INSTALLATION INSTRUCTIONS
LOW AMBIENT CONTROL PACKAGE
20 TON CONDENSER

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.*

WARNING: BEFORE BEGINNING ANY MODIFICATION, BE SURE THE MAIN ELECTRICAL DISCONNECT SWITCH IS IN THE "OFF" POSITION.

CAUTION: *When making flare connections, use a back-up wrench to prevent rotation of fittings and subsequent line damage!*

INSTALLING FAN CYCLE CONTROLS

1. Remove compressor access panel on end with electrical box.
2. Secure the fan cycle control to the panel between coils using bracket and screws provided. The panel has holes for this purpose. See Figures 1 and 2.
3. Uncoil the control capillary tube and securely attach the flare nut to the male fitting end (without the valve core) of the adapter tee. Fan cycle capillary tube must be attached to adapter tee before installation to liquid line service port. Retain minimum of one (1) loop in capillary tube as shown in Figure 2.
4. Remove cap from liquid line service port and install on the male fitting end (with valve core) of the adapter tees. Liquid line service port is located on liquid line service valve.
5. Connect female end of adapter tee to liquid line service port.
6. Check all refrigerant connections for leaks and repair as necessary.

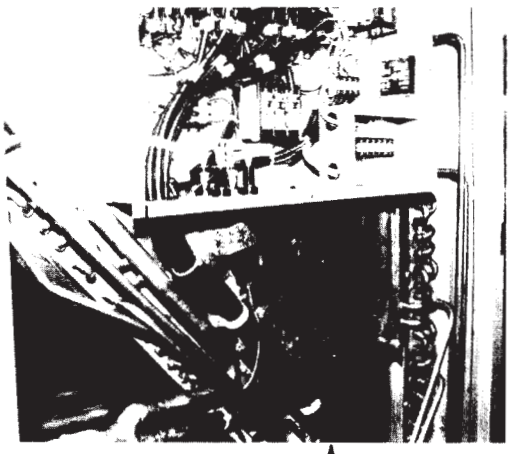


FIGURE 1

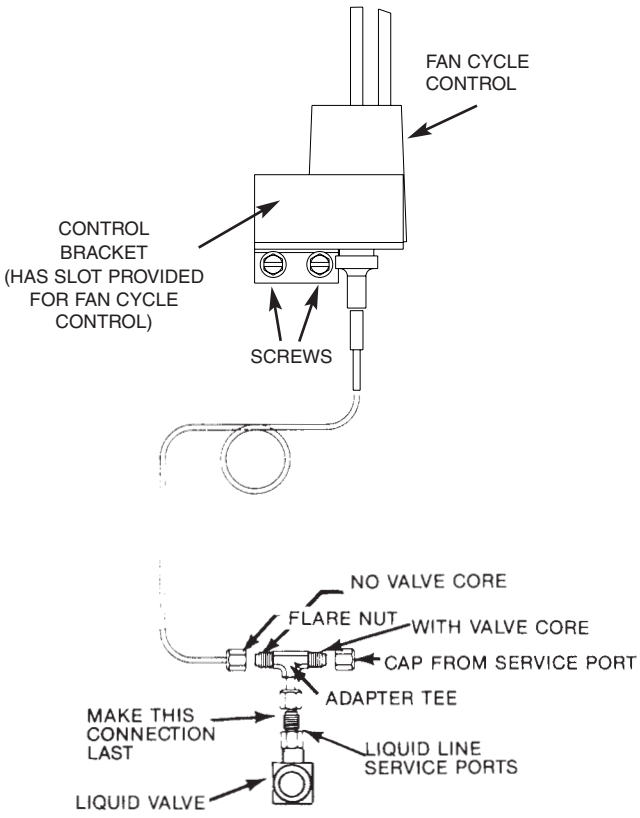


FIGURE 2

ELECTRICAL CONNECTIONS

Open control box lid and locate TB in high voltage area of control box. Route wires from fan cycle controls to TB. Refer to unit wiring diagram located on compressor access panel. See Figure 5.

1. Remove J3 (between terminals 1 and 2) and discard.
2. Select one wire with plain end from fan cycle control and install wire to TB terminal 2.
3. Select the other wire with ¼" flag from fan cycle control and cut off flag. Strip wire ⅜". Install wire to TB terminal 1.

UNIT CHECK

1. Restore power and check unit for proper operation.
2. Outdoor fans cycle off when liquid pressure drops below 175, ± 10 PSIG.
3. Outdoor fans cycle on when liquid pressure rises above 250, ± 10 PSIG.

This accessory is used when unit operation is required during low ambient conditions. Installation of this control provides a means of de-energizing the condenser fan motor not controlled by standard (factory installed) ambient thermostat. This permits the suction (low side) to remain above the point which can cause icing of evaporator (inside coil).

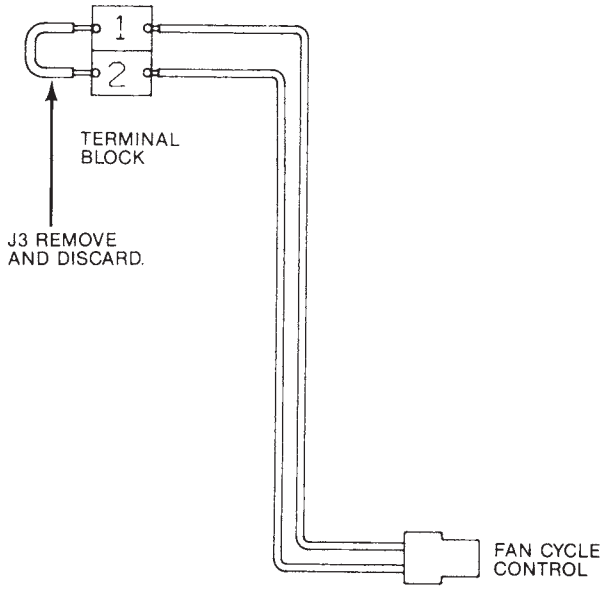


FIGURE 4