

Replacing Dual Element Defrost Heater with a Single Element Defrost Heater

Instructions

On SxS models with the spine fin evaporator, the dual element defrost heater can be replaced with the single element defrost heater if minor modifications are made to the suction tube and upper cab harness in some models (20/22/21/25/27). NOTE: THE SINGLE ELEMENT DEFROST HEATER IS TO BE INSTALLED AT THE BOTTOM OF THE EVAPORATOR (IN THE SAME LOCATION AS THE LOWER HEATER OF THE DUAL ELEMENT DESIGN).

FOR 24/28/30" MODELS:

1. Disconnect and remove the dual element defrost heater and harness assembly.
2. As noted above, the single element bracket mounts at the bottom of the evaporator in the same location as the lower heater of the dual element design.
3. The red wire should be routed up the right side of the evaporator and the blue wire up the left.

NOTE: Any portions of the harness which come in contact with sharp edges of the evaporator bracket must have aluminum tape wrapped around the harness to prevent wear on the wire. Excess harness should be bound together to avoid any possibility of interference with the evaporator fan.

FOR 20/22/21/25/27" MODELS:

1. Disconnect and remove the dual element defrost heater and harness assembly.
2. Remove the factory installed wire tie at the bottom left corner of the evaporator, which holds the suction tube to the evaporator bracket.
3. As previously noted, the single element bracket mounts at the bottom of the evaporator in the same location as the lower heater of the dual element design.
4. Due to interference between the suction tube and the single element bracket, a 3/16 inch diameter hole should be drilled in the back of the freezer liner to allow the suction tube to be held in place (using one of the wire ties in the replacement kit) and away from the single element bracket.

NOTE: The suction tube cannot be routed such that it goes between the defrost heater and bracket.

5. The upper cab harness (which is routed down the right, back corner of the freezer through the upper portion of the return air duct) must be moved down 2 inches (both on the freezer and fresh food sides) such that the drip loop on the harness is located as far away from the defrost heater as possible. This will result in the upper cab harness being routed through the bottom of the return air duct versus the top.

NOTE: To more easily route the upper cab harness through the bottom of the return air duct, the center divider in the return air duct should be removed.

The remaining wire ties in the replacement kit can be used to re-attach the upper cab harness and hold it in place.

NOTE: The upper cab harness should be routed such that it passes through the return air duct at an upward slope so any condensation will run down the wire and off the drip loop into the drain on the freezer side.

6. A six inch strip of aluminum tape should be wrapped around the upper cab harness starting at the wire tie and working upward on the freezer side.

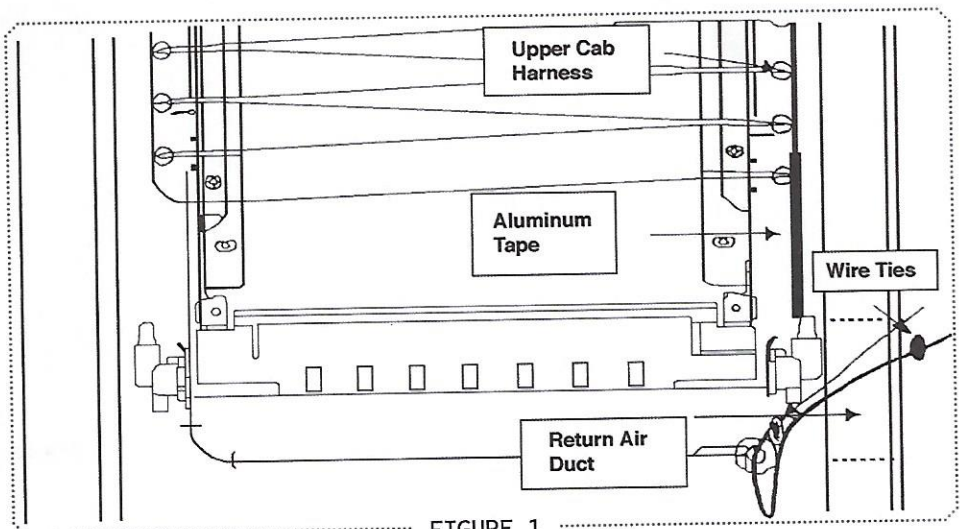


FIGURE 1