



CONVERT URETHANE COOLER DOOR TO FREEZER DOOR

CAUTION: Wire is designed to perform under low temp conditions. Do not energize heater wire unless freezer is running or possible overheating of door gasket could occur.

- Disconnect power.
- Block doorway with curtain to prevent cold air loss and subsequent product warming.
- If box has a threshold remove the threshold screws that hold the threshold down to floor and drill out rivets holding threshold to bottom plate with a 1/8" drill bit.
- The door heater wire sits in the center groove of the pvc door frame under ss cover. The ss cover is shaped so the edges hook around fingers on the frame. Remove the ss covers beginning with the top of the frame, place a wide flat blade screwdriver under the outer edge of the ss cover and turn to gently lift ss cover. Work the ss cover off slowly and a little at a time to keep from marring the pvc frame. (Fig 1)
- Remove old caulking around ends of threshold and the corners of the ss tracking.
- Drill 3/4" hole through middle of cover pvc base even with height of light fixture. There is an 1/8" piece of steel right underneath the pvc in the doorframe that must be drilled through. Start with a small bit like 1/4" and work your way slowly up to 3/4". Hole should go completely through jamb to interior of door. (Fig 2)
- Loosen jcn box so that 90 degree elbow can be installed in the jcn box nearest the door frame hole. Install 90 degree elbow and piece of conduit with plastic sleeve. Tighten jcn box back down. (Fig 3)
- Take a sharp wood chisel and chisel out the edges of the groove the heater wire sits in 3" above and below the door frame hole. (Fig 4)
- Drill a series of 1/4" holes about 1/2" deep into pvc extrusion just above the threshold plate from the heater wire groove out to the door opening on both door frame legs. Using drill bit drill out holes to create an opening from the wire groove out to the door opening to allow heater wire to sit in. (Fig 5)
- Run heater wire in groove across top of doorframe and down the hinge side of doorframe. Start heater wire just above the doorframe hole so that only the 3 flexible 14Ga wires are going through the conduit hole. (Fig 6&7)
- Run heater wire across where threshold will sit. (Note: There should be some type of thermal break under threshold) Tape heater wire down every 6" with foil tape. **MAKE SURE HEATER WIRE IS IN FRONT OF THE HOLES THAT ATTACH THE THRESHOLD PLATE DOWN TO PREVENT DAMAGE FROM SCREWS.** (Fig 8)
- Run heater wire in groove up the latch side of doorframe.
- Cut heater wire 1/4" from the conduit hole. Cut outer braid back from end 2". Cut a 1/4" slot down center of the end of the heater wire and cut 1/4" off one of the bus wires. (See figure 9)
- Center small piece of heat shrink tubing on end of heater wire and heat shrink. Bend small piece of heat shrink over on itself to close off end and place the large piece of heat shrink tubing over the entire end and heat shrink. (See figure 10)
- Cut 1/8" off the bottom of the ss cover on the sides of the doorframe with a pair of tin snips to allow clearance for heater wire. Make sure there are no sharp edges on end of tracking.
- Replace the ss cover on the top and sides of the doorframe. Hook ss cover under the outside edge of the base (edge furthest away from door opening) and then push down over inner edge of base track. (Fig 11)
- Reattach threshold with threshold screws and rivet back to threshold plate. (Fig 12)
- Connect black lead of heat wire to black lead in light fixture. Connect white lead of heat wire to white lead in light fixture. Connect green lead of heat wire to green lead in lamp fixture.
- Recaulk corners of ss cover and threshold and around 90 degree elbow. Apply caulking inside 90 degree elbow. (To alleviate any condensation problems).
- Make sure heat wire is functioning properly.

HPR installation requires a 3-1/2" hole thru the wall panel. Run the HPR wiring (thru the foam in wall) to a 2x4" recessed electrical junction box. Wire the junction box to the base of the light fixture (thru flex conduit) and parallel with the door 115VAC frame heater.



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

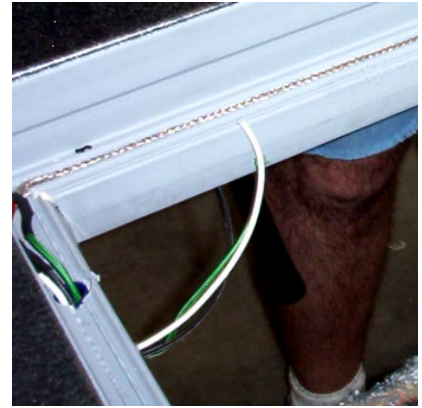


Figure 6



Figure 7



Figure 8

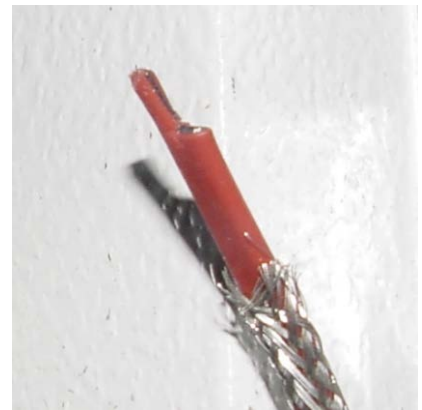


Figure 9



Figure 10



Figure 11



Figure 12