

INSTALLATION INSTRUCTIONS

LOW AMBIENT CONTROL KIT

7-1/2 & 10 TON R410A HEAT PUMP

RXRZ-A03

 Recognize this symbol as an indication of Important Safety Information!

▲ 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.

Parts List

| Parts Description | Parts Number | Quantity |
|------------------------------------|----------------|----------|
| Low Ambient Control | 47-21465-07 | 1 |
| Accessory Relay | 42-19736-05 | 1 |
| Relay Mounting Screws | 63-22338-06 | 2 |
| Relay Coil Connection Wire (blue) | AS-50204-29-7E | 1 |
| Relay Coil Connection Wire (brown) | AS-50207-13-DE | 1 |
| Relay Coil Connection Wire (black) | AS-50201-21-DE | 2 |
| Wire Tie | 64-17606-01 | 4 |
| Wire Nuts | 45-18058-10 | 2 |
| Installation Instructions | 92-22046-13 | 1 |

▲ 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. Low Ambient Switch Installation

- a. Shut off power to unit (see warning above).
- b. Remove compressor access panel.
- c. Remove brass cap from Schrader valve located next to the high pressure control (see illustration).
- d. Screw Low Ambient control onto Schrader valve torque to 8-10 ft/lbs.

2. Switch Electrical Connections

- a. Push wires on the low ambient control into the defrost control box through the hole in the bottom.

- b. Remove wire nut from two black wires (with LAC labels) in the defrost control box and separate the wires.
- c. Attach each wire from the low ambient control to one of the LAC wires using separate wire nuts.
- d. Refer to the unit wiring diagram to verify proper connections.
- e. Replace compressor access panel.

3. Relay Installation

- a. Open control section door.
- b. Remove control panel cover.
- c. Mount Accessory Relay to control panel on the right side of the Defrost Relay.

4. Relay Electrical Connections

- a. Disconnect black wire from TB4(1) and reconnect to AR(1).

- b. Attach one black wire (AS-50201-21-DE) to AR(1) and TB4(1).
- c. Attach one black wire (AS-50201-21-DE) to AR(3) and TB4(2).
- d. Attach Blue wire (AS-50204-29-7E) to AR coil (left terminal) and IFC(B).
- e. Attach Brown wire (AS-50207-13-DE) to DR coil (right terminal) and AR coil (right terminal).
- f. Refer to the wiring diagram (90-23595-16) to verify proper connections.
- g. Secure loose wires with wire ties.
- h. Replace control panel cover.
- i. Close control section door.
- j. Restore power to unit and check for proper operation.

FIGURE 1
LOW AMBIENT INSTALLATION

