

GENUINE RENEWAL PART

Refrigerator & Freezer Products

REPLACEMENT HEATER FOR
HEATER HARNESS DEFROST ASSEMBLY
WR51X10101

1. Unplug and lock out power to Refrigerator.
2. Remove evaporator cover.
PLEASE NOTE: Most units have at least one ground clip attached to cover.
3. Remove 2 screws from the existing defrost heater mounting tabs.
4. Remove failed heater.
5. Disconnect Blue and Pink wires from the Defrost Heater
6. Look at existing Defrost Heater and determine if it is a single, or dual element heater (See Figure 1).

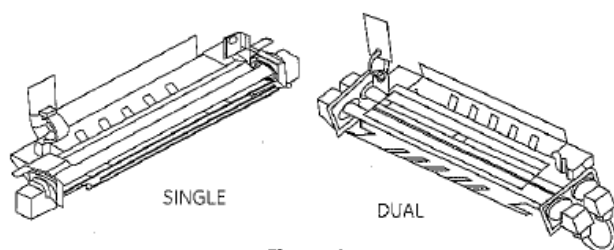


Figure 1

IF REPLACING A DUAL ELEMENT HEATER

7. Remove the Voltage tag from the replacement heater.
8. Position the replacement heater so that the end with the yellow jumper wire is on the left.
9. Connect the terminal of Blue wire into either socket of heater and terminal of Pink wire into the other.
10. Secure the heater by re-inserting the 2 mounting screws that were removed in Step 3 above.
11. Re-attach all ground wires that were removed in Step 2 to the Evaporator Cover.
12. Install Evaporator Cover and all shelves, supports, etc.
13. Re-energize unit and test refrigerator operation.
14. Replacement of Defrost Heater is now complete.

IF REPLACING A SINGLE ELEMENT HEATER

15. Metal Liners will have a blue wire on the left and a pink wire on the right of the evaporator.
16. Plastic Liners will have a pink wire on the left and blue wire on the right of the evaporator. The Pink wire on the left will most likely be dressed behind foam pads and capillary tube.
17. Carefully pull the wire out of left side of the evaporator without damaging capillary tube or thermister.

HELPFUL HINT: For Plastic Liner, it may help to remove the top screws of Evaporator Fan Housing, the foam block from top left of Evaporator, and the ground clips from top right of Evaporator frame.

18. Dress the wire down the right side of the evaporator.
19. If the wire removed from left side and dressed to right side reaches the defrost heater mounting location, follow Steps 7 to 10 above and then proceed to Step 29 below.
20. Otherwise, cut and remove terminal and drip loop from re-routed wire.
21. Remove the Voltage tag from the replacement heater.

NOTE: THE REPLACEMENT HEATER LOOKS DIFFERENT THAN THE EXISTING HEATER. THE DUAL ELEMENT HEATER HAS BOTH ELECTRICAL CONNECTIONS ON ONE SIDE, AS SHOWN BELOW.

100-127 Volt Heater

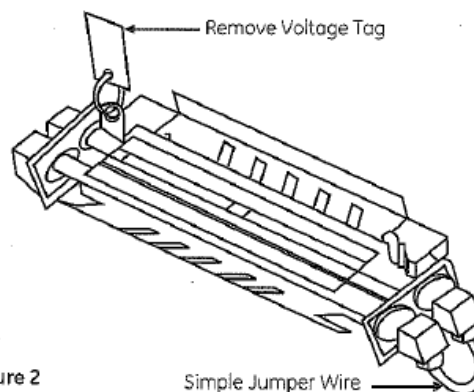


Figure 2

22. Position the replacement heater so that the end with the yellow jumper wire is on the left.
23. Attach terminal of white wire (included in kit) into the rear socket of the heater.
24. Splice white wire lead into the cut wire using Bell Connector (included in kit).
25. Seal Bell Connector with RTV102 to ensure moisture cannot reach connection.
26. Attach terminal from other wire lead to front socket of the heater.
27. Secure the heater by re-inserting the 2 mounting screws that were removed in step 3 above.
28. Pull Bell Connector up to remove all slack and secure to upper portion of cut wire with black electrical tape (see Figure 3).

PLEASE NOTE: It is very important to secure connector in the vertical position with the RTV102 sealed opening facing down.

29. For Plastic Liners, attach two panel clips (included in kit) to bottom Evaporator Cover – one below each edge of louver so that lower air duct will cover clips when reassembled (see Figure 4).
30. Re-attach all ground wires that were removed in Step 2 to the Evaporator Cover.
31. Install Evaporator Cover, shelves, supports, etc.
PLEASE NOTE: Clips, if installed in Step 29, must be inside front edge of drip pan to prevent water from accumulating on FZ bottom (see Figure 5).
32. Re-energize unit and test refrigerator operation.
33. Replacement of Defrost Heater is now complete.

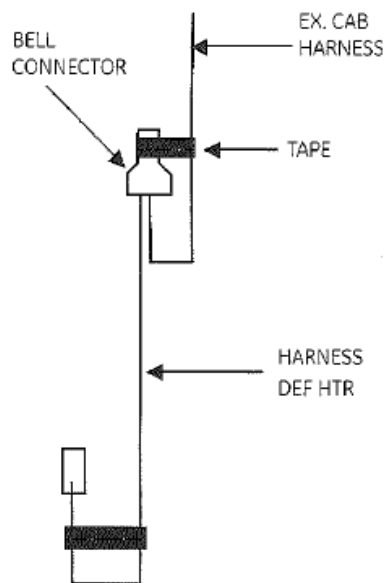


Figure 3

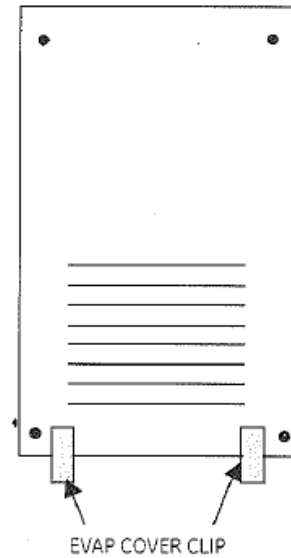


Figure 4

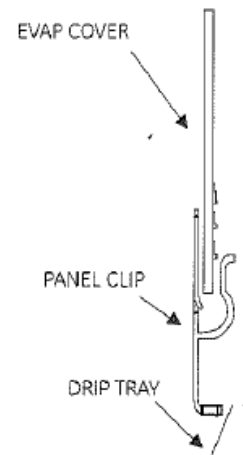


Figure 5

NOTE: The purpose of the clip is to retain the evaporator cover behind the leading edge of the drip pan.