

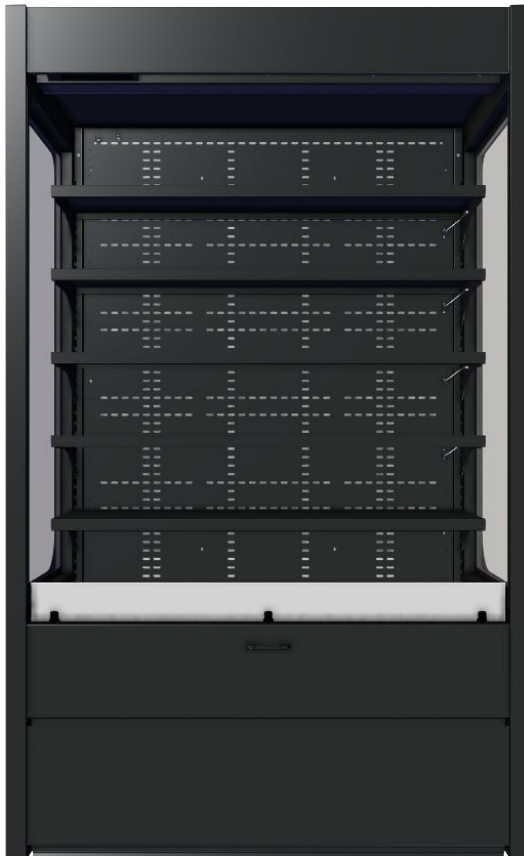


The Refrigeration Experts

User Manual

Starbucks Multideck Display Chiller

FMPRO1200B



Four Steps

to extend the life of your appliance

1

Getting to know your new Foster appliance



2

Installation



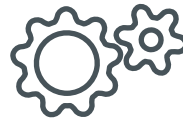
3

Using the appliance



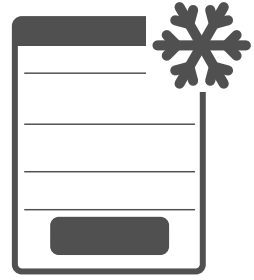
4

Maintenance



1

Getting to know your new Foster appliance



These instructions should be retained and made accessible to personnel using the appliance. The instructions should be read thoroughly prior to appliance installation. Failing to follow the advice contained in this manual may result in damage to the appliance and personal injury to the operator.

All installations **must** conform to local governmental and municipal legislation and the Machinery Directive 2006/42/EG. In case of doubt contact the Foster Technical Department or your supplier. The information contained in this manual can be changed without prior notice.



CAREFUL – DANGER

Ignoring this sign and remarks may result in personal danger.



CAREFUL – DANGER

Ignoring this sign and remarks may result in damage to your appliance.



INFORMATION

Useful hints to make the best use of your appliance.

Climate Class

Climate class indicated on the serial plate shows the ambient temperature & humidity at which this appliance has been tested, for the purposes of establishing values in line with European standards.

The climate class of this product is 3 which relates to an ambient temperature of 25°C and a relative humidity of 60%.

Warranty

Your appliance is supplied with a 12 months parts and labour warranty subject to conditions.

Electrical Safety

This equipment shall be connected to an electrical supply protected by a Residual Current Device (RCD). This may include a residual current circuit breaker (RCCB) type socket, or through a Residual Current Circuit Breaker with overload protection (RCBO) supplied circuit.

Should it be necessary to replace the fuse, the replacement fuse must be of the value stated on the serial label for the appliance.

General Safety

- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Keep all ventilation openings in the appliance or in the structure of a built in unit clear of any obstructions.
- Do not use electrical appliances inside the storage compartment.
- Do not use steam cleaners, pressure washers or other jets/sprays of water on or around the cabinet.
- This appliance is heavy. When moving the appliance care should be taken and correct safe practices followed. The appliance should not be moved over uneven surfaces.
- The emitted sound level of this appliance is not greater than 70dB(A).
- To ensure stability the appliance should be located on a flat, level surface, correctly loaded.
- Do not use mechanical devices to accelerate the defrost process.
- Care should be taken not to damage the refrigeration circuit and/or system.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazards.
- Care should be taken to avoid prolonged contact with cold surfaces by unprotected body parts, correct PPE must be used at all times.

Disposal Requirements

This product contains components and materials which can be harmful to the environment if not disposed of correctly. Disposal of this product should be carried out by a suitably licensed waste contractor in accordance with national laws and regulations which may be in force at the time.



2

Installation



Removal of packaging

Prior to carrying out this operation please ensure that these instructions have been read, understood and that the necessary personnel and tools are available to ensure that these instructions are complied with. It is also recommended that a full assessment of the installation conditions and requirements be conducted prior commencing this operation.

Tools and Equipment Required:

A sharp retractable blade, knife or scissors

Pliers or cutters suitable to cut hard plastic

Lifting and moving equipment - Ensure that the instructions and guidance for such equipment are understood and followed.



The FMPRO1200B weighs up to 220kg when empty and requires a minimum of 4 people to carry out these instructions.



Never lift more weight than you are comfortable with. Any lifting should be carried out using correct lifting techniques.

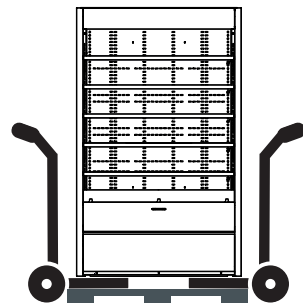


Never stand directly in line or under the cabinet if it is leaning at an angle.

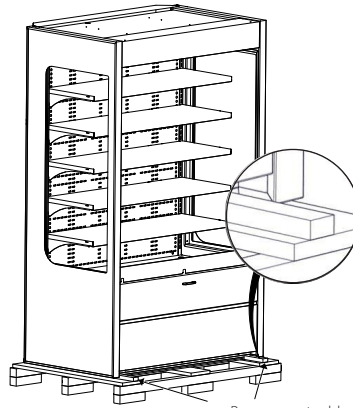


The appliance should not be manoeuvred on uneven surfaces. Do not manoeuvre the appliance without assistance.

- 1 Remove outer plastic and cardboard. Take care not to damage the appliance with any sharp objects used to remove the packaging.
- 2 Position the lifting and moving equipment at each side of appliance and secure as instructed in the User Manual for your equipment. Take care not to damage the appliance with any securing straps or clamps. If devices such as these are used place some protective material between the device and the appliance.

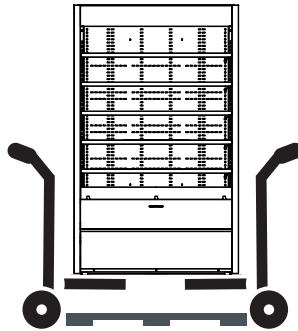


- 3 Remove the castor blocks from the pallet.

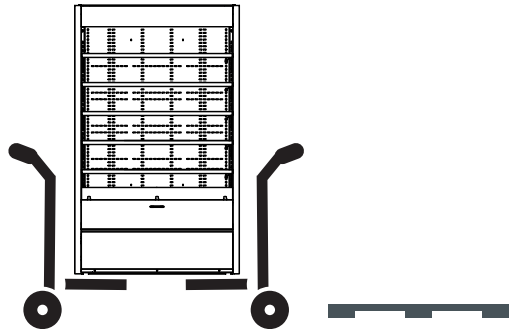


Remove castor blocks from pallet

- 4 Lift the appliance clear of the pallet.



- 5 Remove the pallet. Ensure that the pallet and packaging are now disposed of in an appropriate way in accordance with any local regulations for waste disposal.



- 6 Using the lifting and moving equipment, position the appliance as required.

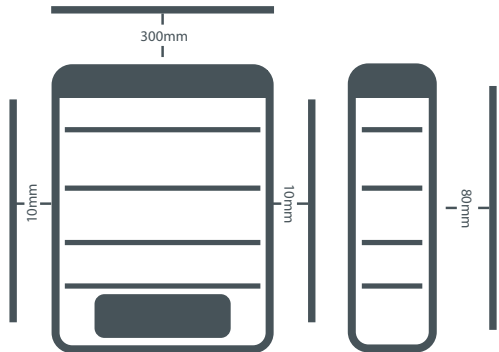
Start-Up and Test Sequence

After unpacking remove all protective plastic film from surfaces, clean (refer to cleaning instructions in this manual) and allow the appliance to stand for 60 minutes before turning on.

- △ Position the appliance with care on a level, flat, solid surface area.
- △ Avoid 'direct air' from devices such as air conditioners or open doors and windows blowing directly into the front of the appliance. This can affect the temperature performance.



- △ The appliance produces warm air when operating normally and requires adequate ventilation. The dimensions indicated are a minimum.

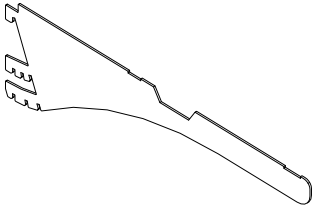


- ⚠ Connect the appliance to a suitable power supply. Do not connect or disconnect the appliance with wet hands. The appliance will turn on automatically displaying the actual internal temperature of the appliance. If the display shows 'OFF' press and hold button 4 for 4 seconds to turn on the appliance (refer to section 3 of these instructions).
- ⚠ As the operating temperature has been pre-set no adjustments are required. Allow the cabinet to reach its normal operating temperature before loading with product.

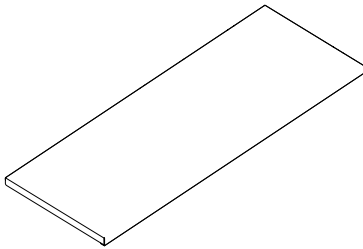
Note - The temperature displayed will not always be the temperature set in the controller and will take some time to arrive within range following initial start up and/or product changes.

Lights and Shelf Assembly Instructions

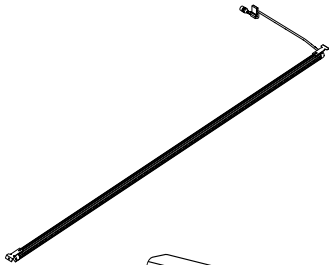
- 1 Remove all shelves, lights and fittings from the interior of the cabinet.
- 2 Check that you have the correct quantity of the components.



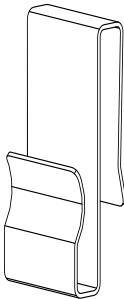
Shelf Supports x10



Shelf x5

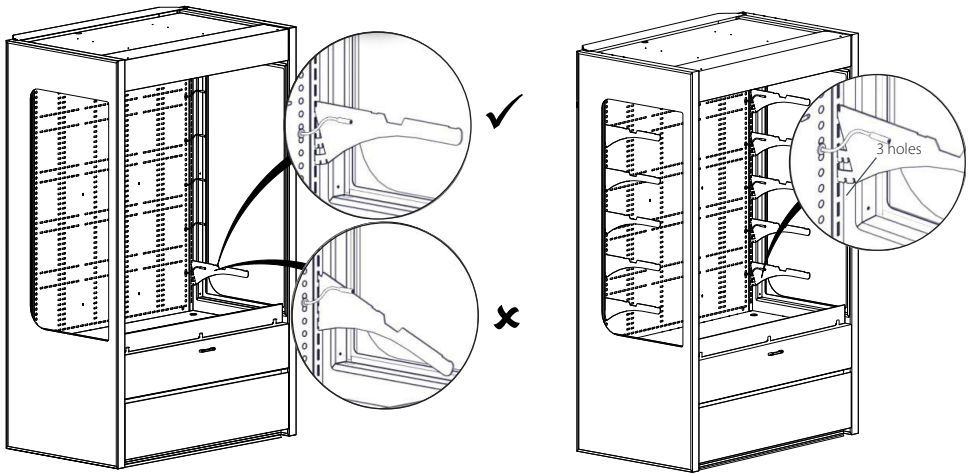


Light assembly x5

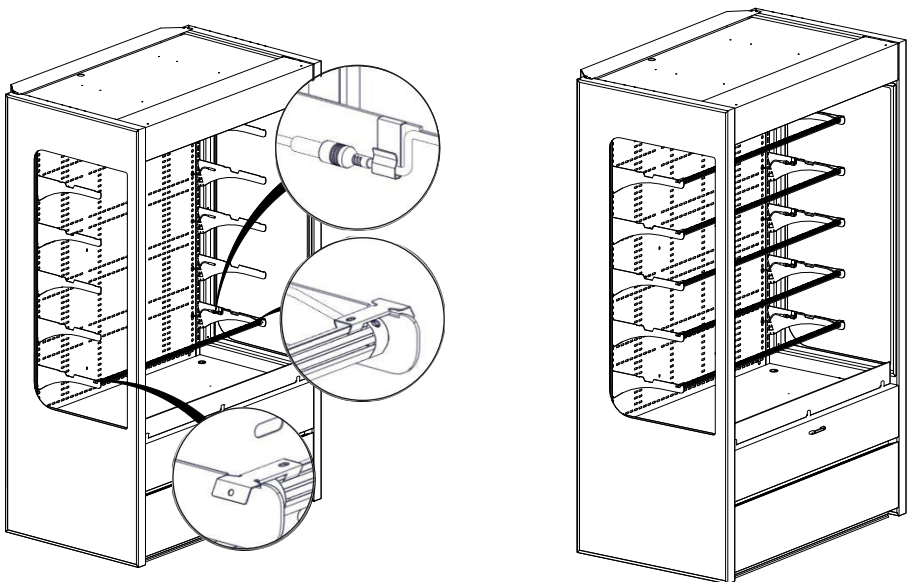


Cable Retainer Clip x5

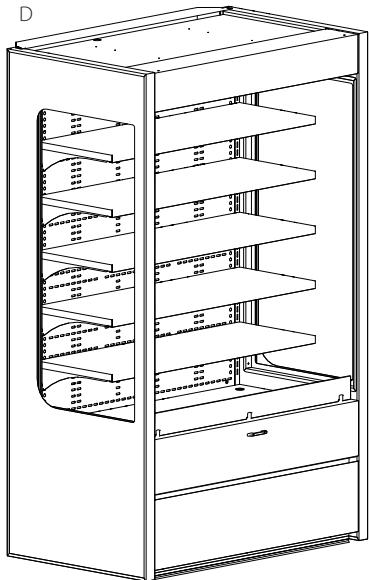
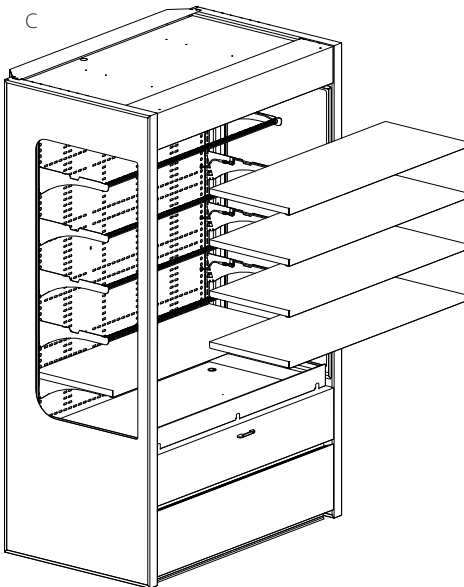
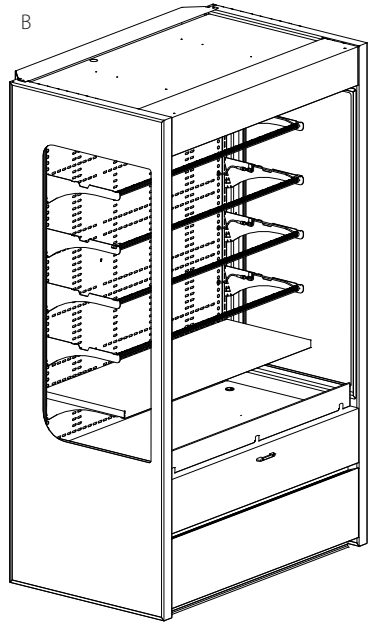
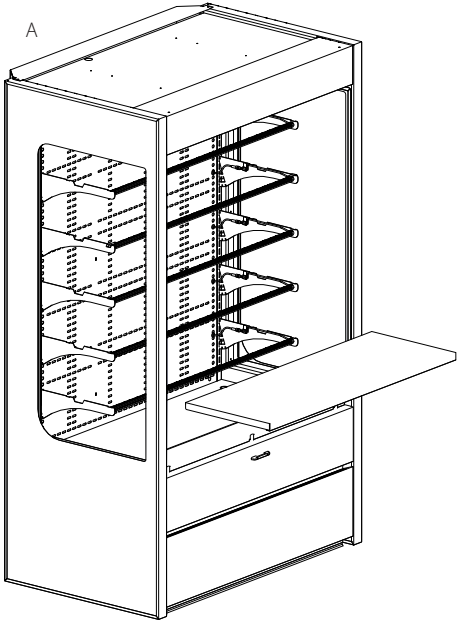
3 Fit the shelf supports as indicated ensuring that the brackets are in the horizontal position.



4 Fit the light assemblies as indicated. Ensure that the cable is secured using the cable retainer clip.



5 Fit shelves over shelf supports and light assemblies.

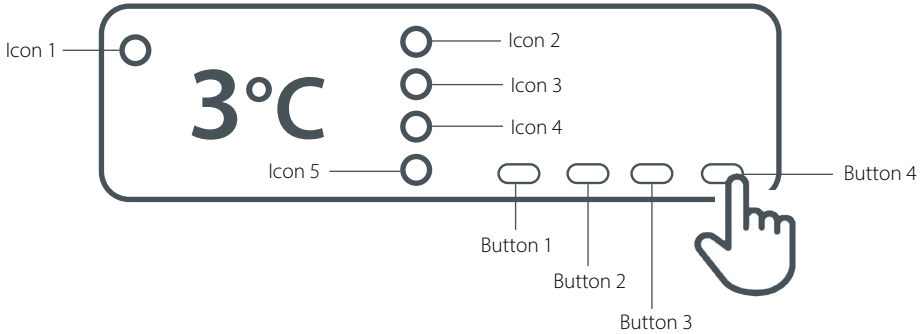


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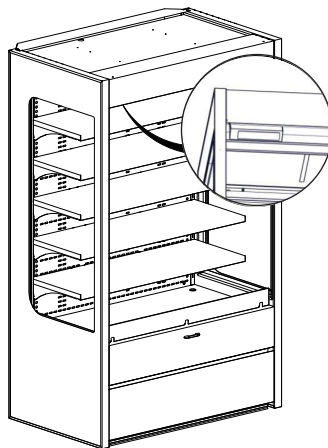
Using the appliance



Display Icons and Buttons



Icon		Button	
1	Alarm Warning	1	Info & Set Point
2	Thermostat Output Active	2	Manual Defrost & Decrease
3	Fan Output Active	3	Increase value and light switch
4	Defrost Output Active	4	Standby/Exit
5	Light on		



The controller is located at the top of the appliance as indicated.

Standby

Pressing button 4 for 3 seconds will turn the unit on or into standby. When in standby the display will show 'oFF'; and the internal temperature of the appliance when operating normally.

Set Point

The appliance is pre-set to a temperature of 3°C to optimise food preservation. Adjusting this temperature may result in a reduction of product life.

To display the appliance Set Point, with the display showing the temperature, press and hold button 1.

To amend the Set Point press and hold button 1, then while keeping button 1 pressed use buttons 2 or 3 to set the desired value.

If the set point cannot be adjusted to the value required please contact your dealer for advice. Note: The set point should not be lowered below 1°C.

When button 1 is released the new value will be stored automatically.

Keypad Security Settings

We advise that this function is used to prevent unauthorised adjustment of the appliance and it's operating temperature.

Press and release button 1 until the display shows 'Loc'. Then press and hold button 1 to show the current lock condition of the temperature controller. 'Yes' indicates locked, 'no' indicates unlocked. Using buttons 2 or 3 change the display to either lock or unlock the controller as required.

Release button 1 and wait 10 seconds or press button 4 once to resume normal operation.

Lighting

Lighting operation

The light is operated using the button indicated in the 'Display Icons and Buttons' section of this manual.

Shelves, Supports, Loading and Air Flow

Each shelf is capable of holding up to 50kg of product evenly distributed.

Product should be positioned within the confines of the shelf area.

Do not block air vents with product or labelling. A minimum space of 75mm should be maintained between the top of the product and the shelf above.

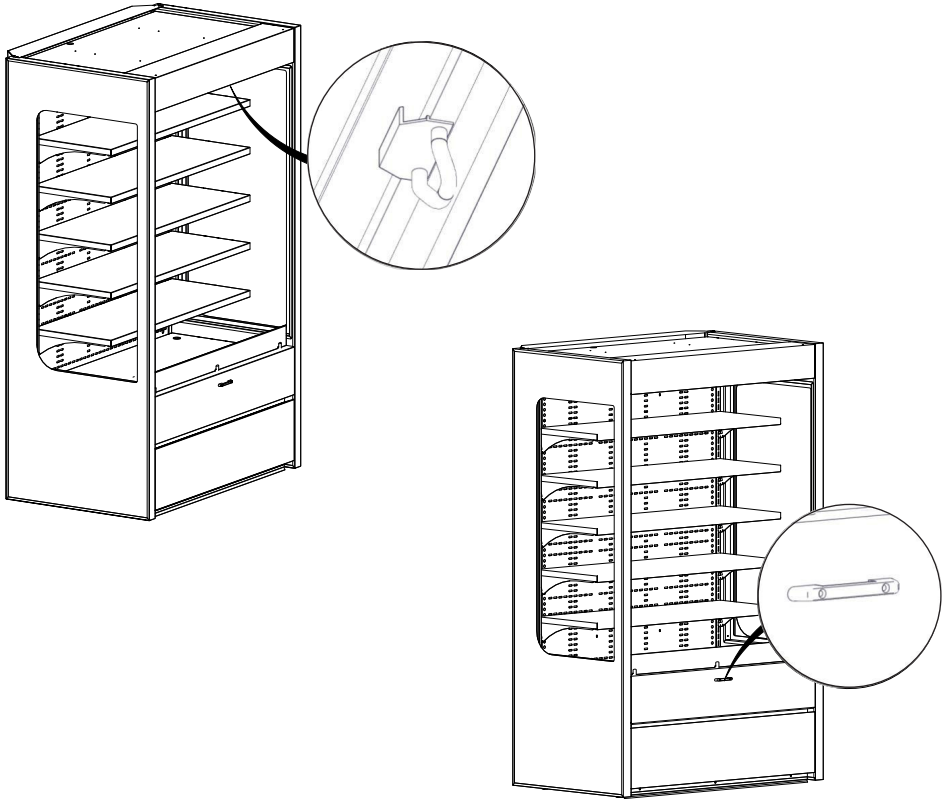
When loading product on the base of the appliance do not block or obstruct the ventilation grill at the front of the base.



Shutters and Nightblinds

The nightblind should be closed while the appliance is not in use or in non-trading hours. The nightblind is located in the ceiling of the appliance.

To extend the nightblind carefully pull the handle and secure the handle to the fixing on the front of the appliance.



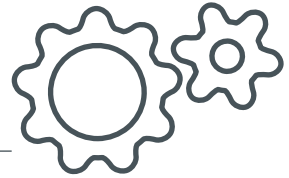
Defrost

Multideck models have an automatic defrost function and will defrost periodically each day without any user intervention. This process is normal and does not affect product stored in the appliance. During defrost the appliance can be used as normal.



4

Maintenance



Cleaning and Maintenance

IMPORTANT: This appliance is heavy. When moving the appliance care should be taken and correct safe practices followed. Prior to cleaning ensure that the correct PPE is available and utilised and that the appliance is switched off and disconnected from the power supply. Do not disconnect or connect the appliance from the power supply with wet hands. Following cleaning, only when the appliance is dry should the cabinet be reconnected to the power supply and switched on.



Cleaning should be carried out periodically as required depending on application.

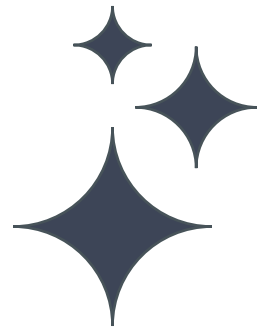
Switch off the product, disconnect from the power supply and remove all products, racking and shelves. Care should be taken with the racking and shelves being inspected for any signs of damage resulting in sharp edges and ensure that body parts do not come into contact with cold surfaces.

Wash all internal and external surfaces with a mild liquid detergent diluted as per the manufacturer's instructions. Rinse surfaces with clean water and dry thoroughly.

Never use wire wool, other abrasive substances, high alkaline cleaning agents or high acid content (e.g. bleach, acid or chlorine) as they can damage the product.

When the cabinet has been cleaned and dried, refit the racking and shelves.

Re-connect the appliance to the power supply adhering to the previous guidelines above. Switch the appliance on and allow it to reach it's normal operating temperature before re-loading product.

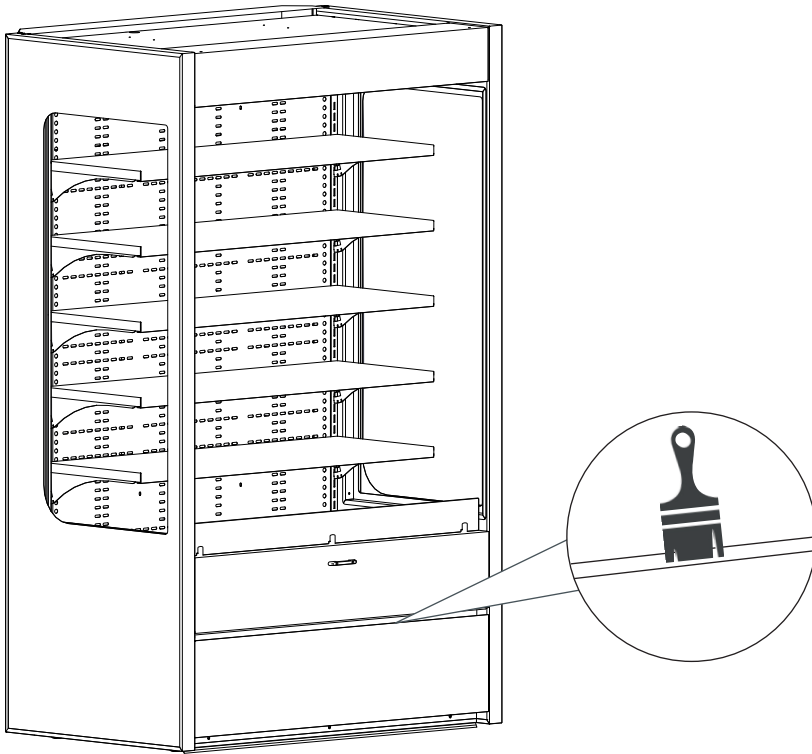


Cleaning

Condenser Air Intake

Use a soft brush or vacuum cleaner to remove loose dust and dirt from the condenser air intake. The condenser itself should be cleaned periodically as described in the 'Regular Maintenance' section of this manual.

Regular cleaning of the condenser increases energy efficiency and prolongs the life of your appliance.



Shelves

The shelves and supports can be removed for cleaning. The shelves should be cleaned with warm soapy water then rinsed and dried. Prior to removing the shelves or shelf supports the appliance should be switched off and disconnected from the power supply. Care should be taken when removing the shelves so as not to damage the light assembly. If the shelf supports are being removed, this should be carried out after first removing the light assembly. Note: The light assemblies are not suitable to be washed in the same manner as the shelves. They can, however be wiped with a damp cloth. Care should be taken not to make the light electrical connection wet. Prior to reassembly it should be ensured that the light electrical connection is dry.

Regular Maintenance

Where the regular cleaning regime previously described does not remove dirt or grease deposits from the condenser, it should be cleaned by a competent engineer. We recommend that an engineer service the appliance every 6 to 12 months and the condenser is cleaned every 3 months to maintain your warranty and ensure optimal performance of your appliance. We recommend that Service is carried out by an authorised Foster agent or by contacting Foster Service using the contact details in the rear of this manual.

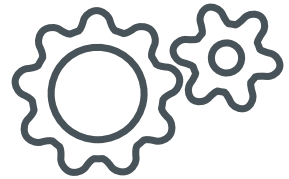
The period of maintenance will vary depending on location conditions and the required period can be advised by your authorised Foster agent during the initial visit following installation.



Troubleshooting

Alarms/Warnings:

During operation the current temperature inside the appliance will be displayed. At certain times this will change to indicate a particular cabinet operation or fault. The indicators you may see are as follows:



dEF - Defrost in progress. This is normal and your appliance will carry out a defrost periodically through each 24 hours. The contents of the appliance will be unaffected by this operation.

oFF - The appliance is switched off in standby. Turn the appliance back on to resume temperature control.

hI - Check that the air flow inside of the appliance is not obstructed by excessive or poor loading of product. The alarm will reset if the temperature falls to a normal level and can be silenced for a short period by pressing any button once. If this fails please contact your authorised dealer or Foster Service.

E1 - This indicates that the internal temperature probe has failed. Call your authorised dealer or Foster Service to arrange for this to be replaced. During this time the appliance cannot maintain an accurate temperature and all product should be removed and the appliance switched off.

E2 - This indicates that the evaporator temperature sensor has failed. Call your authorised dealer or Foster Service to arrange for this to be replaced. During this time the appliance may not defrost correctly which may result in impaired performance and increased energy consumption.

E3 - This indicates that the display probe has failed. The temperature of the appliance will not be displayed. Call your authorised dealer or Foster Service to arrange for this to be replaced.

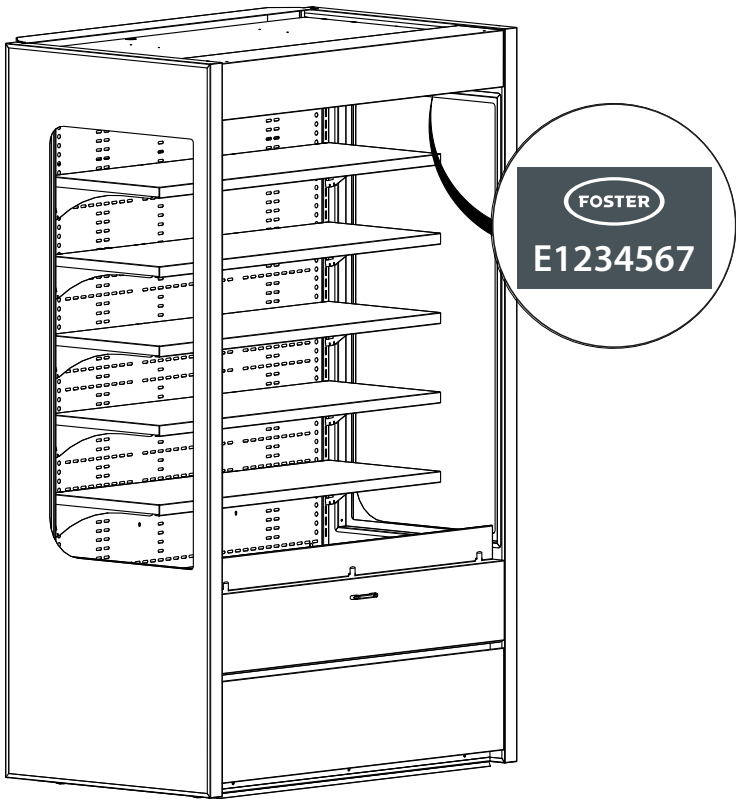
hP - This indicates that the refrigeration system has become too hot. In conjunction with this alarm the lights in the appliance will not function. Check that the front, rear or top of the appliance are not obstructed. If the ambient temperature in the surrounding area is above 25°C take steps to reduce this and increase ventilation around the appliance.

(Some indications are only visible periodically during specific appliance operations such as defrost or when activated through use of the cabinet).

Before calling your supplier please make sure that:

Problem	Causes	Solution
The appliance is not functioning	Is the appliance plugged in and the socket switched on?	Ensure the socket has power supplied to it. This may be checked by plugging another electrical device into it
	Has the fuse blown?	Check the fuse and if necessary change it for a new one of the specified value.
The appliance is not cooling or it is not reaching the required temperature	Is the appliance switched on?	Check that the temperature is displayed. If the display shows 'OFF' switch on the appliance as it is in standby
	Is the condenser blocked or dirty?	Inspect and clean the condenser if necessary as described in this manual
	Is the appliance positioned close to a heat source?	Is the heat source affecting the performance of the cabinet. If possible move the appliance away from the heat source.
	Is the cabinet loaded correctly?	Check the loading of the product contained in the appliance is in accordance with the guidelines in this manual
There is something other than the temperature displayed on the controller	Is the display showing one of the items above?	The display may show indications shown in the 'Alarms and Warnings' section of these instructions. For anything else contact your authorised dealer or Foster Service
The temperature displayed is higher than the temperature set but the refrigeration is not operating	The display does not always react immediately to prevent large erroneous changes in temperature being displayed.	Over time the displayed value will reduce as the product temperature reduces
	The appliance has been loaded with product which has not been pre-chilled	Ensure that pre-chilled product is placed in the appliance

If the reason for the malfunction cannot be identified, disconnect the electrical supply from the unit and contact your authorised dealer or Foster Service. When requesting a service call, please quote the model and serial number which can be found on the inside of the appliance on the ceiling as indicated starting with 'E'.





By Appointment to
Her Majesty Queen Elizabeth II
Suppliers of Commercial Refrigeration
Foster Refrigerator, King's Lynn



The Refrigeration Experts

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