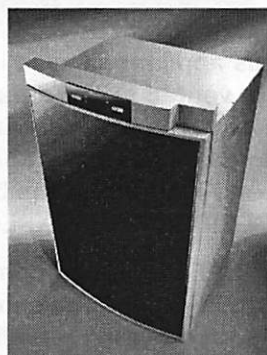




USA
SERVICE OFFICE
The Dometic Corp.
2320 Indust. Parkway
Elkhart, IN 46516
Phone: 574-294-2511

CANADA
Dometic Corp.
46 Zatonski, Unit 3
Brantford, ON N3T 5L8
Canada
Phone: 519-720-9578

**FOR SERVICE CENTER
ASSISTANCE**
CALL: 800-544-4881



**RECORD THIS INFORMATION FOR FUTURE REFERENCE
BEFORE INSTALLING THE UNIT:**

Model No. _____ Serial No. _____
Product No. _____
Date Purchased _____ Place of Purchase _____

REFRIGERATOR MODEL

RM 8501 - RM 8505 - RM 8551 - RM 8555

RML 8551 - RML 8555

**For Mobile Home or Recreational Vehicle
Installation**

Operation by LP Gas, 12V DC or 120V AC

FOR CHILD SAFETY

DANGER: Risk of child entrapment. Before you throw away your old refrigerator: Take off the doors, leave the shelves in place, so that children may not easily climb inside.

FOR YOUR SAFETY

If you smell gas:

1. Shut off gas supply at main valve.
2. Open windows.
3. Don't touch electrical switches.
4. Extinguish any open flame.
5. Immediately call your gas supplier.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WARNING

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

AVIS

Cet appareil doit être réparé seulement par un réparateur autorisé. Modification de l'appareil pourrait être extrêmement dangereuse, et pourrait causer mal ou mort.

OPERATING INSTRUCTIONS

Dometic Corporation
LaGrange, IN 46761
USA

FRANÇAIS PAGE 27

822 6101-13 09/2009

REFRIGERATOR MODEL

**RM 8501 - RM 8505
RM 8551 - RM 8555
RML 8551 - RML 8555**

**IMPORTANT INSTRUCTIONS
READ CAREFULLY**



WARNING!

**DO NOT USE A FLAME TO CHECK
FOR GAS LEAKS**



WARNING!

Most LP gas appliances used in recreational vehicles are vented to the outside of the vehicle. When parked close to a gasoline pump, it is possible that the gasoline fumes could enter this type of appliance and ignite from the burner flame, CAUSING A FIRE OR AN EXPLOSION.

FOR YOUR SAFETY, it is recommended that all LP gas appliances which are vented to the outside should be shut off when refueling.

The refrigerator must be shut off during refueling.

Keep these operating instructions in a safe place. If this device is passed on, please include these operating instructions with it.

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1.0 General

1.1 Introduction

You have made an excellent choice in selecting the **Dometic** Absorption Refrigerator. We are sure that you will be satisfied with your new refrigerator in all respects. The refrigerator, which works silently, meets high quality standards and guarantees the efficient utilisation of resources and energy throughout its entire life cycle, during manufacture, in use and when being disposed of.

1.2 Guide to these operating instructions

Before you start using the refrigerator, please read the operating instructions carefully.

These instructions provide you with the necessary guidance for the proper use of your refrigerator. **Observe in particular the safety instructions.** Observation of the instructions and handling recommendations is important for dealing with the refrigerator safely and for protecting you from injury and the refrigerator from damage. You must understand what you have read before you carry out a task.

Keep these instructions in a safe place close to the refrigerator so they may be referred to at any time.

1.3 Copyright protection

The information, texts and illustrations in these instructions are copyright protected and are subject to industrial property rights.

No part of these instructions may be reproduced, copied or utilised in any other way without written authorisation by Dometic GmbH, Siegen.

1.4 Explanation of symbols used in this manual

Warning notices

Warning notices are identified by symbols. A supplementary text gives you an explanation of the degree of danger.

Observe these warning notices rigorously. You will thus protect yourself and other people from injury, and the appliance from damage.

**DANGER!**

DANGER indicates an imminent hazardous situation which, if not avoided, could result in death or serious injury.

**WARNING!**

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**CAUTION!**

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION!

CAUTION (used without the safety alert symbol) indicates a potentially hazardous situation which, if not avoided, may result in damage to the appliance.

Information

INFORMATION gives you supplementary and useful guidance when dealing with your refrigerator.

Environmental Tips

ENVIRONMENTAL TIPS gives you useful guidance for saving energy and disposal of the appliance.

1.5 Warranty

Warranty arrangements are in accordance with the normal conditions applicable for the country concerned. For warranty or other maintenance, please contact our customer services department. Any damage due to improper use is not covered by the warranty. The warranty does not cover any modifications to the appliance or the use of **non-original Dometic** parts. The warranty does not apply if the installation and operating instructions are not adhered to and no liability shall be entertained.

1.6 Limitation of liability

All information and guidance in these operating instructions were prepared after taking into consideration the applicable standards and regulations as well as the current state of the art. **Dometic** reserves the right to make changes at any time which are deemed to be in the interest of improving the product and safety.

Dometic will assume no liability for damage in the case of :

- non-observation of the operating instructions
- application not in accordance with the regulations or provisions
- use of non-original spare parts
- improper modifications and interferences to the appliance
- effect of environmental influences, such as
 - temperature fluctuations
 - humidity

1.7 Customer services

Dometic offers a customer service network. Find your authorised customer service centre by calling the phone number indicated on the front page. You can also obtain the address information of the nearest customer service from **www.dometic.com**. When contacting Dometic Customer Services, please state the model, product number and serial number together with the MLC code, if applicable. You will find this information on the rating plate inside the refrigerator. We recommend that you note this data in the field provided on the front page of this operation manual.

1.8 Spare parts

Parts can be ordered from our customer services.

Always give the model and product number when you contact the customer service! You will find this information on the rating plate inside the refrigerator.

1.9 Environmental notices



Refrigerators manufactured by Dometic GmbH are free of CFC/HCFC and HFC. Ammonia (a natural compound of hydrogen and nitrogen) is used in the cooling unit as a coolant. Non-ozone-hazardous cyclopentane is used as a propellant for manufacturing PU foam insulation.

Disposal

In order to ensure that the recyclable packaging materials are re-used, they should be sent to the customary local collection system. The appliance should be transferred to a suitable waste disposal company that will ensure re-use of the recyclable components and proper disposal of the rest. For eco-friendly draining of the coolant from all absorber refrigeration units, a suitable disposal plant should be used.

Energy-saving tips

- At an average ambient temperature of 25°C, it is sufficient to operate the refrigerator at middle thermostat setting.
- Where possible, always store precooled products.
- Do not expose the refrigerator to direct sunlight.
- Ensure that air circulation of the cooling unit is not obstructed.
- Defrosting at regular intervals saves energy (see section 4.8 "Defrosting").
- Open the refrigerator door only for a short period of time when removing products.
- Run the refrigerator for about 12 hours before filling it.

2.0 Safety instructions

2.1 Application according to regulations

This refrigerator is designed for installation in recreation vehicles such as caravans or motorhomes. The appliance has been type-approval tested for this application in accordance with the EC Gas Directive.

The refrigerator is to be used solely for storing foodstuffs.

**WARNING!**

The refrigerator is not suitable for the proper storage of medication. Please observe in addition the instructions in the medication package inserts.

2.2 User's responsibility

Anyone operating the refrigerator must be familiar with the safe handling and understand the advice in these operating instructions. Children may only operate the appliance, if they have been made aware of how to operate the refrigerator safely and the dangers attending incorrect operation.

2.3 Protection of children when disposing of the equipment

**WARNING!**

When disposing of the refrigerator, detach all refrigerator doors and leave the storage racks in the refrigerator. In this way inadvertent entrapment and suffocation is prevented.

2.4 Working upon and checking the refrigerator

**WARNING!**

Work on gas equipment, exhaust system and electrical facilities must be carried out by authorised personnel only. Substantial damage to property and/or injury to persons can arise through unprofessional procedures.

**DANGER!**

Never use an unshielded flame to check gas bearing parts and pipes for leakage!

There is a danger of fire or explosion.

**WARNING!**

Never open the absorber cooling unit! It is under high pressure.

There is a danger of injury!

2.5 Information on coolant

Ammonia is used as a coolant.

This is a natural compound also used in household cleaning agents (1 litre of Salmiak cleaner contains up to 200g of ammonia - about twice as much as is used in the refrigerator). Sodium chromate is used for corrosion protection (1.8% by weight of the solvent).

In the event of leakage (easily identifiable from the strong odour), proceed as follows:

- Switch off the appliance.
- Air the room thoroughly.
- Inform authorised customer services.



For your safety it was ascertained in an expert's report that no impairment of health exists when the coolant is discharged.




2.6 Operating the refrigerator with gas

It is imperative that the operating pressure corresponds to the data specified on the rating plate of the appliance. Compare the operating pressure of the rating plate with the data specified on the pressure reducing valve of the liquid gas cylinder.



WARNING!

Operating the appliance with gas is not permitted

-  **at petrol stations**
-  **on ferry boats**
-  **while transporting the caravan/motor-home by a transporter or breakdown vehicle.**

There is the danger of fire!

Leave the equipment switched off.

2.7 Safety instructions when storing foodstuffs

Instructions for storing food in a refrigerator:

No refrigerator of any kind can improve the quality of the food; refrigerators can only maintain the food's quality for a short duration as from the time of storing it.

Please observe the following particular conditions for storing food in a refrigerator that is built into a vehicle:

- A change in the climatic conditions such as temperature fluctuations
- High temperatures inside the vehicle when it is closed and parked in direct sunlight (temperatures are possible up to 50°C)
- Use of the refrigerator during travel with the power supply of 12V DC
- A refrigerator built in behind a window and exposed to direct sunlight
- Storing the products too soon, i.e. shortly after starting up the appliance for use

Under these particular conditions the refrigerator cannot guarantee reaching the temperature needed for perishables.

Perishables include all products with a stipulated use-by date and a minimum storage temperature of +4°C or less, especially for meat, poultry, fish, sausages, pre-packed foods.

- Pack raw and cooked foods separately (e.g. in containers, aluminium foil, etc.).
- Only remove the outside packaging of single packs if all the necessary information, e.g. the use-by date, can also be read on the single packs.
- Do not leave cooled goods outside the refrigerator for too long.
- Place the foods with the next use-by date at the front, accordingly.
- Pack away any left-over food and eat at the first opportunity.
- Wash your hands before and after handling any food.

- Regularly clean the inside of the refrigerator.

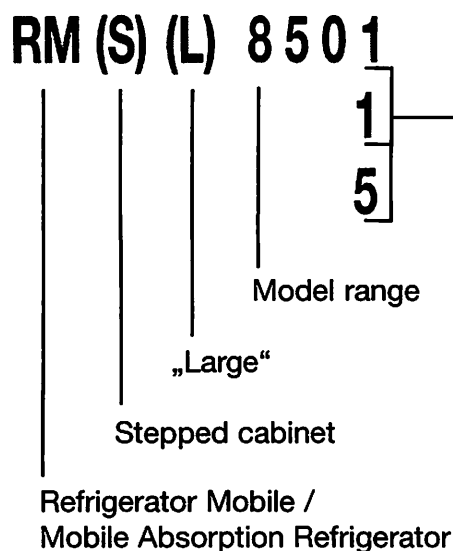
Please observe the instructions and information regarding the use-by date on the outside packaging of the food.

Please observe section *"4.1 Cleaning"* of this instruction.

3.0 Description of model

3.1 Model identification

Example :



1 = manual energy selection, automatic ignition (MES)

5 = automatic and manual energy selection, automatic ignition (AES)

3.2 Refrigerator rating plate

The rating plate is to be found on the inside of the refrigerator. It contains all important details of the refrigerator. You can read off from this the model identification, the product number and the serial number. You will need these details whenever you contact the customer service centre or when ordering spare parts.

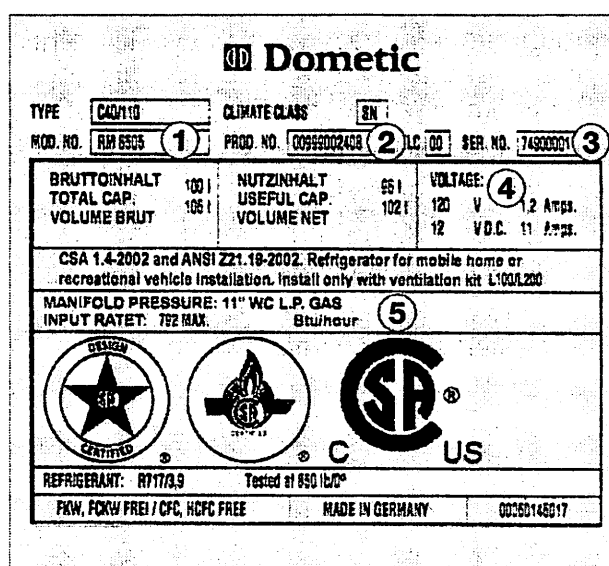


Fig. 1

- ① Model number
- ② Product number
- ③ Serial number
- ④ Electrical rating details
- ⑤ Gas pressure



Dometic refrigerators are equipped for a connection pressure of **30 mbar**. For connection to a 50 mbar gas system, use **Truma VDR 50/30** medium pressure controller.

3.3 Technical data

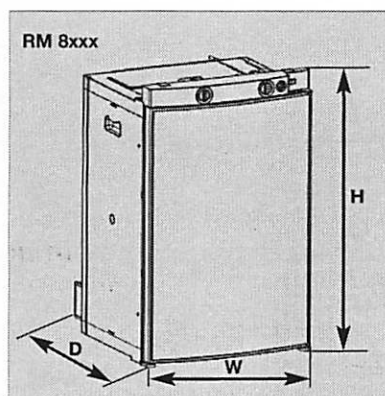


Fig. 2

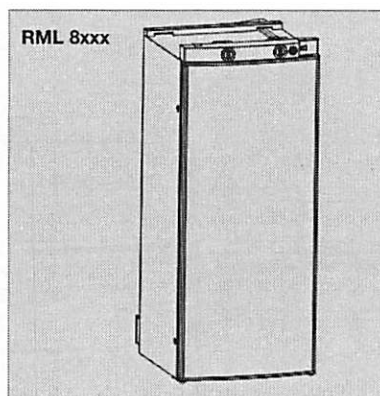


Fig. 3

Model	Dimensions H x W x D (mm) Depth incl. door	Gross capacity		Rating details mains/battery	Consumption * electricity/gas over 24hrs	Net weight	Ignition	
		with freezer compartment	without freezer compartment				Piezo	Automat
RM 8501	32.32x20.6x22.36	100 / 9 lit.	106 lit.	1135 W / 130 W	ca.2,4 KWh / 9.5 oz	28 kg		•
RM 8505	32.32x20.6x22.36	100 / 9 lit.	106 lit.	135 W / 130 W	ca.2,4 KWh / 9.5 oz	28 kg		•
RM 8551	32.32x20.6x24.52	115 / 12 lit.	122 lit.	135 W / 130 W	ca.2,6 KWh / 9.5 oz	30 kg		•
RM 8555	32.32x20.6x24.52	115 / 12 lit.	122 lit.	135 W / 130 W	ca.2,6 KWh / 9.5 oz	30 kg		•
RML 8551	49.0x20.67x24.6	179 / 33 lit.	189 lit.	190 W / 170 W	ca.3,2 KWh / 13.4 oz	45 kg		•
RML 8555	49.0x20.67x24.6	179 / 33 lit.	189 lit.	190 W / 170 W	ca.3,2 KWh / 13.4 oz	45 kg		•

Subject to technical changes.

*Average consumption measured at an average ambient temperature of 25°C in pursuance of ISO Standard.

3.4 Description of refrigerator

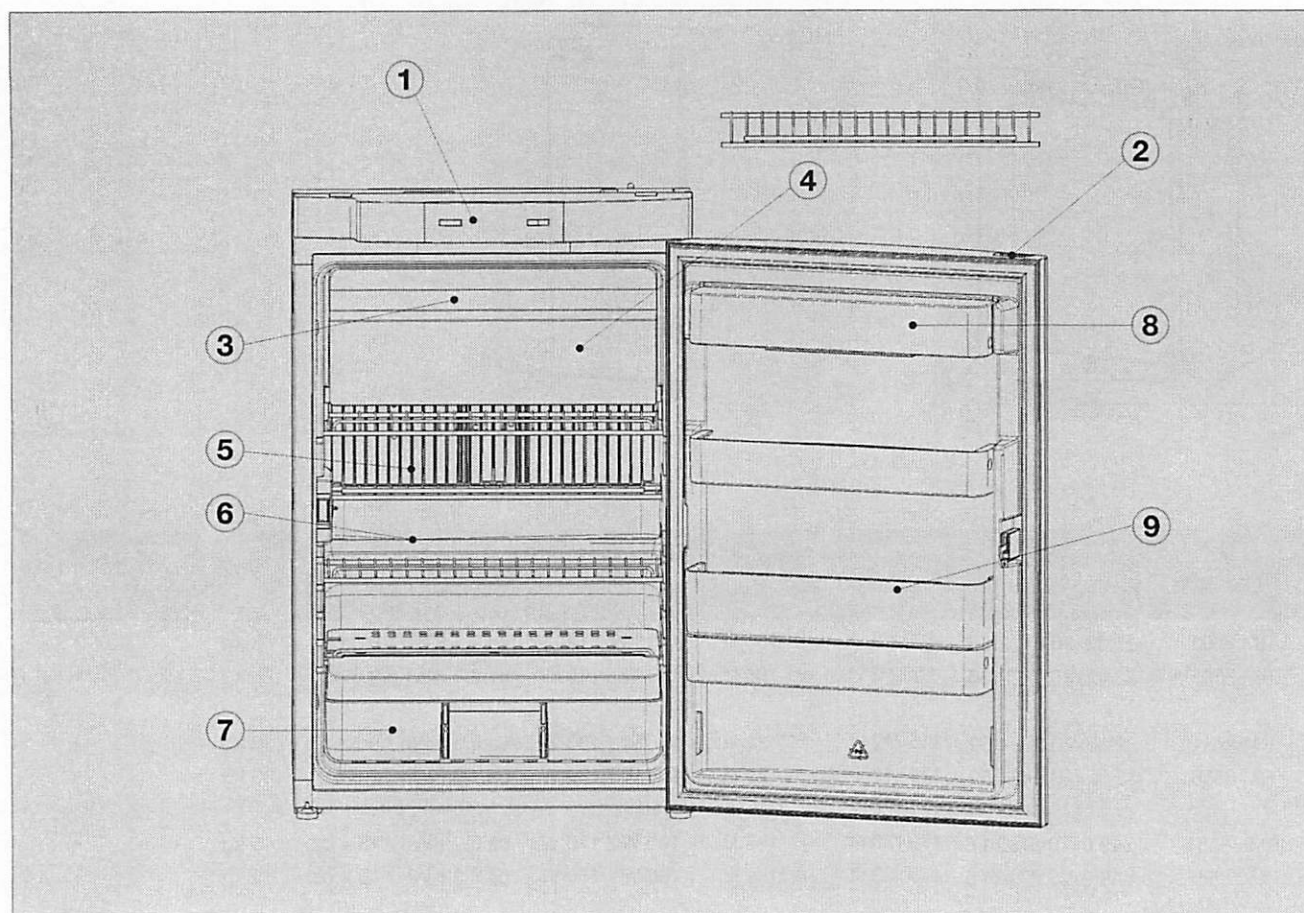


Fig. 4

- ① Operating controls
- ② Door locking button
- ③ Freezer compartment (removable)
- ④ Insertable grid shelf (available as option, to be used when freezer compartment is removed)
- ⑤ Post-evaporator for cooling compartment
- ⑥ Condensation water drain channel
- ⑦ Vegetable bin
- ⑧ Upper door shelf with flap, egg shelf available as option may be inserted
- ⑨ Lower door shelf with bottle holders

4.0 Refrigerator operation



The refrigerator is equipped to operate on three power modes:

- **Mains voltage (120V AC)**
- **Direct-current voltage (12V DC)**
- **Gas (liquid gas propane/butane)**

Select the desired power mode by the **energy selector switch** (battery igniter type models) or the **MODE button** (MES, AES). Appliances with automatic energy selection (AES) are additionally provided with "automatic mode" function. The AES system automatically selects the best energy source for each particular situation.

4.1 Cleaning

Before starting up the refrigerator, it is recommended that you clean it inside and repeat this at regular intervals.

Use a soft cloth and lukewarm water with a mild detergent. Then wipe out the appliance with clean water and dry thoroughly.

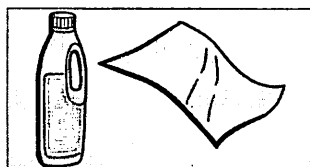


Fig. 5

To avoid material alterations, do not use soap or hard, abrasive or soda-based cleaning agents. Do not allow the door seal to come into contact with oil or grease.

4.2 Maintenance

- It is recommended that the gas burner be inspected and cleaned as necessary at least once a year. When using liquefied petroleum gas (tank or refill cylinders) the maintenance interval is reduced. Keep the evidence of maintenance work carried out on your refrigerator.
- **Work on gas and electrical equipment shall be carried out by qualified personnel only. It is recommended to have it done by an authorised customer services department.**
- **The gas burner must be inspected and cleaned as necessary at least once a year. When using liquefied petroleum gas (tank or refill cylinders) the maintenance interval is reduced to half-yearly or quarterly.**

Keep the evidence of maintenance work carried out on your refrigerator.

We recommend maintenance following an extended shutdown of the vehicle. Please contact our customer services.

NOTE: Avoid spraying water through the vent grilles when washing the RV.

It is important to keep the refrigerator vent area free from combustible material, gasoline and other flammable vapors or liquids.

- Check all connections in the LP gas system (at the back of the refrigerator) for gas leaks. The LP gas supply must be turned on. Apply a noncorrosive bubble solution to all LP gas connections. The appearance of bubbles indicates a leak and should be repaired immediately by a qualified serviceman who is familiar with LP gas systems and refrigerators.

4.3 Explanation of operating controls

Manual energy selection / automatic ignition (RM / RML 8xx1) MES:

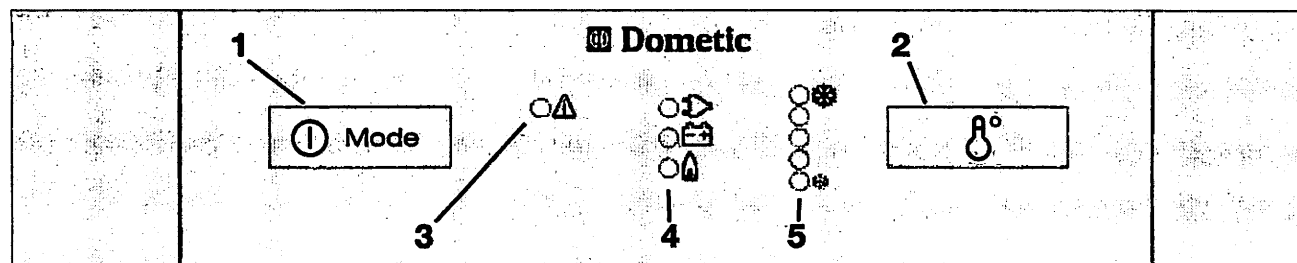


Fig. 6

Automatic energy selection / automatic ignition (RM / RML 8xx5) AES:

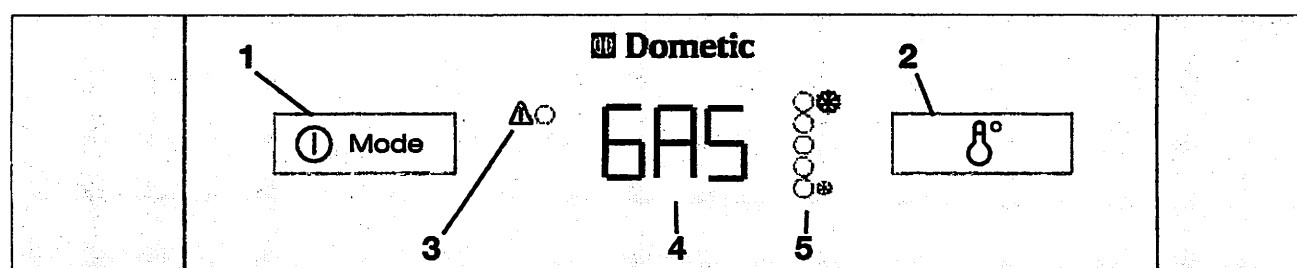


Fig. 7

1 = Power on switch / Energy selector switch (**MODE**)

2 = Temperature selection

3 = Indicator LED failure

4 = Indicator-LED / operating mode display

5 = Temperature level display

Explanations:

The refrigerator is equipped to operate on mains power, 12V DC or liquid gas. Select the desired power supply by turning the energy selector button "1". The energy selector button "1" has four settings:

- **Off**
- **Mains voltage (120V AC)**
- **Direct-current voltage (Batterie, 12V DC)**
- **Gas (liquid gas propane/butane)**

Switch the refrigerator **ON** or **OFF** by pressing button "1" for **3 seconds**.

Button "1" allows you to either initiate the requested energy supply or activate dimming of the LED brightness. By pushing once, the indicators illuminate for 10 seconds.

4.3.1 Electrical operation

MES Appliances (manual energy selection)

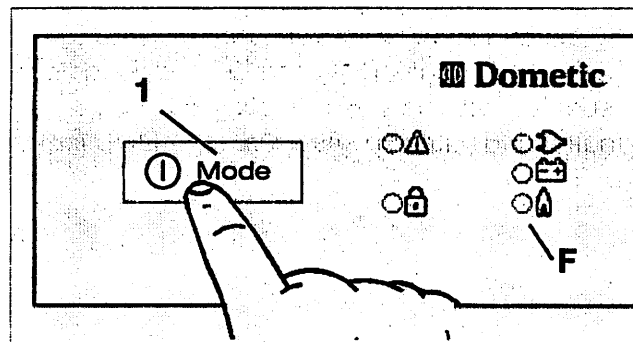
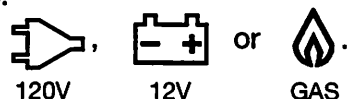


Fig. 8

To start the refrigerator, press button "1" for **3 seconds**.

The **LED** of the previously selected operating mode illuminates:



Change the operating mode by pressing button "1" again. The appropriate indicator LED will illuminate.

AES Appliances (automatic energy selection)

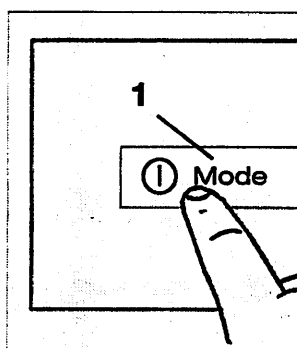


Fig. 9

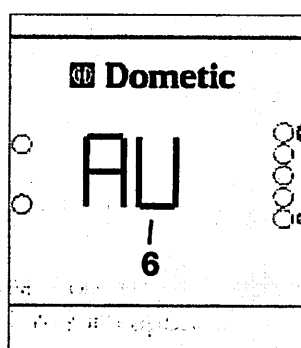


Fig. 10

To start the refrigerator, press button "1" for **3 seconds**.

The previously selected operating mode is displayed, e.g. **120** which means 120V.

By pressing button "1" again, you may change the operating modes to:

- **AU** (automatic energy selection)
- **120V, 12V, GAS** (manual energy selection)

Upon switching on, the electronics **automatically** selects one of the three possible energy types: **120V - 12V - liquid gas**. The control electronics automatically ensures that the refrigerator is supplied with the optimum source of energy in each respective case.

- Sequence of priority:**
- 1.) **Solar (12V -)**
 - 2.) **120V ~**
 - 3.) **12V -**
 - 4.) **Liquid gas**



If sufficient mains voltage is available (more than 60 V), this power source is selected as prime option. If a solar system capable of powering the refrigerator is installed, the solar 12V supply takes priority.

The 12V operation is otherwise only effective while the engine is running. The appliance electronic system features a low-voltage mechanism. Once the voltage drops below 10.5V, the appliance shuts down (manual mode) or switches over to a different energy source (AU mode).

4.3.2 Gas operation (Liquid gas)

- The refrigerator must be operated using liquid gas (**propane, butane**) (**no natural gas or town gas**). When using LPG gas, please consider that the burner needs cleaning at shorter intervals due to the gas combustion method (2 - 3 times per year recommended)
- For physical reasons, gas ignition faults could occur starting from an altitude above sea level of approx. 3280 ft. / 1000 m (**No malfunction!**)
- On the initial refrigerator start-up or after a cylinder change, air may be trapped in the gas line. To purge the air from the lines, switch on the refrigerator and any other gas appliances (e.g. stove) for a short time. The gas ignites without delay.



WARNING!

As a basic rule, gas operation is prohibited in petrol stations

Prior to starting the refrigerator in gas mode :

- Open the gas cylinder valve.
- Open the shut-off valve for gas supply to the refrigerator.

MES Appliances

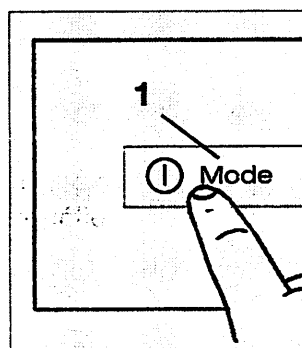


Fig. 11

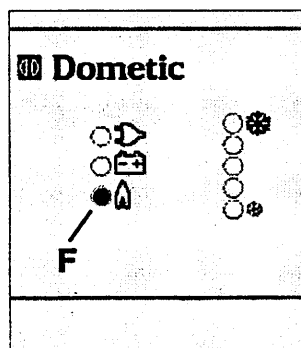


Fig. 12

1. Press button "1" several times until the indicator LED (F) illuminates.
2. The ignition process is activated automatically by means of an automatic igniter.



The ignition system will make 3 ignition attempts: 30 seconds ignition, 2 minutes ventilation pause, 30 seconds ignition, 2 minutes ventilation pause, 30 seconds ignition, if the burner fails to light. If repeated attempts fail to start the operation, a fault is indicated (*please refer to failure indication*).

AES Appliances

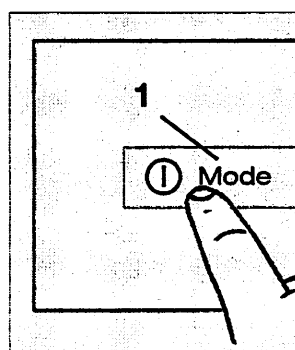


Fig. 13

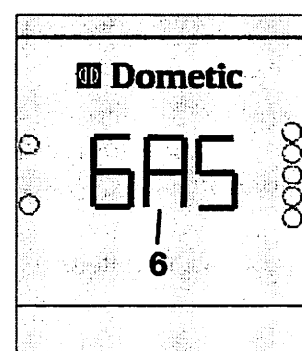


Fig. 14

Press button "1" several times until the indicator LED "6" **GAS** illuminates.

The device is now in manual gas mode. When you select the automatic mode (the display shows **AU**), **GAS** is only selected as energy option according to the sequence of priority when none of the two electrical types of power supply is available.

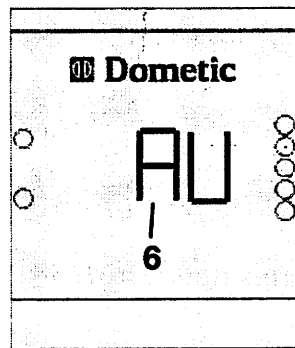


Fig. 15

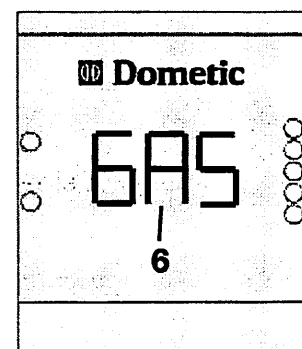


Fig. 16

In automatic mode, **AU** and the currently used type of power supply (e.g. **GAS**) are indicated alternately. Switching over to a manual energy selection is possible at any time.

Refuelling while in AES mode operation



In order to prevent unintended switching to gas operation during refuelling, the electronic system starts gas operation of the refrigerator after the motor has been turned off for 15 minutes. During this period the appliance is ready for operation ("stand-by"). In automatic mode the "AU" indication only is illuminated.



WARNING!

The use of unshielded flames is prohibited in petrol station environments.

Should the refuelling stop last longer than 15 minutes, the refrigerator has to be switched off or switched over to another energy type.

4.3.3 Setting of cooling compartment temperature

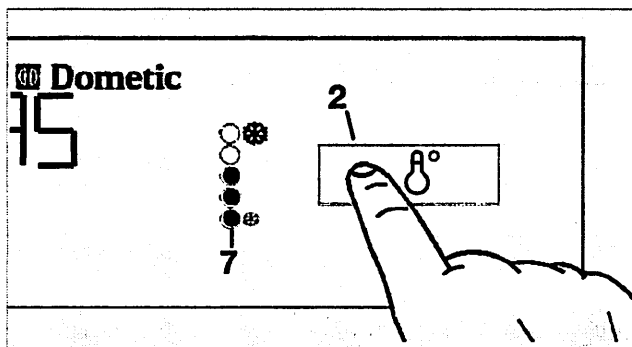


Fig. 17

Select the desired cooling compartment temperature by pressing button "2".

The LED display "7" of the selected temperature setting is illuminated.

The scale starts with **MIN** position at the bottom LED position (small crystal = highest temperature) and climbs up to **MAX** position at the upper LED position (large crystal = lowest temperature). Note: The temperature levels do not relate to absolute temperature values.



The cooling unit's performance is influenced by ambient temperatures. Please select the medium setting for ambient temperatures between +15°C and +25°C (refer to Fig. 28, temperature level 3). The unit operates within its optimum performance range.

Dometic refrigerators work according to the absorption principle. For physical reasons, an absorption system responds slowly to changes made by the thermostat controller, by loss of cooling energy through opening the door or during storing food. The devices meet the cooling performance requirements of the Climatic Class SN acc. to EN/ISO 7371 in the temperature range of +10°C to +32°C ambient temperature.

For temperatures below 50°F (10°C), winter covers should be installed. For ambient temperatures exceeding 89.6°F (32°C) for a longer period of time, it is recommended installing a Dometic additional fan.

(item no. 958 046 000)

4.3.4 Additional features (MES and AES)

- The brightness of the display reduces after a few seconds if no other buttons are pressed.
- If the door is open, the interior lighting is switched off automatically after 2 minutes.
- Failures are indicated by flashing of the failure indicator LED.
- Should the door be kept open for too long (more than 2 minutes), an acoustic signal is initiated (pulsing whistle tone).
- Should the electronic control detect any failure, an acoustic signal will sound (pulsing whistle tone). At the same time the display starts flashing (for trouble-shooting, please refer to section 4.12).

4.3.5 Forced ventilation

To achieve a better air circulation at high ambient temperatures, this appliance is equipped with an additional fan.

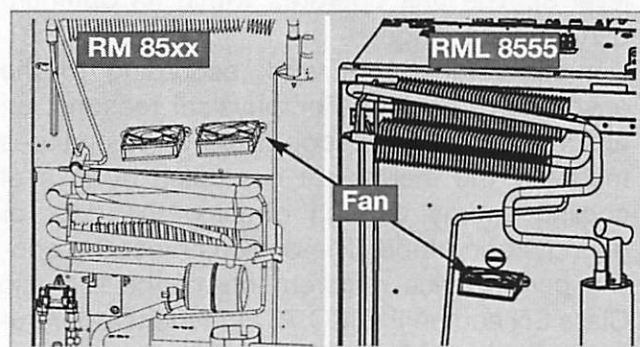


Fig. 18

4.4 Door locking



CAUTION!

As a basic rule, shut and lock the refrigerator before you start your journey!

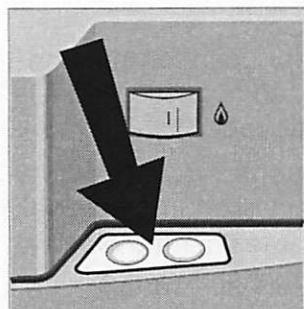


Fig. 19

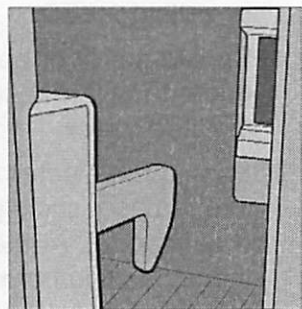


Fig. 20

Open the door by pressing the locking button and pull open (see Fig. 28).

Shut the door again by pushing it to close. The snapping into the lock can be heard.

While the vehicle is parked, the locking hook may be fixed to facilitate opening of the door (Fig. 22 - 25).

4.4.1 Fastening and releasing the door lock hook when parking the vehicle

If the vehicle is parked for a longer period of time, the locking hook may be clamped by means of a lockbar. The door may now be opened by just pulling it without need of pressing the locking button.

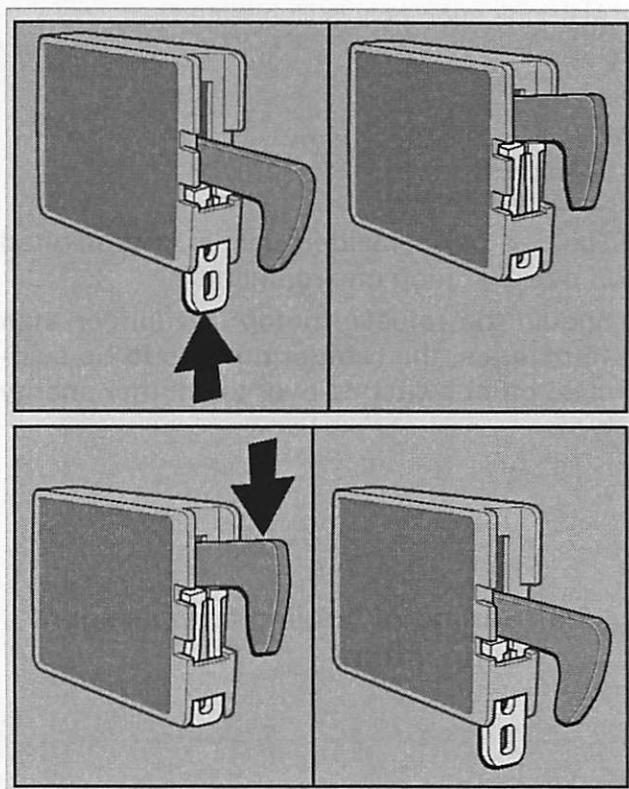


Fig. 21-24

4.5 Lighting

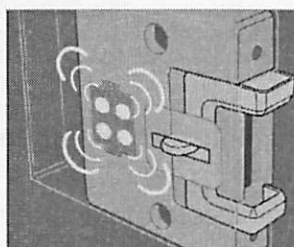


Fig. 25

If the door is open for more than 2 minutes, the sensor-controlled interior lighting is automatically cut off.

4.6 Positioning the storage racks

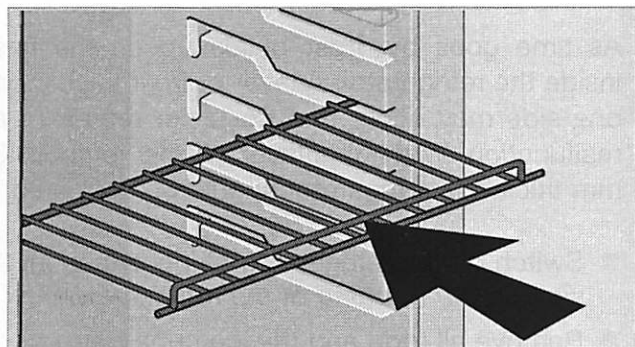


Fig. 26

The storage racks may be pulled out by smoothly lifting them and may be positioned as desired.

4.7 Removable freezer compartment

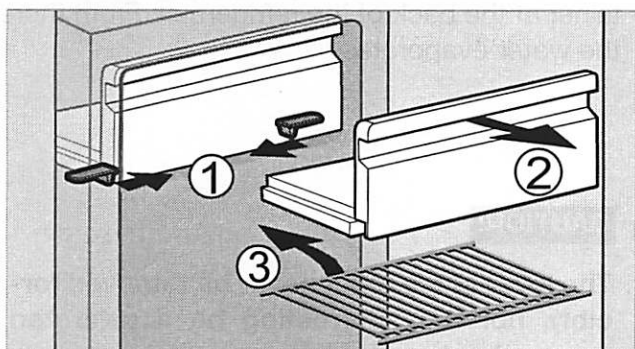


Fig. 27

To enlarge the cooling compartment, just remove the freezer compartment.

1. Unlock the freezer compartment on both sides.
2. Pull the freezer compartment out.

Store the freezer compartment safely in order to prevent damage



Once the freezer compartment is removed, an additional storage rack (3.) may be installed. The storage rack is a piece of extra equipment and may be obtained by **Dometic**.

4.8 Storing food and making ice cubes

4.8.1 Storing products in the cooling compartment

- Switch the refrigerator on approx. 12 hours before filling it.
- Always store pre-cooled foods in the refrigerator. Make sure that the food is well cooled when it is bought and also when transporting it. Use insulated cooling bags.
- Open the refrigerator door only for a short period of time when removing products.
- Products must be packed - best of all in closed containers, wrapped in aluminium foil or similar - and stored separately from each other, in order to prevent drying out or odours.
- Allow foods that have been warmed up to cool down before storing.
- Avoid storing products in the refrigerator that could emit volatile flammable gases.
- Do not expose the refrigerator to direct sun light. Please bear in mind that the temperature inside a closed vehicle increases sharply if exposed to sunlight and that this can reduce the efficiency of the refrigerator.
- Ensure that air circulation of the cooling unit is not obstructed. Keep the ventilation grilles free from obstructions.

4.8.2 Storing products in the freezer compartment

- Do not keep carbonated drinks in the freezer.
- The freezer compartment is suitable for making ice cubes and for short-term storage of frozen food. It is not suitable as a means of freezing foods.

Refrigerator operation

When ambient temperatures are lower than 50°F (10°C) and the refrigerator is exposed to these temperatures for extended periods of time, an even regulation of freezer temperature cannot be guaranteed for system-related reasons. This can cause the temperature in the freezer to rise and the stored goods to melt.

4.8.3 Making ice cubes

Ice cubes are best frozen overnight. At night, the refrigerator has less work to do and the unit has more reserves.

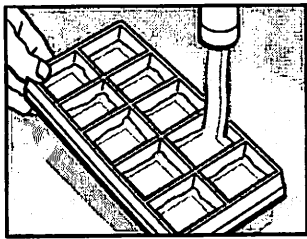


Fig. 28

1. Fill the ice cube tray with drinking water.

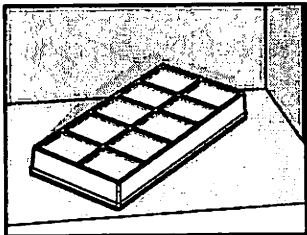


Fig. 29

2. Place the ice cube tray in the freezer compartment.



WARNING!

Only use drinking water!

4.9 Defrosting

As time goes by, frost builds up on the fins inside the refrigerator. A layer of frost thicker on one side may occur and does not represent a malfunction. When this layer of frost is about 3 mm thick, the refrigerator should be defrosted.

- Switch off the refrigerator, as described in section 4.9 *Shutting of the refrigerator*.
- Remove all food and the ice cube tray.
- Leave the refrigerator door open to allow air to enter and to prevent formation of mildew.
- After defrosting (freezer compartment and fins free of frost), wipe both cooling compartments dry with a cloth.

Note: Water thawing in the main compartment of the refrigerator runs into an appropriate container at the back of the refrigerator. From there, the water evaporates.

CAUTION!

The layer of ice must never be removed forcibly, nor may defrosting be accelerated using a heat source!

4.10 Shutting off the refrigerator

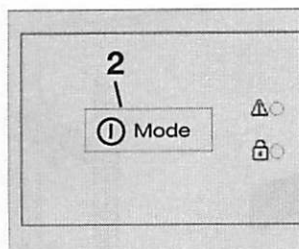


Fig. 30

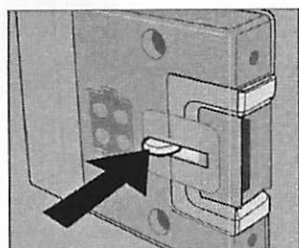


Fig. 31

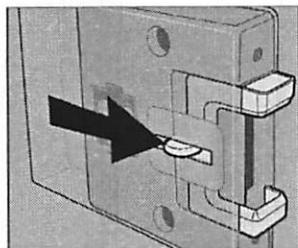


Fig. 32

- Press the "**MODE**" button to switch off MES and AES models. Keep button "**2**" pressed for 2 seconds. The display disappears and the appliance is fully switched off (Fig. 31).
- Release the locking mechanism of the door lock by pushing it and shift it to the front. If the door is shut in this position, a small gap is nevertheless kept open to prevent formation of mildew.
- If the refrigerator is to be taken out of service for an extended period of time, close the on-board shut-off valve and the cylinder valve.

4.11 Winter operation

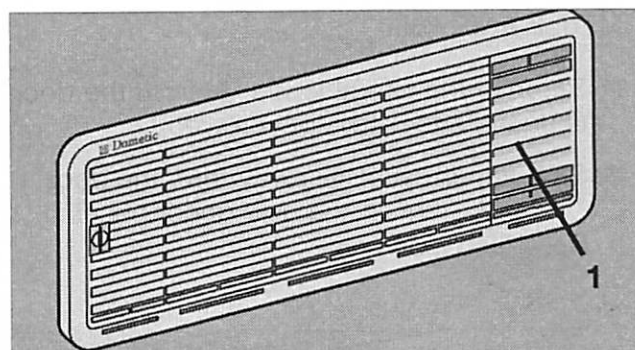


Fig. 33

In winter, check that the ventilation grilles and the exhaust duct system (1) have not been blocked by snow, leaves, etc.

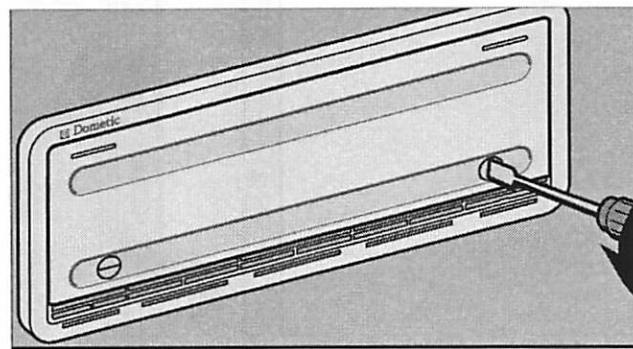


Fig. 34

When the outside temperature falls below **+8°C**, the **winter cover** should be fitted. This protects the unit from excessively cold air which could have adverse effects on the performance of the unit



You should also attach the winter cover if the vehicle is taken out of service for a longer period of time or while it is being cleaned from the outside

4.12 Changing the decor panel

Modell RMS 8550

- Remove the lateral ledge **1** from the door (ledge is attached, not screwed).
- Shift decor panel **2** away from the door and insert the new decor panel. Re-attach ledge **1**.

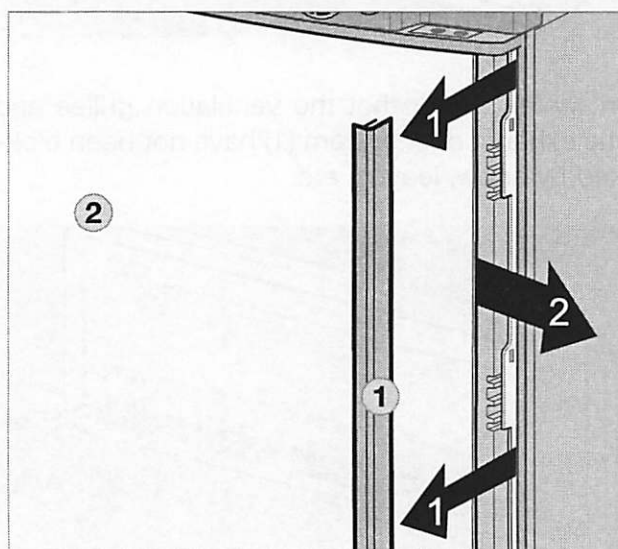


Fig. 35

Decor panel dimensions :

Casing width	19.13"	
Height	Width	Thickness
29.25" +/- 0.02	18.58" +/- 0.02	max. 0.09"

Casing width	20.59"	
Height	Width	Thickness
29.25" +/- 0.02	20.00" +/- 0.02	max. 0.09"

Model RML 8xxx

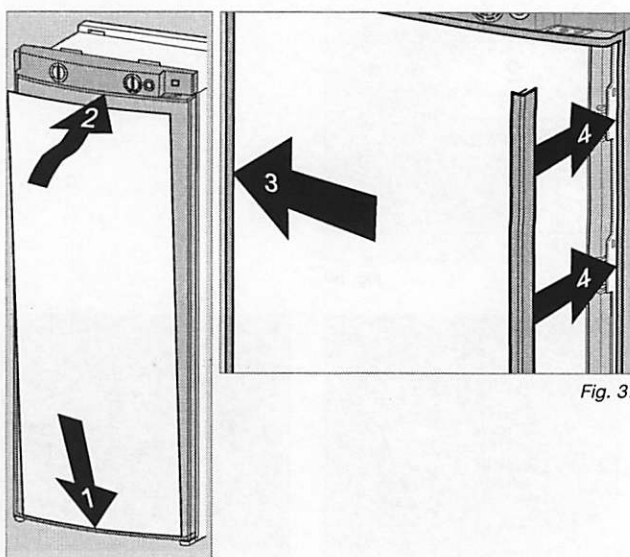


Fig. 36

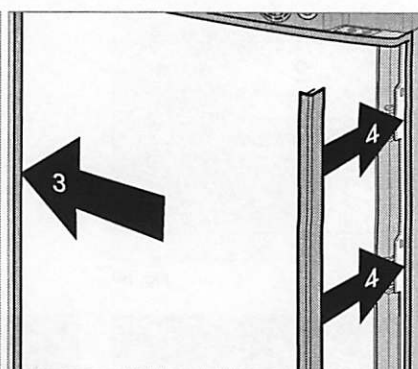


Fig. 37

ATTENTION!

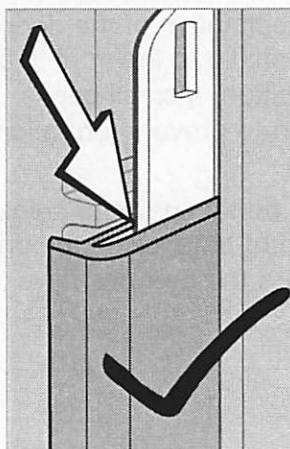


Fig. 38

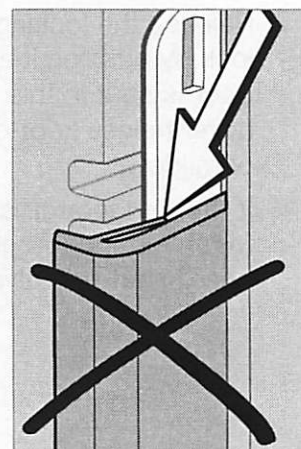


Fig. 39

Decor panel dimensions :

Casing width	20.67"	
Height	Width	Thickness
46.04" +/- 0.02	19.98" +/- 0.02	max. 0.06"

4.13 Information on failure display and trouble-shooting

- Refrigerators with an electronics system (MES, AES) indicate the occurrence of a malfunction by the LED or display flashing.
- If a malfunction occurs, the indicator LED "Failure" (1) flashes simultaneously. In the case of AES models an acoustic alarm sounds.

4.13.1 Status messages on the display

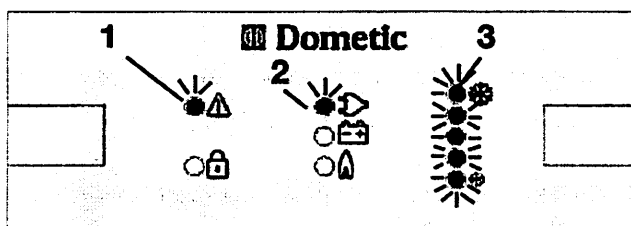


Fig. 40

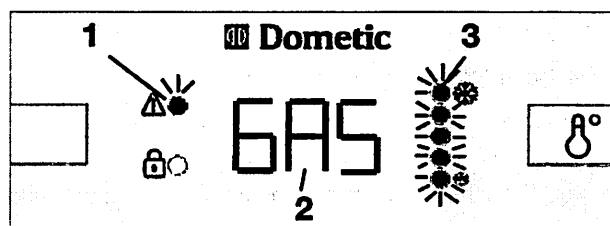


Fig. 41

- 1 = Indicator LED failure
- 2 = Operating mode display
- 3 = Temperature level display

Display :

MES

▶ LED is flashing

⏏ LED is flashing



LED is flashing

All temperature setting LEDs are flashing

▶ LED + all temperature setting LEDs are flashing

⏏ LED + all temperature setting LEDs are flashing

AES

"120" is flashing

"12" is flashing

"GAS" is flashing

All temperature setting LEDs are flashing

"HE1" is flashing

"HE2" is flashing

Failure :

120V mode: "120V" not available or voltage too low

12V mode: "12V" not available or voltage too low

GAS/Auto mode: Flame not ignited

Temperature sensor defective, refrigerator works on mid temperature setting

120V - Heating element defective

12V - Heating element defective

Refrigerator operation

4.13.2 Troubleshooting

Before notifying the authorised Service Center, please check whether:

- the instructions in section "Operating the refrigerator" have been observed.
- the refrigerator stands level.
- it is possible to operate the refrigerator with any available power source.

Failure: The refrigerator does not cool sufficiently.

Possible cause

- Inadequate ventilation to the unit.
- Thermostat setting is too low.
- The condenser is heavily frosted.
- Too much warm food has been stored inside within short period of time.
- The appliance has been running for only a short period of time.
- Ambient temperatures too high.

Action you can take

- Check that the ventilation grilles are not covered.
- Set thermostat to a higher level.
- Check that the refrigerator door closes properly.
- Allow warm food to cool down before storage.
- Check whether the cooling compartment works after approx. 4 - 5 hours.
- Regularly remove ventilation grilles.

Failure: The refrigerator does not cool in gas operation mode.

Possible cause

- Gas cylinder empty.
- Is the upstream shut-off device open ?
- Air in the gas pipe ?

Action you can take

- Change gas cylinder.
- Open shut-off device.
- Switch off the appliance and start again. Repeat this procedure 3 - 4 times, if necessary.

Failure: The refrigerator does not cool in 12V operation.

Possible cause

- On-board fuse defective.
- On-board battery discharged.
- Engine not running.
- Heating element defective (please also refer to failure indication).

Action you can take

- Fit new fuse.
- Check battery, charge it.
- Start engine.
- Please inform the Dometic Customer Services.

Failure: The refrigerator does not cool in 120V operation.

Possible cause

- On-board fuse defective.
- Vehicle not connected to mains supply voltage.
- AES: Gas operation despite connection to the mains supply voltage?
- Heating element defective (please also refer to failure indication).

Action you can take

- Fit new fuse.
- Make a connection to a mains power supply.
- Appliance switches to gas operation due to insufficient mains supply voltage (automatically switches back to 120V operation).
- Please inform the Dometic Customer Services.

Art. no. 210 6513 97
Date 2008-02-27

RM 8505 UL Forced Air Circulation



Addition to the operating instructions



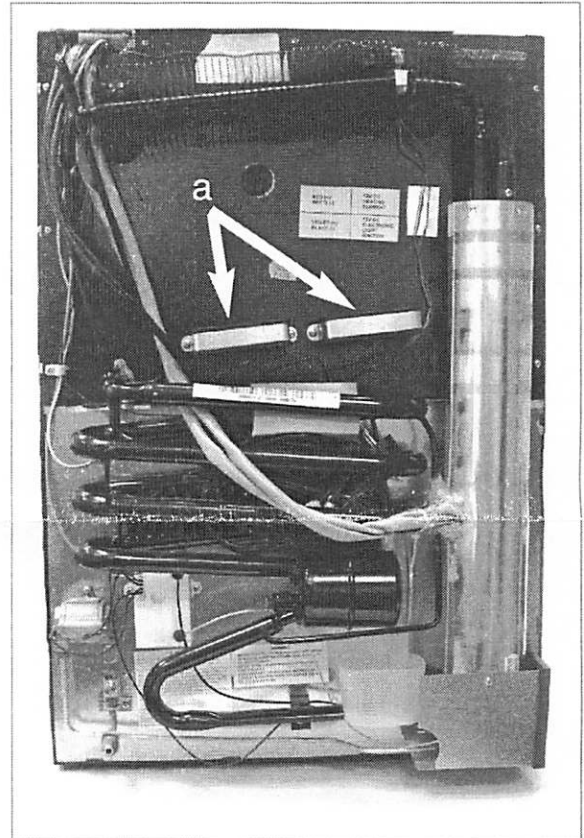
Complément pour le mode d'emploi

Additional fans

The refrigerator is equipped with two fans (a), for better air circulation.

The fans are controlled by a thermostat, so that the fans switch on and off automatically.

1



IMPORTANT!

Valuable Dometic Refrigerator Warranty and Maintenance Schedule Enclosed

Congratulations, and Thank You for purchasing the industry's best built and best backed RV Refrigerator. Enclosed you will find important warranty and maintenance information on Dometic's exclusive two (2) year warranty. Please take a few moments and familiarize yourself with the program. We at Dometic appreciate your business and are confident that you will have many years of trouble-free RV enjoyment.

REVISION

Form No. 3108443.056 1/09
(Replaces 3108443.049)
(French 3109188.031)
©2009 Dometic, LLC
LaGrange, IN 46761





LIMITED TWO-YEAR WARRANTY DOMETIC REFRIGERATORS

THE SELLER NAMED BELOW MAKES THE FOLLOWING WARRANTY WITH
RESPECT TO THE DOMETIC PRODUCT:

1. This warranty is made only to the first purchaser (herein after referred to as the "Original Purchaser") who acquires the product for his own use and is installed and operated within the continental United States and Canada.
2. This warranty will be in effect for two years on parts and freight and two years on labor from the date of purchase by the Original Purchaser. It is suggested that the original purchaser retain a copy of the dated bill of sale as evidence of the date of purchase.
3. This warranty covers only specified parts, which shall be free from defects in material and workmanship under normal use. This warranty does not cover conditions unrelated to the material and workmanship of the product. Such unrelated conditions include, but are not limited to: (a) damage not reported within the first 7 days of ownership; (b) faulty installation or installation that does not comply with RVIA standards, and any damage resulting from such; (c) the need for normal maintenance and any damage resulting from the failure to provide such maintenance; (d) failure to follow Sellers instructions for use of product; (e) any accident to or misuse of any part of this product and any alteration by anyone other than the Seller or its authorized representative; (f) any non-Dometic parts that are installed as replacement parts will void any warranty (implied or written); (g) blow out conditions; (h) radio frequency interference and electromagnetic interference; (i) 12V system chassis ground decay and corrosion; (j) puncture of foam cabinet or vacuum insulated panels after acknowledged receipt; (k) animal or insect infiltration which damages unit or inhibits performance; (l) abuse or misuse of electrical components.
4. The specified parts covered by this warranty are as follows: Major components (cooling unit, LP gas valve, burner, burner housing, electronic display, electronic module, evaporator fins, foam integrity, frame, thermister, spark probe, ignition wire, ice maker compressor, second absorption loop, display escutcheon, lower toe plate, humidity switch, frame heater mullion, ice maker mullion) are covered for parts and freight for two years and labor for two years from date of purchase. All other components that fail must be reported within the first 90 days of ownership in order to receive coverage of parts, freight and labor under warranty.
5. **This warranty requires the Original Purchaser to provide preventative maintenance on a yearly basis, starting at the anniversary of his date of purchase.** The Original Purchaser must keep a record of the preventative maintenance to keep the warranty in effect. Failure of the Original Purchaser in providing this annual maintenance may void the warranty. The preventative maintenance must be performed at a Dometic Authorized Service Center/Dealer. The preventative maintenance required is an inspection, cleaning and full diagnostics performed on the entire electronic system, burner assembly, wiring and cooling unit. A copy of the receipt covering the maintenance checks must accompany the warranty claim during the second year of ownership. The cost of this preventative maintenance is the Original Purchaser's responsibility and should take about one hour.
6. In order to obtain the benefits of this warranty, the original purchaser must return the product which is found defective to the Seller named below or to a Dometic Authorized Service Center during the period that this warranty is in effect. The original purchaser is responsible for all charges incurred in delivery of the product to the Seller or Dometic Authorized Service Center, and in pick up after the warranty service has been completed. To obtain the location of the nearest Authorized Service Center, please call 1-800-544-4881 or in Canada call 1-519-653-4390.
7. Any item returned in the manner described in paragraph 6 will be examined by the Seller or the Authorized Dometic Service Center. If it is found that the returned item was defective in material and workmanship, the Seller or the Authorized Dometic Service Center will repair the product per the terms outlined in paragraph 4. **CONFIRM THE SERVICE AGENCY IS AN AUTHORIZED DOMETIC SERVICE CENTER. DO NOT PAY THE SERVICE AGENCY FOR WARRANTY REPAIRS. SUCH PAYMENTS WILL NOT BE REIMBURSED.**
8. The Seller does not authorize any person or company to create any warranty obligations or liability on their behalf. This warranty is not extended by the length of time which you are deprived of the use of the product. Repairs and replacement parts provided under the terms of this warranty shall carry only the non-expired portion of this warranty.
9. In no event shall either seller be liable for incidental or consequential damages. This includes any damage to another product or products resulting from such a defect. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply.
10. Any implied warranty, including the implied warranty of merchantability and fitness for any purpose, is limited to the duration of this limited warranty. Some states do not allow limitations on how long an implied warranty can last, so the above limitation may not apply.
11. **THIS WARRANTY GIVE SPECIFIC LEGAL RIGHTS, YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.** No action to enforce this warranty shall be commenced later than ninety (90) days after the expiration of the warranty period. Claims must be submitted in writing to the Dometic Warranty Department for arbitration.
12. All products (except those specifically built for commercial use) are warranted only when installed on vehicles built to R.V.I.A 119.2 and C.R.V.A, Z-240 Standards.
13. The Seller reserves the right to change the design of any product without notice and with no obligation to make corresponding changes in products previously manufactured.

REFRIGERATOR OWNER MAINTENANCE YEARLY RECORD

Customer Name: _____ Model No.: _____ Date of Purchase: _____
 Address: _____ Serial No.: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____

FIRST YEAR

Date: _____
 Dealership: _____
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone: _____
 Technician: _____

Cleaned Burner Assembly: Yes / No
 Cleaned/Check All Terminals Connections: Yes / No
 Cleaned/Inspect All Ground Connections: Yes / No
 Inspect and Test Door Seals: Yes / No
 Inspect and Tighten LP Lines: Yes / No
 Power Ventilator Installed: Yes / No
 *Gas Safety Shutdown in 45 seconds: Yes / No

	ACTUAL	SPEC. RANGE
Electrode Gap	_____	3/16"
Thermister Reading	_____	7-10,000 ohms @ 32°
*D/C Voltage	_____	9.5 to 15 volts D/C
*A/C Voltage	_____	120 Volts ± 10%
Thermocouple Reading	_____	25-35 Millivolts
*Delay Between Modes	_____	Approx. 5 seconds

* Use PAL RV Diagnostic Tool for these tests.

ICE MAKER MODELS

Inspect Water Valve and All Connections: Yes / No
 Inspect Heat Tape Switch for Proper
 Operation: Yes / No

SECOND YEAR

Date: _____
 Dealership: _____
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone: _____
 Technician: _____

Cleaned Burner Assembly: Yes / No
 Cleaned/Check All Terminals Connections: Yes / No
 Cleaned/Inspect All Ground Connections: Yes / No
 Inspect and Test Door Seals: Yes / No
 Inspect and Tighten LP Lines: Yes / No
 Power Ventilator Installed: Yes / No
 *Gas Safety Shutdown in 45 seconds: Yes / No

	ACTUAL	SPEC. RANGE
Electrode Gap	_____	3/16"
Thermister Reading	_____	7-10,000 ohms @ 32°
*D/C Voltage	_____	9.5 to 15 volts D/C
*A/C Voltage	_____	120 Volts ± 10%
Thermocouple Reading	_____	25-35 Millivolts
*Delay Between Modes	_____	Approx. 5 seconds

* Use PAL RV Diagnostic Tool for these tests.

ICE MAKER MODELS

Inspect Water Valve and All Connections: Yes / No
 Inspect Heat Tape Switch for Proper
 Operation: Yes / No

REFRIGERATOR
OWNER MAINTENANCE YEARLY RECORD

Model No.

Serial No.

Date of Purchase

Year

SECOND YEAR

Date

Time

Technician

Cost

Order

Notes

Technician

Technician

Technician

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DOMETIC, LLC

Warranty Department

2320 Industrial Parkway

Elkhart Indiana 46516

Phone: 574-294-2511

Fax: 574-389-3975