

# MANUAL

INSTRUCTIONS FOR INSTALLATION  
USE & GENERAL MAINTENANCE OF YOUR  
ICE MERCHANDISER



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## INTRODUCTION

This manual contains instructions for installation, operation and general maintenance of your Ice Door Merchandiser. It also includes a Troubleshooting Chart to diagnose problems along with corrective actions.

### CHECK FOR SHIPPING DAMAGE

Prior to leaving the factory, each cabinet is thoroughly inspected and performance tested up to 12 hours to assure proper operating temperatures.

**Check the crate thoroughly for signs of shipping damage.** If external damage exists, internal damage is also probable. Uncrating should be done while the carrier's representative is present. Otherwise, the equipment should be uncrated as soon as possible, preferably within five (5) days.

The manufacturer is not responsible for in-transit damage and the consignee must file any required damage claims directly with the carrier.

If the damage is severe and obvious, write a brief description of the evidence on the carrier's delivery receipt, and above the carrier representative's signature. Call the distributor or dealer immediately, indicating that the cabinet was damaged.

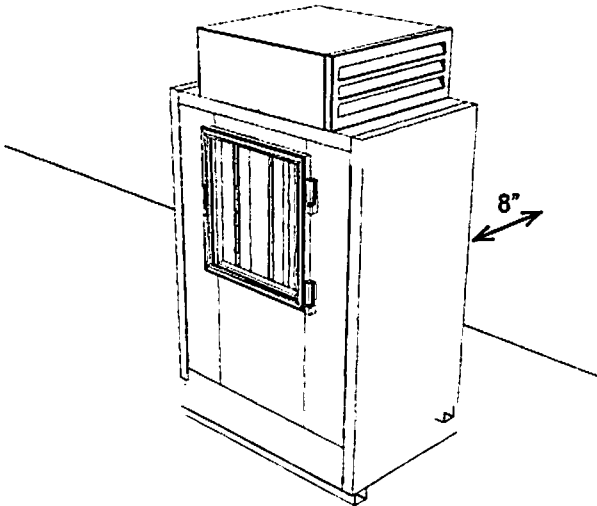
If no obvious crate damage is present, within two hours of receiving the cabinet from the carrier, remove the packaging to inspect for concealed damage.

If concealed damage is found, call the carrier immediately, **save all crating materials**, and file the necessary freight claim with the carrier.

**Check for accesories:** Check that the shelves are inside the refrigerator, including the four clips or supports for each shelf.

## WHERE TO LOCATE THE CABINET

1. Place the cabinet on a surface solid enough to prevent vibration and strong enough to support the combined weight of the cabinet and the product load. Failure to properly level the cabinet could hinder proper drainage and door operation.
- 2.. Clearance: Leave a space of at least 8" between the back of the cabinet and the wall to provide adequate air circulation of the unit compartment.

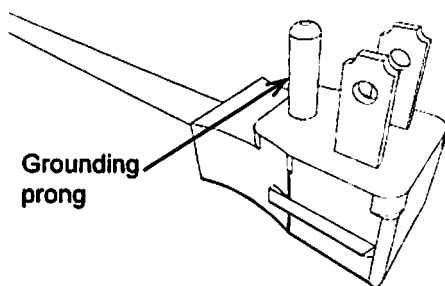


## CONNECT THE CABINET TO A PROPER ELECTRICAL POWER SUPPLY

Each refrigerator requires a dedicated circuit to prevent malfunction of the compressor and the electrical components. All models require a 115 volt/60Hz electrical supply (15 amp breaker). The breaker should be a time delay type. Each unit should be connected to its own circuit in accordance with National Electric Codes and local ordinances.

### START UP THE CABINET

1. Plug in the electrical power cord.



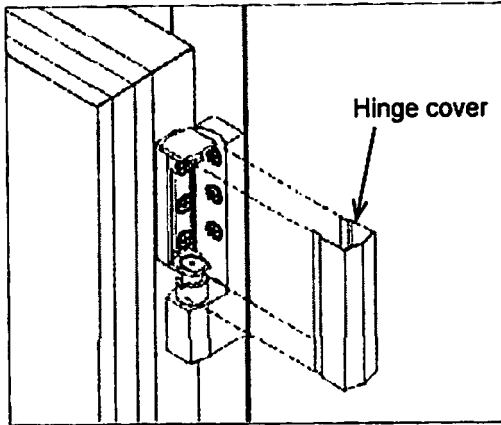
**IMPORTANT** Do not, under any circumstances, cut or remove the round grounding prong from the power plug.

2. If the condensing unit does not run after the power cord is plugged in, check to see that the temperature control is not in the "OFF" position.
3. Check the operation of the interior fluorescent light.

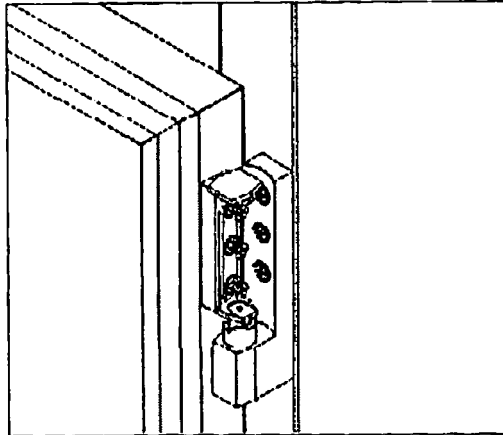
## INSTALLATION

If the door does not seal properly, follow these steps to adjust the door:

1. Close the door and pop off the door hinge covers with a flat screwdriver. This exposes the mounting screws for the door.



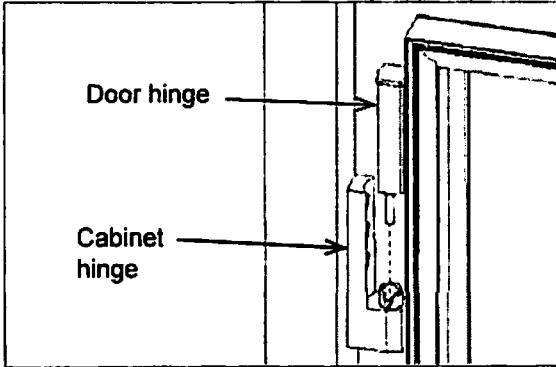
2. Loosen the screws, move the door side of the hinge to decrease the gasket-to-cabinet clearance and retighten the screws.



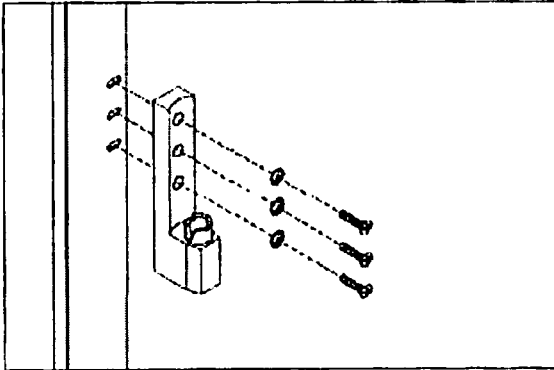
3. Snap the hinge covers into place.

## INSTALLATION

1. Open the door 90 degrees. Then lift the door off the cabinet hinge.



2. Remove the hinges using a phillips head screwdriver.

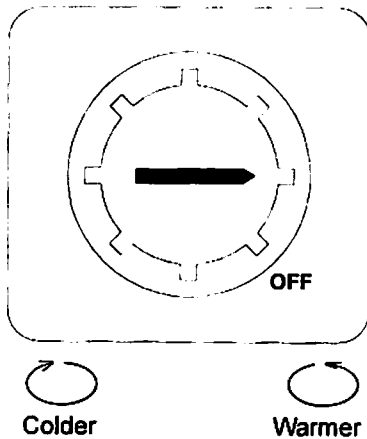


### To re-install door and hinges:

1. Tighten the cabinet hinge screws slightly and hang the door.
2. Make sure the door is properly aligned.
3. Tighten the hinge screws firmly.
4. Check the door seal by inserting a dollar bill between the gasket and the cabinet flange. Some resistance should be felt while withdrawing the bill. Repeat this test at 4" intervals around the door.

## LOAD THE PRODUCT IN THE CABINET

1. Before loading the cabinet, allow the cabinet to operate for at least two hours to ensure the cabinet has achieved the desired temperature.
2. The temperature control may be adjusted to suit your needs. Turn the control knob clockwise to lower the temperature and counterclockwise to raise it. Adjust the control knob in increments of 1/4 turn and allow the unit to operate for several hours before making any further adjustment. Once it is set there should be no need to change it.



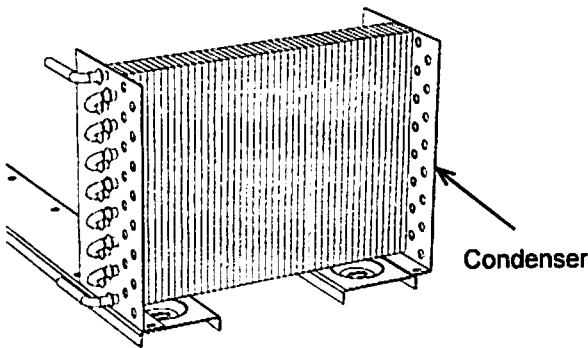
3. Do not block the cold air with product as it exits the evaporator. The fan motor of the evaporator absorbs warm air from the storage area and forces it through the coil to cool it. This cooled air exits the evaporator through the air ducts and cools the product by flowing around it. This provides uniform temperature inside the cabinet. Hence, it is important that the ducts are not blocked.
4. Operating temperatures of Ice Merchandiser must be between  $-16^{\circ}\text{C}$  ( $2^{\circ}\text{F}$ ) and  $-10^{\circ}\text{C}$  ( $14^{\circ}\text{F}$ ).
5. Do not disconnect the Ice Merchandiser during night, because when you turn on it again, the energy consumption will be increased.



## CLEANING AND PREVENTIVE MAINTENANCE

Your refrigerator requires very little maintenance. However, periodic cleaning can help prolong product life. Remember to disconnect the power source before cleaning. Remove all products and place them in another cooler.

1. Clean the interior and exterior, including the shelves, with a mild soap or detergent solution followed by a rinse with a warm baking soda solution (one cup of baking soda to one gallon of warm water). Dry the interior completely before replacing the product.
2. The under unit should be cleaned with a mild detergent and water. This solution will reduce odor and bacteria.
3. Clean the condenser unit compartment periodically by vacuuming the unit compartment, especially the condenser unit coil (it looks like a small car radiator). If the condenser coil has accumulated dirt and grease (possible in heavy traffic areas), use a strong cleaning solution. If you find any oil in the condensing unit compartment, call a qualified service technician immediately.



4. Plug in the cabinet and wait until the proper temperature is achieved before reloading the cabinet with product.

## **USE**

### **DEFROST SYSTEM:**

This cooler is provided with a timer that turns off the condensing unit every 6 hours for a period of 25 minutes. In this time the defrost heater located in the evaporator will generate the heat needed to Defrost any ice of the evaporator.

The defrost cycle has a security system activated by a thermo disk, which disconnects the defrost heater of the evaporator when its temperature reaches the defrosting temperature.

The timer is factory set at time 0, therefore, when the cooler is turn on, the timer will cycle for the first time to spend six hours of operation. The cooler will make four defrost cycles during 24 hours.

## TROUBLE SHOOTING CHART

<b>Compressor will not start, no noise</b>	<ol style="list-style-type: none"><li>1. Power disconnected</li><li>2. Blown fuse or breaker</li><li>3. Defective or broken wiring</li><li>4. Defective overload</li><li>5. Defective relay</li><li>6. Thermostat on off position</li></ol>	<ol style="list-style-type: none"><li>1. Check service cord for proper connection</li><li>2. Replace fuse or reset breaker</li><li>3. Repair or replace</li><li>4. Replace</li><li>5. Replace</li><li>6. Turn dial of thermostat to on position</li></ol>
<b>Warm storage temperatures</b>	<ol style="list-style-type: none"><li>1. Temperature control not set properly</li><li>2. Not enough refrigerant</li><li>3. Cabinet location too warm</li><li>4. Too much refrigerant</li><li>5. Low voltage, compressor cycling on overload</li></ol>	<ol style="list-style-type: none"><li>1. Reset control</li><li>2. Leak check. Change drier, evacuate and recharge</li><li>3. Relocate cabinet</li><li>4. Change drier, evacuate and recharge</li><li>5. Check voltage supply</li></ol>
<b>Compressor runs continuously-product too cold</b>	<ol style="list-style-type: none"><li>1. Defective control</li><li>2. Control feeler tube not installed in well</li><li>3. Not enough refrigerant</li></ol>	<ol style="list-style-type: none"><li>1. Replace</li><li>2. Push control feeler tube into well</li><li>3. Leak check. Change drier, evacuate and recharge</li></ol>
<b>Compressor runs continuously-product too warm</b>	<ol style="list-style-type: none"><li>1. Not enough refrigerant</li><li>2. Inefficient compressor</li></ol>	<ol style="list-style-type: none"><li>1. Leak check. Change drier, evacuate and recharge</li><li>2. Replace</li></ol>



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