

INSTALLATION & OPERATING INSTRUCTIONS

FOR YOUR SAFETY

If you smell gas:

1. Open windows and door.
2. Don't touch electrical switches.
3. Extinguish any open flame.
4. Turn off the Gas supply at the source.
5. Contact a qualified person.

FOR YOUR SAFETY

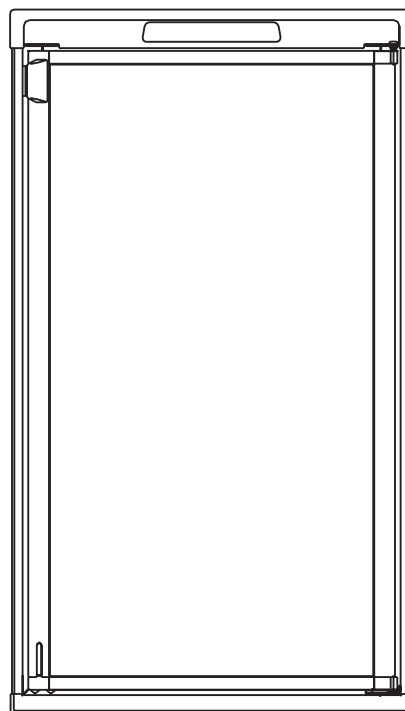
Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

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.

RM2453

RM2553



RA/RM-1D

CONTENTS

INSTALLATION INSTRUCTIONS	3
GENERAL INFORMATION	3
PACKAGING	3
VENTILATION REQUIREMENTS	3
CLEARANCES	3
DIMENSIONS	3
INSTALLING THE REFRIGERATOR	5
SECURING THE REFRIGERATOR	5
CONNECTIONS	5
CHANGING DOOR SWING	7
MOUNTING THE DOOR PANEL	7
REFRIGERATOR REMOVAL	7
OPERATING INSTRUCTIONS	8
GAS AND AC OPERATION	8
REGULATING THE TEMPERATURE	9
TURNING OFF THE REFRIGERATOR	9
STORAGE COMPARTMENTS	9
PRODUCT CARE	9
MAINTENANCE & SERVICE	10
REPLACING THE HEATER	10
PERIODIC MAINTENANCE	10
TROUBLESHOOTING	11
APPENDIX	12
REARVIEW EQUIPMENT	12
WIRING DIAGRAM	12

SYMBOLS

The following symbols are used throughout the manual:



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



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



Used without the safety alert symbol indicates, a potentially hazardous situation which, if not avoided may result in property damage.



Step-by-step instructions

INTRODUCTION

We are pleased that you have chosen this refrigerator and hope you will derive much satisfaction from using it.

The refrigerator is designed for storage of foods and storage of frozen foods and making ice.

The installation and servicing should only be carried out by an authorized/qualified person and conform to all relevant local authorities.

It is important to read through these instructions carefully before using the refrigerator. To ensure good refrigeration and economical operation, the refrigerator must be installed and used as described in these instructions.

Follow the instructions in this manual. The refrigerator is quality guaranteed. However, we are not responsible for any failures caused by improper adjustments and unfavourable installation conditions. Please contact service point or distributor service dept. for assistance.

DATA PLATE

Check the data plate, located inside the refrigerator, to ensure that you have received the right model and that it is suitable for the available gas supply and pressure.

The right gas pressure is 2.72 kPa

The right voltage is 230 - 240 volt

The right gas consumption is 1.24 MJ/h

The data plate contains e. g. the following details:

Model designation

Product number

Serial number

Since these details will be needed if you have to contact service personnel, it is a good idea to make a note of them here.

TECHNICAL DATA

	RM2453	RM2553
OVERALL DIMENSIONS		
Height(mm)	948	1104
Width(mm)	632	632
Depth(mm)	627	627
RECESS DIMENSIONS		
Height(mm)	928	1083
Width(mm)	607	607
Depth(mm)	610	610
CAPACITY		
Gross(litres)	121	150
WEIGHT		
without packing(kg)	39	44.5
ELECTRICAL DATA (watt)		
Input 240V	195	195
12V	175	175
ULP GAS		
Input, max(MJ/h)	1.16	1.16

INSTALLATION INSTRUCTIONS

GENERAL INFORMATION

The refrigerator is intended for installation in caravans & motor homes

installation is important for correct operation of the appliance.

The refrigerator must be installed on a solid floor and must be level. With the vehicle levelled, the refrigerator should be level both ways in the freezer compartment.

Free air circulation over the fins of the cooling unit is essential.

VENTILATION OF THE UNIT

VENTILATION GRILLES

We recommend fitting the appropriate Dometic ventilation system which is specially developed by Dometic for this purpose. The Dometic ventilation grilles permit inspection and small repairs to be carried out without the necessity of removing the refrigerator from the recess.

If the lower grille is not at floor level where leaking gas can escape, a hole a minimum of 40 mm diameter should be made in the floor of the recess to drain any unburned gas to the outside.

SIDE VENTILATION

The refrigerator unit is ventilated via two openings in the wall of the vehicle, Fresh air enters through the lower opening and warm air is discharged through the upper vent.

The lower opening should be located at floor level to allow any leaking gas to escape to the outside. The upper ventilation opening should be located above the condenser, as high as possible, to ensure good ventilation.

ROOF VENTILATION

The ventilation of the cooling unit can also be done via one opening in the wall of the vehicle and one on the roof for the roof vent.

Fresh air enters through the lower opening and warm air is **discharged through the roof vent. The lower opening should be** located at floor level to allow any leaking gas to escape to the outside.

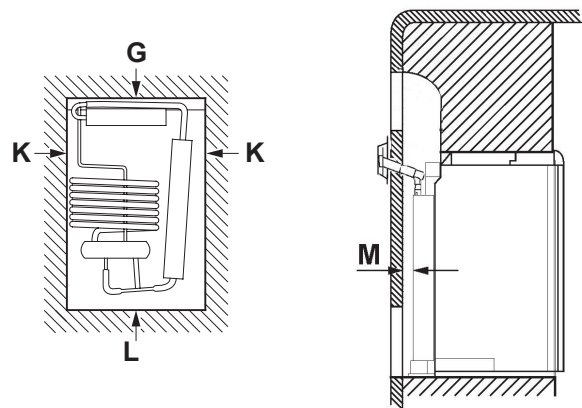
REMOVAL OF FLUE GASES

The ventilation passage at the rear of the recess, between the outer wall of the vehicle and the refrigerator must be sealed off against the living space, so cold draughts are excluded (winter camping) and **no flue gases can penetrate into the vehicle**.

The exhaust gases must be directed through the wall to the outside of the vehicle using a separate gas flue exhaust fitting, part number 3776 (see the following diagrams)

CLEARANCES

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIAL (MM)			
Top	G	0	
Side	K	0	
Bottom	L	0	
Rear	M'	25	



VENTILATION HEIGHTS



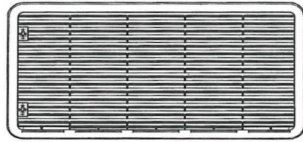
In high ambient temperatures the refrigeration unit will only perform adequately when properly ventilated

Recommended ventilation for refrigerators above 101 litres capacity (RM2453 and RM2553)

Option 1

LS300 vent and frame cut out required
490mm x 249mm. Each vent has open
area of 667 cm²

Ventilation system not included

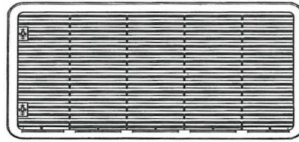


LS300

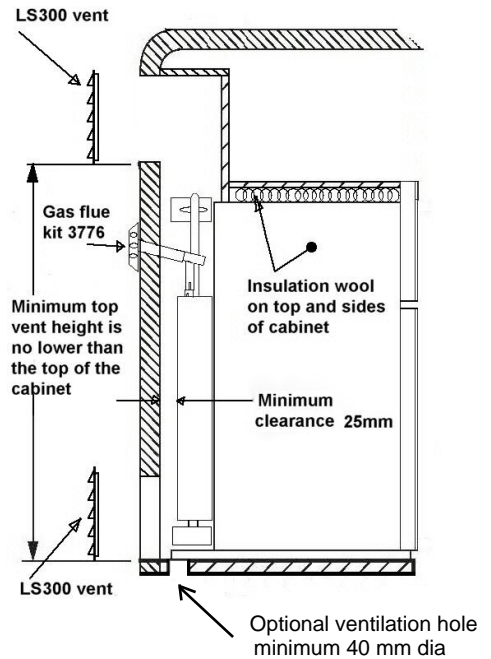
Gas flue kit
3776



LS300 vent and frame cut out required
490mm x 249mm. Each vent has open
area of 667 cm²



LS300



Option 2

Ventilation system not included

Roof Cap &
roof base open
ventilation area
of 730 cm²



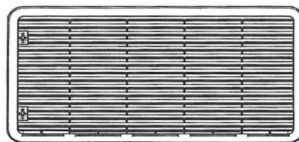
3311246.000

3311237.000

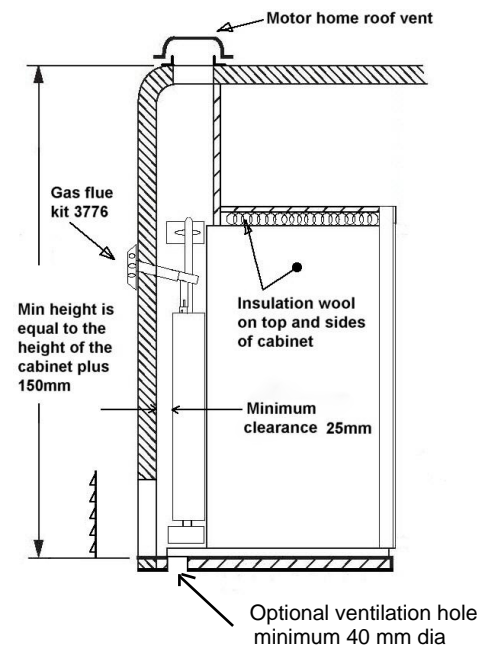
Gas flue kit
3776



LS300 vent and frame cut out required
490mm x 249mm. Each vent has open
area of 667 cm²



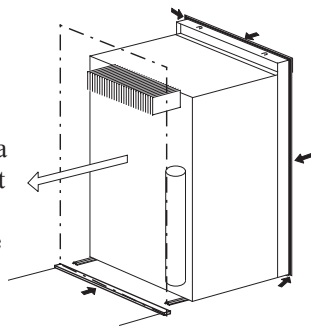
LS300



INSTALLING THE REFRIGERATOR

- The refrigerator must be level, installed on a solid floor and in a substantial enclosure. With the vehicle carefully leveled, the refrigerator should level both ways in the freezer compartment.
- **Note!** Do not install the appliance directly on carpeting. Carpeting must be removed or protected by a metal or wood panel beneath the appliance, which extends at least full width and depth of the appliance.
- A wood strip must be in place across the upper opening of the enclosure. The top frame of the refrigerator will be anchored to the wood strip with screws.

- When installing the refrigerator in the enclosure, all areas within the recess in which the refrigerator is installed must be sealed. Make sure that there is a complete seal between the front frame of the refrigerator and the top, sides and bottom of the enclosure.



Apply a sealing strip to the foremost floor of the enclosure. the sealing should provide a complete isolation of the appliances combustion system from the vehicle interior

A length of sealing strip is applied to the rear surface of the front frame for this purpose.

The sealing should provide a complete isolation of the appliance's combustion system from the vehicle interior.

Note! Be careful not to damage the sealing strip when the refrigerator is put in place.

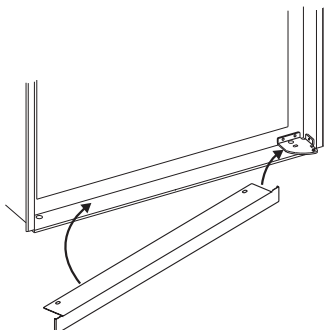
SECURING THE REFRIGERATOR

After the refrigerator is put in place, (ensuring a combustion seal at the front frame), the refrigerator is to be secured in the enclosure with six screws (not included).

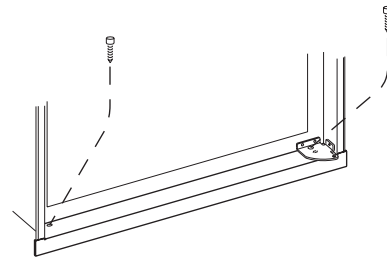
Please note that failure to follow the sequence in securing the refrigerator in the enclosure can cause leakage between the frame and cabinet. Any space between the counter, storage area or ceiling and top of the refrigerator greater than 40 mm should be blocked. The heat produced at the rear of the refrigerator will become trapped in this space, making the top of the refrigerator hot and reduce the efficiency of the refrigerator.

The screws have to be installed in the following order:

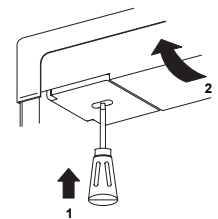
1. Two screws installed through the front base and installation of the lower front strip.
 - The front strip (shipped as a loose part) is to be attached after the refrigerator is set into the cut-out opening. Install the lower front strip by sliding it under the bottom hinge plate. (The hinge plate can be on the right or left side depending on the door swing.)
 - Once the lower front strip is slipped under the hinge, the part is possible to swing into place.



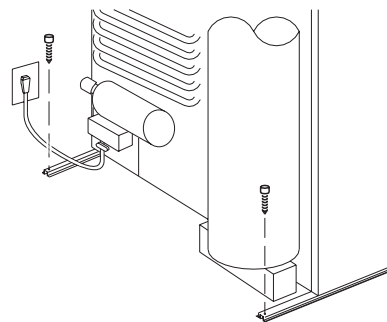
- Secure the refrigerator and the lower front strip with two screws: One screw through the hinge, and on the opposite side one screw through the lower front strip.



2. Two screws installed in the top frame.
 - Remove the top decoration panel.
 - Open the door.
 - Gently push the tabs out of the hole in the hinge with a flat blade screwdriver (both sides).
 - Carefully tilt the top decoration panel and lift to remove from the top frame.
 - Install the two screws in the top frame (the holes are accessible from underneath).
 - Seal the opening for the screws with aluminium tape.
 - Replace the top decoration panel. Make sure the tabs snap back into the holes in the hinge plate.



3. Two screws installed in the rear base.



CONNECTIONS

UNIVERSAL LP GAS

The gas installation and servicing must be carried out by an authorised person and conform to all relevant local authorities.

The refrigerator is *not* designed for operation on town gas or natural gas but for operation on ULP gas, the pressure of which must be 2,72 kPa for ULP gas. Check that this is stated on the data plate. The gas supply system must incorporate an approved gas pressure regulator to maintain a supply pressure of 2,7 kPa.

CAUTION

Check that the gas supplied to the refrigerator is at the correct pressure.

Connection to the gas supply line is accomplished at the manual gas valve, which is furnished with a ISO 7/1 -Rp 1/8 internal pipe thread connection at the top of the refrigerator. All completed connections should be checked for leaks with soapy water.

⚠ WARNING

Do not use an open flame to check for gas leaks.

The gas supply system must incorporate an approved gas pressure regulator to maintain a supply pressure of 2,72 kPa .

When testing the gas supply system at test pressures in excess of 3.5kPa, the refrigerator and its individual shutoff valve must be disconnected from the gas supply piping system.

If detailed instructions on the installation and connection to the gas supply are required, contact your dealer or distributor.

Testing ULP gas safety shut off

The gas safety shut off must be tested after the refrigerator is connected to the ULP gas supply.

To test the gas safety shutoff, proceed as follows:

- 1. Start the refrigerator and check that the gas flame is lit. This can be observed on the flame indicator **E**. The red indicator is in the green field (ON).
- 2. Close the gas valve by turning knob **A** back to “OFF” position.
- 3. Wait for one minute.
- 4. Remove protection cover.
- 5. Open the gas valve by turning knob **A** to position “GAS” without pressing buttons **C** and **D**.
- 6. Apply a non-corrosive commercial bubble solution to the burner jet. Be careful not to damage the burner jet.
- 7. No bubbles should appear at the opening of the burner jet. The presence of bubbles indicates a defective gas safety shutoff, and service is required. If no bubbles were present at the burner jet, the gas safety valve is working properly.
- 8. Rinse jet thoroughly with fresh water before proceeding. Be careful not to damage the burner jet.
- 9. Replace the protection cover and turn the main switch OFF and back ON.
- 10. Normal operation of the burner should return. Allow the burner to operate for a minimum of 5 minutes.

ELECTRICAL CONNECTION

230-240 V AC connection

The electrical installation must be carried out in a proper and durable manner, taking into account all relevant regulations and codes of practice.

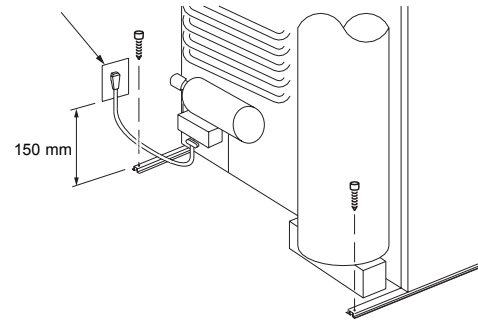
Check that the voltage stated on the data plate is the same as the main voltage in use (230-240 V). Electrical leads must be routed and secured so that they cannot come into contact with hot or sharp parts of the refrigerator.

For mains voltage operation, it is important that the circuit to and in the caravan is effectively earthed.

The refrigerator is equipped with a three-prong (grounding) plug for your protection against shock hazards and should be plugged directly into a properly grounded threeprong receptacle. **Note!** Do not cut or remove the grounding prong from this plug.

The free length of the cord is approximately 1,8 m. It is recommended the receptacle placed on the left side of the refrigerator (viewed from the rear) and approximately 150 mm from the floor. This will allow easy accessibility through the vent door.

230-240 V AC receptacle



Exchange of supply cord

The cord should be routed to avoid direct contact with the burner cover, flue cover or any other components that could damage the cord insulation. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

12 V DC connection

The connection is made to the terminal block marked “12 volts DC heater”, located at the bottom left corner on the back of the refrigerator cabinet.

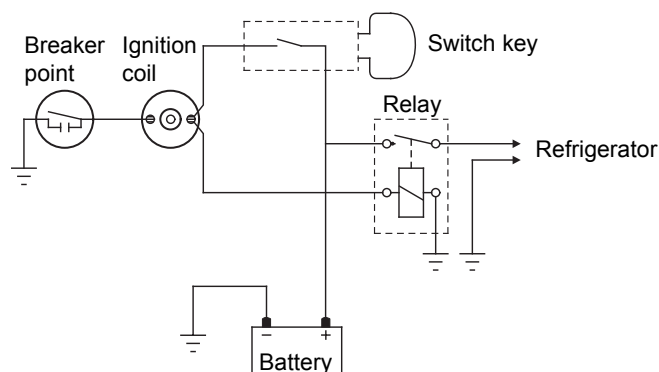
The refrigerator must be connected to the battery circuit with two wires of adequate capacity to avoid voltage drop. The wire gauge should be chosen with consideration to the wire length in accordance with the table below.

MAXIMUM CONDUCTOR WIRE LENGTH	
Wire length	Min. wire size
5 m	4 mm ²
8 m	6 mm ²

To ensure safe operation, the positive lead must be fitted with a fuse rated at 20 amps. Correct polarity must be observed when connecting to the 12 V DC supply. **DO NOT** use the chassis or vehicle frame as one of the conductors. Connect two wires at the refrigerator and route to the 12 V DC supply. The refrigerator will draw 15 amps at 12 volt DC.

The connections must be clean, tight and free from corrosion. If not, a resulting voltage drop will cause a decreased cooling capacity.

Note! DO NOT operate the refrigerator on 12 V when the vehicle is parked. The amperage draw of the 12 V DC heating element can discharge a battery in a very short time. The installation of a 12 V DC operated refrigerator requires a relay to be installed on the tow vehicle or in the caravan. The relay will automatically shut off the 12 V DC power to the refrigerator when the ignition is turned off.



CHANGING DOOR SWING

The refrigerator is equipped with a reversible door. A special door reversing kit must be used to reverse the door. For further information, please contact your dealer.

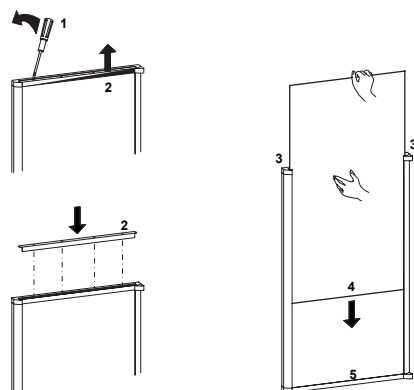
MOUNTING THE DOOR PANEL

The refrigerator is normally delivered without door panel. Before starting the mounting work, read this instruction thoroughly and check that the panel dimensions are in compliance with those given in the following table:

PANEL DIMENSIONS Max thickness 4 mm				
	Height		Width	
RM2453	827	825	527	524
RM2553	983	981	527	524

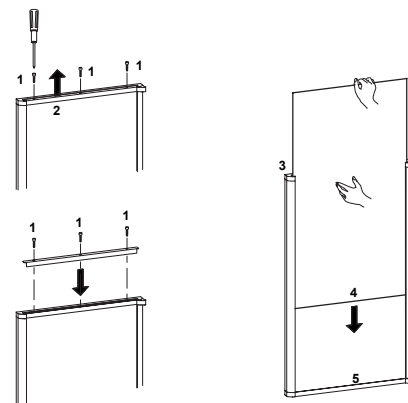
To mount the door panel - with screws

1. Open the door 90 degrees.
2. Remove the door decoration strip (2) by removing its three screws (1).
3. Insert the vertical edges into the grooves of the door frame (3), push the panel downward so that the lower horizontal edge of the panel (4) is fitted into the bottom groove (5).
4. Put the decoration strip across the door so that the gap is covered and secure with the three screws removed in step 2.



To mount the door panel - snap in

1. Open the door 90 degrees.
2. Remove the door decoration strip (2) by gently pushing the four tabs away with a flat blade screwdriver (1).
3. Insert the vertical edges into the grooves of the door frame (3), push the panel downward so that the lower horizontal edge of the panel (4) is fitted into the bottom groove (5).
4. Snap in the decoration strip (2).



Before leaving

Once the installation is complete, test the operation of the refrigerator and instruct the user on its correct operation. If the appliance fails to operate correctly, contact your local Dometic Service provider.

REFRIGERATOR REMOVAL

1. Disconnect the 230- 240 V AC voltage and 12 V DC voltage leads.
2. Shut off the gas supply at the LP tank.
3. Disconnect the gas supply line. Always use a back up wrench when loosening and tightening connections.
4. Cap the gas supply line, loosen the screws anchoring the refrigerator to the enclosure and slide the refrigerator out of the compartment.
5. When replacing the refrigerator make sure that the sealing strips are properly positioned.
6. Replacement is the reverse of removal. Check all connections for gas leaks.

OPERATING INSTRUCTIONS

ABSORPTION REFRIGERATOR SYSTEM

In an absorption refrigerator system, ammonia is liquefied in the finned condenser coil at the top rear of the refrigerator. The liquid ammonia then flows into the evaporator (inside the freezer section) and is exposed to a circulating flow of hydrogen gas, which causes the ammonia to evaporate, creating a cold condition in the freezer.

When starting the refrigerator for the very first time, the cooling cycle may require up to four hours of running time before the cooling unit is fully operational.

The tubing in the evaporator section is specifically sloped to provide a continuous movement of liquid ammonia, flowing downward by gravity through this section.

If the refrigerator is operated when it is not level and the vehicle is not moving, liquid ammonia will accumulate in sections of the evaporator tubing. This will slow the circulation of hydrogen and ammonia gas, or in severe cases, completely block it, resulting in a loss of cooling.

Note! Any time the vehicle is parked for several hours with the refrigerator operating, the vehicle must be levelled to prevent this loss of cooling.

When the vehicle is moving, the levelling is not critical, as the rolling and pitching movement of the vehicle will pass to either side of level, keeping the liquid ammonia from accumulating in the evaporator tubing.

GENERAL ADVICE AND INFORMATION

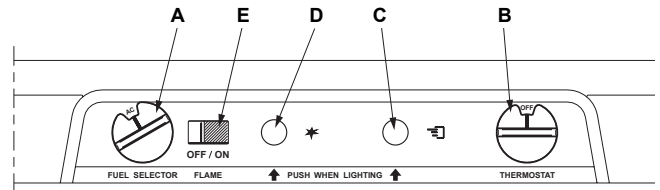
- Make sure defrosting is carried out periodically.
- The refrigerator should be kept clean and dry with the door left open when it is not to be used for some time.
- Ensure that liquids or items with a strong odour are well packaged.
- Service and maintenance must be done on a regular schedule to keep the refrigerator operating properly, efficiently and safely. The service should be performed by qualified personnel only.
- Avoid spraying water through the refrigerator vents while washing your RV.

WARNING

**The sealed cooling system must not be opened.
It contains corroding chemicals under high pressure.**

Sodium chromate is used for corrosion protection (less than 2 weight % of the coolant).

CONTROL PANEL




- A.** ON/OFF, Fuel selector switch
- B.** Thermostat knob, Gas/Electric
- C.** Flame failure safety valve push-button
- D.** Piezo igniter
- E.** Flame indicator

UNIVERSAL GAS AND AC OPERATION

ULP GAS OPERATION

Before starting the refrigerator, check that all the manual gas valves are in the ON position.

-  1. To start the refrigerator, turn knob **A** to the “GAS” position.
2. Turn the thermostat knob **B** to position 4.
3. Press and hold button **C** and press button **D** for the piezo igniter several times to light the burner. This can be observed on the flame indicator **E**. When the flame is on, the red indicator is in the green field (ON).
4. After the gas is lit, keep the button **C** pressed for 10 seconds. Release the button and check that the RED indicator is in the GREEN field, (ON).
5. To shut off the refrigerator turn the knob **A** to “OFF”.


Note! After changing a ULP gas bottle, or after a long shut off period, the gas line is likely to be filled with air. You may have to repeat the lighting procedure several times to purge the air out of the gas lines.

WARNING

Whilst mobile:
- Do not operate the refrigerator on ULP gas.
- Turn off the gas bottle.

230-240 V AC OPERATION

Before operating the refrigerator, check that the voltage stated on the data plate is the same as the main voltage in use.

-  1. Check to be sure that the power cord is properly connected to the power supply.
2. Turn the knob **A** to the position marked “AC” for 230-240 volt AC operation.
3. Turn the thermostat knob **B** to position 4.

REGULATING THE TEMPERATURE

The refrigerator is equipped with a thermostat that can be adjusted by turning the knob **B** to different setting to maintain the desired cabinet temperature.

ULP Gas operation

- At “OFF”, the thermostat closes its main valve and the burner runs continuously at the bypass rate, just enough to keep the burner lit.
- At “MAX”, the thermostat allows the burner to remain on high flame continuously.

AC operation (230-240 V AC)

- At “OFF”, the contacts in the thermostat are open and the heating elements are off.
- At “MAX”, the heating element is “ON” continuously. Lowest cabinet and freezer temperatures are obtained at this setting.

The thermostat can be adjusted between “MAX” and “OFF” to obtain the desired cabinet temperature. The closer the knob is to “MAX” - the colder the cabinet temperature. The closer the knob is to “OFF” - the warmer the cabinet temperature.

When the thermostat reaches the set temperature, it will cut the burner back to bypass or, in electric operation (230-240 V AC), shut off the heating element. The setting of the thermostat is not critical, but we recommend it be adjusted to maintain a dry frost on the cooling fins. Adjust the thermostat knob closer to “MAX” when the outside temperature becomes warm.

TURNING OFF THE REFRIGERATOR



To shut off the refrigerator turn the knob **A** to “OFF”.

If the refrigerator will not be in operation for a period of weeks, it should be:

- Emptied
- Defrosted
- Cleaned and the door left ajar.
- The ice tray should also be dried and kept outside the cabinet.

STORAGE COMPARTMENTS

WARNING

Do not store explosive substances in the refrigerator, such as cigarette lighter gas, gasoline, ether or the like.

FOOD STORAGE COMPARTMENT

The food storage compartment is completely closed and unventilated, which is necessary to maintain the required low temperature for food storage. Consequently, foods having a strong odour or those that absorb odours easily should be covered. Vegetables, salads etc. should be covered to retain their crispness. The coldest positions in the refrigerator are under the cooling fins and at the bottom of the refrigerator. The warmer areas are on the upper door shelves. This should be considered when placing different types of food in the refrigerator.

FROZEN FOOD STORAGE COMPARTMENT

Quick frozen soft fruits and ice cream should be placed in the coldest part of the compartment, which is at the bottom of the aluminium liner. Frozen vegetables, may be stored in any part of the compartment. This compartment is not designed for deep or quickfreezing of food. Meat or fish, whether raw or prepared, can be stored in the frozen food storage compartment provided they are precooled first in the refrigerator. They can be stored about three times longer in the frozen food compartment as compared to the fresh food compartment. To prevent food from drying out, keep it in covered dishes, containers, plastic bags or wrapped in aluminium foil.

Ice cubes can be made in the freezer compartment. For faster ice making, the tray should be placed in direct contact with the bottom of the freezer compartment. Ice making is accelerated if the thermostat knob **B** is turned to the “MAX” setting. It is a good idea to do this a few hours before the anticipated need for ice, but be sure to turn the thermostat back to normal setting, usually about mid-setting when the ice is formed. Food in the lower compartment may be frozen if the setting is left on “MAX” position.

PRODUCT CARE

DEFROSTING



1. Shut off the refrigerator by turning the knob **A** to “OFF”.
2. Empty the refrigerator.
3. Leave the drip tray under the finned evaporator.
4. Leave the cabinet and freezer doors open. Defrost water runs from the drip tray through a plastic drain water hose to the outside of the vehicle.
5. Filling the ice tray with hot water and placing it on the freezer shelf can reduce defrosting time.

CAUTION

Do not use:

- **A knife or an ice pick, or other sharp tools to remove frost from the freezer shelves. It can create a leak in the ammonia system.**
- **A hot air blower. Permanent damage could result from warping the metal or plastic parts.**

6. When all frost has melted, wipe up the excess moisture and empty the accumulated water from the bucket.
7. Dry the interior of the refrigerator with a clean cloth.
8. Turn on the refrigerator and set the thermostat to “MAX” for a few hours. Then, reset the thermostat to its normal position.
9. Replace the food.

CLEANING THE REFRIGERATOR

Always keep the refrigerator clean. Cleaning the refrigerator is usually done after it is defrosted or put into storage. To clean the interior liner of the refrigerator, use lukewarm weak soda solution. Use only warm water to clean the finned evaporator, gasket, ice tray and shelves.

Never use strong chemicals or abrasives to clean these parts, as the protective surfaces will be damaged.

It is important to keep the area at the back of the refrigerator clean. Check the lower vent, upper vent and area between these openings for any obstructions such as bird/insect nests, spider webs, etc. Clean the coils on the back of the refrigerator. Use a soft bristled brush to dust off the coils. Keep the refrigerator area free from combustible material, gasoline and other flammable vapours or liquids.

MAINTENANCE & SERVICE

Service and maintenance must be done on a regular schedule to keep the refrigerator operating properly, efficiently and safely. The service should only be performed by a qualified technician who is familiar with ULP gas systems and refrigerators.

REPLACING THE HEATER

The heat necessary for the operation of an absorption cooling unit is supplied by an electric heater mounted in a pocket of the boiler system.

The refrigerator is equipped with two electrical heaters, one for 230-240 V AC and one for 12 V DC.

To replace the heater proceed as follows:

1. Unplug the refrigerator power cord from the 230-240 volt AC outlet. Disconnect the optional 12 V DC leads.
2. Shut off gas valve.
3. Remove the terminal block cover.
4. Disconnect the heater leads.
5. With a pair of pliers unfold the lug holding the lid of the boiler casing and open the lid.
6. Remove some insulation wool so that the heater is accessible.
7. Turn and lift the heater out of its pocket.
8. Fit the new heater into the pocket.
9. Connect the leads and put on the terminal block cover.
10. Put back the insulation and close the lid of the boiler.

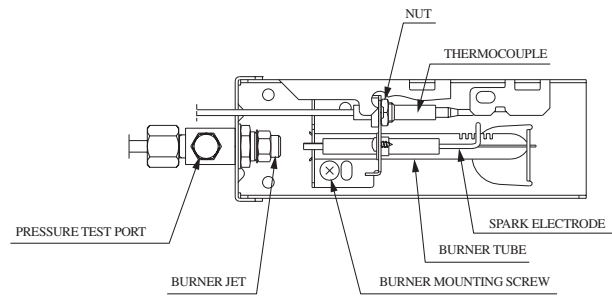
PERIODIC MAINTENANCE

CHECKING THE CONNECTIONS

Check all connections in the ULP gas system for gas leaks. The LP gas supply must be turned on. Apply a non-corrosive bubble solution to all ULP gas connections. **The appearance of bubbles indicates a leak and should be repaired immediately by a qualified serviceman.**

CHECKING THE ULP GAS PRESSURE

The ULP gas pressure should be checked and the main regulator readjusted if pressure is incorrect. The correct operating pressure is 2,7 kPa. The correct place to measure the ULP gas pressure is at the test port just ahead of the burner jet.



CLEANING THE FLUE AND BURNER

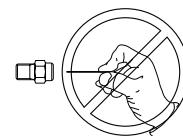
Inspect the flue baffle. It should be reasonably clean and free of soot. Heavy soot formation indicates improper functioning of the burner.

The flue and burner both require cleaning in the following manner:

1. Unplug the refrigerator power cord from the 230-240 volt AC outlet.
2. Disconnect or shut off the 12 volt DC power to the refrigerator.
3. Turn manual shutoff valve to OFF.
4. Remove cover from the burner housing.
5. Disconnect the wire from the high voltage electrode.
6. Remove the burner mounting screw and remove the burner assembly.
7. Remove the wire and flue baffle from the top of flue tube.
8. Clean the flue from the top using a flue brush. Blowing compressed air into the flue will not properly clean soot and scale out of the flue tube.
9. Replace the flue baffle.
10. Clean burner tube with a brush. Blow out burner with compressed air.

WARNING

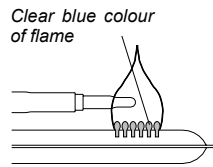
Do not use a wire or pin when cleaning the burner jet as damage can occur to the precision opening. This can cause damage to the refrigerator or create a fire hazard.



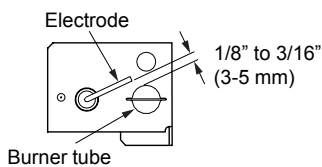
11. Before removing burner jet, clean burner area of soot and scale that fell out of flue tube. Remove the burner jet.

- Soak the jet in wood alcohol and blow it out with compressed air. Reinstall and tighten burner jet.

The colour of the flame shall be clear blue over the slots of the burner.



- Reinstall burner, being careful that the end of the burner fits into the slot on the burner bracket. Check to make sure slots are centered under the flue tube and the thermocouple is positioned properly (tip of thermocouple extends over two slots of burner).
- Be sure to reconnect the wire to high voltage electrode. Check the electrode for proper location and gap.



- Turn on manual gas shutoff valve and check all fittings for leaks with soapy water.
- Connect 230-240 volt power cord to the outlet and reconnect or turn on the 12 volt DC power.
- Check ULP gas safety shutoff.

TROUBLESHOOTING

REFRIGERATOR DOES NOT COOL PROPERLY

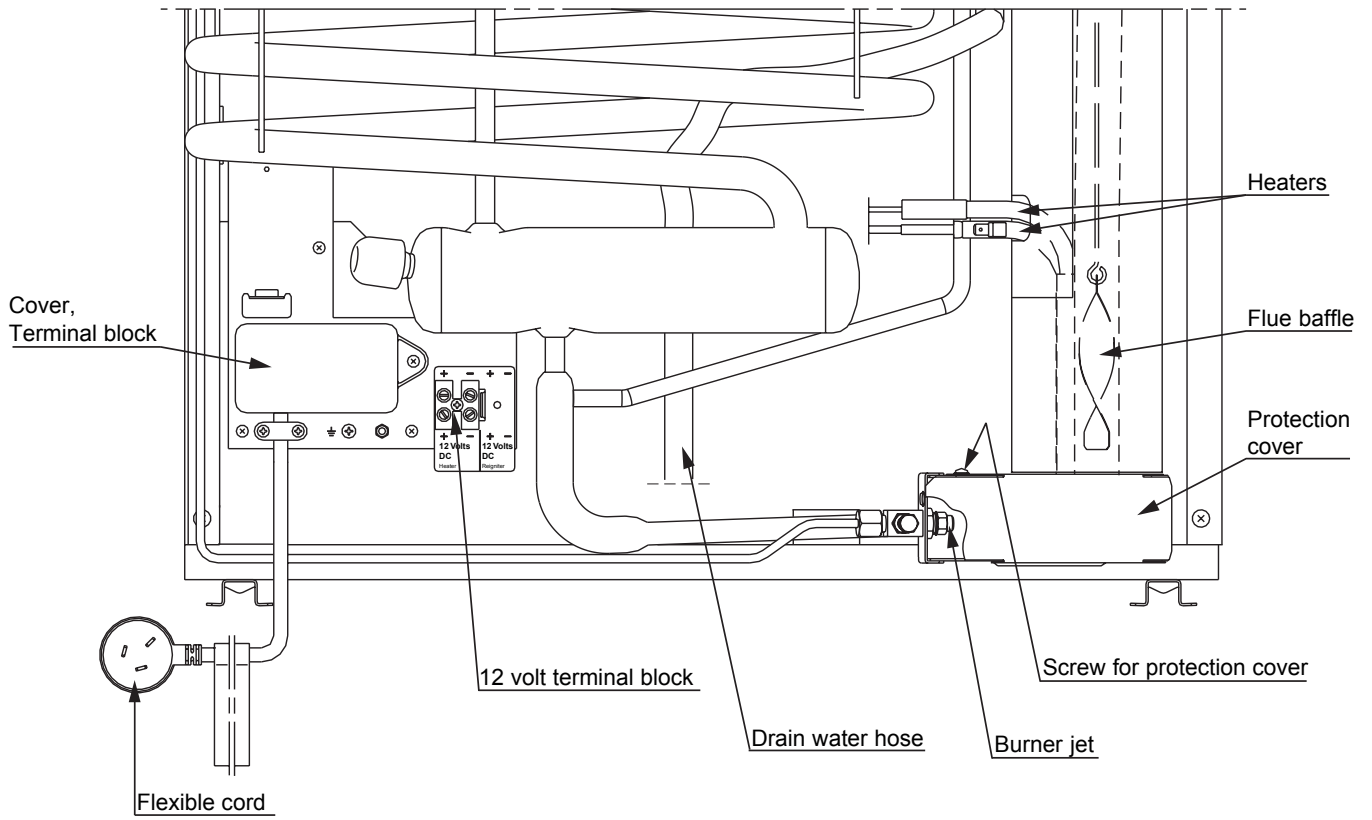
- Burner jet clogged.
- Check level of refrigerator.
- Venting problem.
- Heavy frost buildup on evaporator fins.
- Flue baffle not inserted properly in flue tube.
- Improperly set thermostat.
- Burner dirty.
- ULP gas pressure low at burner.
(Set main regulator so pressure does not drop below 2,75 kPa at pressure port.)
- Burner not located properly under flue tube.
- Burner damaged.

ODOUR FROM FUMES

- Dislocated burner
- Damaged burner
- Dirty flue tube

APPENDIX

REARVIEW EQUIPMENT



WIRING DIAGRAM

