

INSTALLATION INSTRUCTIONS for Replacement Defrost Heater WR51X10101CM

This Kit Contains:

- Double glass tube heater
- Wire Harness
- Set of Hardware
- Instruction Sheet

IMPORTANT

This heater kit now uses two heating elements to give a better defrost cycle. It replaces the single element that was used on some models.

WARNING



Disconnect power before servicing. Failure to do so can result in death or electrical shock.

Instructions

1. Remove evaporator cover.

Note: Most units have some ground clips attached to cover.

2. Remove two screws from the existing defrost heater mounting tabs.
3. Remove failed heater and disconnect blue and pink wires from the defrost heater.
4. Determine if the unit is a single or dual element heater.

Replacing a Dual Heater Element

1. Position the replacement heater so that the end with the white jumper wire is on the left.
2. Connect the terminal of blue wire into either socket of heater and terminal of pink wire into the other.
3. Secure the heater by re-inserting the two mounting screws that were removed in Step 2 above.
4. Re-attach all ground wires that were removed in Step 1 to the evaporator cover.
5. Install evaporator cover and all shelves, supports, etc.
6. Re-energize unit and test refrigerator operation.
7. Replacement of defrost heater is now complete.

Replacing a Single Heater Element

1. Metal liners will have a blue wire on the left and a pink wire on the right of the evaporator.
2. 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 most likely will be dressed behind foam pads and capillary tube.

3. 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.

4. Route the wire down the right side of the evaporator.
5. If the wire removed from left side and routed to right side reaches the defrost heater mounting location, follow the steps below and then proceed to Step 14 below.

- Position the replacement heater so that the end with the white jumper wire is on the left.
 - Connect the terminal of blue wire into either socket of heater and terminal of pink wire into the other.
 - Secure the heater by re-inserting the two mounting screws that were removed in Step 2 above.
6. Otherwise, cut and remove terminal and drip loop from re-routed wire.

Note: The replacement heater looks different than the existing heater. The dual element heater has both electrical connections on one side as shown below.

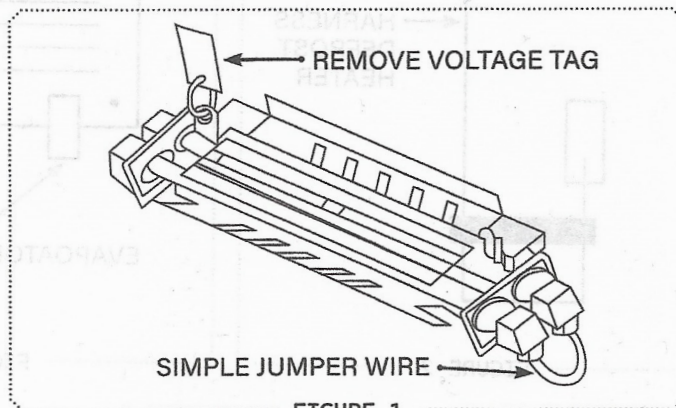


FIGURE 1



7. Position the replacement heater so that the end with the white jumper wire is on the left.
8. Attach terminal of white wire (included in kit) into the rear socket of the heater.
9. Splice white wire lead into the cut wire using Bell connector (included in kit).
10. Seal bell connector with RTV102 to ensure moisture cannot reach connection.
11. Attach terminal from other wire lead to front socket of the heater.
12. Secure the heater by re-inserting the two mounting screws that were removed in Step 3 above.
13. Pull bell connector up to remove all slack and secure to upper portion of cut wire with black electrical tape. (See Figure 2)

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

14. 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 3)
15. Re-attach all ground wires that were removed in Step 2 to the evaporator cover.
16. Install evaporator cover, shelves, supports, etc.

Note: Clips, if installed in Step 14, must be inside front edge of drip pan to prevent water from accumulating on FZ bottom. (See Figure 4)

17. Re-energize unit and test refrigerator operation.
18. Replacement of defrost heater is now complete.

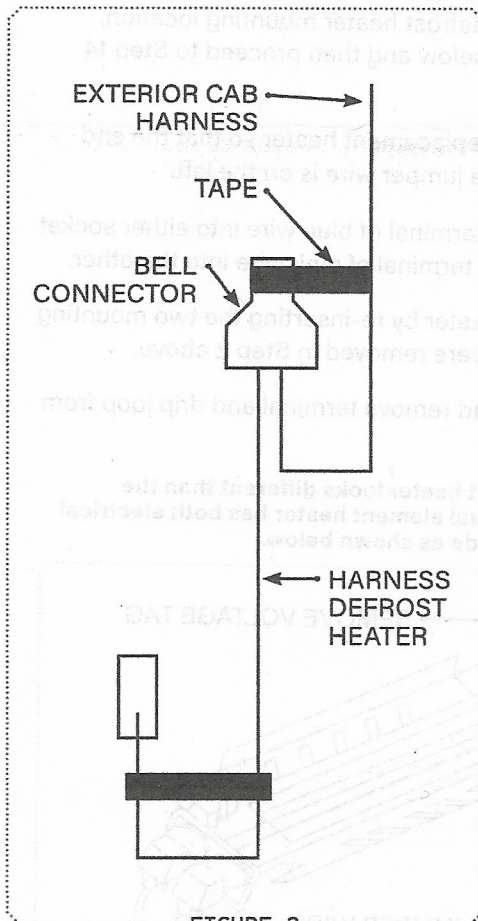


FIGURE 2

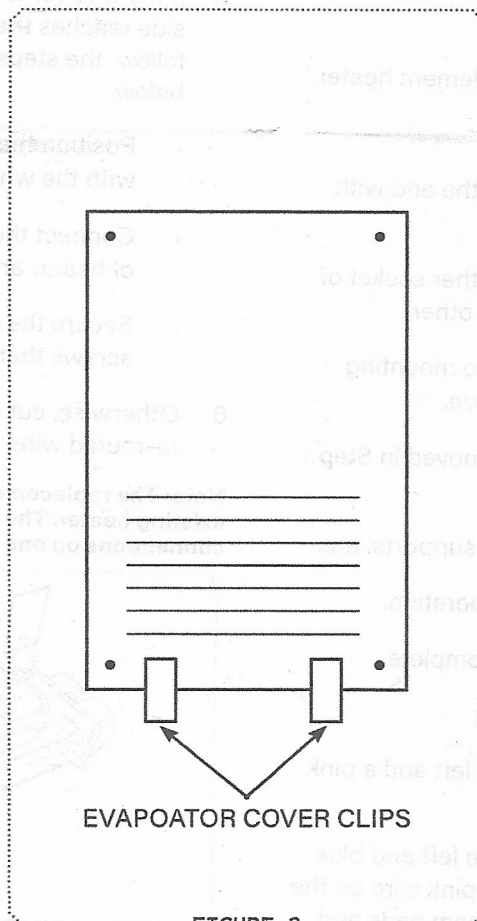


FIGURE 3

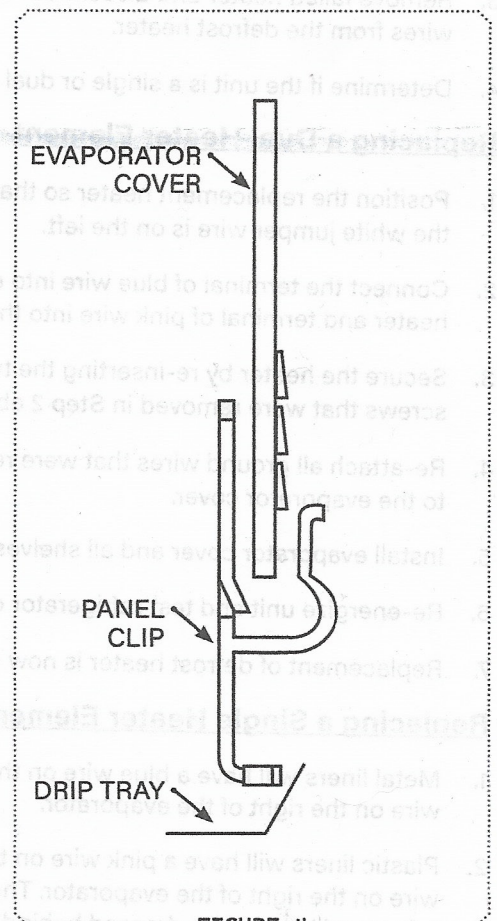


FIGURE 4