INSTALLATION INSTRUCTIONS FOR LOW AND HIGH PRESSURE CONTROL 7½, 8½, 10 AND 12½ TON ROOFTOP AND PACKAGED A/C

⚠ WARNING

THESE INSTRUCTIONS ARE INTENDED AS AN AID TO QUALIFIED SERVICE PERSONNEL FOR PROPER INSTALLATION, ADJUSTMENT, AND OPERATION OF THIS KIT. READ THESE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING INSTALLATION, ADJUSTMENT, OR OPERATION. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN IMPROPER INSTALLATION, ADJUSTMENT, SERVICE OR MAINTENANCE, POSSIBLY RESULTING IN FIRE, ELECTRICAL SHOCK, PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH.

⚠ WARNING

BEFORE BEGINNING ANY MODIFICATION, BE SURE MAIN DISCONNECT SWITCH IS IN THE "OFF" POSITION. FAILURE TO DO SO CAN CAUSE ELECTRICAL SHOCK RESULTING IN PROPERTY DAMAGE, PERSONAL INJURY OR DEATH. TAG DISCONNECT WITH A SUITABLE WARNING LABEL.

1. INSTALLATION PROCEDURE–LOW PRESSURE CONTROL (LPC) AND HIGH PRESSURE CONTROL (HPC)

IMPORTANT: *When making a flare connection, tighten connection one-quarter turn with a back-up wrench. Over-tightening will break the adapter tee or split the flare.*

A. Remove blower access panel and place aside for working space. See Figure 1A.

B. Refer to Figure 1B for location of the LPC.

1. Connect the LPC 1/4" flare nut mounted on the capillary tube to the side of the tee that does not have the valve core installed.
2. Remove the cap from the service port located on the suction line.
3. Mount the adapter tee onto the suction line service port.
4. Be careful not to break the capillary tube while connecting to the service-port on the suction line.
5. Secure LPC to the suction line by using two wire ties (as shown on Figure 1B).
6. Check for leaks with bubble solution or electronic leak detector.
7. Replace access panel.

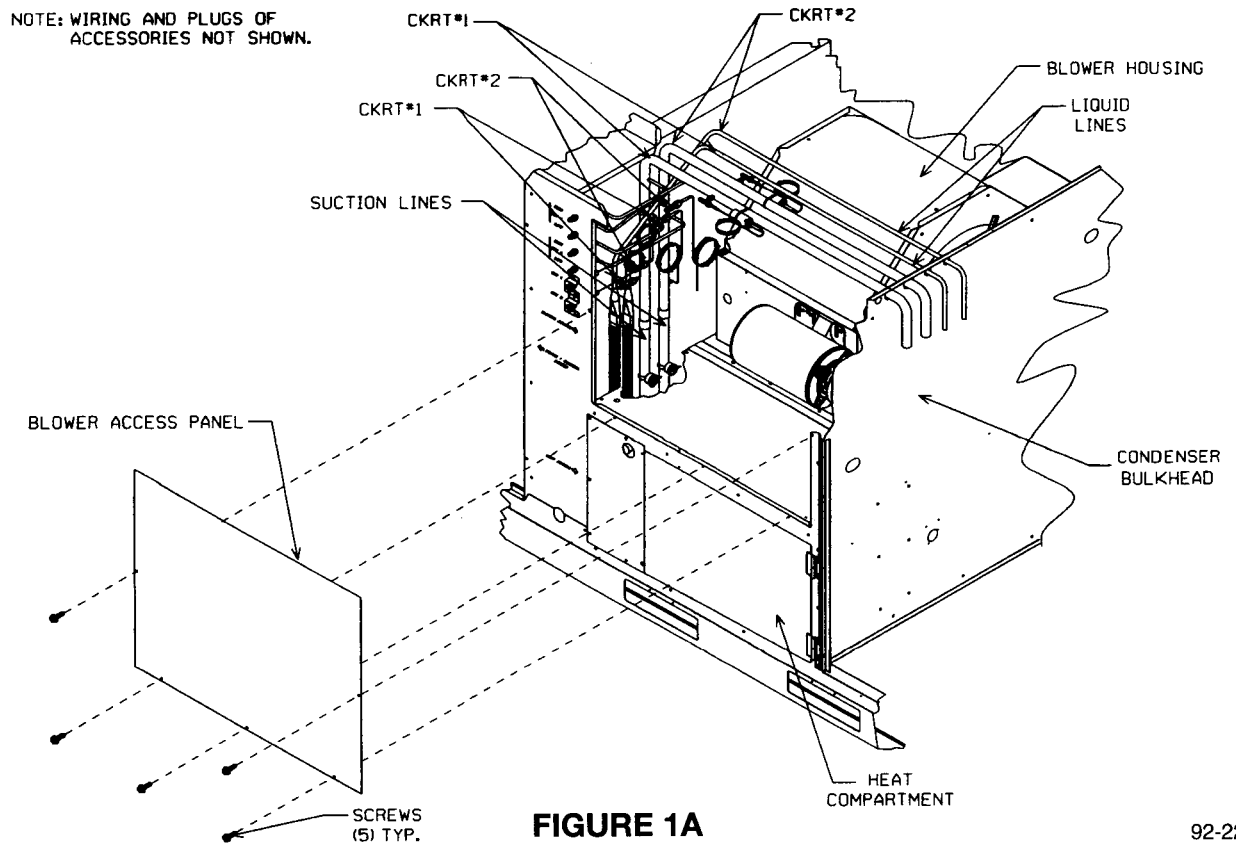


FIGURE 1A

C. Refer to Figure 1A and 1B for location of the HPC.

1. Connect the HPC 1/4" flare nut mounted on the capillary tube to the side of the tee that does not have the valve core installed.
2. Remove the cap from the service port located on the liquid line.
3. Mount the adapter tee with the side of the flare nut onto the liquid line service port.
4. Remove existing plate covering the HPC holes.
5. Mount the HPC into the hole (as shown in Figure 1B) located in the blower compartment, under the high and low service valves located to the left of the blower's access panel, place the high pressure guard over each HPC reset button attach with two screws.
6. Secure the capillary tube-loop with wire ties (as shown in Figure 1) to prevent copper rubbing against other surfaces when the system is in operating mode.
7. Check all connections for refrigerant leaks and repair as necessary.
8. Replace access panel.

NOTE: When factory installed, the refrigerant connections for the LPC and HPC will be brazed.

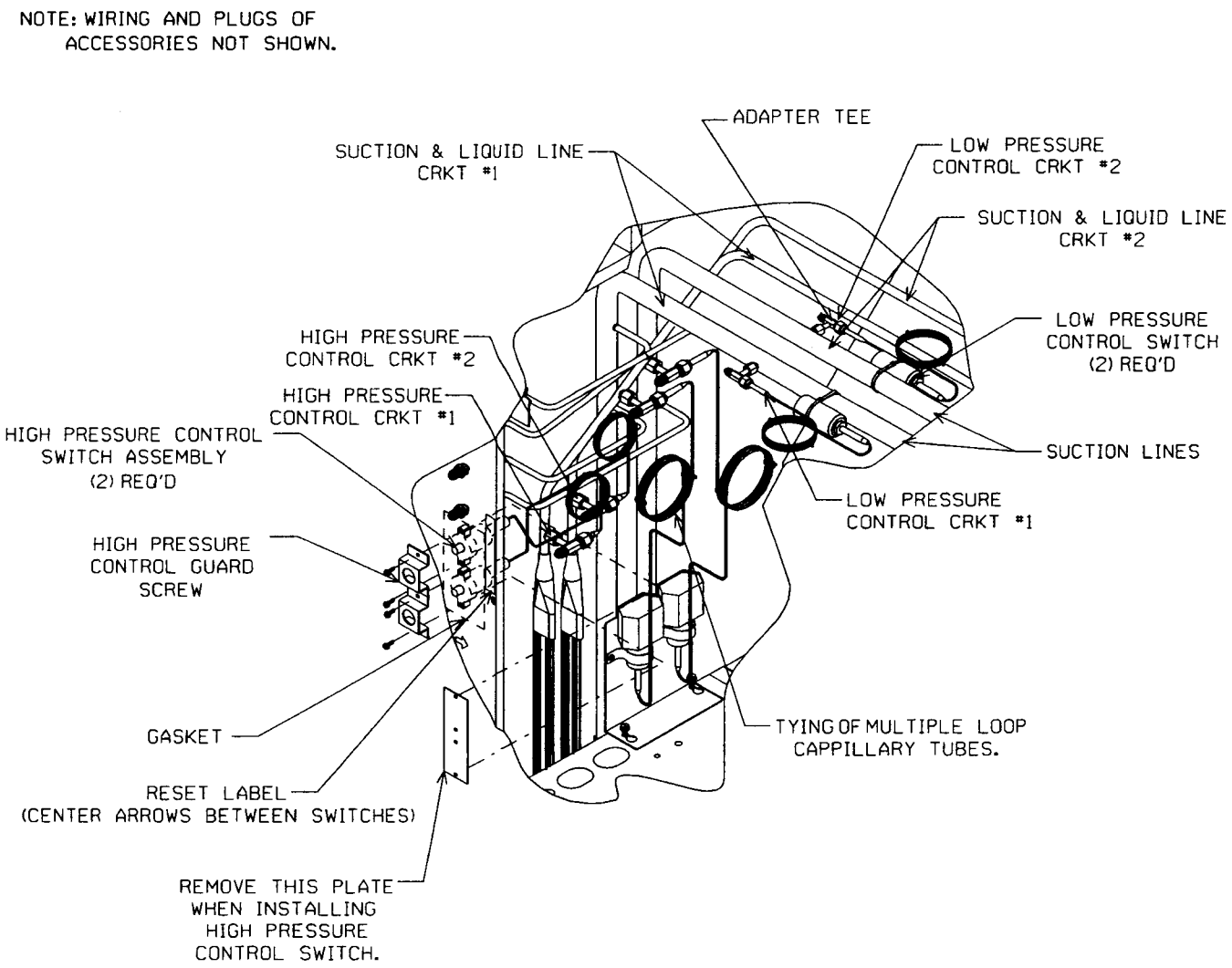


FIGURE 1B

2. ELECTRICAL CONNECTION

A. Refer to the unit wiring diagram in Figure 2 for proper connections.

B. Remove and discard **PL12** and **PL15** jumper plugs located in the blower compartment.

C. Insert the male polarized quick connect plugs for **CKT #1** LPC and HPC into **PL14.**

D. Insert the male plugs for **CKT #2** LPC and HPC into **PL13.**

E. Ensure that all connections are securely fastened.

F. Secure all wires with wire ties.

G. Restore power after checking all connections.

NOTE: FOR FREEZE-STAT (FT) INSTALLATION

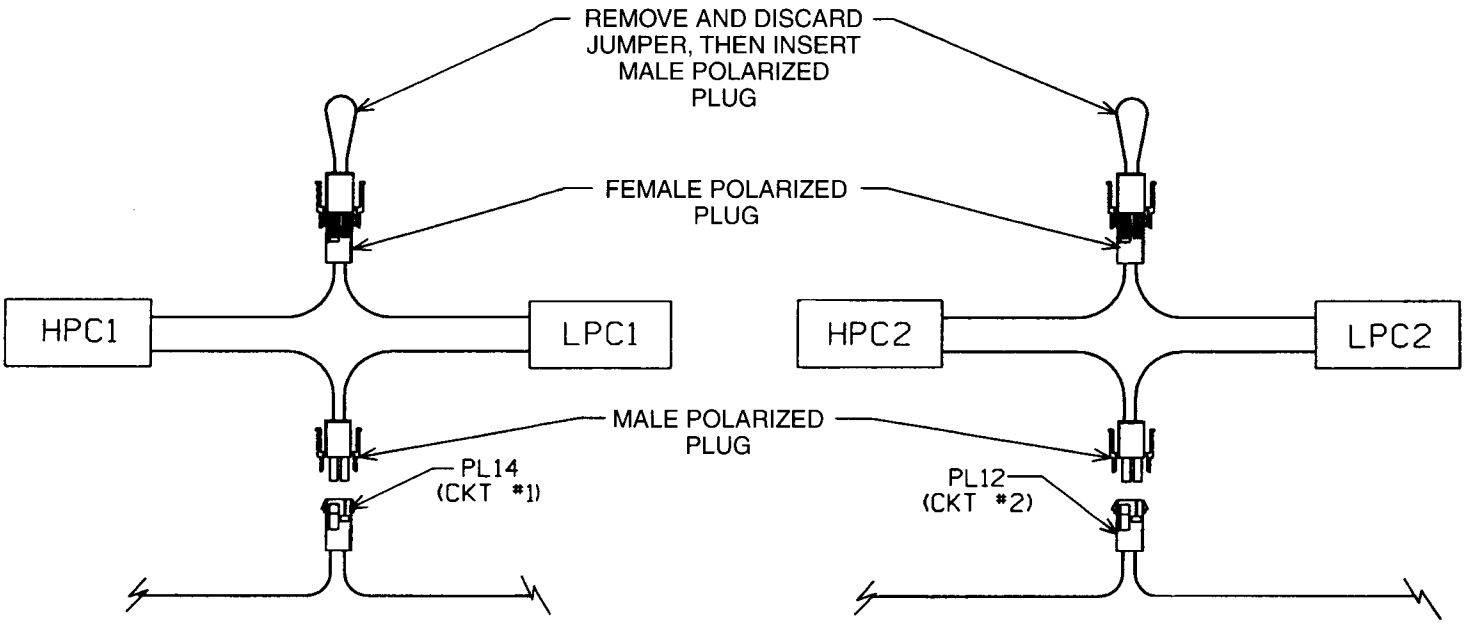


FIGURE 2