# Instruction Sheet

## for SxS Dispenser/Non-Disp, 36" Bottom Mounts and 42" French Door Bottom Mount Models High Voltage Assemby Installation

**NOTE:** The High Voltage (HV) Assembly you receive may not look the same as the control shown in the instructions or the control you are replacing. Do not remove any components off the new assembly to replace components on the old assembly. This must be installed as a complete assembly.

**Kit Contains:**

- **1 High Voltage (HV) Assembly**
- **1 Foil Tape**
- **1 Instruction Sheet**

**Tools Needed:**

- **1/4" Socket/Driver**
- **Needle Nose Pliers**
- **Gloves**

1. Remove the front grill.
2. Locate the ON/OFF switch and toggle the position to OFF. See *Figure 1*.

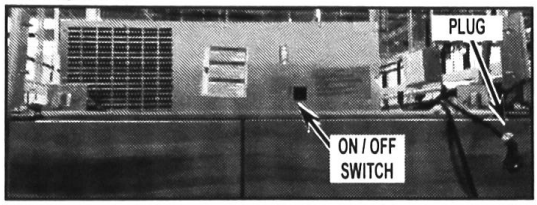


*FIGURE 1*

**⚠WARNING**

**Electrical Shock Hazard**

**Disconnect power before servicing.**

**Replace all parts and panels before operating.**

**Failure to do so can result in death or electrical shock.**

3. Unplug refrigerator or disconnect power.
4. Remove the front panel, set it and screws aside.

**NOTE:** Following the removal of the front panel, the unit will look similar to *Figure 2*.

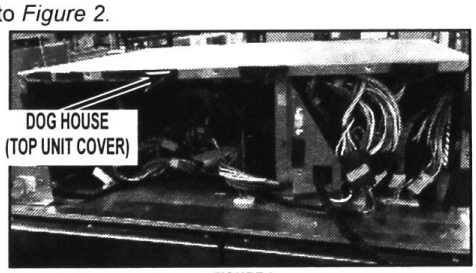


*FIGURE 2*

5. Remove the dog house (top unit cover), set it and screws aside. See *Figure 2*.

**NOTE:** Note the location of the foil tape on the back of the dog house (top unit cover) and remove or cut tape to remove dog house (top unit cover). Following removal of the dog house (top unit cover), the unit will look similar to *Figure 3*.

*FIGURE 3*

6. Disconnect five connectors starting near the compressor. Make sure to disconnect all five connectors circled in *Figure 4*.

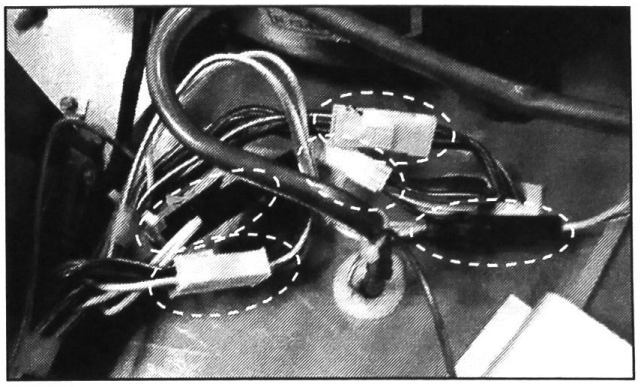

*FIGURE 4*

7. Disconnect the harness from near the inverter. Make sure to disconnect both connectors circled in *Figure 5*.

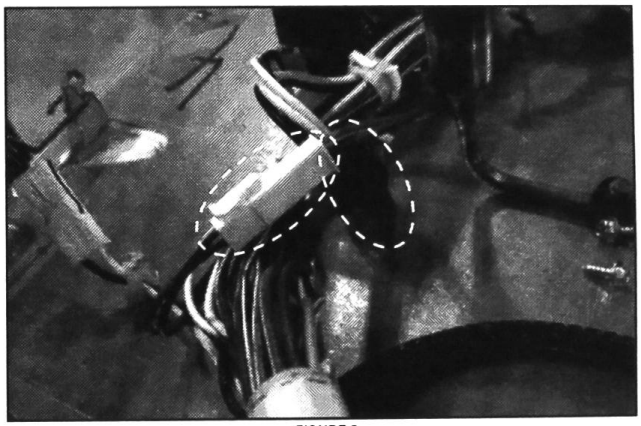

*FIGURE 5*

8. Disconnect door switch connection shown in *Figure 6*. The harness will connect to both door switches.

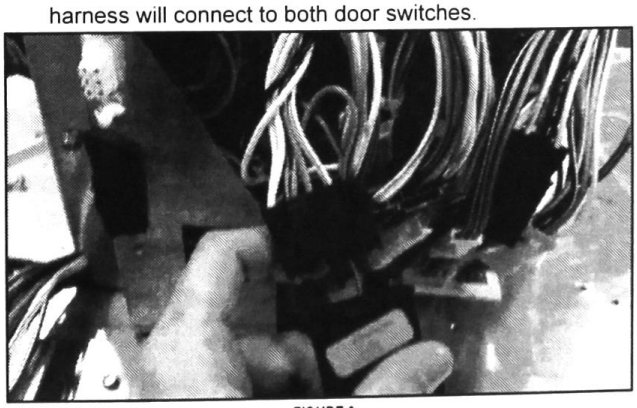

*FIGURE 6*

*(continued)*

9. Disconnect freezer compartment connections by disconnecting the three connectors in the left grommet. See *Figure 7*.

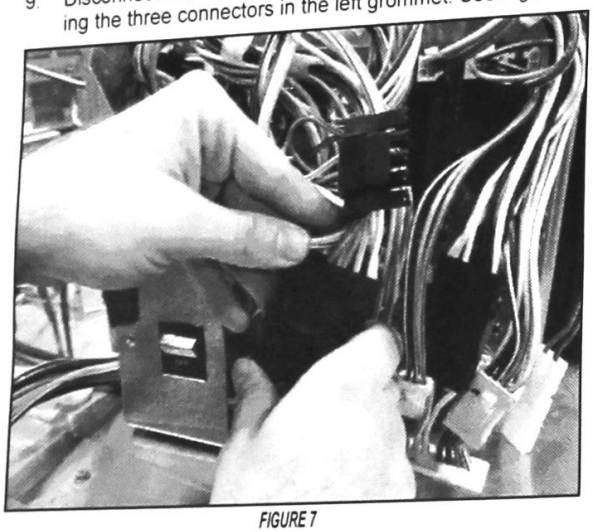

*FIGURE 7*

10. Disconnect refrigerator compartment connections by disconnecting the three connectors in the right grommet. See *Figure 8*.

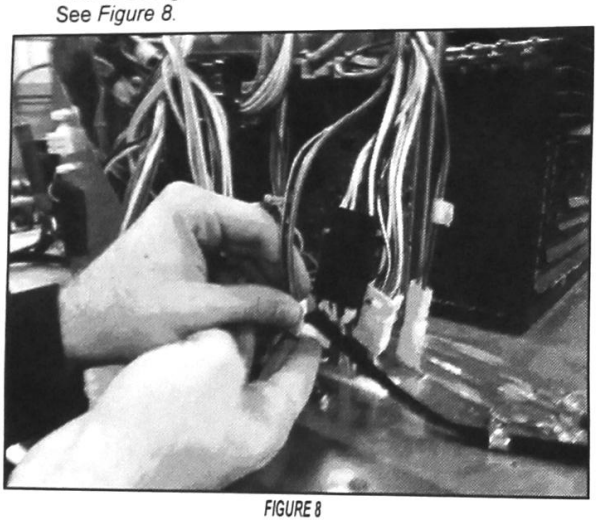

*FIGURE 8*

11. Remove the grounding wire connections to the unit high voltage (HV) box assembly. Set screws aside. See *Figure 9*.

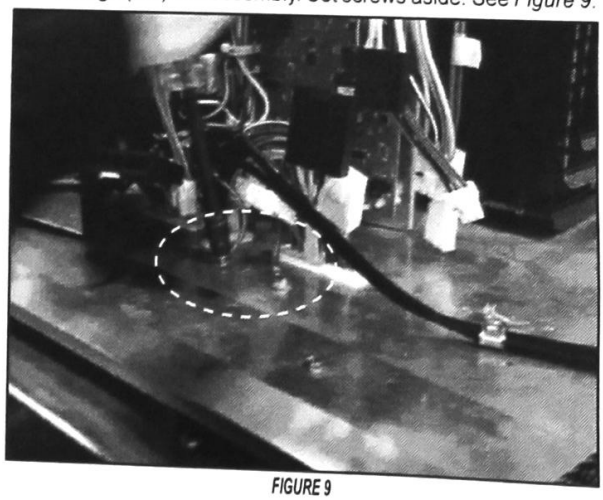

*FIGURE 9*

12. Remove power cord strain relief. Set screws aside and remove the HV box assembly from the unit. See *Figure 10*.

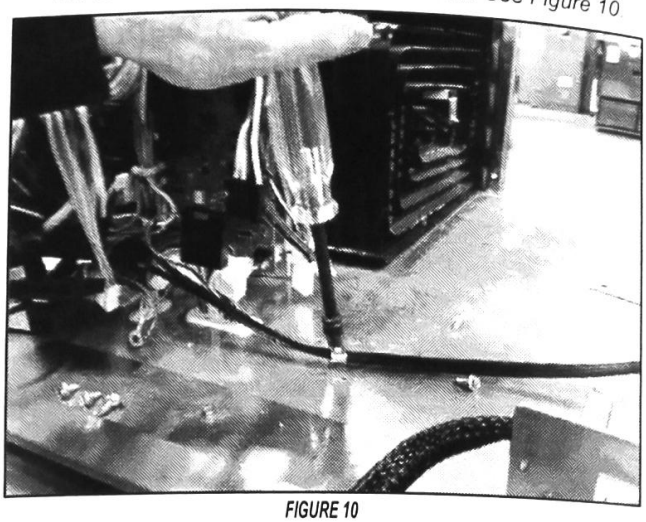

*FIGURE 10*

13. After disconnecting all the connectors and removal of the HV box assembly, the top of the product will look as shown in *Figure 11*.

**NOTE:** Following the removal of the HV box assembly, the circled connections should be present on the unit. See *Figure 11*.

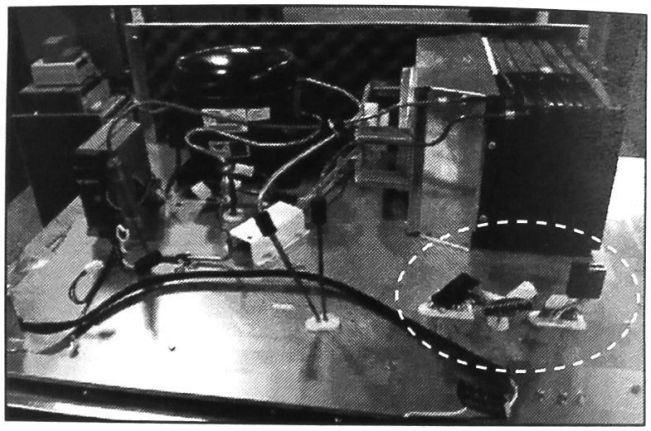

*FIGURE 11*

14. Unpack new HV assembly from the package it was shipped in. Upon unpacking, the new HV assembly will be similar to the image shown in *Figure 12*.

**NOTE:** The High Voltage (HV) Assembly you receive may not look the same as the control shown in the instructions.

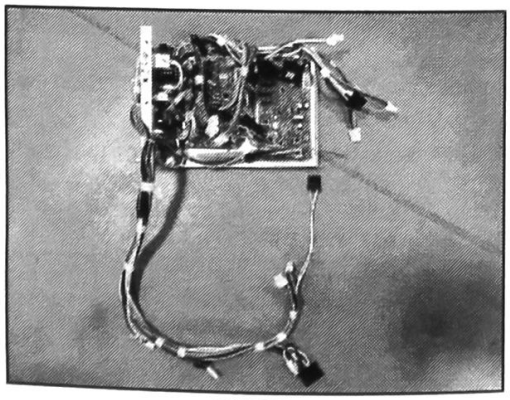

*FIGURE 12*



*(continued)*

15. Remove the two screws holding the switch plate assembly to the original HV box assembly.

**NOTE:** Following the removal of the screws, the switch plate assembly will still be held to the original HV box assembly by the two wires from the master power switch (and, depending on model, possibly the end of line testing connector). See *Figure 13*.

**IMPORTANT:** Not all models that use this kit will have a testing connector, or hole for it in the switch plate assembly. If your unit does not have this feature, proceed to step 20.

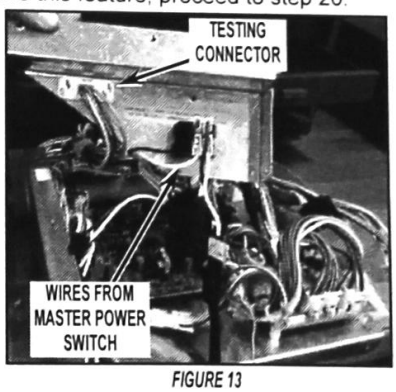


*FIGURE 13*

16. Remove testing connector (if applicable) by using pliers to squeeze the two wings and backing the connector through the switch plate assembly. Repeat this procedure for the opposite side of the connector. See *Figure 14*.

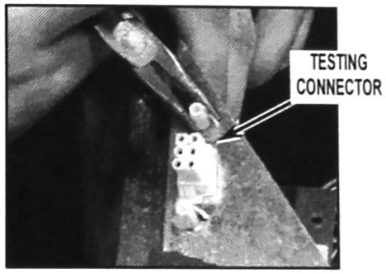


*FIGURE 14*

17. Disconnect top Line and Neutral connectors. Using pliers, disconnect the two wires from the master power switch. See *Figure 15*.

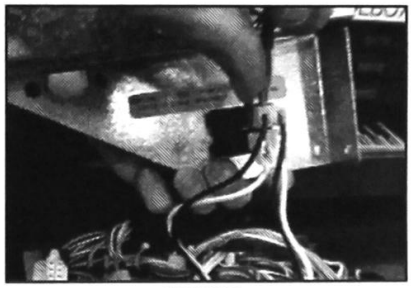

*FIGURE 15*

18. Following the removal of the testing connector and both Line and Neutral, the switch plate assembly will be free from the original HV box assembly. See *Figure 16*.

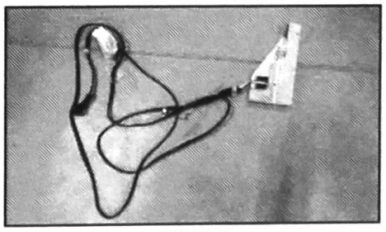

*FIGURE 16*

19. The switch plate assembly will need to be added to the new HV assembly shown in *Figure 12*. Start by reconnecting the testing connector from the new HV assembly. Push the testing connector back through the cutout. See *Figure 17*.

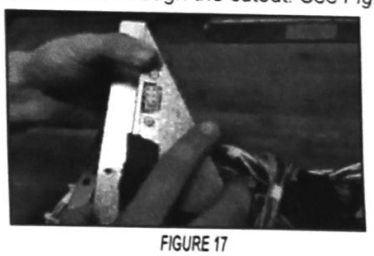

*FIGURE 17*

20. Reconnect Line and Neutral from the new HV assembly to the master power switch on the switch plate assembly. If switch plate does not have hole for end of line testing connector, leave testing connector unattached behind the switch plate. See *Figure 18*.

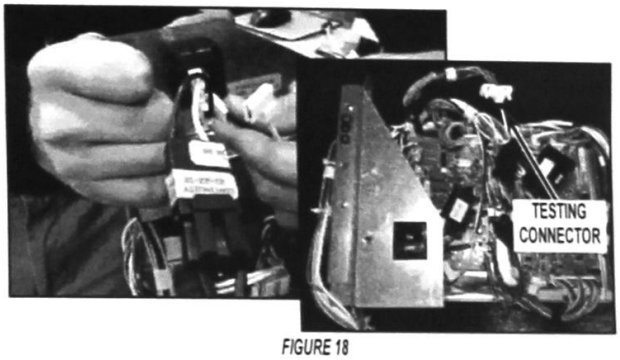


*FIGURE 18*

**NOTE**: Once Line and Neutral have been reconnected to the master power switch, the replacement HV box assembly is complete.

**IMPORTANT**: Do not use the two screws removed in step 15 to reconnect the switch plate assembly to the replacement HV box assembly at this time. See *Figure 19*.

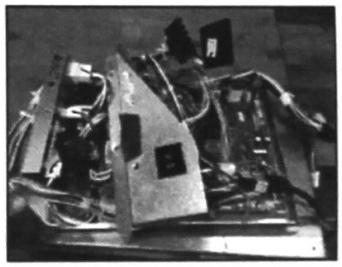

*FIGURE 19*

21. Set the HV box assembly on top of unit for reassembly as shown in *Figure 20*. The screws on the top will not match up with the new HV box assembly.

**IMPORTANT**: Do not put any screws in to connect the HV box assembly to the unit. DO NOT add new holes to top of cabinet to mount this.

*FIGURE 20*

*(continued)*

22. Connect all connectors, starting with the five connectors near the compressor side disconnected in step 6. See *Figure 21*.

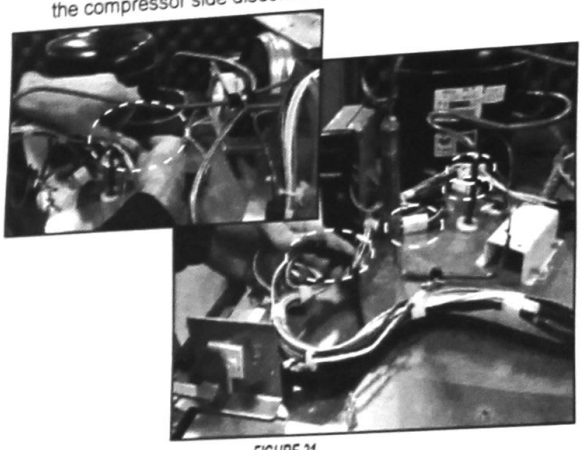

*FIGURE 21*

23. Connect all the HV box assembly connections from step 7 through step 10. See *Figure 22*.

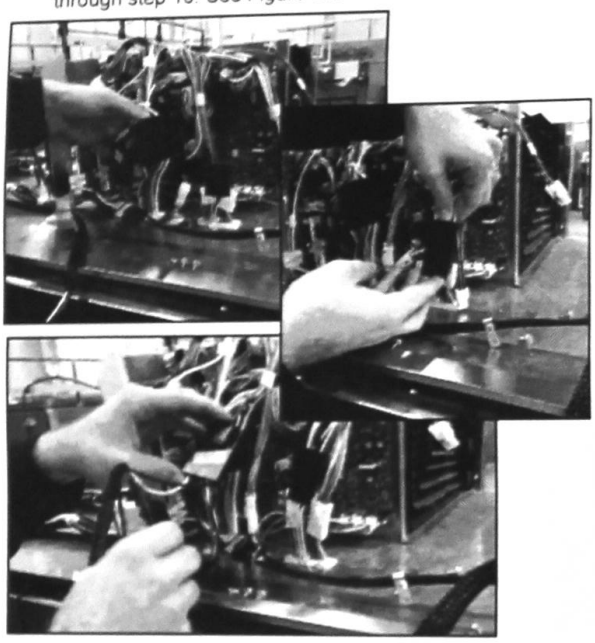

*FIGURE 22*

24. Reconnect the grounding wire connections using the screws from step 11. Re-install screw to power cord strain relief removed in step 12. See *Figure 23*.

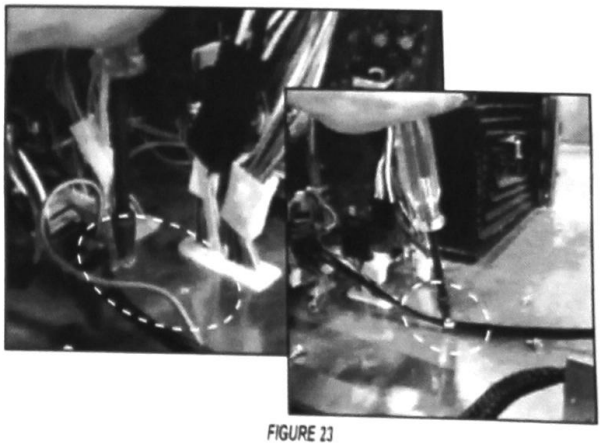

*FIGURE 23*

**NOTE**: This is how the HV box assembly will look like once all the connections are made. See *Figure 24*.

**IMPORTANT:** DO NOT mount switch plate assembly to HV board assembly and do not mount HV box assembly to top of unit.

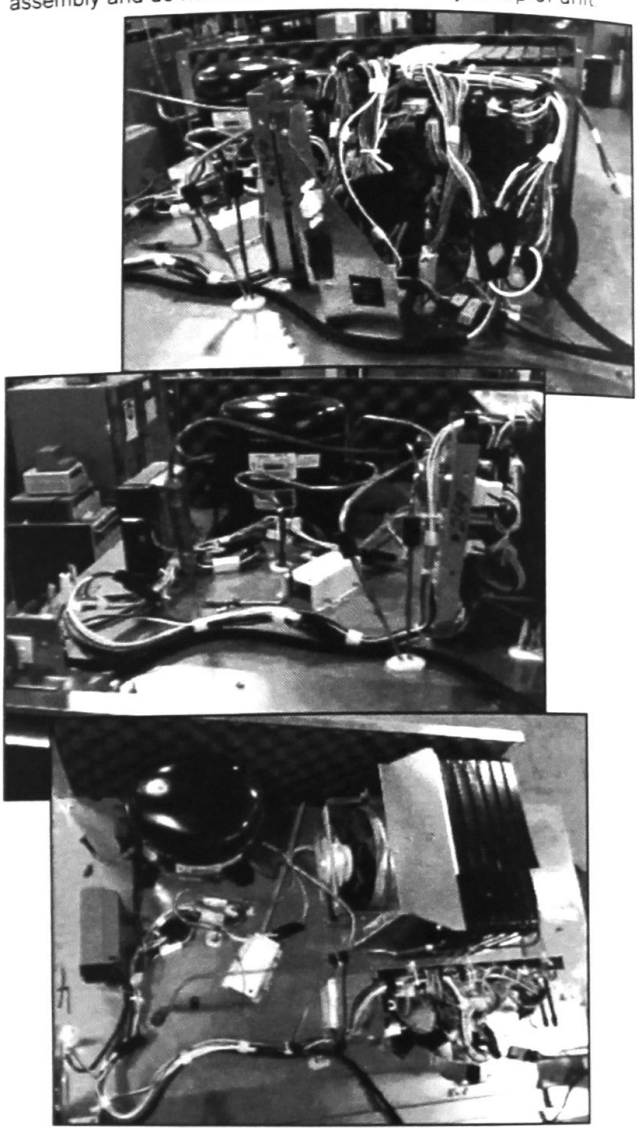

*FIGURE 24*

**IMPORTANT:** Depending on model, the switch plate assembly will need to be attached to either the front panel or the new HV Assembly. If the front panel has a hole for mounting the switch plate assembly, switch plate assembly will be attached to the front panel, otherwise, it will be attached to the new HV box. See *Figure 25*.

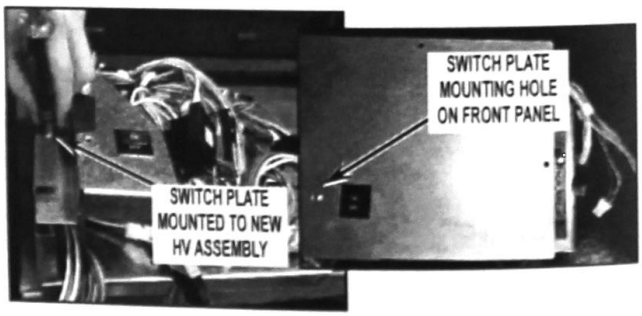


*FIGURE 25*



*(continued)*

25. Assemble the front panel and switch plate assembly. Make sure that the switch and test connectors (if applicable) align before assembling the front panel. There are two screws which need to be mounted as shown in *Figure 26*. Screw quantity and locations will depend on model.

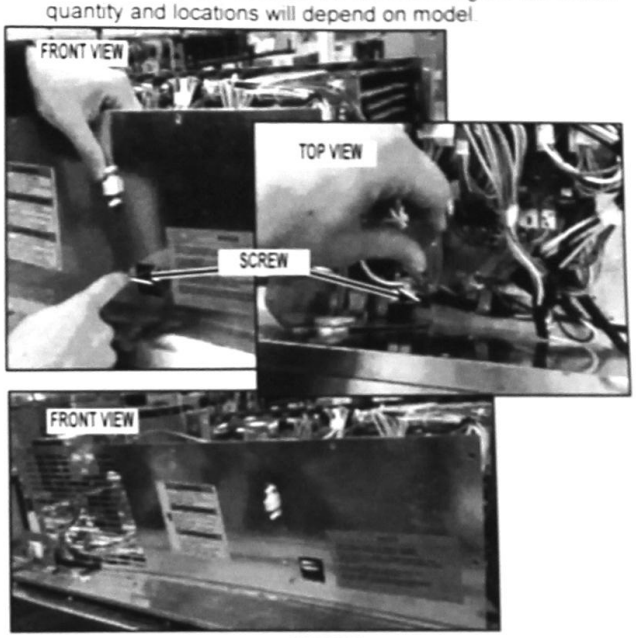


*FIGURE 26*

26. Reattach dog house (top unit cover). Make sure the screw on the right side of dog house (top unit cover) is aligned with the hole on the side of the HV box assembly. Attach front panel to dog house (top unit cover). See *Figure 27*.

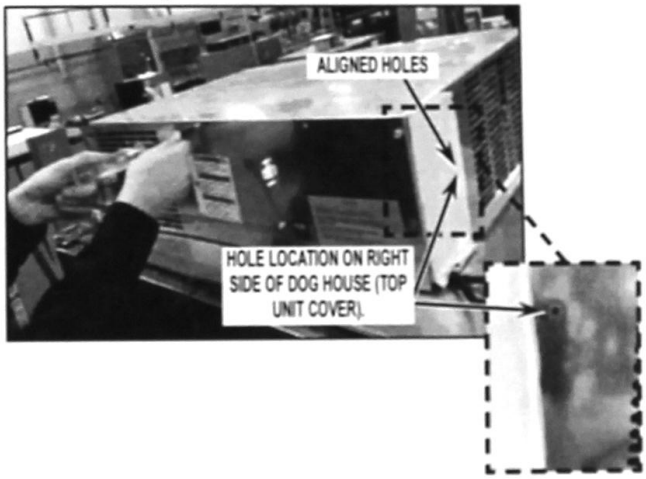


*FIGURE 27*

27. Place the foil tape supplied in the kit, in the location shown in *Figure 28*. It is very important this tape is in place to facilitate proper air flow.

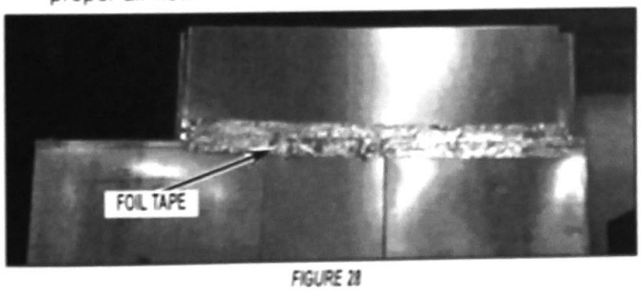


*FIGURE 28*

28. Replace all parts and panels.

**⚠WARNING**

**Electrical Shock Hazard**

**Plug into a grounded 3 prong outlet.**

**Do not remove ground prong.**

**Do not use an adapter.**

**Do not use an extension cord.**

**Failure to follow these instructions can result in death, fire, or electrical shock.**

29. Plug in refrigerator or reconnect power.

30. Locate and turn the switch back to the ON position. The lights in the unit will now turn back on with the door open. To check if the freezer fan is working, put your hand as shown, in the freezer area, and you should feel air blowing. See *Figure 29*.

*FIGURE 29*