Installation Instructions For
The Alternative Defrost Heater System

9/1/04

General
1. The two coil face heaters remain unchanged.
2. The offset drain pan heater is removed and is replaced with two heaters. One of
   the heaters is the coil bottom heater which has a shape of a flat “U”. The other
   heater is the drain pan heater which is attached to the drain pan and has the shape
   of a rectangle.

Disassembly
1. Disconnect the electrical supply to the unit cooler. There may be more than one
   power source.
2. Disconnect the drain line.
3. Remove the drain pan.
4. Remove the access panel from the electrical end compartment.
5. Disconnect the drain pan heater wires from the terminal board. Refer to wiring
   diagram and trace the wires out. The wires will be on H1 and H2 or H3
   depending on the voltage of the unit cooler.
6. Note the position of the offset heater on the bottom of the coil.
   Remove the offset drain pan heater from the coil. The heater clips can be reused.
   Note that the kit does provide some heater clips.
Assembly
1. Install the “U” shaped flat heater onto the bottom of the coil using the heater clips. Position the heater on the bottom of the coil as the same as the offset heater. Using the heater clips, the heater will be placed on the bottom of the coil towards the entering air face. The heater should be centered or towards the front approximately on the length of the coil fin pack. The heater wires should be pointing upwards out of the drain pan.
2. The rectangular drain pan heater may or may not be already installed into the new drain pan. If the heater is not installed, position the rectangular heater so that the heater wires will be near the back of the drain pan on the electrical end and pointing upwards when the drain pan is installed onto the unit cooler. See detail A. The drain pan heater should be centered approximately on the length of the drain pan. The rear heater will be just outside the back of the drain fitting hex embossment. Tighten the 7/16” nuts that attach the heater clips to the drain pan.
3. Install new drain pan fitting, gasket & drain nut onto the drain pan.
4. Install the drain pan onto the unit cooler.
5. Reattach the drain line.
6. Wire the bottom coil flat heater and the rectangular drain pan heater to the proper terminals on the terminal board depending on the voltage of the unit cooler. Refer to the new wiring diagram, which was supplied with the new heaters and drain pan. If the unit has the defrost system with 460 volts, the two new heater will need to be wired in series. A wire nut will be required. The wiring of the new heaters to the terminals on the terminal board may be different than the original wiring.
7. Install the wiring diagram onto the inside cover of the electrical access cover.
8. Install the access cover onto the unit cooler.
9. Install two warning labels onto the bottom of the drain pan.
10. Turn the electrical power back onto the unit cooler.
11. The total wattage of the two new heaters is equal to the wattage of the offset heater. The amperage for the defrost system will remain the same.

Follow Up
1. Please check back on the unit cooler in at least three weeks to determine if the alternative heater system has corrected the defrost issue.

For additional information please contact the Heatcraft Service department at 1-800-321-1881.