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# NOTES

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# HEATERS



Door Frame / Perimeter /  
Mullion

## GDM SERIES REPLACEMENT OF DOOR FRAME HEATER ON IDL FREEZER DOORS

### INSTALLATION INSTRUCTIONS

#### Tools Required

- Phillips Head Screwdriver
- 3/8" Socket Set
- Awl
- Wire Strippers-Crimper
- Needle Nose Pliers

#### NOTE:

For greater safety and ease of installation, it is recommended that two persons assist in the replacement procedure.

It may not be necessary to remove the door from the cabinet if two persons are assisting in the replacement procedure.

**STEP 1** - Disconnect electrical power to cabinet.

**STEP 2** - Remove door from cabinet and lay on a flat surface. Refer to Removal and Installation of GDM and T-Series Swing Door Instructions on page 46-47.

**STEP 3** - Remove door gasket from the perimeter of the interior side of the door.

**STEP 4** - Remove door handle (2 screws).

**STEP 5** - Remove the screws that secure the four back plates to the door.

**STEP 6** - With your Awl, pry out plastic shims wedged between glass insert and door frame.

**STEP 7** - Before removing glass insert, disconnect the electrical wiring to door frame heater and heater inside glass insert. Note: Wiring harness connection for your info: 2-whites go to 2-whites on lower lamp socket. 2-blacks go to 2-blacks on upper lamp socket. 1 red is 115v lead to both frame and insert heaters. 1 blue is neutral to both frame and insert heaters.

**STEP 8** - Remove glass insert by pushing on insert in upper corner of the handle side. If necessary, use a heat gun or hair dryer aimed in the space between glass insert and door frame to lesson resistance of double stick tape.

**NOTE:** For safety, gloves and eye protection should always be worn when handling glass.

**STEP 9** - Once glass has been removed, this will expose the heater wires inside door frame. Remove old heater and replace with new heater cable.

**STEP 10** - Remove any old tape from the lip on the door frame. Replace with new double-sided tape on the 1/2" lip.

**STEP 11** - Re-install glass insert by first installing two of the plastic shims to opposite ends of bottom door frame a few inches from the corners. Remember to keep the tempered glass to the handle side of the frame and press against the two-way tape.

**NOTE:** The etched TRUE logo is positioned on bottom corner of the tempered glass side.

**STEP 12** - Square glass insert to door frame by adding shims to the handle side.

**STEP 13** - Replace backplates, door handle and gasket.

**STEP 14** - Re-install door on freezer (if removed).

# PERIMETER HEATER WIRE REPLACEMENT

## INSTALLATION INSTRUCTIONS

### Tools Required

- Phillips Head Screwdriver
- Drill
- 1/8" Drill Bit

**STEP 1** - Disconnect the power supply, unload contents of cabinet and lay cabinet on its back.

**NOTE:** There can be no ice on the face of the cabinet prior to this repair.

**STEP 2** - Remove the lower louvered grill. Remove the side brackets on the face of the cabinet. (See image 1).

**STEP 3** - Remove the rain shield above the door(s). (See image 2).

**STEP 4** - Remove hinges and door (s). (See images 3-4).

**STEP 5** - Drill out pop rivet on right top corner of plastic and stainless steel mullion trim. Remove the right side vertical stainless steel strip by sliding it out of the plastic tracks. Then remove the top horizontal stainless steel mullion. Be sure to raise the corner of the plastic trim where the pop rivet was removed so that the stainless trim slides beneath it. (See image 5).

**STEP 6** - Remove the left vertical stainless steel trim piece by sliding it out of the plastic trim. Be sure to raise the top horizontal plastic trim piece (use a putty knife) so that the stainless trim passes underneath it toward the top of the cabinet. (See images 6-7).

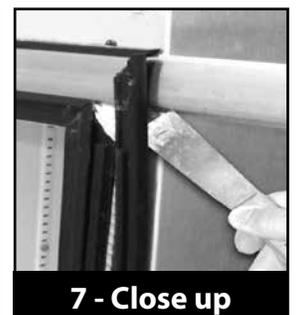
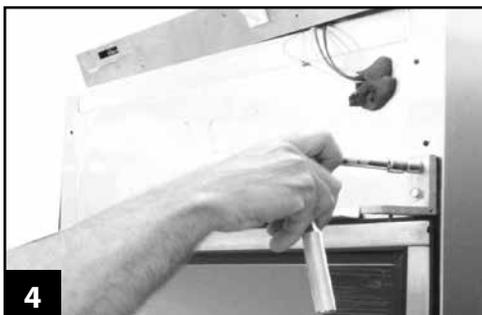
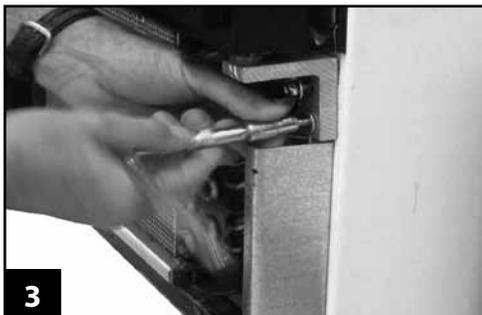
**STEP 7** - Drill out the pop rivet that was hidden by the stainless steel trim in the lower right corner of the vertical plastic piece so that the bottom horizontal stainless trim slides beneath it for removal.

**STEP 8** - Disconnect heater wires in the junction box. Remove heater wire loop by unhooking at the corners where it is retained by the plastic trim pieces.

**STEP 9** - Replace inoperative heater wire loop, being sure to hook under the corners of the plastic trim as observed during disassembly.

**STEP 10** - Reverse assembly sequence to replace trim. Use the four (4) small sheet metal screws furnished with the heater wire in the same sequence as the pop rivets were removed.

**STEP 11** - Attach the heater wires to the power supply in junction box. Replace all other assemblies in reverse sequence in which they were removed.



# TWT, TUC, TSSU, AND TPP PERIMETER HEATER REPLACEMENT

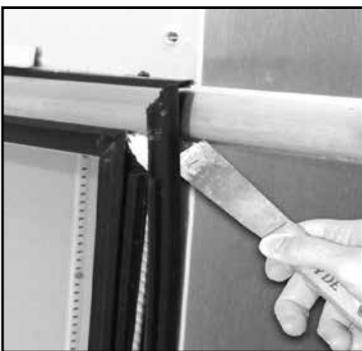
## INSTALLATION INSTRUCTIONS

### Tools Required

- Phillips Head Screwdriver
- Pop Rivet Tool
- Drill
- #30 Drill Bit

### NOTE:

There can be no ice on the face of the cabinet prior to this repair.



Close up (photo)

**STEP 1** - Disconnect power cord, unload contents of cabinet and lay cabinet on its back.

**STEP 2** - Remove doors by removing upper door hinges.

**STEP 3** - Drill out pop-rivet in the top right hand corner.

**STEP 4** - Lift plastic trim and slide upper stainless strip out.

**STEP 5** - Drill out pop-rivet in the bottom right corner and move vertical stainless strip up.

**STEP 6** - Lift plastic trim and slide bottom stainless strip out.

**STEP 7** - Remove bottom 3 screws on each side of mullion, remove stainless steel strip by lifting plastic trim and slide out the bottom.

**STEP 8** - Remove evaporator cover to access wiring connection of the heater wires.

**STEP 9** - Disconnect wires and remove defective heater(s) from cabinet (pay close attention to how wiring is attached around the perimeter and the mullion(s)).

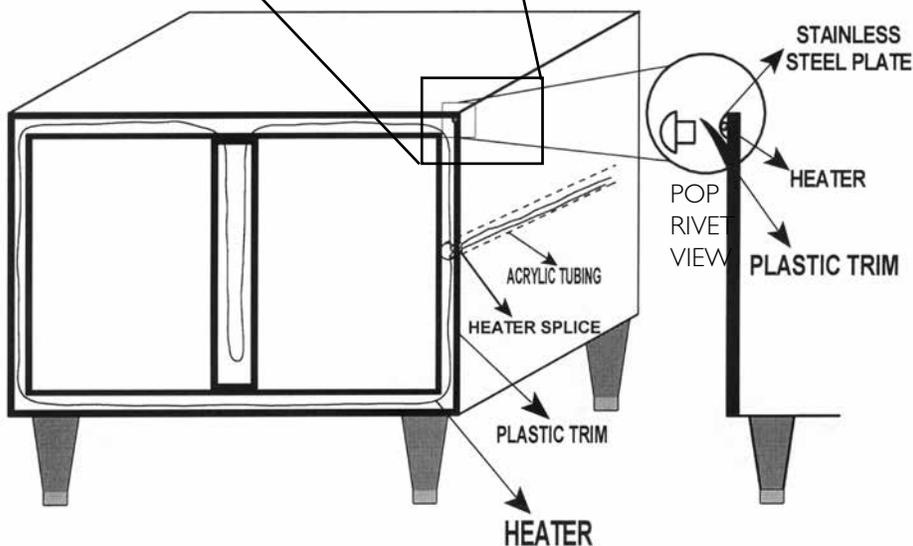
**STEP 10** - Reinstall heater in the same manner:

**NOTE:** The splice in the heater wire is to be just below the plastic trim inside the acrylic tubing. Failure to do this could result in the heater failing prematurely.

**STEP 11** - Insert heater wire through acrylic tubing in to the cabinet and reconnect with wire nuts.

**STEP 12** - Reinstall the stainless steel plates and pop-rivet corners.

**STEP 13** - Stand unit upright and let stand 2 to 4 hours before plugging it in.



# GDM SERIES FREEZER PERIMETER HEATER WIRE REPLACEMENT

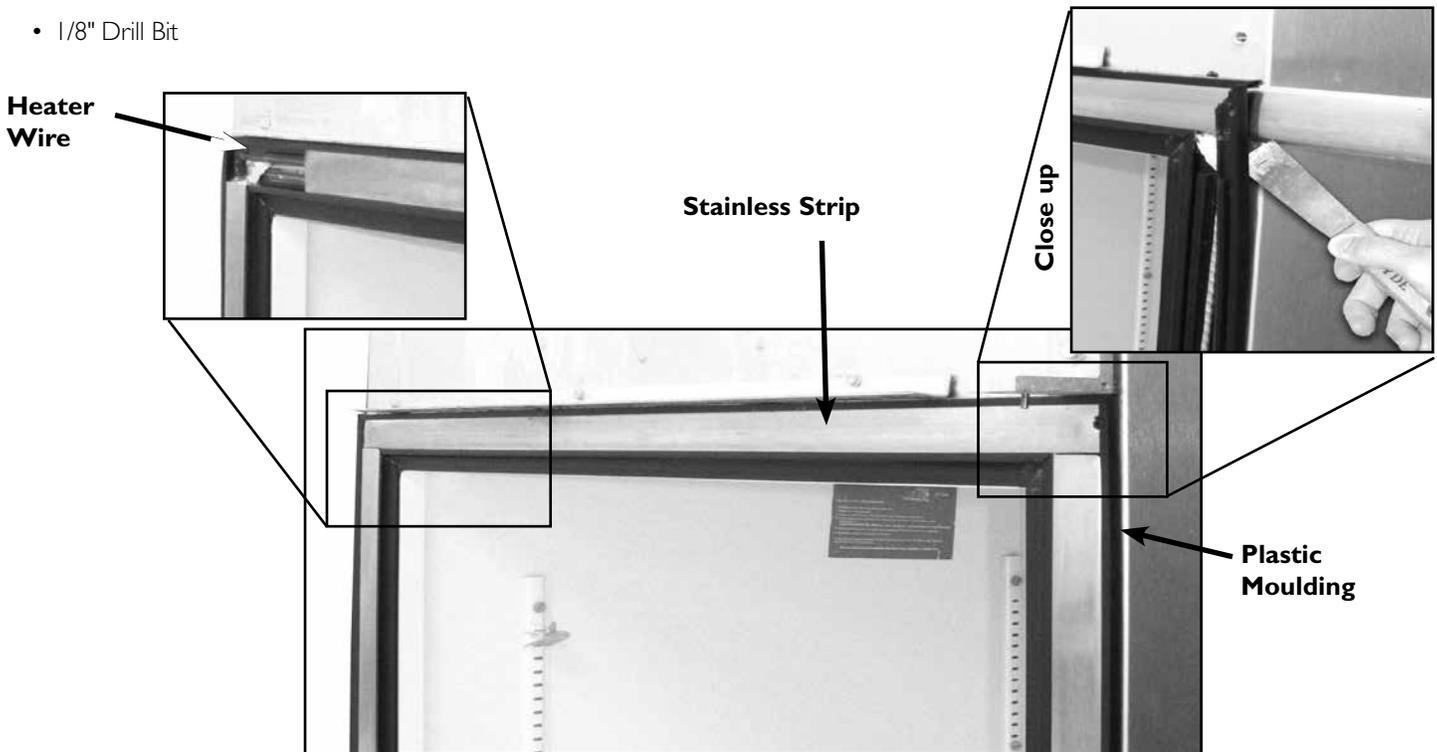
## INSTALLATION INSTRUCTIONS

### Tools Required

- Phillips Head Screwdriver
- Drill
- 1/8" Drill Bit

### NOTE:

There can be no ice on the face of the cabinet prior to this repair.



**STEP 1** - Disconnect the power supply, unload contents of cabinet and lay cabinet on its back.

**STEP 2** - Remove the lower louvered grill. Remove the stainless steel skirt around the louvered grill.

**STEP 3** - Remove the sign on the louver section above the door (s).

**STEP 4** - Remove hinges and door (s).

**STEP 5** - Drill out pop rivet on right top corner of plastic and stainless steel mullion trim. Remove the top horizontal stainless steel strip by sliding it to the right of the tracks in the plastic. Be sure to raise the corner of the plastic trim where the pop rivet was removed so that the stainless trim slides beneath it. Drill out the two pop rivets in the top plastic trim which was hidden by the horizontal piece of stainless trim.

**STEP 6** - Remove left and right vertical stainless steel trim pieces by sliding them out of the plastic trim. Be sure to raise the top horizontal plastic trim piece so that the stainless trim passes underneath it toward the top of the cabinet.

**STEP 7** - Drill out the pop rivet that was hidden by the stainless steel trim in the lower right corner of the vertical plastic piece so that the lower vertical stainless trim slides beneath it for removal.

**STEP 8** - Disconnect heater wires in the junction box. Remove heater wire loop by unhooking at the corners where it is retained by the plastic trim pieces.

**STEP 9** - Replace inoperative heater wire loop, being sure to hook under the corners of the plastic trim as observed during disassembly.

**STEP 10** - Reverse assembly sequence to replace trim. Use the four (4) small sheet metal screws furnished with the heater wire in the same sequence as the pop rivets were removed.

**STEP 11** - Attach the heater wires to the power supply in junction box. Replace all other assemblies in reverse sequence in which they were removed.

