

INSTALLATION INSTRUCTIONS

LOW AMBIENT CONTROL PACKAGE RXAD-A04

1½ THROUGH 5 TON UNITS

(208/230-460 VOLT)

⚠ Recognize this symbol as an indication of Important Safety Information!

REMOTE CONDENSING UNITS

⚠ WARNING

THIS ACCESSORY IS TO BE INSTALLED BY A QUALIFIED, LICENSED SERVICE PERSON. TO AVOID UNSATISFACTORY OPERATION OR DAMAGE TO THE PRODUCT AND POSSIBLE UNSAFE CONDITIONS, INCLUDING ELECTRICAL SHOCK, REFRIGERANT LEAKAGE AND FIRE, THE INSTALLATION INSTRUCTIONS PROVIDED WITH THIS ACCESSORY MUST BE STRICTLY FOLLOWED AND THE PARTS SUPPLIED USED WITHOUT SUBSTITUTION. DAMAGE TO THE PRODUCT RESULTING FROM NOT FOLLOWING THE INSTRUCTIONS OR USING UNAUTHORIZED PARTS MAY BE EXCLUDED FROM THE MANUFACTURER'S PRODUCT WARRANTY COVERAGE.

PARTS LIST		
DESCRIPTION	PART NUMBER	QTY.
Low Ambient Control	47-25343-02	1
Adapter	83-21457-03	1
Wire Nuts	45-18058-01	2
Wire Tie	64-17606-01	1
Control Bracket	AE-90946-01	1
Mounting Screw	63-42109-01	1
Grommet	56-40360-15	1
Instructions	92-21458-57	1

⚠ WARNING

BEFORE BEGINNING ANY MODIFICATION, BE SURE MAIN DISCONNECT SWITCH IS IN THE "OFF" POSITION. TAG DISCONNECT WITH A SUITABLE WARNING LABEL.

INSTALLATION INSTRUCTIONS

1. Remove covers required to gain access to the control box and the compressor area.
2. Place control in control bracket and attach to base pan or control box of unit as applicable with mounting screw as shown in Figures 1 and 2.
3. For either style unit unwind control tubing. For "Cube" style unit, split one wall of grommet and place tubing in grommet.
4. For "Cube" style unit route control tubing with flare nut through the knock-out provided in the valve mounting panel. See Figure 3. Install grommet in knock-out hole.

5. Connect flare nut to adapter fitting that does not have a valve core. See Figure 3.

6. Remove cap from liquid line service port and place on remaining adapter fitting with valve core.

NOTE: When installing with a High Pressure Control, the extra cap and core must be removed to accommodate the second control.

7. Securely connect flare nut on adapter to service port on liquid line service valve. Carefully bend control tubing to be free of contact with other items to prevent vibration damage.

8. Check all refrigerant connections for leaks and repair as necessary.

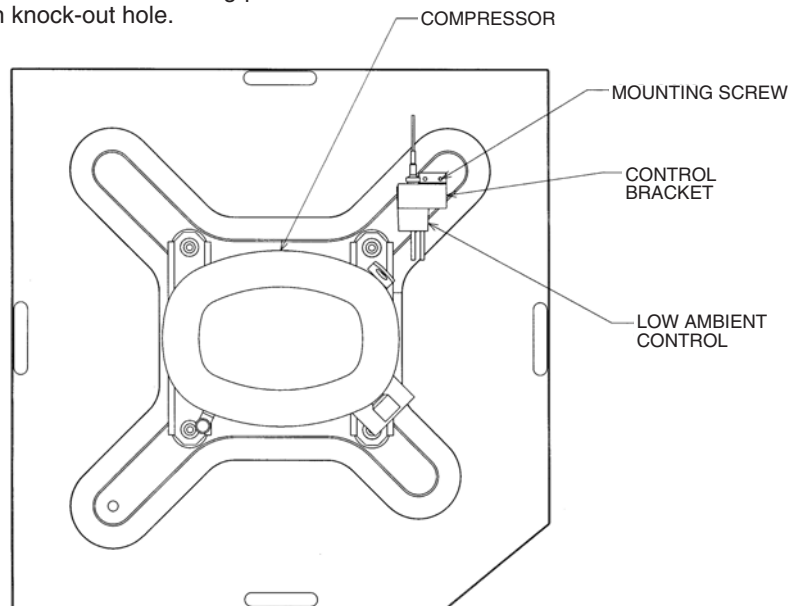
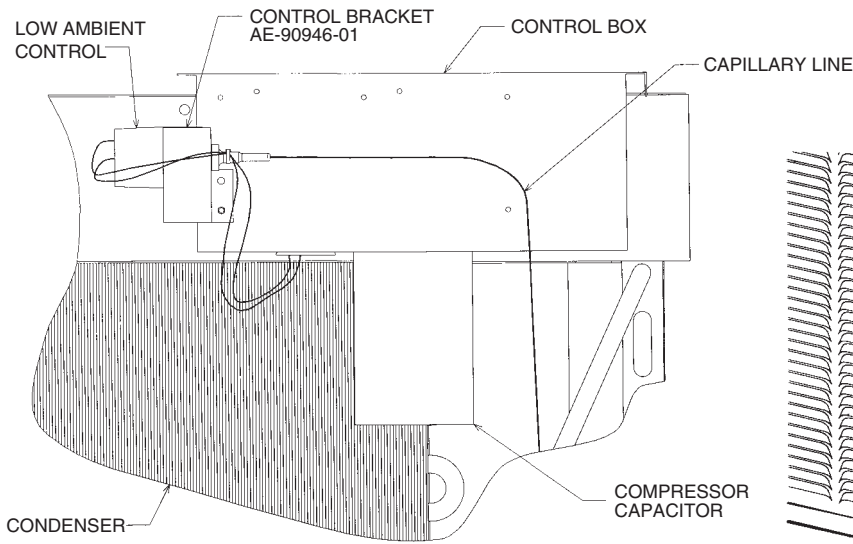


FIGURE 1. CONTROL LOCATION (CUBE UNIT)



**FIGURE 2. CONTROL LOCATION
(RECTANGULAR UNIT)**

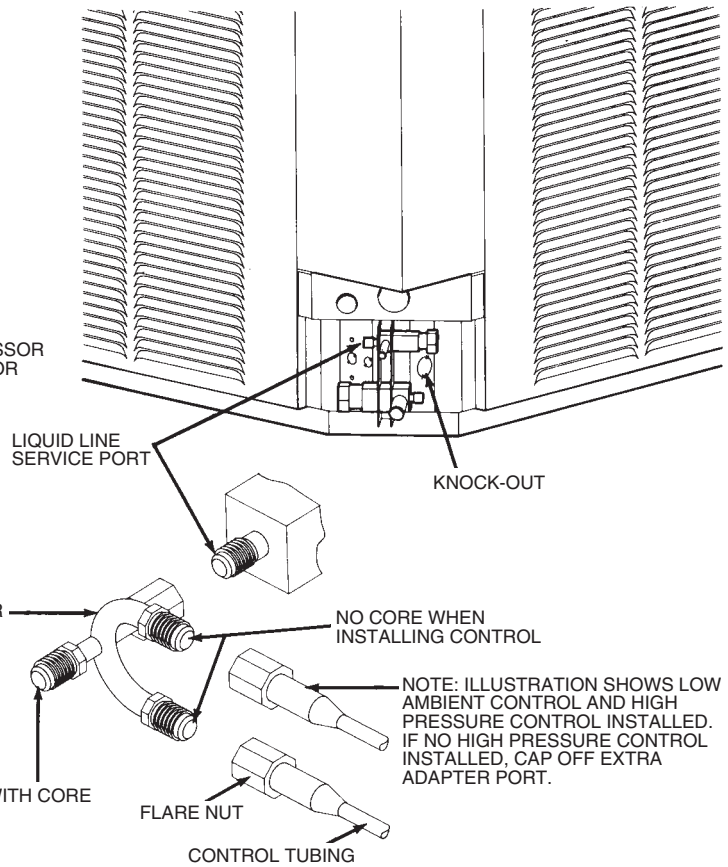


FIGURE 3. FITTING CONNECTIONS

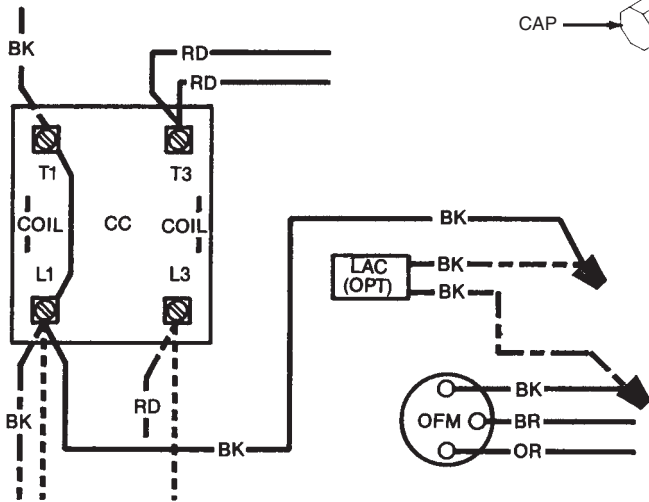


FIGURE 4. WIRING

ELECTRICAL CONNECTIONS

1. Route both black leads from the low ambient control through a wire opening in the back or bottom of control box.
2. The low ambient control is to be connected in series with the outdoor fan motor circuit. The point at which this is done will vary with the type of unit being modified. Refer to the wiring diagram in the unit. Trace the black lead from the outdoor fan motor to the point where it is connected in the control box.

Refer to wiring diagram and remove the fan motor black lead terminal connection. Remove the terminal from the black lead and strip the wire insulation back 1/2". Using a wire nut

(supplied in package), secure the black lead to the black control lead with the stripped end. Attach the other black lead from the low ambient control to the terminal on the contactor vacated by the motor lead. Secure the two black leads to a convenient wire bundle by using the wire tie supplied in the package.

3. Reinstall access panels.
4. Restore power to the unit and check unit operation.

Control cycles outdoor fan off when liquid pressure drops below 150 psig \pm 10, and fan cycles on when liquid pressure rises above 275 psig \pm 10.