

INSTRUCTIONS

QE, EQE, & QEH SERIES ROLL-IN, ROLL-THROUGH FOOD STORAGE CABINETS



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QE Series Roll-In Food Storage Cabinets

Installation, Operation, and Care of QE, EQE, & QEH SERIES ROLL-IN FOOD STORAGE CABINETS

SAVE THESE INSTRUCTIONS

GENERAL

The QE and EQE Series Roll-in Food Storage Cabinets may be ordered as one-, two-, or three-section, roll-in or roll-through cabinets, as medium temperature (38°F) refrigerators or frozen food (0°F) storage cabinets. QE models provide 68" interior height while the EQE extended height models provide 75" interior height.

QEH models are hot food (180°F) storage cabinets available with one-, two-, or three-sections, as roll-in or roll-through cabinets.

INSTALLATION

UNPACKING

Immediately after unpacking, check for possible shipping damage. If the cabinet is found to be damaged, save the packaging material and contact the carrier within 15 days of delivery.

Prior to installation, test the electrical service to verify that it agrees with the data plate located in the upper left corner inside the cabinet.

ASSEMBLY

Some components can be removed to allow the cabinet to pass through short or narrow doorways.

The door handle can be removed, as follows:

1. Remove the screw and bolt from the tumbler.
2. Remove the two mounting screws and the handle assembly (Fig. 1).
3. Replace in reverse order of disassembly.

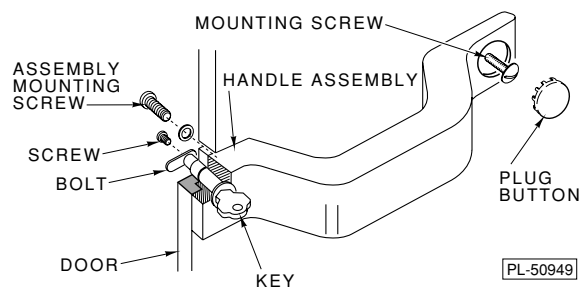


Fig. 1

Door(s) and hinges can be removed, as follows:

1. Lift up and remove the front trim panel (Fig. 2).

2. Remove the screws which secure the trim rail cover (Fig. 2), unplug the door switch lead wires and remove the screws which secure the trim rail (Fig. 2). Carefully lay the trim rail on top of the cabinet — avoid damaging or kinking the thermometer capillary tube.

3. Remove the three screws which secure the upper hinge plate to the cabinet (Fig. 3). This will remove hinge tension. Remove the nut underneath the lower hinge plate which secures the bottom hinge. Remove door. Remove lower hinge plate (Fig. 3).

4. If the hinge mechanism should become uncocked while changing the door, it will be necessary to recock the hinge mechanism. To do this, remove the door from the cabinet and position the door face down on a work table. Using a $\frac{5}{16}$ " open end or adjustable wrench, turn the hinge mechanism shaft 135° (Fig. 4).

5. Replace the hinge plates and door(s) in the reverse order of disassembly.

If cabinets are too tall, the refrigeration system may need to be removed in order to pass through short openings. Contact your dealer or authorized servicer if this becomes necessary.

Once the cabinet is in its final position, replace any components that may have been removed (door handle, etc.) and then level the cabinet front-to-back and side-to-side using shims as required.

Before installing the ramp or flat threshold, seal between the bottom of the cabinet perimeter and the floor by applying a bead of NSF-approved sealant, such as Dow Corning 732 or GE RTV108.

Cabinets equipped with flat threshold(s) must have a recessed floor (Fig. 5). The recessed floor should be $1\frac{3}{8}$ " deep. This allows $\frac{1}{4}$ " for leveling shims.

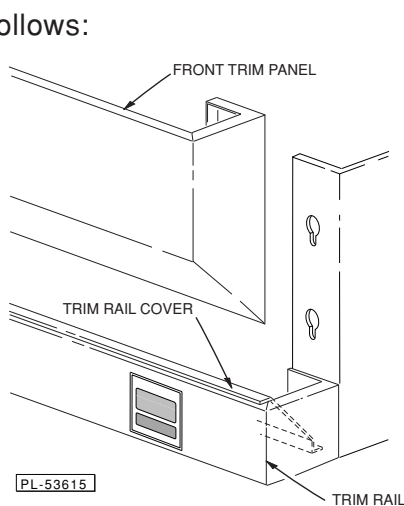


Fig. 2

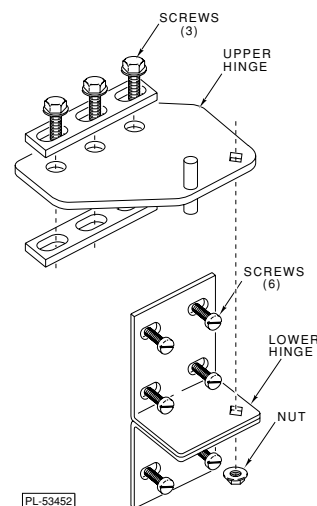


Fig. 3

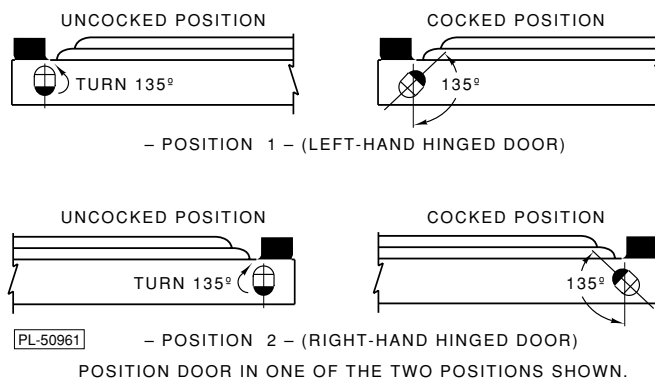


Fig. 4

Recessed Floor Dimensions						
Cabinet Type	One-Section		Two-Section		Three-Section	
	Depth	Width	Depth	Width	Depth	Width
Front Opening	37"	34 $\frac{1}{4}$ "	37"	67 $\frac{1}{2}$ "	37"	100 $\frac{3}{4}$ "
Pass Thru	37 $\frac{3}{4}$ "	34 $\frac{1}{4}$ "	37 $\frac{3}{4}$ "	67 $\frac{1}{2}$ "	37 $\frac{3}{4}$ "	100 $\frac{3}{4}$ "

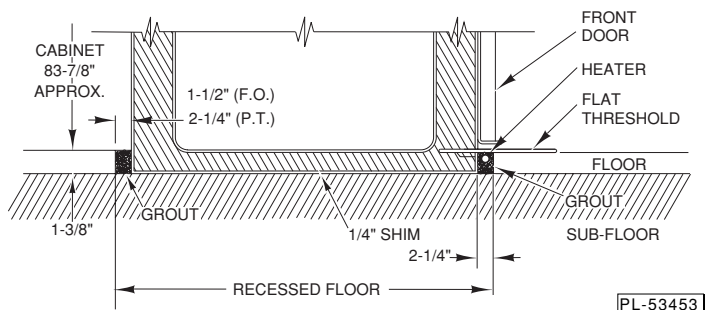


Fig. 5

On pass thru models, the recessed floor dimension allows 2 $\frac{1}{4}$ " clearance at both front and rear and $\frac{1}{2}$ " on both sides. On a front opening cabinet, the recessed floor dimension allows 2 $\frac{1}{4}$ " clearance at the front, 1 $\frac{1}{2}$ " clearance at the rear, and $\frac{1}{2}$ " on both sides (Fig. 5). The plug for the heater under the flat threshold must be connected to the receptacle, provided, before installing grout.

The space between the cabinet base and the recessed opening must be filled with grout for sanitary purposes. DO NOT fill the area below or above the hinge plate with grout, as the fastener on the bottom of the hinge plate must remain accessible to remove the door for service. Place a piece of cardboard around the hinge plate to make sure this area is free of any grout. Keep grout away from heater plug.

Ramp (Equipped as an Alternate to Flat Threshold)

Install ramp(s) and ramp heater(s) as follows:

The heater is secured to the bottom of the ramp (Fig. 6). Connect the heater plug into the receptacle provided at the bottom of the door opening (Fig. 6).

Position the ramp by placing the lip of the ramp inside the door opening. Hook the ramp on the clips provided at the bottom of the door opening (Fig. 6).

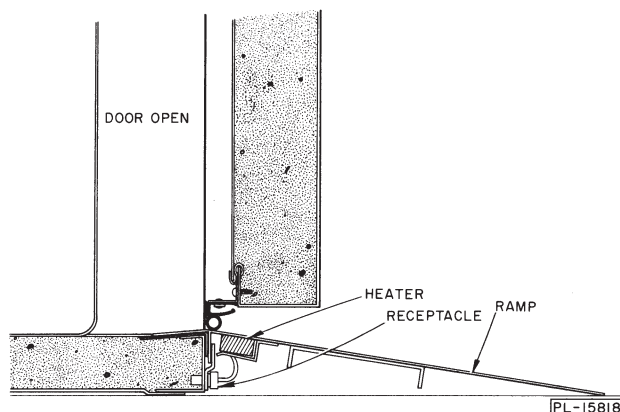


Fig. 6

Ramp heaters are not used on QEH models.

Shelves (Fig. 7)

The shelves and shelf clips are provided only if specially ordered. Insert shelf clips in pilaster slots and install the shelves. Index holes are provided in the pilaster to help in leveling the shelves.

Bonus shelves are provided to fill the space between the standard shelves. These are positioned and supported by the standard shelves.

NOTE: Loosen all thumb screws which secure shelf pilasters and light cover(s) prior to placing product in cabinet. Thumb screws should be loose enough to remove with your fingers so parts can be readily removed for cleaning without the use of tools. Failure to comply with this request will invalidate the NSF listing.

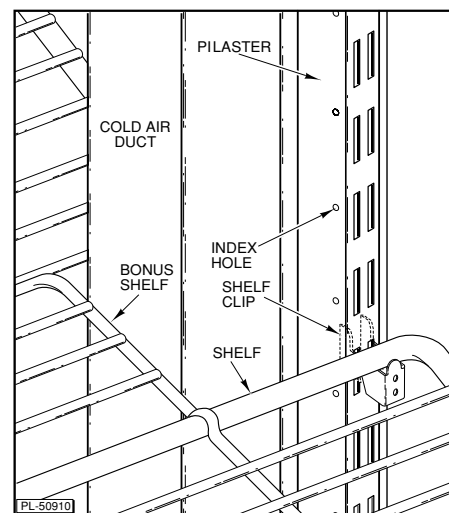


Fig. 7

Miscellaneous

Some models have the compressor specially mounted to help prevent damage during shipment. If the compressor is mounted on shipping blocks, they must be removed prior to operation. If the compressor is mounted on springs, refer to the tag attached to the compressor.

On cabinets with remote refrigeration systems, place the condensate dish heater in the condensate dish and connect it to the outlet provided.

ELECTRICAL CONNECTIONS (Cord-Connected Roll-Ins) 120 Volts / 60 Hertz / 1 Phase Only

WARNING: THIS MACHINE IS PROVIDED WITH A THREE-PRONG GROUNDING PLUG. THE OUTLET TO WHICH THIS PLUG IS CONNECTED MUST BE PROPERLY GROUNDED. IF THE RECEPTACLE IS NOT THE PROPER GROUNDING TYPE, CONTACT AN ELECTRICIAN.

ELECTRICAL CONNECTIONS (Permanently Connected Roll-Ins)

WARNING: ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES.

WARNING: DISCONNECT THE ELECTRICAL POWER SUPPLY AND PLACE A TAG AT THE DISCONNECT SWITCH TO INDICATE THAT YOU ARE WORKING ON THE CIRCUIT.

Refer to the wiring diagram supplied with the cabinet.

PRESTART CHECKS (Refrigeration Cabinets Only)

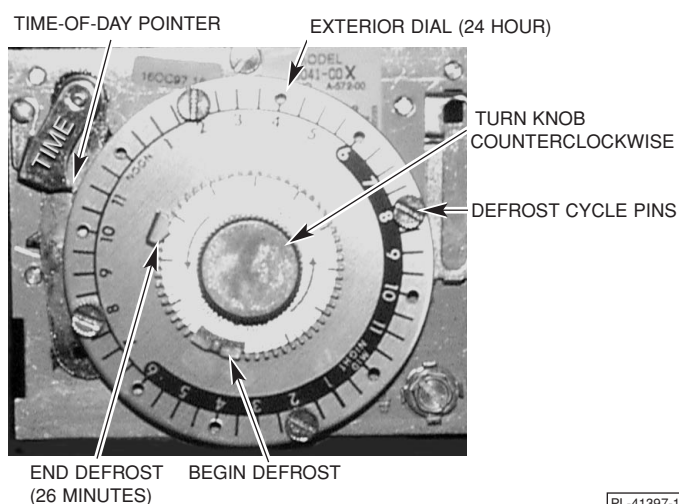
REFRIGERANT LINES — Check for tubing shifts due to shipping that would cause operating noise, wear, or leaks.

DEFROST TIMER (Low Temperature Units and Convertible Models in Low Temperature Mode) — When power is initially applied to the cabinet, the exterior dial of the defrost time clock (Fig. 5) must be set to the correct time of day.

To access the defrost timer, remove the front trim panel (Fig. 4) by lifting up and out. Open door on the defrost timer box. Turn the inside knob counterclockwise until the exterior dial is positioned so the correct time of day is at the time of day pointer. Replace the front trim panel when done.

The defrost timer (Fig. 5) is set at the factory for four 26-minute defrost cycles per day (2 AM, 8 AM, 2 PM, and 8 PM). Depending on local conditions, it may be necessary to change the frequency or duration of defrost cycles.

If the power supply is interrupted, the defrost timer must be reset to the correct time of day.



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Fig. 8

OPERATION

CONTROLS (Refrigeration)

TEMPERATURE CONTROL — The temperature control is set at the factory, but local conditions may necessitate slight adjustment. To adjust the temperature control, lift up and remove the front trim panel (see Fig. 2) and turn the control knob (Fig. 9 or 10) a small amount at a time. Turning the control knob in the direction of the arrow lowers the temperature. The control knob has a marked "OFF" position which interrupts power to the compressor and condenser fan only, not the entire roll-in.

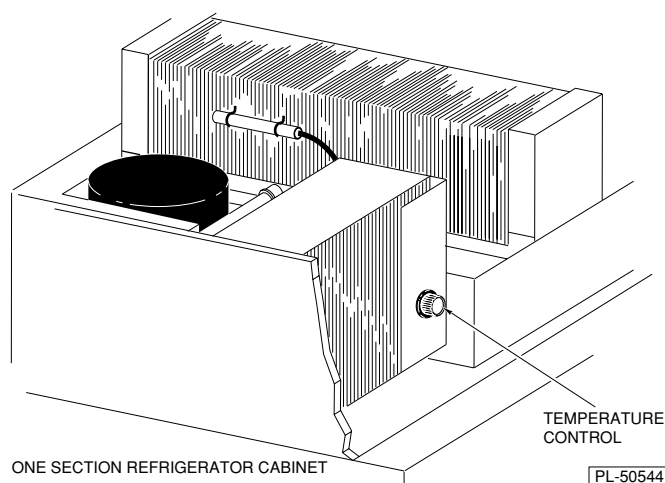


Fig. 9

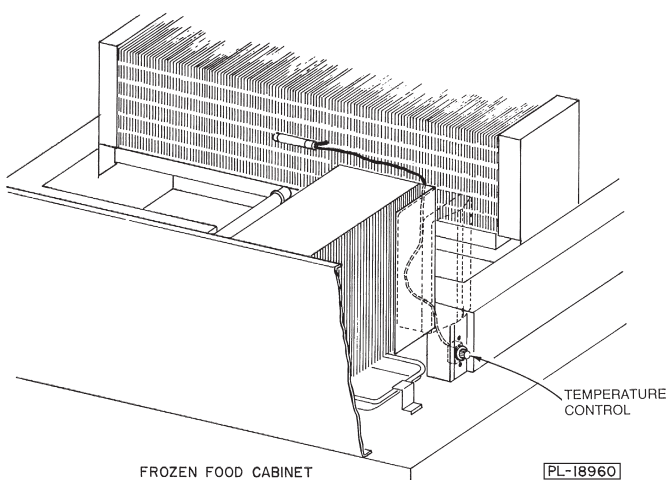


Fig. 10

STANDARD THERMOMETER (Fig. 11) — The standard digital thermometer is calibrated at the factory and does not permit recalibration.

OPERATIONAL CHECK — The refrigeration and defrost cycles should be checked for proper operation and the thermometer(s) should also be checked for correct temperature indication — before product is stored in the cabinet.

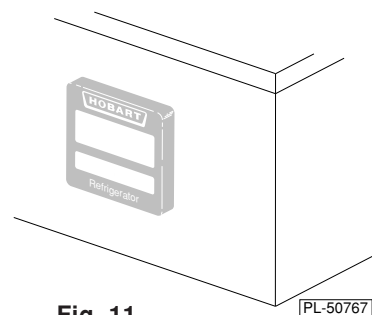


Fig. 11

CONTROLS — Hot Food Storage Cabinets (Fig. 12)

The ON-OFF switch controls power to the fan motors and the thermostat / heater circuit. Turn the switch OFF whenever the cabinet is not in use. The ON-OFF switch is not a disconnect switch — ALWAYS DISCONNECT POWER AT THE SOURCE TO SERVICE THE CABINET. The temperature control dial, which has a marked OFF position (no heat), is used to select the temperature at which the food will be held. When this dial is OFF, the air circulating fans continue to run.

The HUMIDITY control dial is used to regulate the humidity level inside the cabinet. Three-section cabinets have two HUMIDITY control dials.

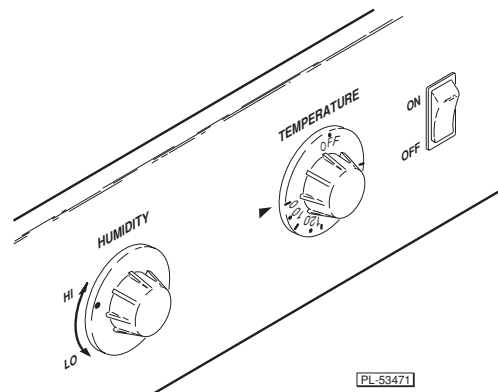


Fig. 12

MAINTENANCE

CLEANING

Cabinet

Clean the inside of the cabinet and the doors weekly with a warm water solution of mild household liquid dishwashing detergent (such as Palmolive green or Ivory). Do not use anything containing grit, abrasive materials, bleach or harsh chemicals. Be cautious with new or improved formulas; use only after being well tested. Rinse thoroughly and dry with a clean soft cloth. Do not use steel wool to clean surfaces.

NOTE: Failure to follow use, care and maintenance instructions may void your Hobart warranty.

Gaskets

Door gaskets should be cleaned weekly using a warm water solution of mild household liquid dishwashing detergent (such as Palmolive green or Ivory). Never allow gaskets to contact concentrated cleaners or disinfectants. This can cause premature failure of the gasket material.

Condenser Coil

WARNING: DISCONNECT ELECTRICAL POWER SUPPLY BEFORE CLEANING THE CONDENSING UNIT.

Check the condenser coil weekly. This surface must be kept free of dirt and grease for proper system operation. Remove the front trim panel and carefully vacuum or brush dirt and lint from the condenser coil. Replace the trim panel.

Evaporator Coil, Drain Pan, Condensate Loop, and Condensate Dish

When needed, flush these components with fresh water. This should be a part of any routine maintenance program and can prolong the life of the equipment.

Light Bulb Replacement

Replace light bulb(s) with 40 watt incandescent appliance type bulb(s) ONLY. The protective cover can easily be removed and replaced.

For additional information or to discuss a maintenance program, contact your local authorized refrigeration servicer.