



Field Rework Instructions

DEFROST HEATER REPLACEMENT

AFFECTED: FCB V-SERIES REMOTE REFRIGERATION UNITS

PROBLEM: The existing design can allow moisture into the heater casing causing a short in the heating element. The problem manifests itself in failed units and/or heater errors on the touch pad display.

REQUIRED PARTS: 1 ea. Heater Rework Kit per two freeze barrels.

The Cornelius part number for this kit is 629087483 and consists of:

Part No.	Name	Qty.
620315901	Modified 750 W heater (supplemental potting)	2
620715203	GE RTV 162 Silicon sealant, 2.8 oz. tube	1
320905000	Terminal splice connector	2

REPLACEMENT INSTRUCTIONS:

1. Disconnect electrical power to the unit.
2. Remove back and applicable side panels from the unit.
3. Tag beater drive motor wiring for identification and disconnect wires.
4. **Caution: Mark location of beater motor mounting bracket on frame with a felt tip marker before removing motor mount! Failure to adequately align beater motor to drive shaft will result in premature unit failure.**
5. Remove bolts, hex nuts and lockwashers securing motor to frame.
6. Carefully remove beater motor from mounting bracket. Be careful not to lose the yellow plastic drive shaft coupler.
7. Tag heater wiring for identification and disconnect wires.
8. Remove existing heaters from heater well on both sides of freeze barrels.
9. Clean all surfaces in and around heater well with a wire brush (Figure 1). Make certain all surfaces are free of dust, syrup, oil, and/or other substances that will prevent sealant from adhering to the heater well. **Caution: Do not use water or other cleaners that will introduce moisture into the heater well.**

10. If available, use compressed air to blow out any moisture in the heater well.
11. Carefully insert heater into well. Heater should be inserted until only wire leads are exposed (Figure 2). A heat conductive paste may be used as a lubricant to assist in the insertion of the heaters.
12. Apply RTV162 silicon sealant liberally to the end of the heater and well. Be certain that the end of the heater well is completely sealed (Figure 3).
13. Connect heater wiring.
14. Replace beater drive motor bracket in the exact position on the frame as marked. Be certain motor output shaft and beater bar shaft are perfectly aligned. **Caution: Failure to adequately align beater motor to drive shaft will result in premature unit failure.**
15. Connect beater drive motor wiring.
16. Install back and side panels by reversing the removal procedures.
17. Restore unit to operation.

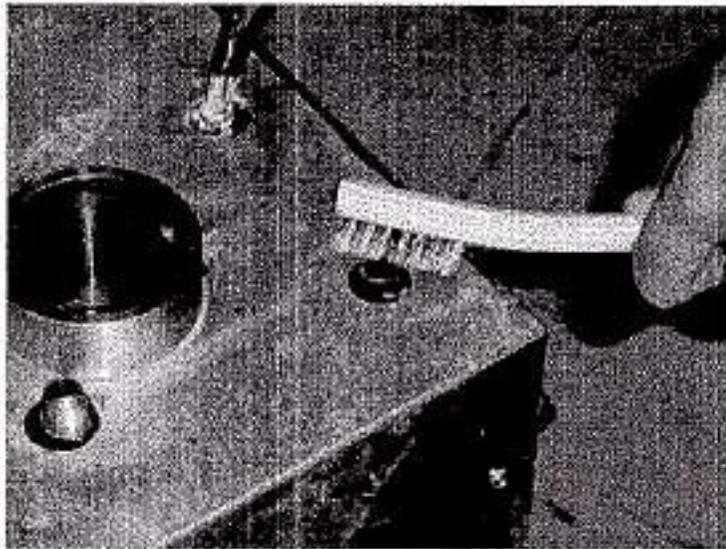


Figure 1. Clean Surfaces

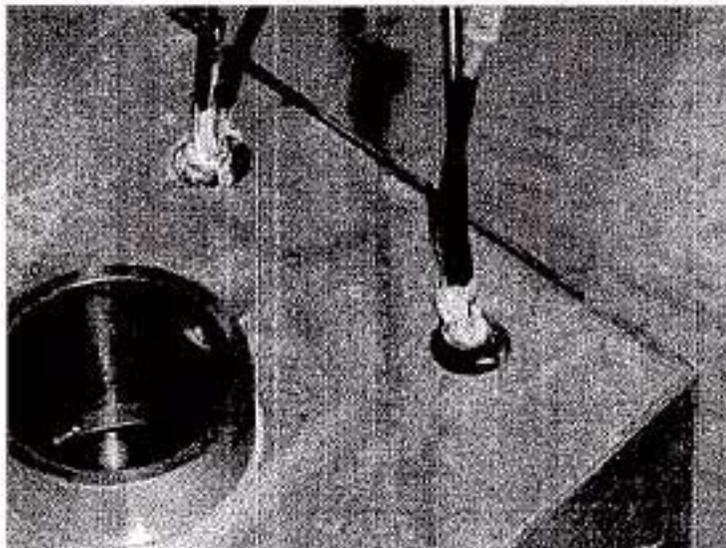


Figure 2. Insert Heaters to Wire Leads

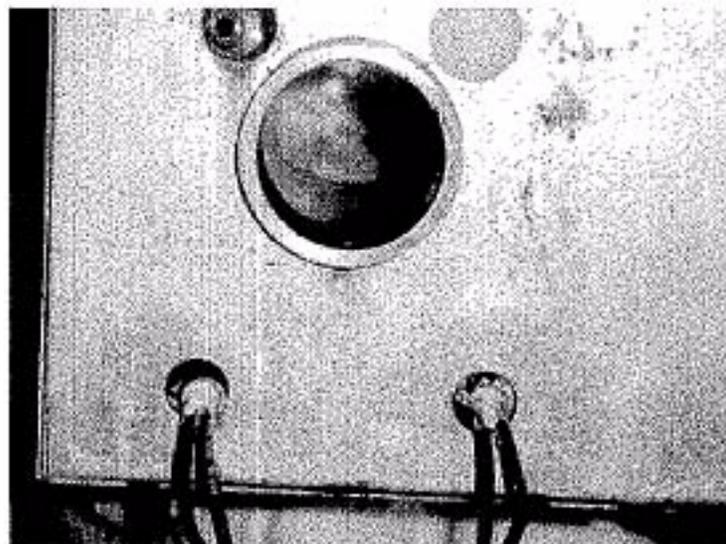


Figure 3. Completely Seal End of Heater and Heater Well