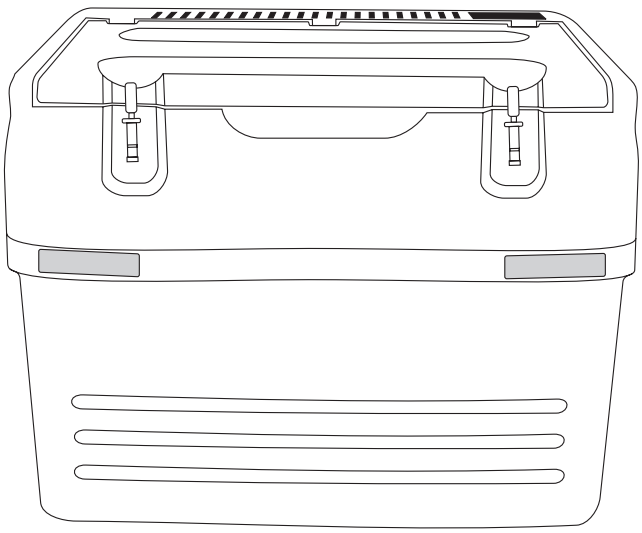
DOMETIC PTY. LTD.

Combi Box 3 Way Fridge & Freezer

RC1180



Operating Instructions

AUS

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Please read these operating instructions carefully before putting the refrigeration unit into operation. If you later sell or dispose of it, please ensure that the new owner receives these operating instructions.

Thank you for choosing our appliance. We are sure it will provide you with trouble-free use.

In the following, we would like to familiarise you with some symbols, which we bring to your attention to ensure the safe and efficient operation of the appliance:

source of danger, in event of improper operation

suggested useful tips to read

information concerning environmental protection

The RC1180 you have purchased is designed for operation on 240 Volt electrical mains, from a 12 Volt battery or from bottled (LP) gas.

Important!

Do not operate this appliance in any unvented enclosed areas such as tents or motor vehicles. Fresh air circulation must be available to the unit at all times.

Important!

Only operate this appliance on one energy source at a time.

CONTENTS

1. Unpacking

After removal from the cardboard packaging, make sure the appliance is not damaged. If you find damage to the appliance resulting from transport, report it immediately to the transportation firm.

2. View of the appliance

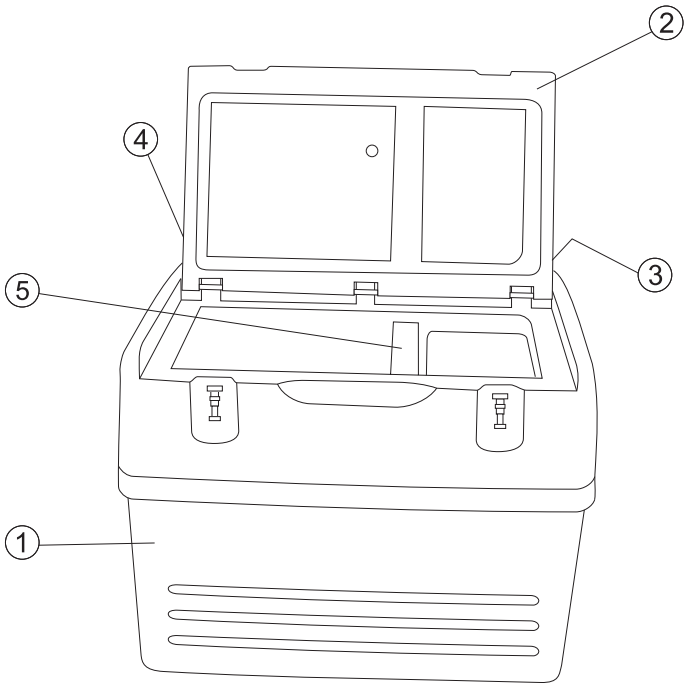

Figure 1.

1. insulated casing
2. insulated lid
3. control panel
4. grill
5. removable divider

3. Cleaning

Clean both the inside and outside of the appliance before putting it into use.

- To do so, use a soft towel, lukewarm water and a non-abrasive detergent. Ensure water does not enter the rear cover grill or the control panel.
- Afterwards, wipe the appliance with a clean towel and cleanwater, and then wipe it dry.
- To avoid damage, do not use soap, soda or abrasive cleaners.

4. Positioning the appliance

During the refrigeration process, the appliance gives off heat from the condenser (under the upper part of the rear cover) into the surrounding air. The more ventilated the condenser is, the more effective the refrigeration will be.

- For maximum performance the appliance must be level at all times when operating. If the appliance is operating in a moving vehicle, the amount of the refrigeration will be slightly less than if the appliance is level in a stationary position.This is caused by the movement of the vehicle impairing the flow of the refrigerant within the unit.
- It is important that the appliance is not directly exposed to radiated heat (sunlight, radiator, near an oven, etc.).

5. Using the appliance

The cable for 240 Volt mains connection, the 12V connection and the gas inlet are located on the rear cover of the RC1180 (Figure 2).

5.1. Operating from 240 Volt electrical mains

Make sure the voltage shown on the data plate of the appliance matches that of the mains voltage to which you wish to connect the appliance. Pull out the mains connecting cable and connect it to a receptacle earthed socket for connection.

When connecting the appliance for the first time, set the thermostat to maximum; then, after about five hours, set it back towards minimum, according to your cooling needs.

NB: Plug is provided according to specific regulations in each country and may be different to that shown.

Figure 2.

5.2. Operating from 12 Volt vehicle battery

Make sure the voltage shown on the data plate of the appliance matches the voltage of the vehicle battery (12V).

In 12V operation, the appliance runs continuously without temperature control.

The appliance is supplied with a matching pair of 12 Volt MALE + FEMALE plugs (see 9,2 connection to vehicle power source).

For 12V operation, make sure, if the engine is not running, that the switch is turned off. Otherwise, the appliance will discharge the vehicle battery when in operation.

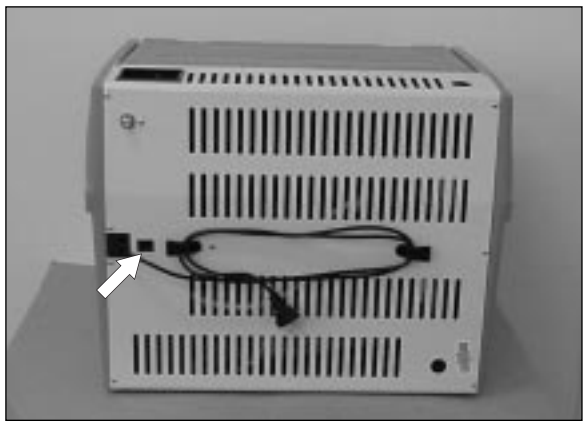

Figure 3.

5.3. Operating from LP bottled gas

Connection to the gas cylinder is described in sections 9.3. and 9.4.

After opening the valve of the gas cylinder and checking for gas leaks (Figure 4) turn thermostat to maximum position, press down the gas safety valve and at the same time, press the piezo-ignition button (marked with a star) several times in quick succession. If the flame does not ignite, repeat the process. (Air in the appliance gas line prior to connection to the gas cylinder must be purged. Only then can the gas be lit.)

Ignition of the flame can be verified through the flame-view opening (Figure 5). After you have the flame alight keep the safety gas valve pressed down for a further 10 seconds.

Figure 4.

Figure 5.

6. Useful suggestions

- When setting out on a trip, run the appliance on 240 V for 24 hours prior to departure. Place food in a pre-cooled condition into the appliance.
- Frost forms on the evaporator panel when in operation. When opening the lid or putting in food, some of this frost melts and collects in the form of water on the bottom of the appliance. Wipe the water off occasionally using a sponge.
- Avoid putting foods with fragile packaging (such as glass) into the refrigeration unit. Movements and shaking of the unit may cause these items to break.
- Once the RC1180 is in its permanent position, make sure foods do not come into contact with the evaporator panel, as this can cause freezer-burn to the foods.
- The appliance is not operated on 12 Volts when your vehicle is parked, otherwise you will drain the battery in a short time.
- Only one power source is used at a time to run the appliance.

7. Defrosting, cleaning and maintenance

For defrosting, always unplug the appliance from an electrical power source to avoid the risk of shock. Make sure no other power source is connected (gas or 12V). Remove food from the refrigeration unit and leave the lid open. Depending on the temperature, frost melts in a short time from the evaporator panel, with water collecting at the bottom of the appliance. Wipe it off using a towel. Afterwards, clean the appliance by following the instructions in section 3. Leave the lid ajar to prevent any odours from forming. The appliance is serviced depending on use, at least once a year by an authorised service agent.

8. Trouble shooting

Before calling a service technician please check carefully the operating instructions, service booklet and the warranty terms and conditions:

- Are location and ventilation satisfactory?
- Is the appliance level?
- Is there a current in the wall socket and is the connection suitable for the appliance?
- Is the mains power cable damaged?
- For mains operation, is the electric thermostat swiched on?
- For gas operation, was the safety valve knob pressed down long enough?
- Is the thermostat knob set towards the maximum position?
- Is the gas cylinder or the pressure regulator valve open?
- Is there any gas in the cylinder? (If by shaking, no liquid movement can be detected, then the cylinder is empty.)
- Is more than one power source connected (such as gas or electricity)?
- Was warm food placed in the unit?
- Was a large quantity of food put in at one time?

9. Putting into operation

⚠ You must, in all instances, operate the appliance from a single energy source only. Connecting several energy sources at the same time will cause failure of the appliance.

Technical data:

Model	RC1180
Gross volume	50 litre
Refrigerator volume	30 litre
Freezer volume	16 litre
Removable Divider volume	4 litre
Mains operation	240V (AC)
Input	120W (0,5 Amps)
Energy consumption	2.1 kWh/24h
Battery operation	12V (DC)
Input	120W (10 Amps)
Energy consumption	240Ah/24h
Gas pressure (p)	2.75kPa (11” water gauge)
Gas type	LP
Jet size	28
Gas consumption	0,833 Mj/h
Climate class	N
Refrigerant	550g NH_3 Absorption

9.1 Connecting to 240 Volt electrical mains

Make sure no other energy source is connected (gas, 12V).

The appliance may only be operated from nominal voltage mains as shown on the data plate. The appliance mains plug may be connected to a mains socket earthed in accordance with regulations.

9.2 Connecting to 12 Volt vehicle battery

Make sure no other energy source is connected (gas, 240V).

The 12V female socket is on the backwall of the appliance, while the male plug is an accessory supplied with your new RC1180.

Connect the wires from the 12 Volt battery to the male plug (see recommended 12 Volt wiring for vehicle). Secure earth wire firmly (Polarity is not important). See fig. 6.

Attention: Connection to the positive pole may only be made through a 16A fuse!

The 12V operation is cut off by disconnecting the plug.

Push the fixing tab with a screw-driver as can be seen in fig. 7. after that the plug can be disconnected.

Recommended 12 Volt wiring for vehicle:

Two wires must be run direct to the battery one to each terminal. These wires must be no less than 6 mm^2 auto cable and kept to a practical minimum length. A 16 Amp fuse must be fitted in the positive lead as close as practical to the battery terminal. A 16 Amp switch may be fitted in a convenient position to switch the current on or off to the appliance.

All electrical connections must be of good quality to avoid voltage drop.

Note: it is NOT recommended to run this 12 Volt appliance from a 12 Volt cigarette lighter outlet.

Figure 6.

Figure 7.

9.3 Connecting to LP gas cylinder

Make sure no other energy source is connected (240V, 12V).

The unit must not be connected to town or natural gas pipelines. It is only suitable for use with propane gas.

The RC1180 is equipped for a specific gas-pressure, 2.75kPa (11" w. g.) . The rating-plate states the pressure that is correct. It is important that a non-adjustable pressure-regulator is used to reduce the pressure in the gas cylinder to the operating pressure specified on the rating-plate. No other pressure may be used.

Needle valve-operated gas control taps are NOT suitable for use with this appliance and must not be used as a substitute for a pressure regulator.

9.4 Connection of gas supply

Always connect in the following sequence:

GAS BOTTLE → PRESSURE-REGULATOR → → APPLIANCE.

- To connect the pressure regulator to the gas bottle, the valve of the gas bottle must be closed. Connect the pressure regulator to the bottle by screwing firmly. The pressure regulator must be compatible for propane 11" water gauge. (2.75KPA)
- To connect the appliance to the regulator an approved flexible gas hose must be used, this hose should be of a minimum length. Connect the gas hose to the Pressure Regulator by screwing, ensure this is a gas tight connection.
- When fitting the gas hose from the pressure regulator to the appliance be sure to use two spanners one to hold the gas connection at the back of the appliance to avoid straining and possible damage.(Fig. 8)

The gas bottle (Propane) may only be used in an upright position and particular care must be taken every time the appliance is connected to the gas bottle to ensure that there are no leaks, that the tubing (rubber hose) is not under tension or kinked, and that it is not in contact with hot surfaces.

The tubing and the gas bottle should always be located in positions where they will not be tripped over or otherwise inadvertently disturbed.

Before attempting to light the burner, every time after connection, turn on the gas at the bottle and check the gas connections for leaks by applying a soap and water solution over them and watching for bubbles, which would indicate a leak.

After testing dry off traces of detergent.

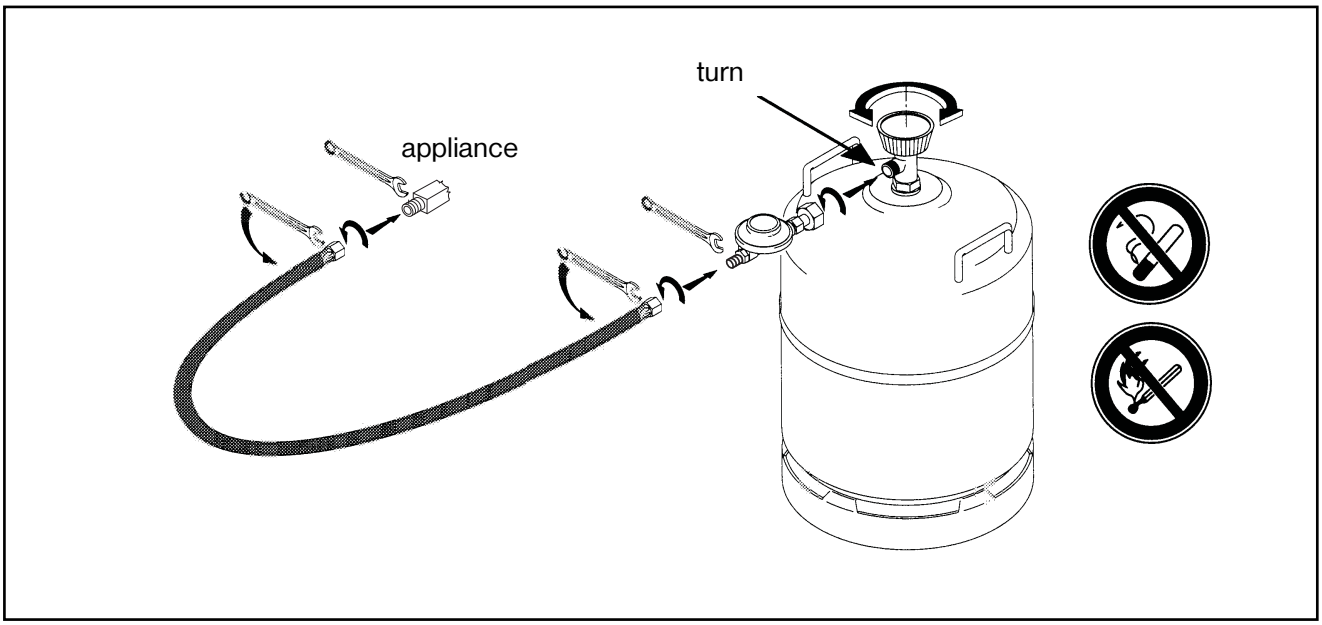

Figure 8.

For your safety:
Do not check for leaks with a naked flame! Do not smoke while checking for leaks!

10. Environmental protection information

The appliance does not contain any CFCs.

Ammonia (natural hydrogen and nitrogen compound) is used as a refrigerating agent in the refrigeration unit.

The ozone-friendly cyclopentane is activated as a motive agent for the PU foam insulation.

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

11. Recycling

After unpacking the appliance, the packing materials should be delivered to a local collection site. At the end of its useful lifetime, the appliance should be delivered to a specialised collection and reprocessing firm, which reclaims the usable materials. The rest is properly destroyed.

This appliance complies with the following EEC directives:

LVD-Directive	73/23/EEC with amendment 90/683/EEC
EMC-Directive	89/336/EEC
Gas-Directive	90/396/EEC.

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