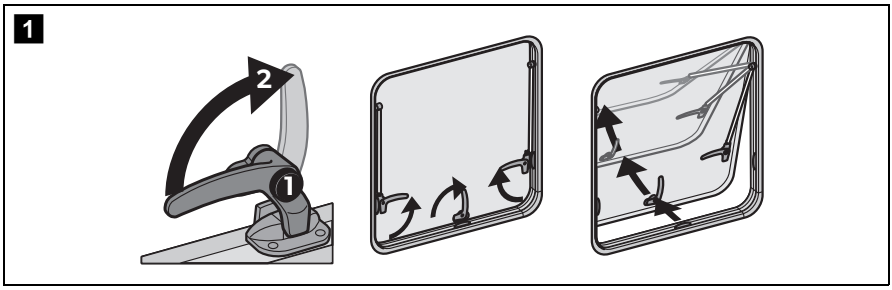
Note the following:

- In the event of faults or malfunctions, contact a specialist 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!
Keep the hinged window closed at all times while driving and while on public roads.

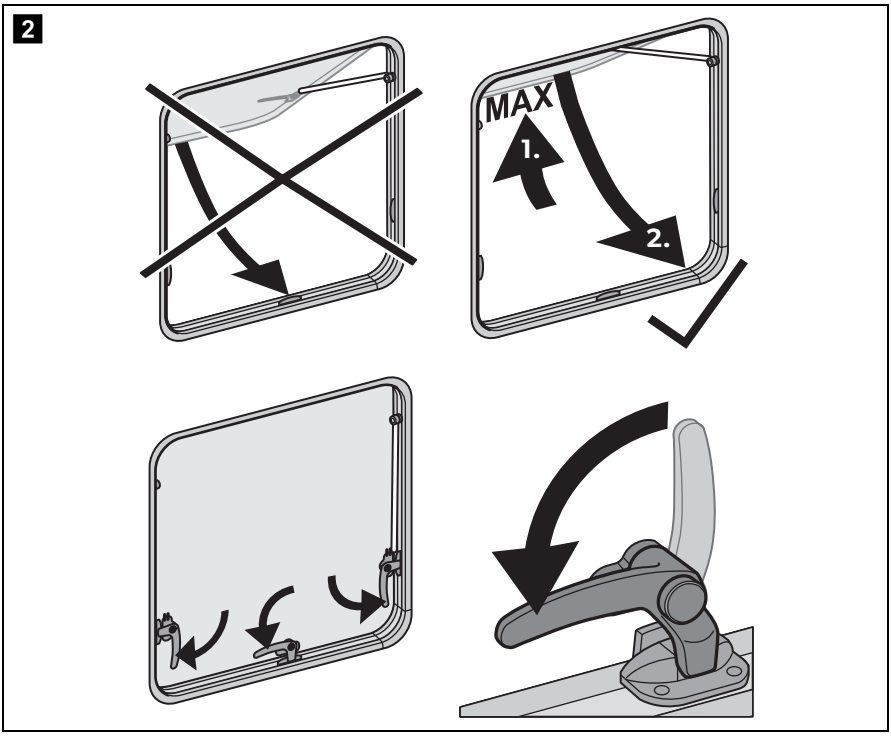
2 Using the hinged window

2.1 Opening the hinged window



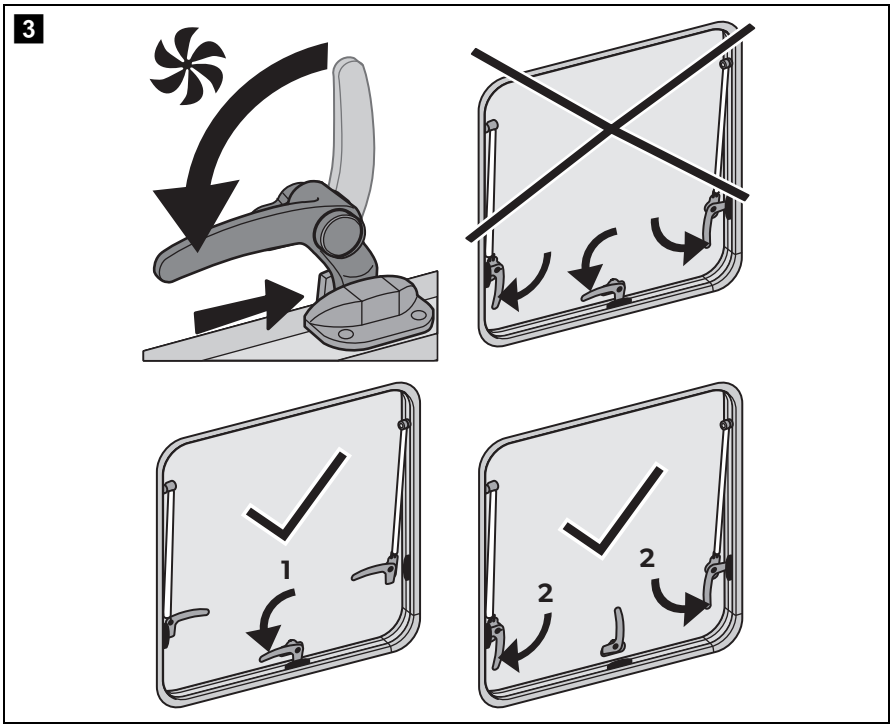
1. Press the locking button (1) and turn all latch handles (2) by 90°.
2. Tilt the window pane outwards to the desired rest position.

2.2 Closing the hinged window



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



CAUTION!
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.

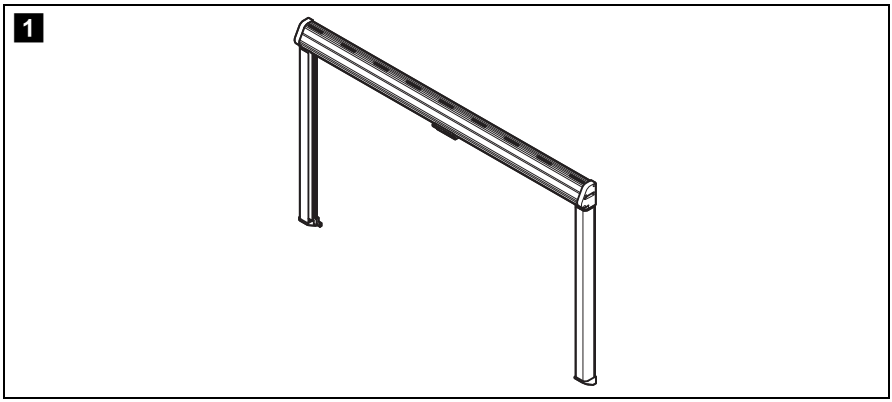
3 Maintaining and cleaning the hinged window

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 (e.g. acrylic glass polish, special polishing cloth, acrylic glass cleaner or cleaning kit, see dometic.com).



➤ Maintain the rubber seals with talcum powder.

Cassette roller blind 3000



1 Using the roller blind

1.1 Closing the roller blind

NOTICE! Damage hazard due to a build-up of heat between the roller blind and the window
Close the blackout blind only two-thirds when the sun is strong.

NOTE
To close the insect screen blind, pull the blind all the way down and hook it in at the bottom position. The blackout blind can also be locked in the intermediate positions.

1. Pull the handle of the insect screen down and hook the insect screen by pressing it lightly towards the wall.
2. Pull the handle of the blackout down and lock the into the required position by pressing it lightly towards the wall.

1.2 Opening the roller blind

➤ Pull the handle of the blind down a little and away from the wall, and then guide it slowly up.

2 Cleaning and maintenance

NOTICE! Damage hazard
Do not use sharp or hard objects or cleaning agents for cleaning as these may damage the product.

➤ 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.



Mini Heki FL roof light

1 Safety instructions

Observe the prescribed safety instructions and stipulations from the vehicle manufacturer and service workshops.

WARNING! Risk of injury and damage hazard
Do **not** exceed the maximum permitted driving speed of 160 km/h, as this may damage the roof light. Parts that come loose may injure persons in the vicinity.



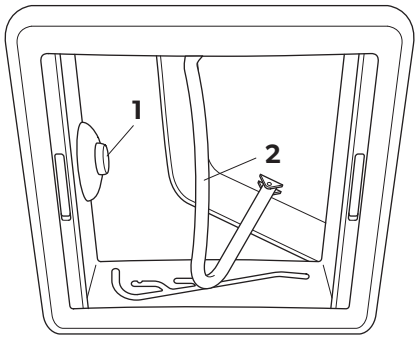
Note the following:

- In the event of faults or malfunctions, contact a specialist workshop immediately.
- **Risk of breakage!** Do not step on the roof light.
- Before starting your journey, check that the roof light is locked properly.
- Before starting your journey, check the roof light for damage (such as tension cracks in the acrylic glass).
- Do **not** open the roof light while driving.
- Do **not** open the roof light in 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.

2 Using the Mini Heki FL

2.1 Opening and closing the Mini Heki FL

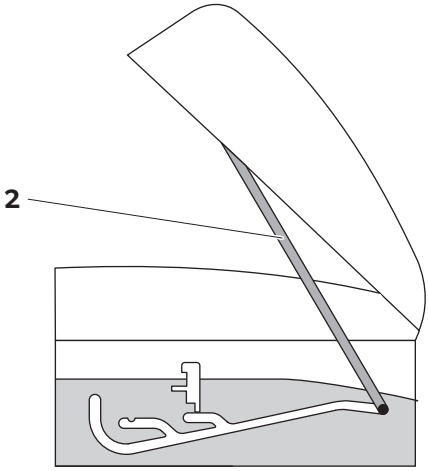
1



➤ Press the release button (**1**), and open the roof hood with the bracket at the same time (**2**).

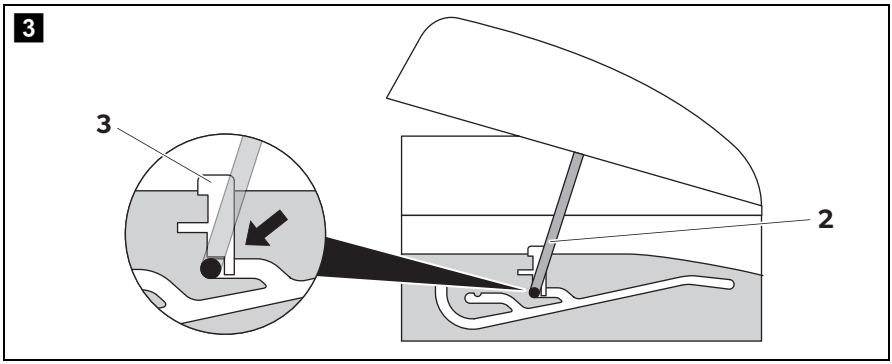
Opening the roof light completely

2



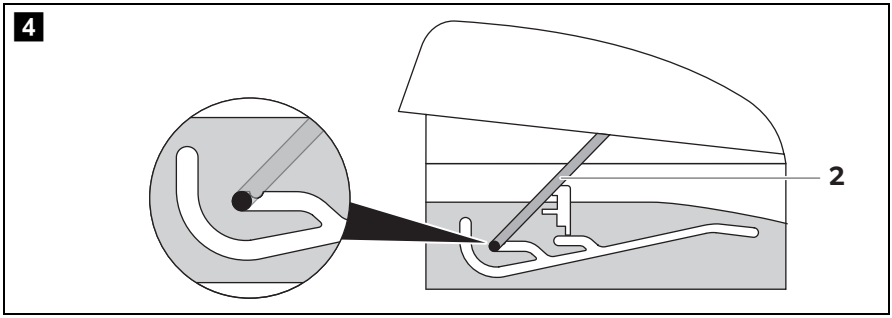
➤ Slide the bracket (**2**) into the position displayed in fig. **2**.

Opening the roof light to the half-way position



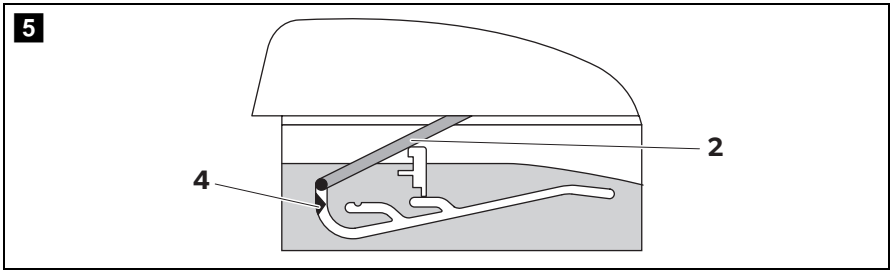
➤ Slide the bracket (**2**) into the position displayed in fig. **3**.
For locking, press down the sliders (**3**) on the left and right.

Opening the roof light to the ventilation position



➤ Slide the bracket (**2**) into the position displayed in fig. **4**.

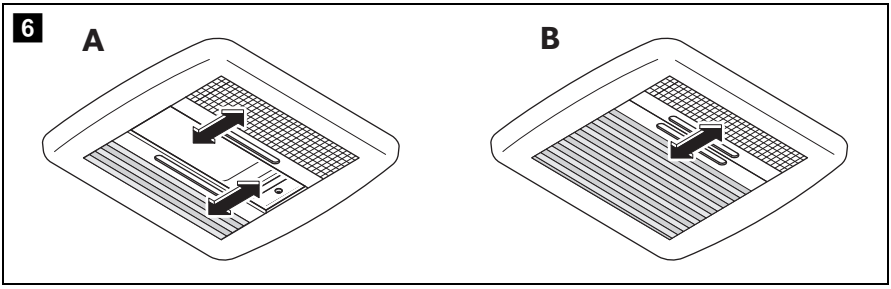
Closing the roof light



1. Slide the bracket (**2**) into the position displayed in fig. **5**.

2. Guide the bracket (**2**) with slight pressure to the left and right via the catches (**4**) so that the roof hood is locked and the bracket (**2**) is on the release button (fig. **1** **1**, page 200).

2.2 Opening and closing the roller blind



NOTICE! Damage hazard due to a build-up of heat between the roller blind and the window
In strong sunlight, only close the blackout blind two thirds of the way.

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

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

3 Troubleshooting

Fault	Possible cause	Suggestion
The roof light does not close completely.	Dirt between the glass and frame	➤ Clean the window. ➤ Remove any leaves and twigs between the glass and frame.
The insect screen or blackout roller blind cannot be moved.	Dirt on the side guides	➤ Clean the side guides.

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

4 Cleaning and maintenance

NOTICE! Damage hazard
Do not use sharp or hard objects for cleaning as these may damage the acrylic glass. Do not use cleaning agents containing alcohol.
Only use cleaning agents that are approved by the manufacturer (see dometic.com).

➤ Clean the roller blind with mild soap and plenty of water.



Roof light Midi Heki FL/ Skylight

1 Safety Instructions

Observe the prescribed safety instructions and stipulations from the vehicle manufacturer and service workshops.

WARNING! Failure to obey these warnings could result in death or serious injury.

Health hazard

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

CAUTION! Failure to obey these cautions could result in minor or moderate injury.

Health hazard

- Before starting your journey, check that the roof light is properly closed and locked.
- Before starting your 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

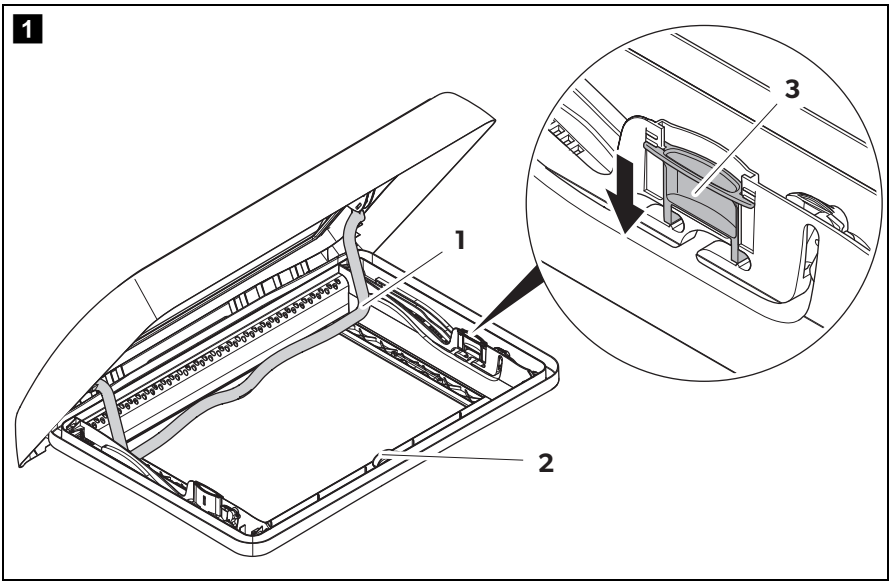
- Seek out a specialist workshop immediately if errors or malfunctions occur.
- Do not tread on the glass dome.
- Do **not** open the window during strong wind or rain.
- Close the roof light if it rains or snows.
- Do **not** leave the vehicle with the roof light open.
- Keep the roof light free of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

2 Using the roof light

2.1 Using the version with lever

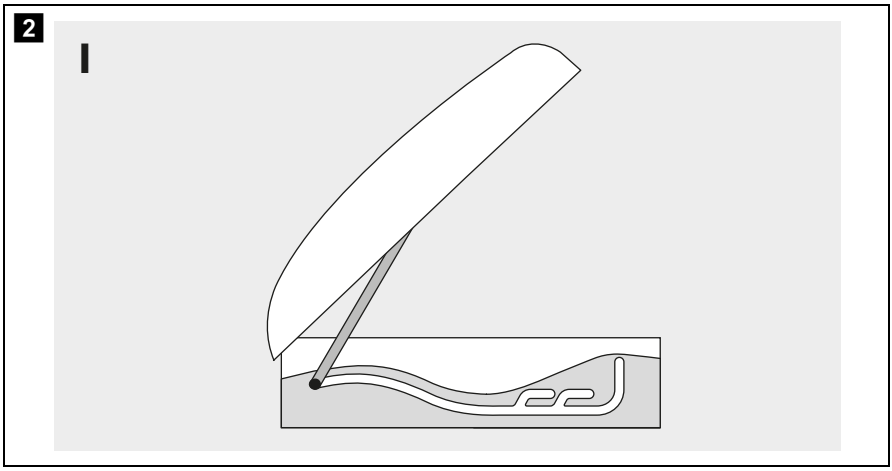
Opening and closing the Midi Heki FL (fig. 1)

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



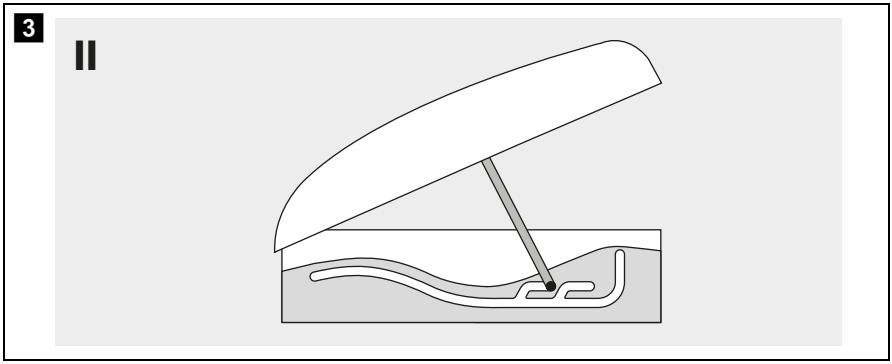
Opening the roof light completely (fig. 2)

➤ Slide the handle into the **I** position.



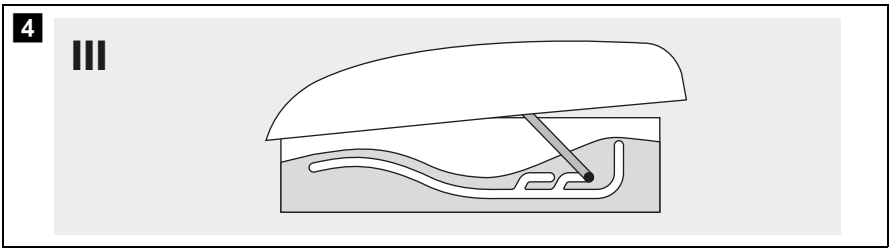
Opening the roof light to the half-way position (fig. 3)

➤ Slide the handle into the **II** position.



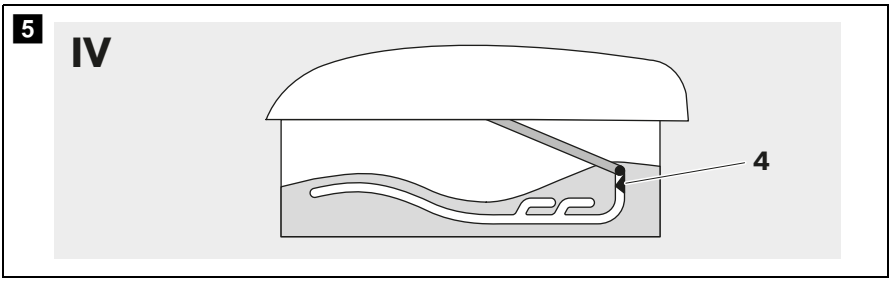
Opening the roof light to the continuous ventilation position (fig. 4)

➤ Slide the handle into the **III** position.



Closing the roof light (fig. 5)

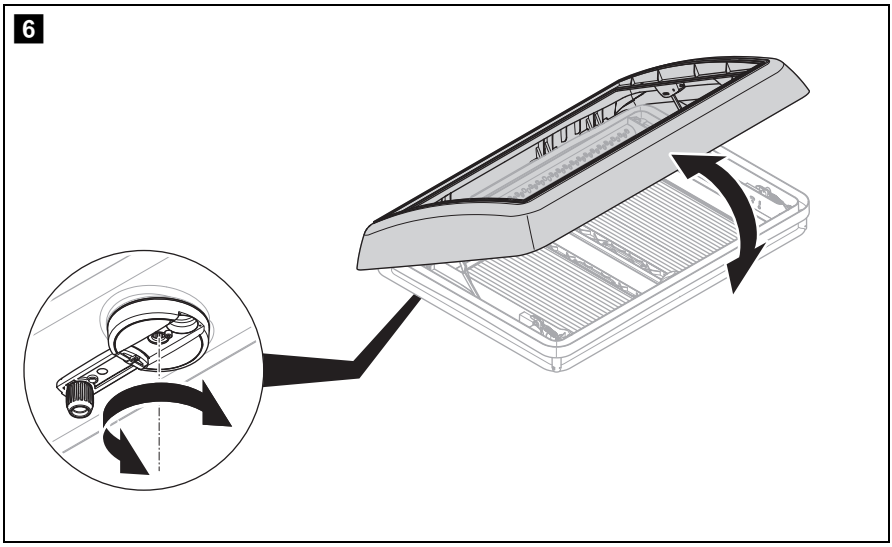
1. Slide the handle into the **IV** position.
2. Guide the handle with slight pressure to the left and right via the catches (**4**) so that the roof hood is locked and the handle is on the release button.



Locking the roof light in intermediate position or continuous ventilation

➤ Push the lock (fig. 1 **3**, page 206) left and then down and to the right.

2.2 Using the version with crank



Opening and closing the Midi Heki FL (fig. 6)

➤ **To open:** Turn the hand crank clockwise.

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

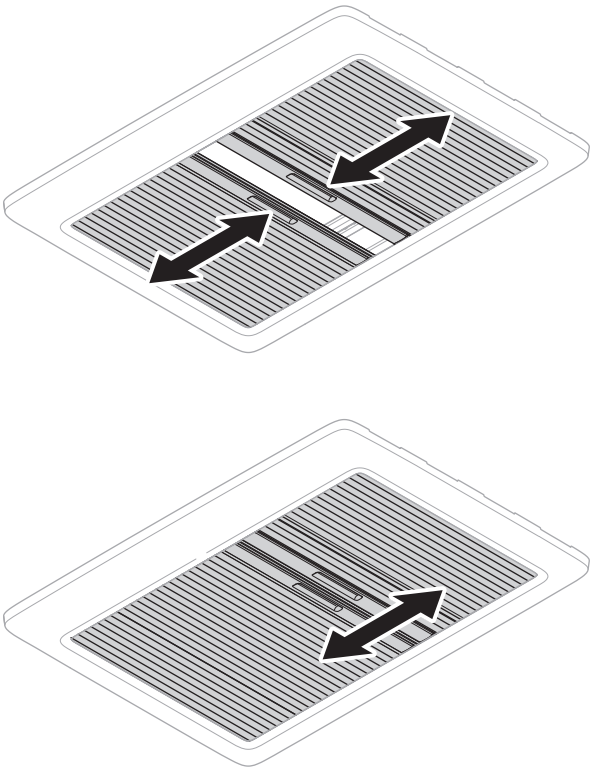
➤ **To close:** Turn the hand crank counterclockwise.

Turn the hand crank until you feel its resistance.

➤ Check whether the roof light is locked properly: Try to push the glass dome up by hand without using force.

3 Opening and closing the roller blinds

7



NOTICE! Damage hazard due to a build-up of heat between the roller blind and the window
In strong sunlight, only close the blackout roller blind two thirds of the way.

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 Troubleshooting

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

If you are unable to rectify the fault, get in touch with a specialist workshop.



5 Cleaning and maintenance



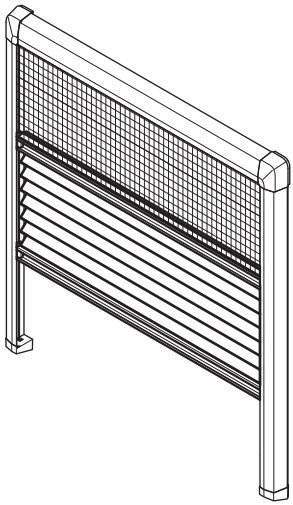
NOTICE! Damage hazard
Do not use sharp or hard objects for cleaning as these may damage the acrylic glass. In particular, do not use cleaning agents containing alcohol.
Only use cleaning agents that are approved by the manufacturer (see dometic.com).

➤ Clean the roller blind with mild soap and plenty of water.

Roller blind DB 3/easy-adjust blind

1 Using the DB3 roller blind

1



1.1 Closing the roller blind

NOTICE! Damage hazard due to a build-up of heat between the roller blind and the window
In strong sunlight, only close the blackout roller blind two thirds of the way.

➤ Pull the blackout roller blind and the insect screen by the handle strip to the desired position.

✓ When the tension has been set correctly the roller blinds stay in the closed position.

1.2 Opening the roller blind

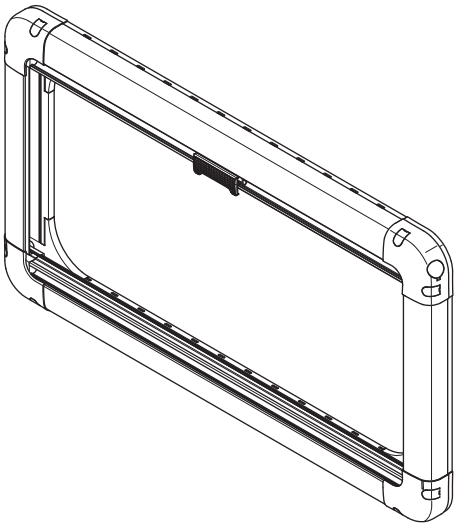
NOTICE! Damage hazard
Never let the blackout roller blind spring back.

➤ Pull the blackout roller blind and the insect screen by the handle strip to the desired, open position.

✓ The handle strips of the roller blinds hold firm in every position.

2 Using the easy-adjust blind

2



2.1 Closing the easy-adjust blind

NOTICE! Damage hazard due to a build-up of heat between the roller blind and the window
In strong sunlight, only close the blackout roller blind two thirds of the way.

The end rod of the blackout 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. Choose the desired position by moving both of the connected easy-adjust blinds at the same time.

2.2 Opening the easy-adjust blind

1. Move the easy-adjust blind so that the blackout blind is closed.
2. Separate the easy-adjust blinds by pressing the pivot on the fly screen.
3. Guide the fly screen back.
   Do not let the easy-adjust blind spring back.
4. Open the blackout blind.



3 Cleaning and maintenance

NOTICE! Damage hazard
Do not use sharp or hard objects or cleaning agents for cleaning as these may damage the product.

➤ Occasionally clean the product with a damp cloth.

➤ To ensure the rods slide easily on both sides in the guide rails, spray a small amount of silicon spray at regular intervals along the surface of the rails.

➤ To prevent material fatigue, do not keep the blind closed for an extended period of time.

➤ 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 (as a precaution against mold).

DOMETIC

SAFETY SOLUTIONS ACCESSORIES



Smoke alarm FA 25

Smoke alarm FA25

1 Safety Instructions

WARNING! Failure to obey these warnings could result in death or serious injury!

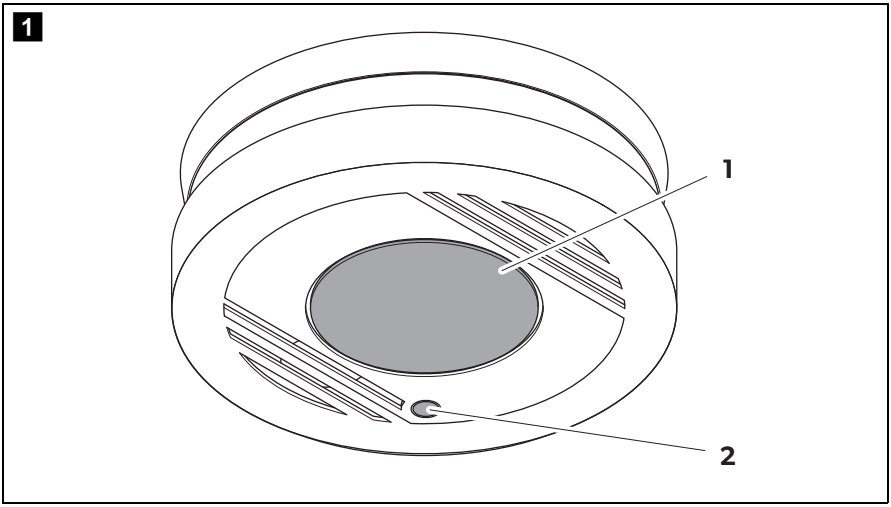
- The smoke alarm is designed to detect smoke at an early stage. A well-placed smoke alarm provides a timely warning of danger. The smoke alarm cannot prevent a fire.
- The smoke alarm is not effective in certain situations, e.g.
  - If you smoke in bed
  - If children are left unsupervised in living 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.

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.



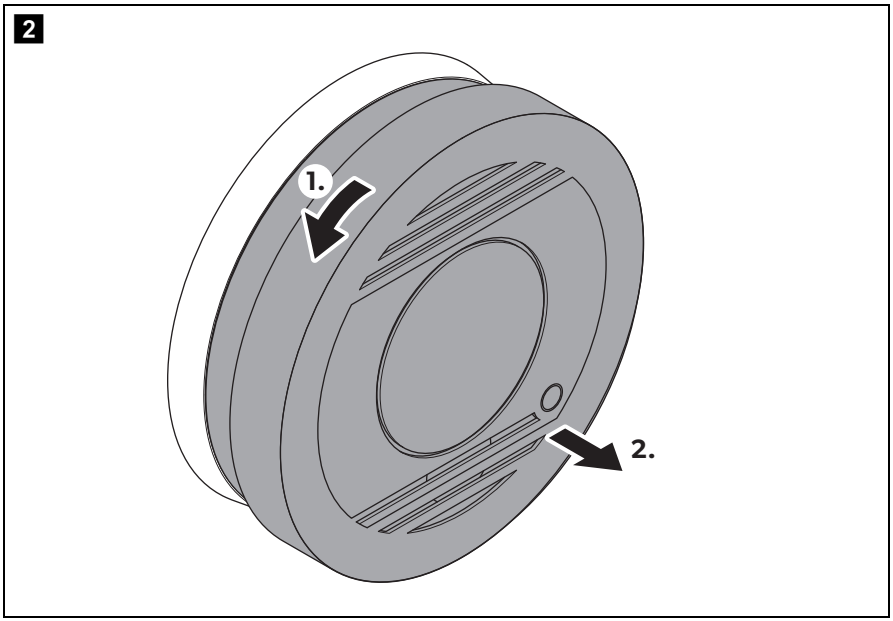
Item in fig. 1	Designation
1	**TEST/HUSH** button
2	LED

4 Using the smoke alarm

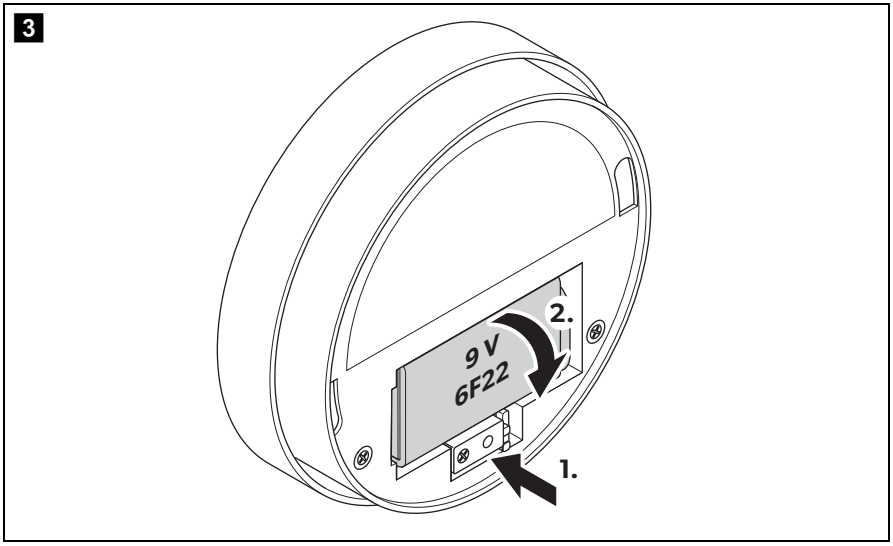
WARNING!
- Familiarize yourself with the sound of the smoke alarm.
- Keep the air vents free.
- Test the smoke alarm weekly (chapter "Testing the smoke alarm" on page 223).
- Replace the smoke alarm every 8 years.

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.

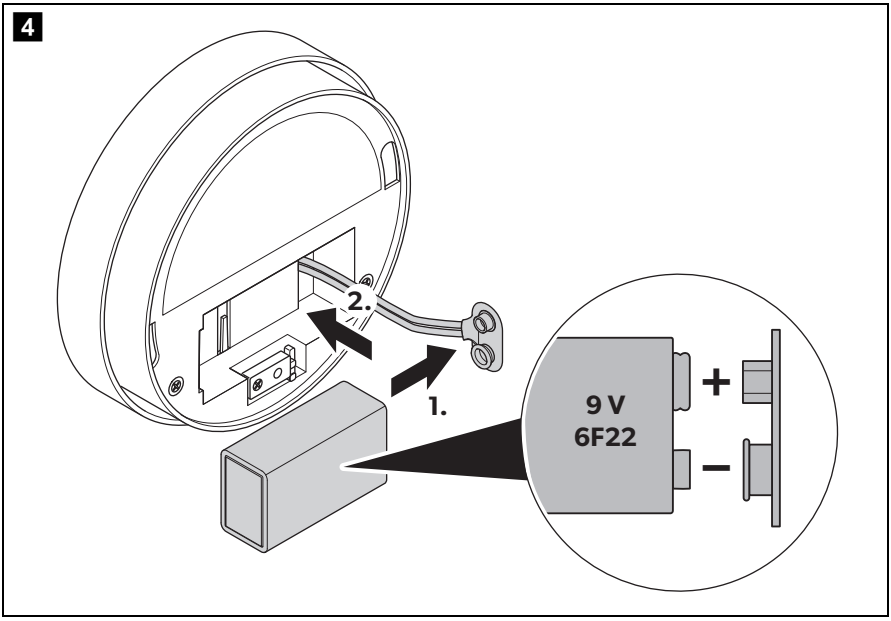
4.1 Replacing the battery



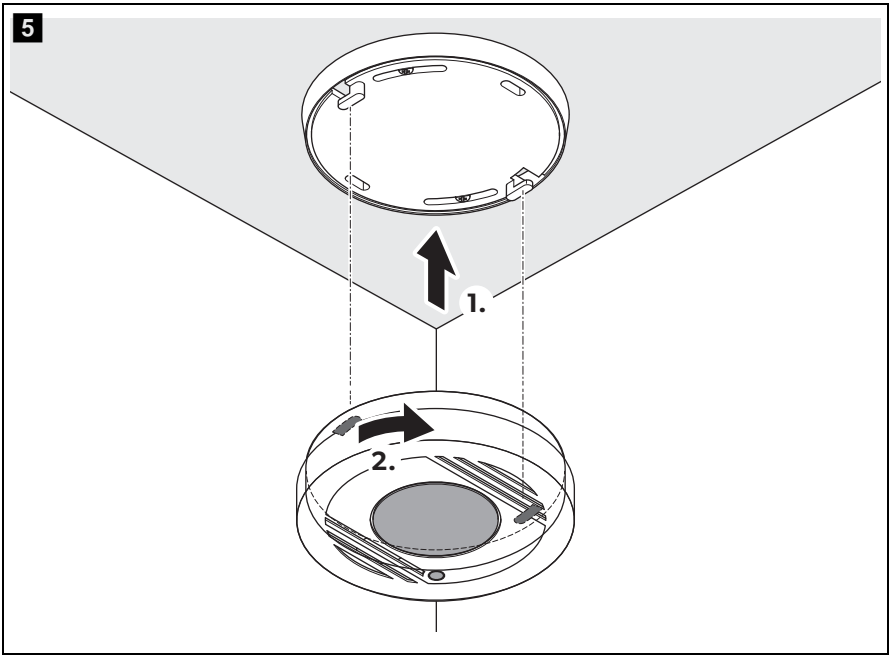
1. Loosen the smoke alarm from the base plate (fig. **2**).



2. Remove the old 9 V battery if necessary (fig. **3**).



3. Insert a new 9 V battery (fig. **4**).



4. Reattach the smoke alarm to the base plate (fig. **5**).
5. Perform a functional test (chapter "Testing the smoke alarm" on page 223).

4.2 Testing the smoke alarm

1. Press and hold the **TEST/HUSH** button (fig. **1** **1**, page 220).

✓ The alarm signal sounds.

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

✓ The alarm signal stops.

If no alarm signal sounds, proceed as follows:

1. Check the charging capacity of the battery.
2. Replace the battery if necessary (chapter "Replacing the battery" on page 221).

✓ If the alarm signal does not sound, the smoke alarm must be replaced.

5 Behavior in the event of an alarm

WARNING!
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 seconds.

2. Rectify the cause of the false alarm.

✓ After ten minutes 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 Disposal

Recycling products with batteries, rechargeable batteries, and light sources

➤ Remove any batteries, rechargeable batteries, and light sources before recycling the product.

➤ Return defective or used batteries to your retailer or dispose of them at collection points.

➤ Do not dispose of any batteries, rechargeable batteries, and light sources with general household waste.

➤ If you wish to finally dispose of the product, ask your local recycling center or specialist dealer for details about how to do this in accordance with the applicable disposal regulations.

➤ The product can be disposed free of charge.

8 Technical data

	FA25
Power supply	9 V⎓ (battery)
Dimensions	Ø 100 x 35 mm
Weight	120 g
Operating temperature	4 °C – 38 °C
Humidity during operation	25 – 85%
Smoke sensor	Photoelectric
Alarm volume	> 85 dB at 3 m
Testing/certification	CE UKCA



DOMETIC



dometic.com

YOUR LOCAL DEALER

dometic.com/dealer

YOUR LOCAL SUPPORT

dometic.com/contact

YOUR LOCAL SALES OFFICE

dometic.com/sales-offices

4445104384 2024-05-14

A complete list of Dometic companies, which comprise the Dometic Group, can be found in the public filings of:
DOMETIC GROUP AB Hemvärnsgatan 15 SE-17154 Solna Sweden