

INSTALLATION INSTRUCTIONS

LOW AMBIENT CONTROL PACKAGE

1½ THROUGH 5 TON PACKAGE HEAT PUMP with R-410A (1 CONTROL PACKAGE)

USE KIT NUMBER RXPZ-G01

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

⚠ WARNING

THIS ACCESSORY IS INTENDED TO BE INSTALLED BY A QUALIFIED, LICENSED SERVICE PERSON. FAILURE TO FOLLOW THESE INSTALLATION INSTRUCTIONS CAN CAUSE UNSATISFACTORY OPERATION OR DAMAGE TO THE PRODUCT AND POSSIBLE UNSAFE CONDITIONS, INCLUDING ELECTRICAL SHOCK, REFRIGERANT LEAKAGE AND FIRE RESULTING IN PROPERTY DAMAGE, PERSONAL INJURY OR DEATH. DAMAGE TO THE PRODUCT RESULTING FROM NOT FOLLOWING THE INSTRUCTIONS FOR USING UNAUTHORIZED PARTS CAN BE EXCLUDED FROM THE MANUFACTURER'S PRODUCT WARRANTY COVERAGE.

PARTS LIST		
Description	Part Number	Quantity
Low Ambient Pressure Control	47-100571-02	1
Low Ambient Relay	42-19736-05	1
Wires - Black 6" Wire	AS-50201-09 AB	2
Wires - Blue	AS-50204-23-AB	1
Wires - Brown	AS-50207-17-BB	1
Bracket	AE-56928-01	1
Adapter Tee	83-21457-02	1
Wire Nuts	45-18058-01	2
Wire Ties	64-17606-01	4
Screw #8 X 1/2	63-22153-01	3
Installation Instructions	92-22046-11	1

⚠ WARNING

WARNING: BEFORE BEGINNING ANY MODIFICATION, TURN THE MAIN ELECTRICAL DISCONNECT SWITCH TO THE "OFF" POSITION. FAILURE TO DO SO CAN CAUSE ELECTRICAL SHOCK RESULTING IN PERSONAL INJURY OR DEATH.

IMPORTANT: When making flare connections, use a back-up wrench to avoid breaking connection or splitting flare.

1 1/2 - 5 TON PACKAGE HEAT PUMP INSTALLATION

1. INSTALLING LOW AMBIENT CONTROL WITHOUT HIGH PRESSURE CONTROL BEING INSTALLED.

- A. Remove the condenser fan and cover assembly from top the condenser section.
- B. Remove the compressor access panel and control box cover.
- C. Secure the low ambient control to the bracket provided, using a wire tie. See Figure 1.
- D. Remove the existing screw located midway up the condenser section side panel close to the control box. See Figure 2. Install the bracket and control assembly using existing screw.
- E. Remove the cap from the high side service port line located on the compressor discharge. Install the cap on the service port end (with valve core) of the adapter provided.
- F. Connect the tubing from control end of adapter tee without valve core. Connect adapter tee (with low ambient control attached) to the compressor discharge fitting.

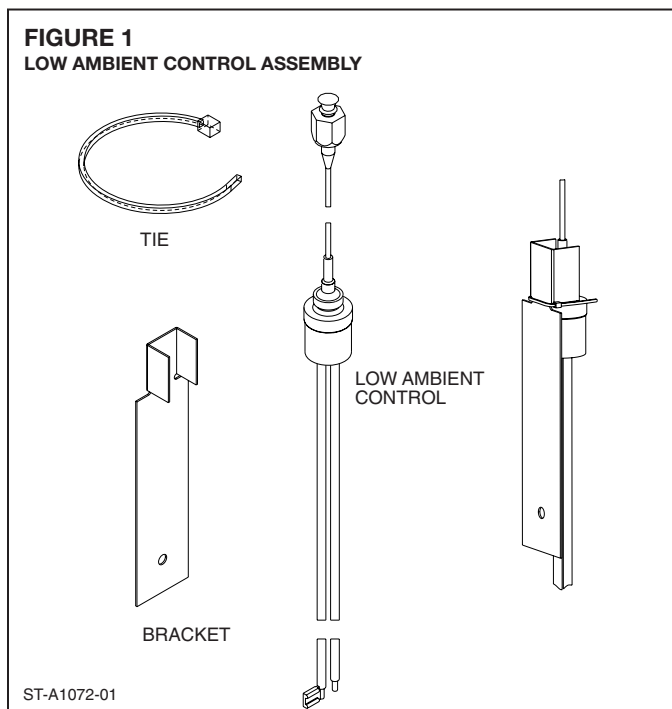
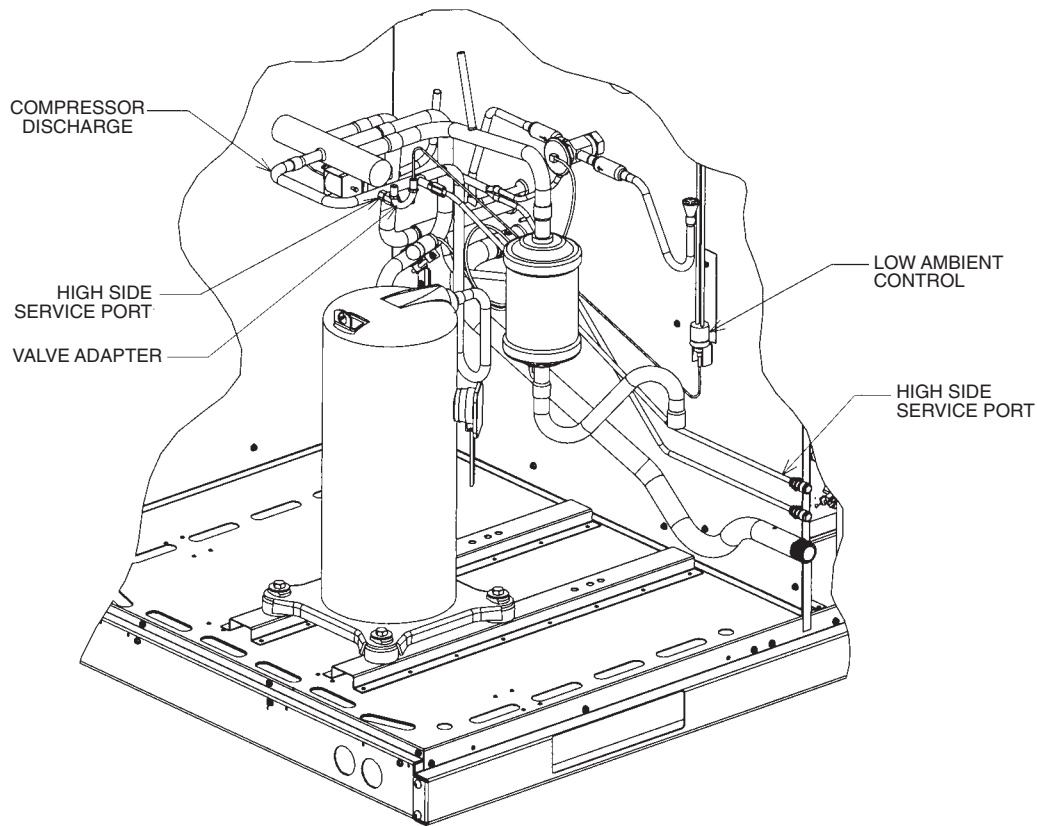


FIGURE 2
LOW AMBIENT CONTROL LOCATION



ST-A1076-01

- G. Carefully route the control tubing to make sure it doesn't come in contact with vibrating parts that could cause damage and connect the tee to the high side service port.
- H. Check all the connections for refrigerant leaks and repair as necessary.
- I. Route the leads from the low ambient pressure control through the bushing in the condenser bulkhead (see Figure 2) and into the control box through the wire passage opening. The wire passage opening is located near the plug housing in the bottom of the control compartment.

Mount the low ambient relay in the control compartment as shown in Figure 4. Plug the two 6" black leads onto the Normally Open relay contacts, terminals 1 & 3.

3. CONNECTIONS (SEE FIGURE 3)

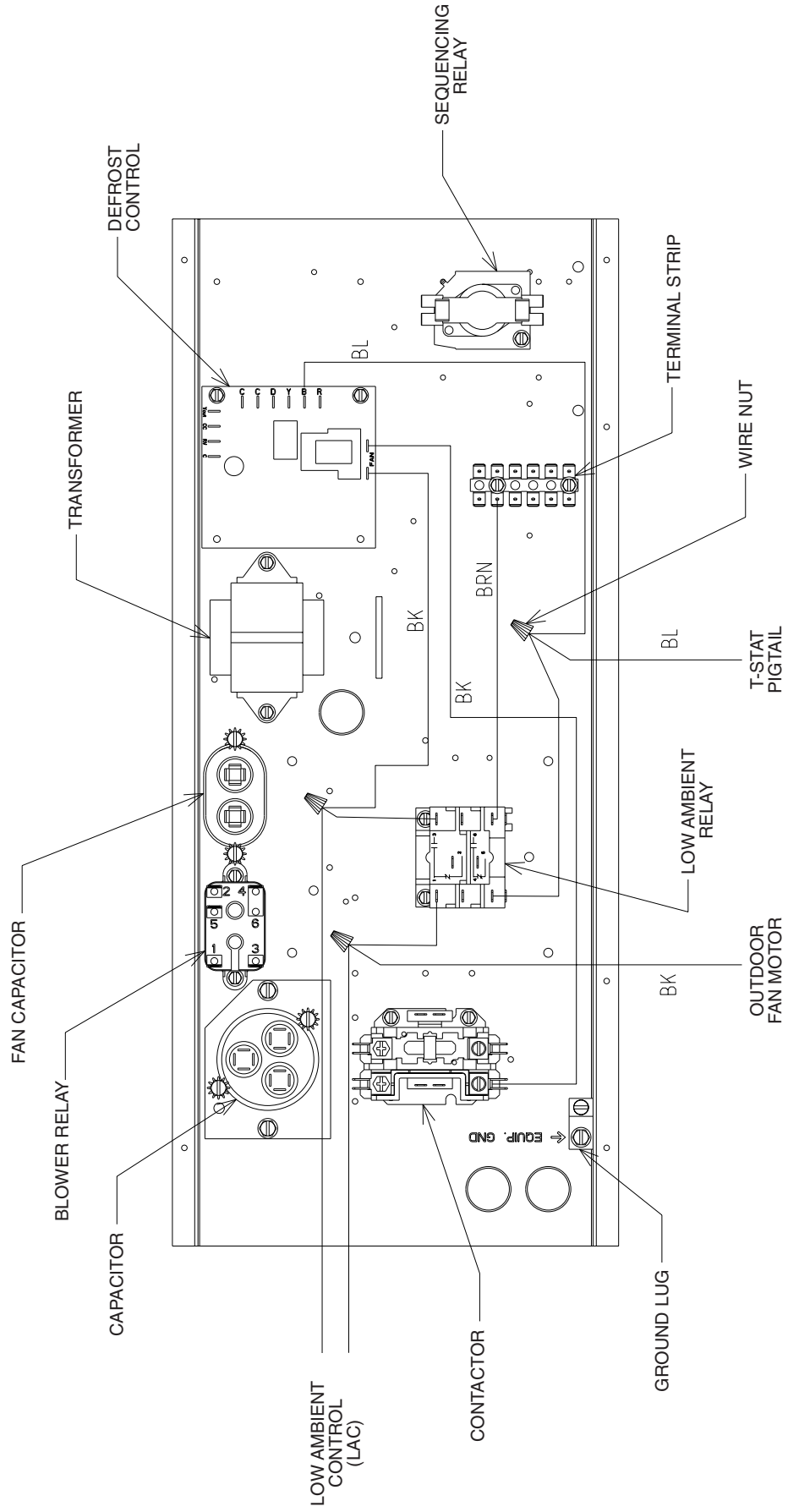
- A. Connect brown low ambient relay lead to the terminal strip.
- B. Route the blue low ambient relay lead through the bushing into the low voltage terminal block and connect to the blue low voltage pigtail with the wire nut provided.

- C. Locate the wire nut that connects the black fan motor lead to the defrost control fan terminal and disconnect the two wires. Connect the defrost control fan terminal with the low ambient relay terminal #1 lead and also one of the two leads from the low ambient pressure control.
- D. With the wire nut provided, connect the black fan motor lead with one of the two low ambient pressure control leads and the low ambient relay terminal #3 lead. Secure the leads from the control to a convenient wire bundle using the wire tie provided.
- E. Reinstall the condenser fan assembly and control box cover. Check the unit operation.

4. UNIT CHECK

- A. With the unit set for cooling, the outdoor fan cycles off when the discharge line pressure drops below 250 ± 10 PSIG.
- B. The outdoor fan cycles on when the discharge line pressure rises above 450 ± 10 PSIG.

FIGURE 3
CONTROL BOX



ST-A1073-01

