

ACCESSORY KIT INSTALLATION INSTRUCTIONS

FUSE BLOCK ACCESSORY MODELS 2FB04700825 & 2FB04700846 (SERIES "2CE" ELECTRIC HEATERS) FOR SINGLE PACKAGE AIR CONDITIONERS 3 THRU 6 TON SINGLE PACKAGE HEAT PUMPS 3 THRU 5 TON

GENERAL

The following instruction provides all the necessary information for field assembling a fuse block accessory on the air conditioners and heat pumps listed above.

When required by local code (Chicago), these fuse block accessories are used in conjunction with the specific electric heat accessory listed in Table 1 plus the equivalent heating option if factory installed.

TABLE 1: ACCESSORY APPLICATION

Fuse Block Accessory Model	ELECTRIC HEATER	
	MODEL	VOLTAGE
2FB04700825	2CE04510525	208/230-3-60
	2CE04510725	
2FB04700846	2CE04510746	460-3-60
	2CE04511046	
	2CE04511546	
	2CE04512046	
	2CE04513046	

The following heaters include a fuse box as standard equipment:

- all 208/230-1-60 heaters
- all 208/230-3-60 heaters above 8KW

Heaters with 575 voltages do not have fuse boxes. (Not required by CSA nor any Canadian local codes.)

INSTALLATION

INSTALLATION FOR DCE/DHE/DEE/DHC/DHB 036 THRU 076 PACKAGED COOLING UNITS AND BCH/BCB 036 THRU 060 PACKAGED HEAT PUMPS.

Install the fuse block accessories as follows:

NOTE: Most of the following installation procedures are duplicates of the electric heater accessory installation procedures. Refer to "For Heaters With A Fuse Box" section in the installation instruction.

1. Disconnect all electrical power to the unit.
2. Remove the following panels from the basic unit.
 - Heating access panel
 - Heater control box cover
 - Blower access panel
 - Unit control box access panel

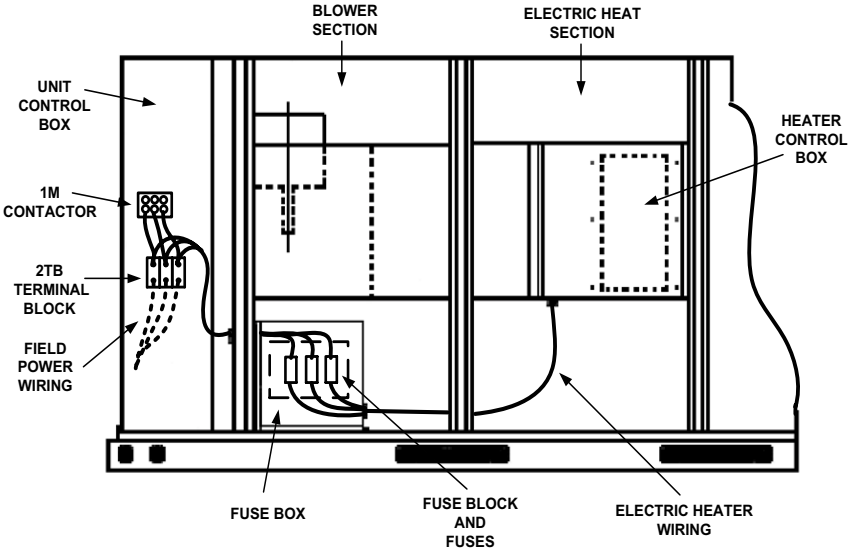


FIGURE 1 - TYPICAL FUSE BLOCK INSTALLATION FOR DCE/DHE/DEE/DHC/DHB 036 THRU 076 PACKAGED COOLING UNITS AND BCH/BCB 036 THRU 060 PACKAGED HEAT PUMPS

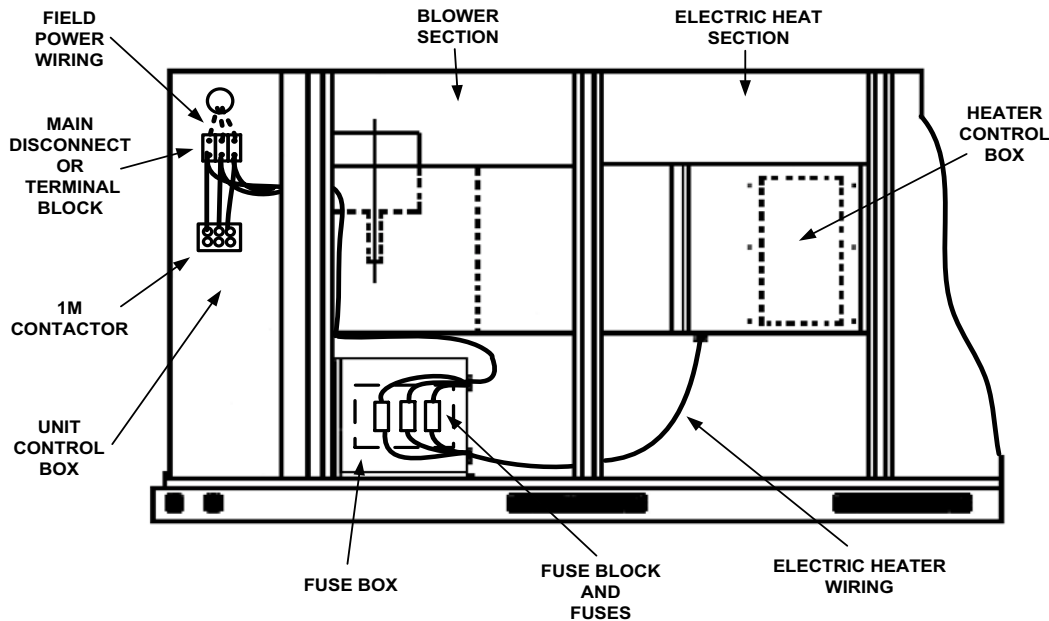


FIGURE 2 - TYPICAL FUSE BLOCK INSTALLATION FOR DM/DF/DH 036 THRU 076, DL/DS/DU -03 THRU -A6 PACKAGED COOLING UNITS AND BQ 036 THRU 060, BB -03 THRU -05 PACKAGED HEAT PUMPS.

NOTE: Motor leads are held to the blower by plastic ties. Do not disturb the ties.

3. Remove the 1-3/4" knockout from the right hand side of the unit's main control box. Insert the plastic bushing provided into the knockout hole from the blower section side of the control box. The retaining collar on the bushing **MUST** be on the blower side of the control box for proper fuse box fit-up.
4. Mount the fuse box (containing the fuse block and fuses) inside the blower section. Attach the upper left hand flange on the fuse box to the back of the main control box with one screw provided. The mounting hole is located above the 1RC capacitor. Attach the bottom right hand flange on the fuse box to the unit 1 base, at the holes provided, with two screws. See Figure 1.

NOTE: If insulation grip nail fasteners on the base of the blower section interfere with proper mounting of the fuse box, they should be broken off.

CAUTION

Exercise care when securing the fuse box in position to make sure that the evaporator low temperature sensor control leads are not pinched or cut. If leads must be routed away from sheet metal edges, visually check the control to insure its location has not been disturbed.

5. Open the hinged fuse box cover to gain access to the inside. Insert the three power leads from the heater harness through the hole in the right-hand side of the fuse box and through the cable connector. This connector is supplied with the heater kit to secure the power leads to the fuse box. Position connector so that the connector nut is located on the outside of the fuse box. Tighten nut.

NOTE: Wrap leads with a minimum of 3 layers of tape where they come in contact with the connector. **DO NOT** tighten the connector clamp screws until the leads are connected and in place.

6. Insert the three (3) power leads from one side of the fuse block to the top terminals of the terminal block (2TB) through the bushing installed in Step 3. Connect the three (3) power leads from the heater harness in Step 5 to the opposite side of the fuse block. Refer to the wiring labels inside of the fuse box cover for proper wiring connections.
7. Adjust all wires for the proper slack, now tighten the screws on the connector clamp to secure in position.
8. Connect the field power wiring to the bottom terminals of the terminal block (2TB).
9. Close fuse box cover, replace cover on the heater control box and re-install the unit panels that were removed in Step 2.
10. Reconnect power to the unit.

INSTALLATION FOR DM/DF/DH 036 THRU 076, DL/DS/DU -03 THRU -A6 PACKAGED COOLING UNITS AND BQ 036 THRU 060, BB -03 THRU -05 PACKAGED HEAT PUMPS.

Install the fuse block accessories as follows:

NOTE: Most of the following installation procedures are duplicates of the electric heater accessory installation procedures. Refer to "For Heaters With A Fuse Box" section in the installation instruction.

1. Disconnect all electrical power to the unit.
2. Remove the following panels from the basic unit.
 - Heating access panel
 - Heater control box cover
 - Blower access panel
 - Unit control box access panel
3. Mount the fuse box (containing the fuse block and fuses) inside the blower section. Attach the upper left hand flange on the fuse box to the back of the main control box with one screw provided. The mounting hole is located about 6" up from the bottom of the control box in the rounded corner of the box. Attach the bottom right hand flange on the fuse box to the unit base, at the holes provided, with screws provided. See Figure 2.

NOTE: If insulation grip nail fasteners on the base of the blower section interfere with proper mounting of the fuse box, they should be broken off.

4. Disconnect heater power wiring harness from the bottom terminals of the unit disconnect or terminal block in the unit control box.
5. Loosen the electrical connector holding the heater power harness and remove the harness from the connector.
6. Open the hinged fuse box cover to gain access to the inside. Insert the three (3) power leads from the heater harness through the bottom hole in the right-hand side of the fuse box and through the electrical connector. This connector is supplied with the fuse block kit to secure the power leads to the fuse box. Position connector so that the connector nut is located on the outside of the fuse box. Tighten nut.

NOTE: Wrap leads with a minimum of 3 layers of tape where they come in contact with the connector.

NOTE: DO NOT tighten the connector clamp screws until the leads are connected and in place.

7. Connect the three (3) power leads of the heater harness removed in Steps 4 thru 6 to the bottom terminals of the fuse block.
8. Insert one end of the three (3) power leads from the fuse block kit through the top hole in the right-hand side of the fuse box and through the electrical connector. This connector is supplied with the fuse block kit to secure the power leads to the fuse box. Position connector so that the connector nut is located on the outside of the fuse box. Tighten nut.

NOTE: Wrap leads with a minimum of 3 layers of tape where they come in contact with the connector.

NOTE: DO NOT tighten the connector clamp screws until the leads are connected and in place.

9. Insert the other end of the three (3) power leads from the fuse block kit into the cable connector in the unit control box.
10. Connect the three (3) power leads that were inserted in the fuse box, to the top terminals of the fuse block.
11. Connect the three (3) power leads that were inserted in the unit control box, to the bottom terminals of the unit disconnect or terminal block. Refer to the wiring labels inside of the fuse box cover for proper wiring connections.
12. Adjust all wires for the proper slack, now tighten the screws on the connector clamp to secure in position.

CAUTION

Exercise care when securing the fuse box in position to make sure that the evaporator low temperature sensor control leads are not pinched or cut. If leads must be routed away from sheet metal edges, visually check the control to insure its location has not been disturbed.

13. Close fuse box cover, replace cover on the heater control box and re-install the unit panels that were removed in Step 2.
14. Reconnect power to the unit.

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Supersedes: 035-19457-000-A-0303
035-19457-000-B-0403

**Unitary
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**5005
York
Drive**

**Norman
OK
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