Cabinet Refrigerators/ Freezers

Instruction manual



Model:

G590-A/G591-A/GD879-A/GD880-A

Safety Tips

- Position on a flat, stable surface.
- A service agent/qualified technician should carry out installation and any repairs if required. Do not remove any components or service panels on this product.
- Consult Local and National Standards to comply with the following:
  - Health and Safety at Work Legislation
  - Fire Precautions
  - Wiring Regulations
  - Building Regulations
- DO NOT use jet/pressure washers to clean the appliance.
- DO NOT use the appliance outside.
- DO NOT use this appliance to store medical supplies.
- DO NOT use electrical appliances inside the appliance (e.g. heaters, ice cream makers etc.)
- DO NOT stand or support yourself on the base, drawers or doors.
- DO NOT allow oil or fat to come into contact with the plastic components or door seal. Clean immediately if contact occurs.
- Bottles that contain a high percentage of alcohol must be sealed and placed vertically in the refrigerator.
- Always carry, store and handle the appliance in a vertical position and move by holding the base of the appliance.
- Always switch off and disconnect the power supply to the unit before cleaning.
- Keep all packaging away from children. Dispose of the packaging in accordance with the regulations of local authorities.
- If the power cord is damaged, it must be replaced by a POLAR agent or a recommended qualified technician in order to avoid a hazard.

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- Polar recommend that this appliance is PAT tested on an annual basis to ensure the product remains safe.



Caution Risk of Fire

- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.



Warning: Keep all ventilation openings clear of obstruction. Unit should not be boxed in without adequate ventilation.

- **Warning:** Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- **Warning:** Do not damage the refrigerant circuit.
- **Warning:** Do not use electrical appliances inside the food storage compartments of the appliance, unless they are the type recommended by the manufacturer.

Product Description

G590-A - 440 litre Single Door Stainless Steel Refrigerator
G591-A - 440 litre Single Door Stainless Steel Freezer
GD879-A - 960 litre Double Door Stainless Steel Refrigerator
GD880-A - 960 litre Double Door Stainless Steel Freezer

Introduction

Please take a few moments to carefully read through this manual. Correct maintenance and operation of this machine will provide the best possible performance from your POLAR product.

Pack Contents

The following is included:

- POLAR Refrigerator or Freezer
- Keys x 2
- Shelf guides x 6 (Single) / x 12 (Double)
- Floor guards (1 per door)
- Shelves
  G590-A/G591-A x 3
  G879-A/G880-A x 6
- Waste water tray
- Instruction manual

POLAR prides itself on quality and service, ensuring that at the time of packaging the contents are supplied fully functional and free of damage.

Should you find any damage as a result of transit, please contact your POLAR dealer immediately.

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Installation

Note: If the unit has not been stored or moved in an upright position, let it stand upright for approximately 12 hours before operation. If in doubt allow to stand.

1. Remove the appliance from the packaging. Make sure that all protective plastic film and coatings are thoroughly removed from all surfaces.
2. Maintain a distance of 20cm (7 inches) between the unit and walls or other objects for ventilation. **NEVER LOCATE NEXT TO OR NEAR A HEAT SOURCE.**

Note: Before using the appliance for the first time, clean the shelves and interior with soapy water.

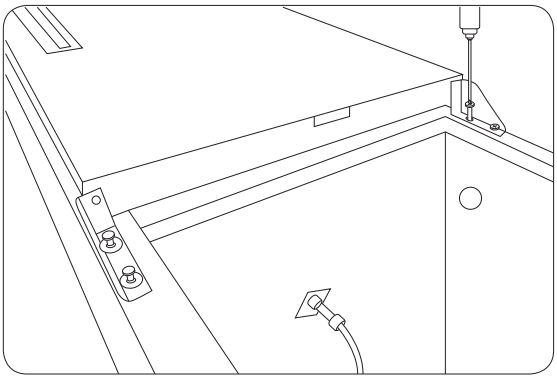
3. Set the brakes on the castors to keep the appliance in position.

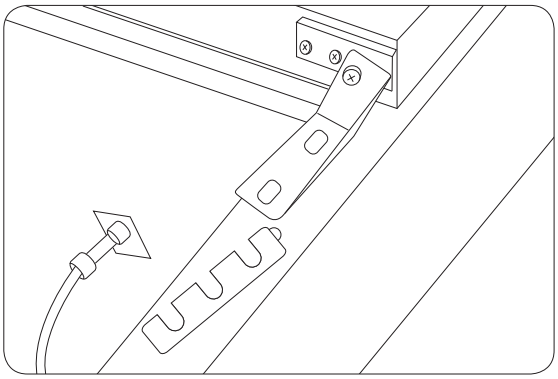
Reversing the door

Depending on the location of the appliance, it may be necessary to change the direction the door opens by changing the side of the door handle.

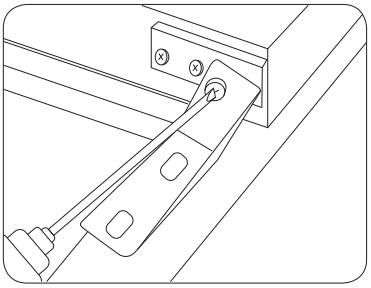
To reverse the door handle:

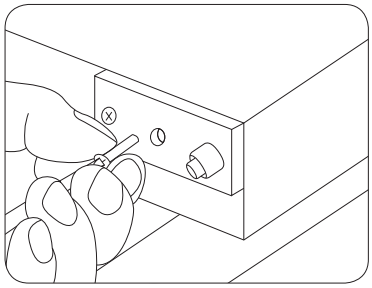
1. The door handle is on the left side. Disassemble the right lower hinge and left lower hinge.

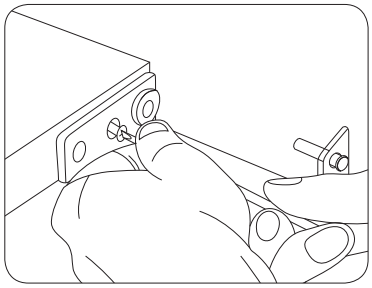




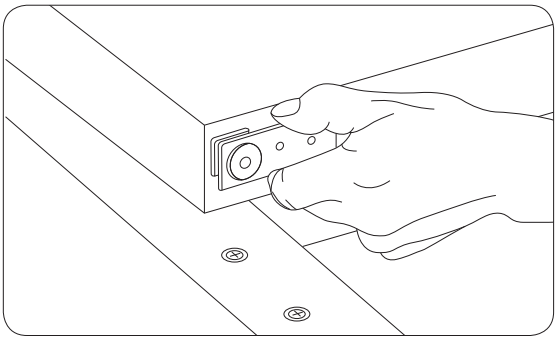
2. Use the spare hinge provided and secure it on the L/H side.

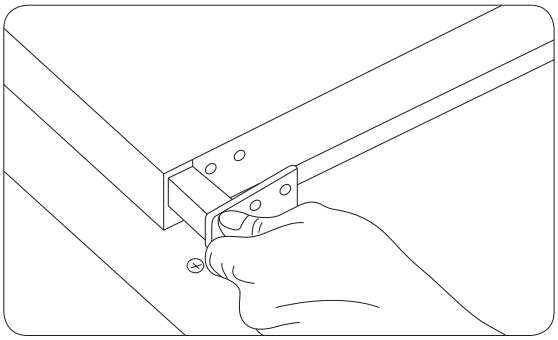




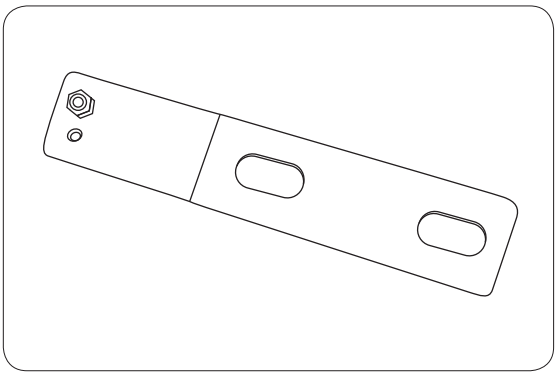


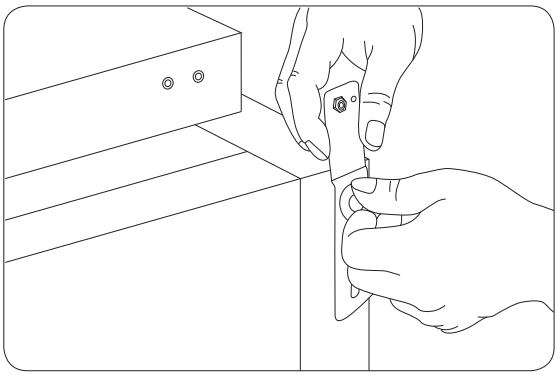
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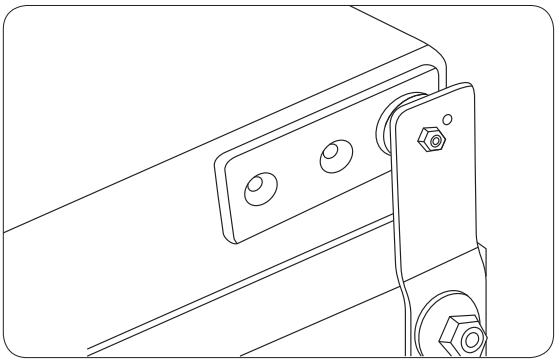


3. Disassemble the upper hinge then install it on the left side.

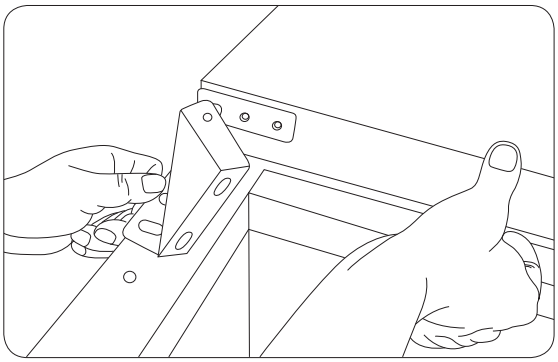




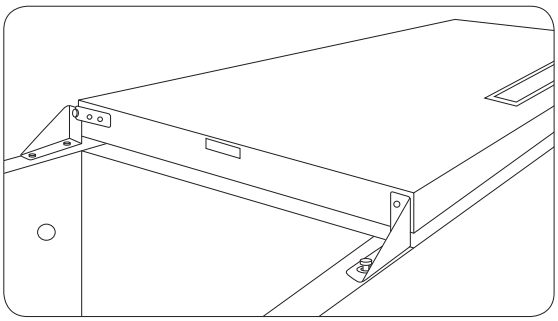
4. Reverse the door and install the left upper hinge.



5. Install the left lower hinge.



6. Now the door handle is installed on the right side.



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Lock/Unlock the Doors

A lock is fitted to the doors to ensure foodstuffs are kept secure within your POLAR appliance.

Use the keys provided to lock/unlock the doors.

Fitting the Waste Water Tray

The waste water tray comes ready to fit to the underside of the appliance.

Slide the tray into the runners situated under the appliance.

Fitting the Shelves & Floor Guards

1. Place one set of shelf guides on either side of the cabinet at the desired height.
2. Slide the shelf into place.
3. Repeat for the remaining shelves.
4. Place the floor guards on the floor of the cabinet, ensuring the flat side is clear of the floor.

Note: This is vital for ensuring correct drainage of condensation.

Operation

Storing Food

To get the best results from your POLAR appliance, follow these instructions:

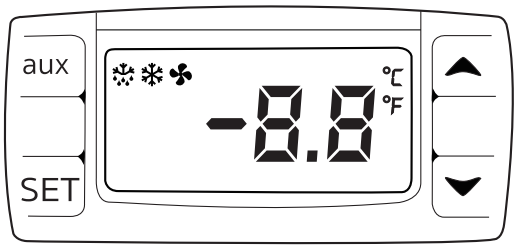
- Only store foodstuffs in the appliance when it has reached the correct operating temperature.
- Do not place uncovered hot food or liquid inside the appliance.
- Wrap or cover food where possible.
- Do not obstruct the fans inside the appliance.
- Avoid opening the doors for prolonged periods of time.

Turn On

1. Ensure the power switch is set to [**O**] and turn on at the socket.
2. Switch on the Power [**I**]. The current temperature within the appliance is displayed.

Control Panel

To unlock / Lock the keyboard press ▲ and ▼ together for 3 seconds. Display will flash PON (unlocked) / POF (locked).



Set the Operating Temperature

1. Press the **SET** button. The display will flash.
2. Press the ▲ or ▼ buttons to display the required temperature.
3. Press the **SET** button to store the temperature.

Manual Defrost

Press and hold the defrost button "**aux**" for 2 seconds to begin a manual defrost. The defrost light illuminates.

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Cleaning, Care & Maintenance

Defrost appliance at least every 3 months, more often if required.

Switch off and disconnect from the power supply before cleaning.

- Clean the interior of the appliance as often as possible.
- Do not use abrasive cleaning agents. These can leave harmful residues.
- Clean the door seal with warm soapy water.
- Always wipe dry after cleaning.
- Do not allow water used in cleaning to run through the drain hole into the evaporation pan.
- Take care when cleaning the rear of the appliance. Sharp edges can cut.
- A POLAR agent or qualified technician must carry out repairs if required.

Stainless Steel Care

To maintain the stainless steel exterior of your Polar item, please consider the following information:

Never:

- Use abrasive Scourers or scrubbing pads, etc.
- Use Chlorinated or acidic detergents
- Allow anything e.g. food, dirt, cleaning chemicals to remain on the surface for longer than necessary, clean them off right away.
- Allow the surface to remain wet.

Do:

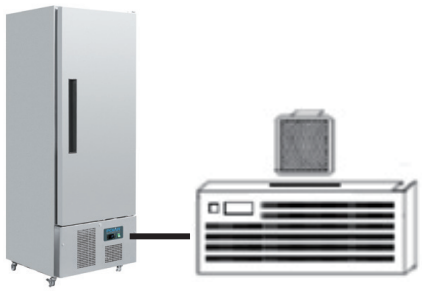
- Clean often.
- Use soft Cloths or plastic Scourers.
- Rub with the grain of the metal, rather than across it.
- Use detergents and polish designed for cleaning Stainless Steel.
- Ensure that the cleaning products are washed off fully and that the steel is left dry.

Routine Maintenance

Cleaning the Condenser

- The condenser is part of the refrigeration system. The condenser requires monthly cleaning.
- Always disconnect power supply before carrying out Routine Maintenance.
- Failure to clean the condenser will reduce the performance and life of your Polar unit and may invalidate your warranty.

The condenser is located below the refrigeration cabinet. These models have a removable filter which can be cleaned with a vacuum cleaner.



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Troubleshooting

If your POLAR appliance develops a fault, please check the following table before making a call to the Helpline or your POLAR dealer.

Fault	Probable Cause	Solution
The appliance is not working	The unit is not switched on	Check the unit is plugged in correctly and switched on
	Plug and lead are damaged	Call POLAR agent or qualified Technician
	Fuse in the plug has blown	Replace the fuse
	Power supply	Check power supply
	Internal wiring fault	Call POLAR agent or qualified Technician
The appliance turns on, but the temperature is too high/low	Too much ice on the evaporator	Defrost the appliance
	Condenser blocked with dust	Clean the Condenser
	Doors are not shut properly	Check doors are shut and seals are not damaged
	Appliance is located near a heat source or air flow to the condenser is being interrupted	Move the refrigerator to a more suitable location
	Ambient temperature is too high	Increase ventilation or move appliance to a cooler position
	Unsuitable foodstuffs are being stored in the appliance	Remove any excessive hot foodstuffs or blockages to the fan
	Appliance is overloaded	Reduce the amount of food stored in the appliance
The appliance is leaking water	The appliance is not properly levelled	Adjust the screw feet to level the appliance (if applicable)
	The discharge outlet is blocked	Clear the discharge outlet
	Movement of water to the drain is obstructed	Clear the floor of the appliance (if applicable)
	The water container is damaged	Call POLAR agent or qualified Technician
	The drip tray is overflowing	Empty the drip tray (if applicable)
The appliance is unusually loud	Loose nut/screw	Check and tighten all nuts and screws
	The appliance has not been installed in a level or stable position	Check installation position and change if necessary

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Technical Specifications

Model	Voltage	Power	Current	Temperature Range
G590-A	230V 50Hz	300W	1.8A	-2°C to 8°C
G591-A	230V 50Hz	600W	4.0A	-10°C to -20°C
GD879-A	230V 50Hz	600W	4A	-2°C to 8°C
GD880-A	230V 50Hz	700W	3.3A	-10°C to -20°C

Model	Capacity (litres)	Gross Volume (litres)	Refrigerant	Dimensions H x W x D mm	Weight (kg)
G590-A	313	440	R134a 230g	1950 x 680 x 700	125
G591-A	313	440	R404A 390g	1950 x 680 x 700	125
GD879-A	671	960	R134a 320g	1950 X 1340 x 700	165
GD880-A	671	960	R404A 450g	1950 x 1340 x 700	165

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Electrical Wiring

The plug is to be connected to a suitable mains socket.

This appliance is wired as follows:

- Live wire (coloured brown) to terminal marked L
- Neutral wire (coloured blue) to terminal marked N
- Earth wire (coloured green/yellow) to terminal marked E



The appliances must be earthed.

If in doubt consult a qualified electrician.

Electrical isolation points must be kept clear of any obstructions. In the event of any emergency disconnection being required they must be readily accessible.

Compliance



The WEEE logo on this product or its documentation indicates that the product must not be disposed of as household waste. To help prevent possible harm to human health and/or the environment, the product must be disposed of in an approved and environmentally safe recycling process. For further information on how to dispose of this product correctly, contact the product supplier, or the local authority responsible for waste disposal in your area.



POLAR parts have undergone strict product testing in order to comply with regulatory standards and specifications set by international, independent, and federal authorities.

POLAR products have been approved to carry the following symbol:



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Every effort is made to ensure all details are correct at the time of going to press, however, POLAR reserve the right to change specifications without notice.

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DECLARATION OF CONFORMITY

Equipment Type	**Refrigerator Single Door Upright St/St - 440Ltr** **Freezer Single Door Upright St/St - 440Ltr** **Double Door Slimline Freezer** **Double Door Slimline Refrigerator**
Model	**G590-A** **G591-A** **G879-A** **G880-A**
Legislation	**Electrical Safety** **Electromagnetic Compatibility**
Standards	EN60335-1:2012 +A11:2014 EN60335-2-89:2010 EN55014-1:2006 +A1:2009 +A2:2011 EN55014-2:1997 +A1:2001 +A2:2008 *EN55014-2:2015 EN61000-3-2:2014 EN61000-3-3:2013 *EN61000-3-11:2000 (* only apply to GD880-A)
Producer Name	**Polar**
Producer Address	**15 Badgally Road,** **Campbelltown,** **NSW 2560**

I, the undersigned, hereby declare that the equipment specified above conforms to the above Legislation and Standard(s).

Date	**10th July 2017**
Signature	
Full Name	**Ashley Hooper**
Position	**Technical & Quality Manager/ Responsible Supplier**

POLAR
REFRIGERATION

http://www.polar-refrigerator.com/

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