

INSTALLATION

GENERAL INSTRUCTION

This appliance is designed for storage off foods and storage of frozen foods and making ice.

This appliance must be installed by an authorised person and conform to all relevant local authorities.

The appliance shall be installed in accordance with the manufacturer’s installation instructions, local gas fitting regulations, municipal building codes, electrical wiring regulations, the AS 5601 Gas Installations, and any other relevant statutory regulations.

The refrigerator must be installed on a solid floor and must be level. With the vehicle carefully levelled, the refrigerator should level both ways in the freezer compartment. (More about levelling is to be found under the heading “Operating instructions”).

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

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

DATA PLATE

Check the data plate, inside the refrigerator, to ensure that you have received the right model.

The right gas pressure is 2,7 kPa.

The right voltage is 230 - 240 volt.

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

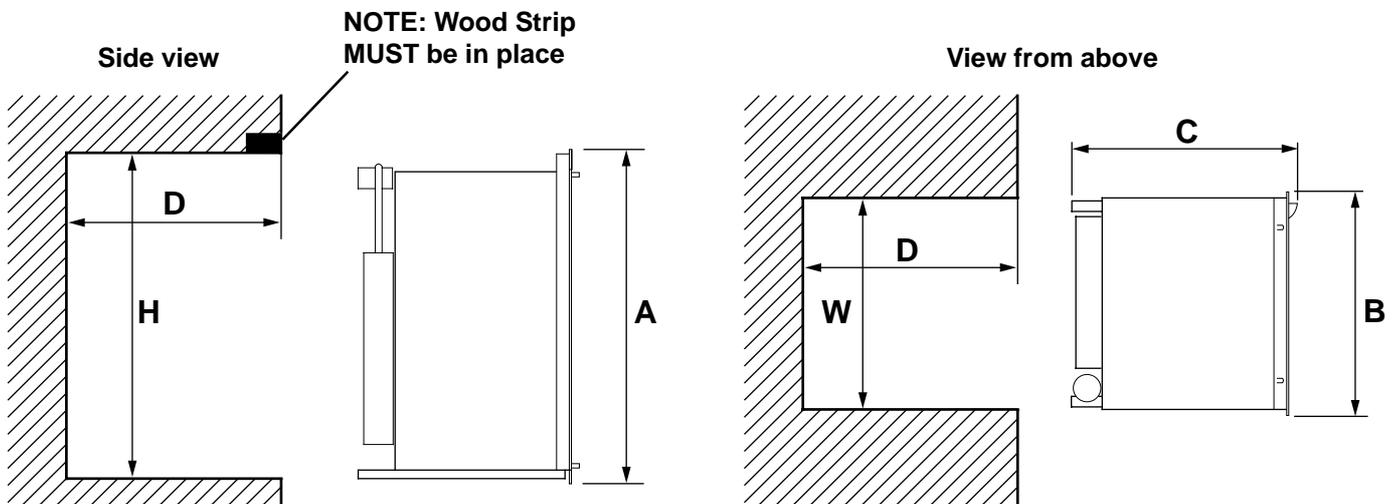
Model designation

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.

FIG. 3



Refrigerator Model	Overall Dimensions			Recess Dimensions		
	Height A	Width B	Depth C	Height H	Width W	Depth D
RM 2453 mm	948	632	627	928	602	610
RM 2553 mm	1104	632	627	1083	602	610

This methods of installation and these clearances will give you adequate space for service and proper installation.

INSTALLING REFRIGERATOR IN ENCLOSURE

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.

NOTE: 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. See FIG. 3 page 3.

The refrigerator must be installed in a substantial enclosure and must be level. 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. A length of sealing strip is applied to the rear surface of the front frame for this purpose, see FIG. 4. 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.

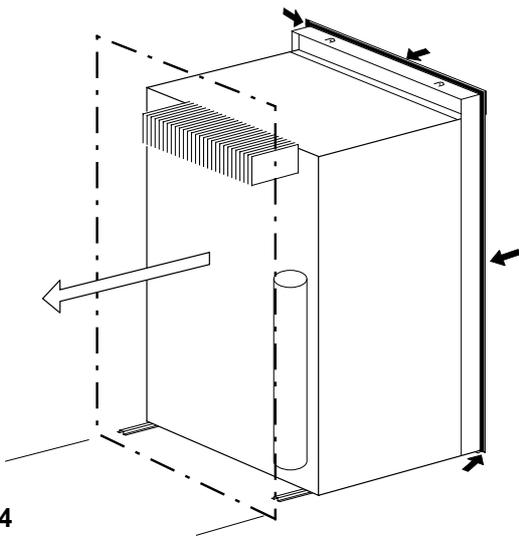


FIG. 4

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). The screws have to be installed in the following order:

STEP 1: Two screws installed through the front base, which includes the lower front strip installation.

The refrigerator is provided with a lower front strip (shipped as a loose part). The front strip is to be attached after the refrigerator is set into the cut-out opening.

1. Install the lower front strip by sliding it under the bottom hinge plate, as shown in FIG. 5. The hinge plate can be on the right or left side depending on the door swing.

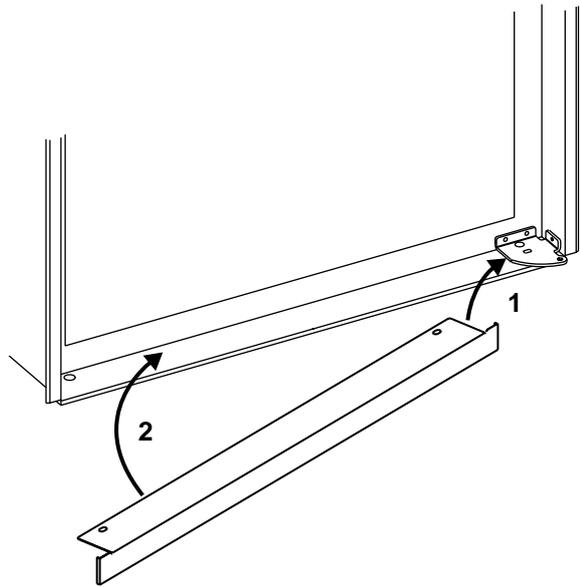


FIG. 5

2. Once the lower front strip is slipped under the hinge, the part is possible to swing into place as shown in FIG. 6.

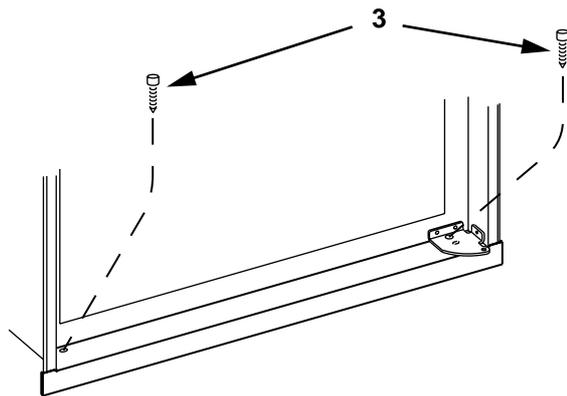


FIG. 6

3. 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. (FIG. 6).

STEP 2: Two screws installed in the top frame.

The top decoration panel must be removed from the refrigerator before the screws can be installed. Open the door and gently push the tabs out of the hole in the hinge with a flat blade screwdriver, (both sides). See FIG. 7.

Carefully tilt the top decoration panel and lift up to remove from 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.

! WARNING

DO NOT use a flame to check for gas leaks.

The gas supply system must incorporate an approved gas pressure regulator to maintain a supply pressure of 2,75 kPa .

When testing the gas supply system at test pressures in excess of 1/2 psi, the refrigerator and its individual shutoff valve must be disconnected from the gas supply piping system.

When testing the gas supply system at pressures less than or equal to 1/2 psi, the appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve.

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

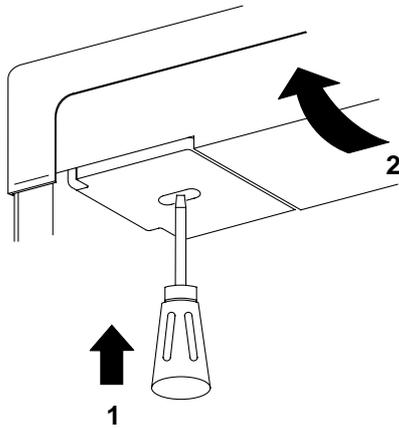


FIG. 7

Replace the top decoration panel.
Make sure the tabs snap back into the holes in the hinge plate.

STEP 3: Two screws installed in the rear base.

See FIG. 8.

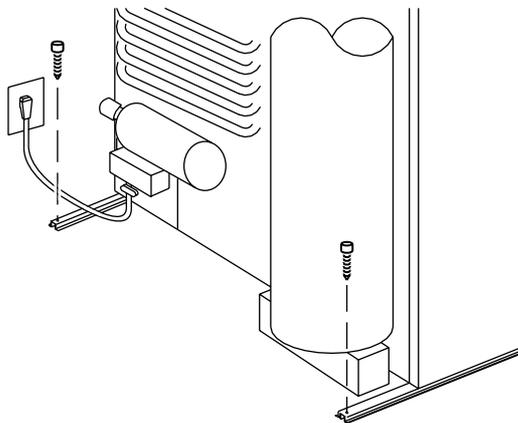


FIG. 8

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.

LP GAS CONNECTION

The refrigerator is designed for operation on LP-gas, the pressure of which must be 2,7 kPa for Propane. Check that this is stated on the data plate.

The refrigerator is not designed for operation on town gas or natural gas.

Hook up 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. All completed connections should be checked for leaks with soapy water.

TESTING LP GAS SAFETY SHUTOFF

The gas safety shutoff must be tested after the refrigerator is connected to the LP gas supply.

To test the gas safety shutoff, proceed as follows:

1. Start the refrigerator according to the instructions for LP Gas Operation. See section Operating Instructions.
2. 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).
3. Close the gas valve by turning the knob **A** back to "OFF" position.
4. Wait for one minute.
5. Remove protection cover (see FIG. 1). Open the gas valve by turning knob **A** to position "GAS" without pushing the buttons **C** and **D**. Apply a non-corrosive commercial bubble solution to the burner jet. Be careful not to damage the burner jet.
6. 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.
7. If no bubbles were present at the burner jet, the gas safety valve is working properly. Rinse jet thoroughly with fresh water before proceeding. Be careful not to damage the burner jet.

Replace the protection cover and turn the main switch OFF and back ON. See instruction for LP Gas Operation , section Operating Instructions. Normal operation of the burner should return. Allow the burner to operate for a minimum of 5 minutes.

ELECTRICAL CONNECTION

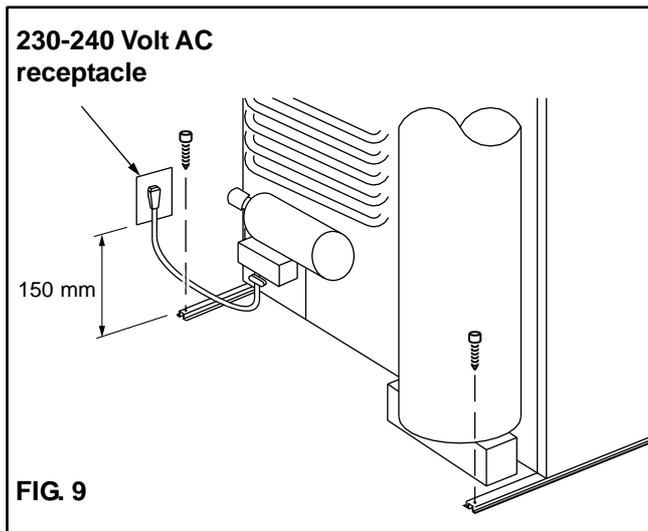
230-240 Volts AC Connection

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 mains voltage in use (230-240V).

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 three-prong receptacle. DO NOT cut or remove the grounding prong from this plug. The free length of the cord is 1.8 m and therefore recommended that the receptacle be located to the left side of the refrigerator (viewed from the rear) and approximately 150 mm from the floor. (See FIG. 9). This allows easy access through the vent door. 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.



12 Volts 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. (See FIG. 1).

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.

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.

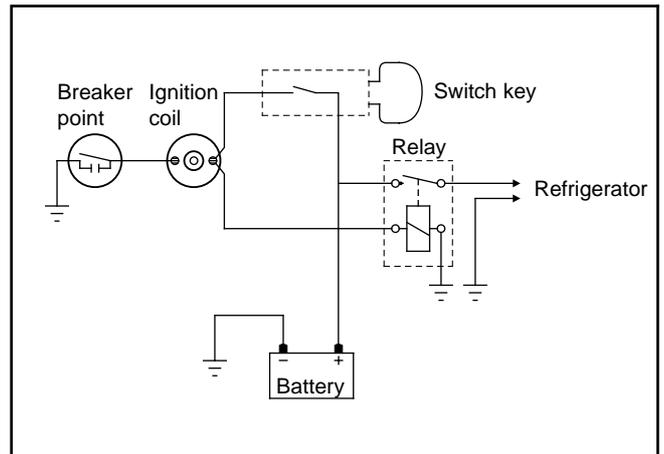
MAXIMUM TOTAL CONDUCTOR WIRE LENGTH (in metre)

Wire length	min.wire size
5 m	4 mm ²
8 m	6 mm ²

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

! CAUTION

DO NOT operate the refrigerator on 12 volt when the vehicle is parked. The amperage draw of the 12-volt DC heating element can discharge a battery in a very short time. The installation of a 12-volt 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 volt DC power to the refrigerator when the ignition is turned off. (See FIG. below).



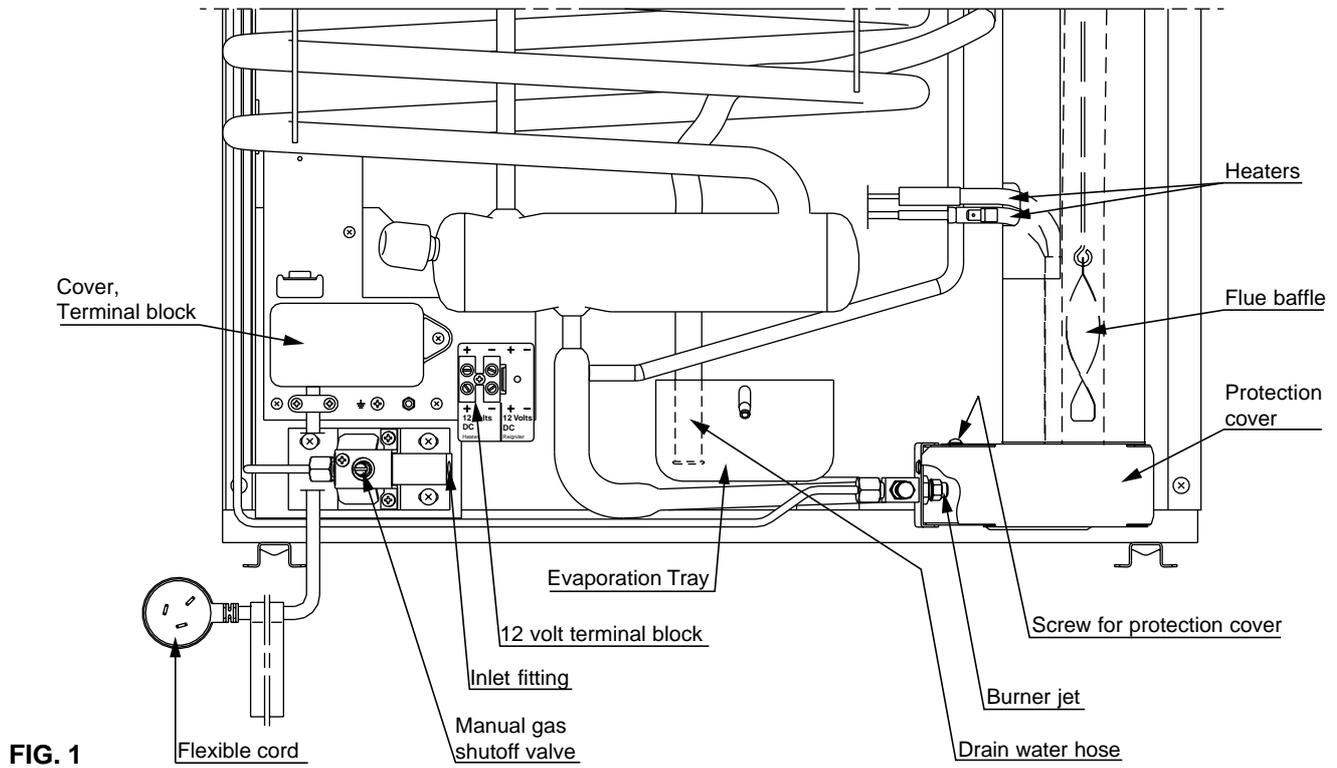
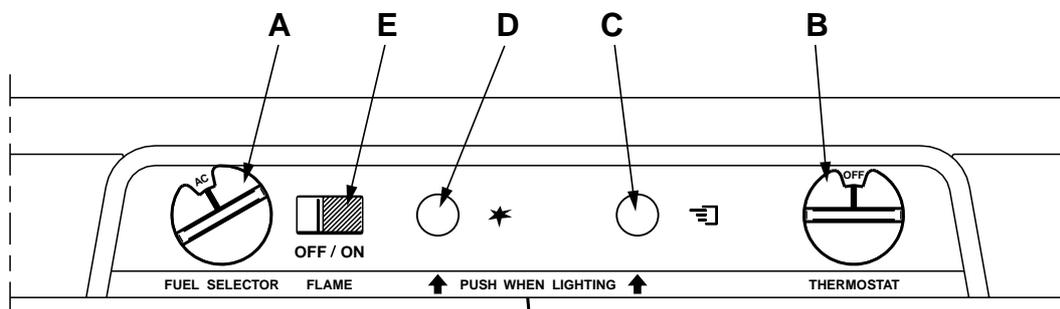


FIG. 1

Refrigerator control panel



LEGEND

- A. ON/OFF, Fuel Selector Switch
- B. Thermostat Knob, Gas/Electric
- C. Flame Failure Safety Valve Push-button
- D. Piezo Igniter
- E. Flame Indicator

FIG. 2

