## INSTALLATION INSTRUCTIONS

## **MODELS**

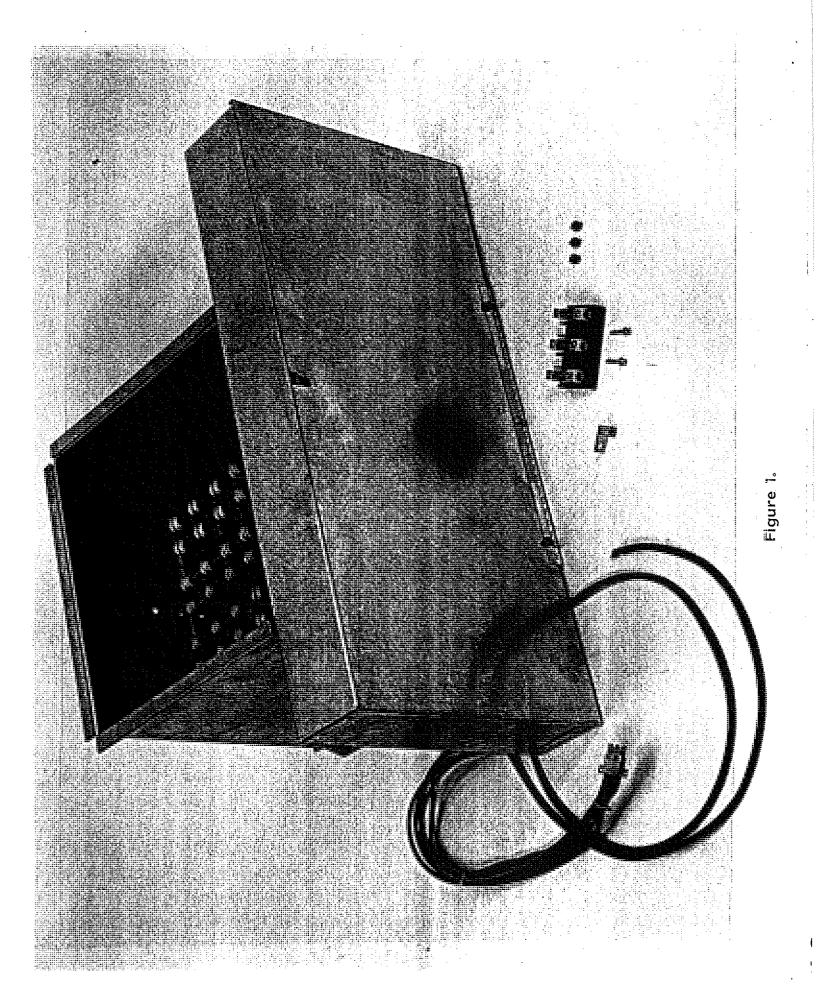
EH5RA-A05	EH5RA-B06	EH5RA-C06
EH5RA-A10	EH5RA-B09	EH5RA-C09
EH5RA-A15	EH5RA-B12	EH5RA-C12
EH5RA-A20	EH5RA-B15	EH5RA-C15
EH5RA-A25	EH5RA-B18	EH5RA-C18
	EH5RA-B21	EH5RA-C21
	EH5RA-B24	EH5RA-C24

# OPTIONAL ELECTRIC HEAT PACKAGES

FOR USE WITH MODELS RPMA42, RPMA48, RPMA60 RPMH42, RPMH48, RPMH60

> MANUAL 2100-111 REV. C SUPERSEDES REV. B FILE VOL. II, TAB 12

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## **IMPORTANT**

The equipment covered in this manual is to be installed by trained, experienced service and installation technicians.

#### SHIPPING DAMAGE

Upon receipt of equipment, the carton should be checked for external signs of shipping damage. If damage is found, the receiving party must contact the last carrier immediately, preferably in writing, requesting inspection by the carrier's agent.

## UNPACKING THE HEAT PACKAGE

Remove the heat package from the shipping carton. The heat package must consist of the following: (See Figure 1)

- 1. Basic heater enclosure with controls and installation instructions.
- 2. Plastic bag containing (1) 230V terminal block, (1) grounding lug, (3) #10-16 x 1/2 screws and (2) #8-18 x 3/4" screws.

#### INSTALLATION

Disconnect all power supplies to the air conditioner or heat pump. Remove the blower service door located to the right of the unit control panel. Remove the two screws used to secure the blower housing to the slide mount (Figure 2). Remove the blower assembly from the slide mount taking care to protect all blower motor leads from damage.

Install the basic heater enclosure into the slide mount previously used for mounting the blower. Secure the heater enclosure to the slide mount with the two screws that were removed earlier from the blower housing.

Slide the blower housing into the heater enclosure slide mount located on the top of the enclosure. Secure the blower housing to the heater enclosure with two screws (shipped in plastic bag).

### **IMPORTANT**

The optional heat packages in conjunction with models RPMH42 or RPMH48 are internally wired to allow a maximum of 15Kw of electric heat to be energized during heat pump operation. Any additional installed Kw over 15Kw will operate only during the emergency heat mode.

A maximum of 25Kw may operate in conjunction with model RPMH60 during heat pump operation.

A maximum of 25Kw may operate in the heating mode for models RPMA42, RPMA48 and RPMA60.

## WIRING CONNECTIONS

Connect the wires exiting the rear of the heater package into the unit circuit by plugging in the plastic snap lock fitting into the mating fitting located on the insulated partition between the control panel and the blower area.

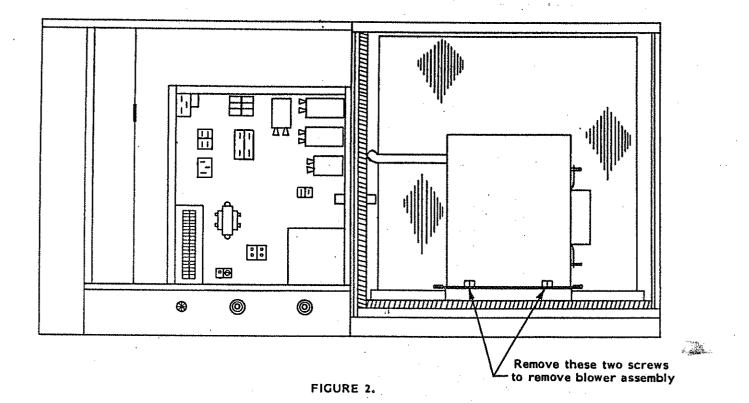
IMPORTANT: A separate power supply must be provided for use with any optional heater package. DO NOT attempt to connect a heater package with a basic unit to a single power supply.

Remove the unit control panel cover and the inner  $6\frac{1}{4}$ " x  $6\frac{1}{4}$ " cover. By removing this cover an isolated area is exposed. Install the 230 volt terminal block and the grounding lug using the enclosed screws into prepunched holes supplied.

Route the two 44" long wires from the heater package through the provided hole in the insulated partition to the newly installed 230 volt terminal block.

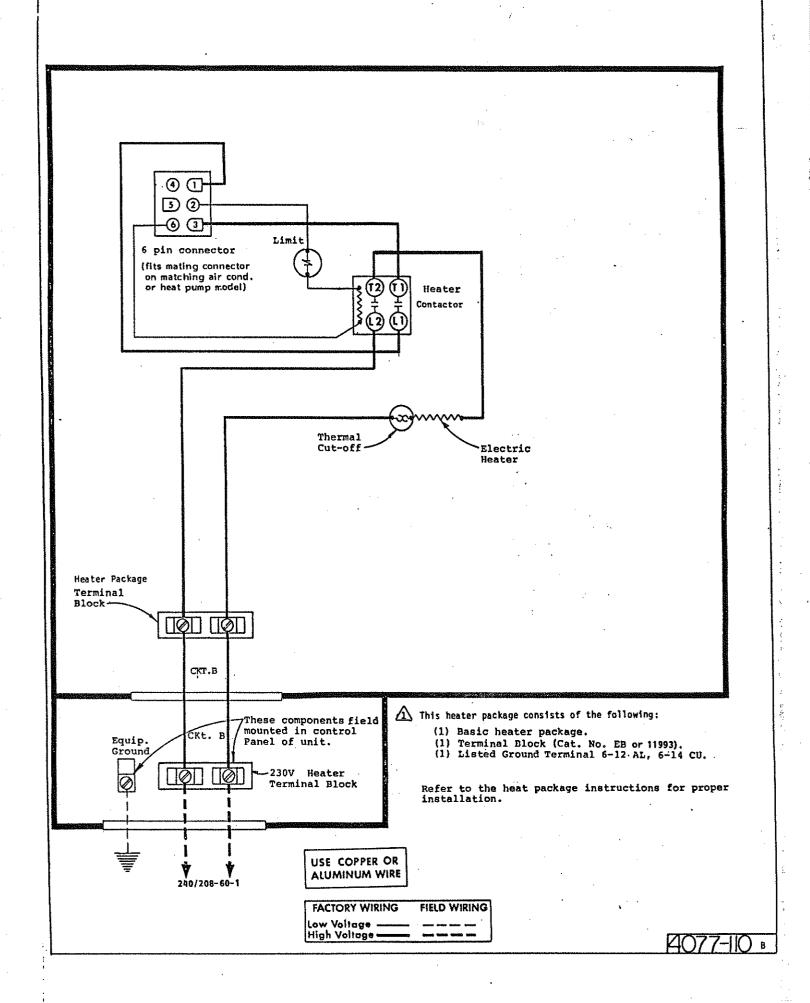
Inspect all wiring for damage and secure any loose wiring. See Figure 3 for completed assembly. Replace the terminal block cover, control box cover and blower service door.

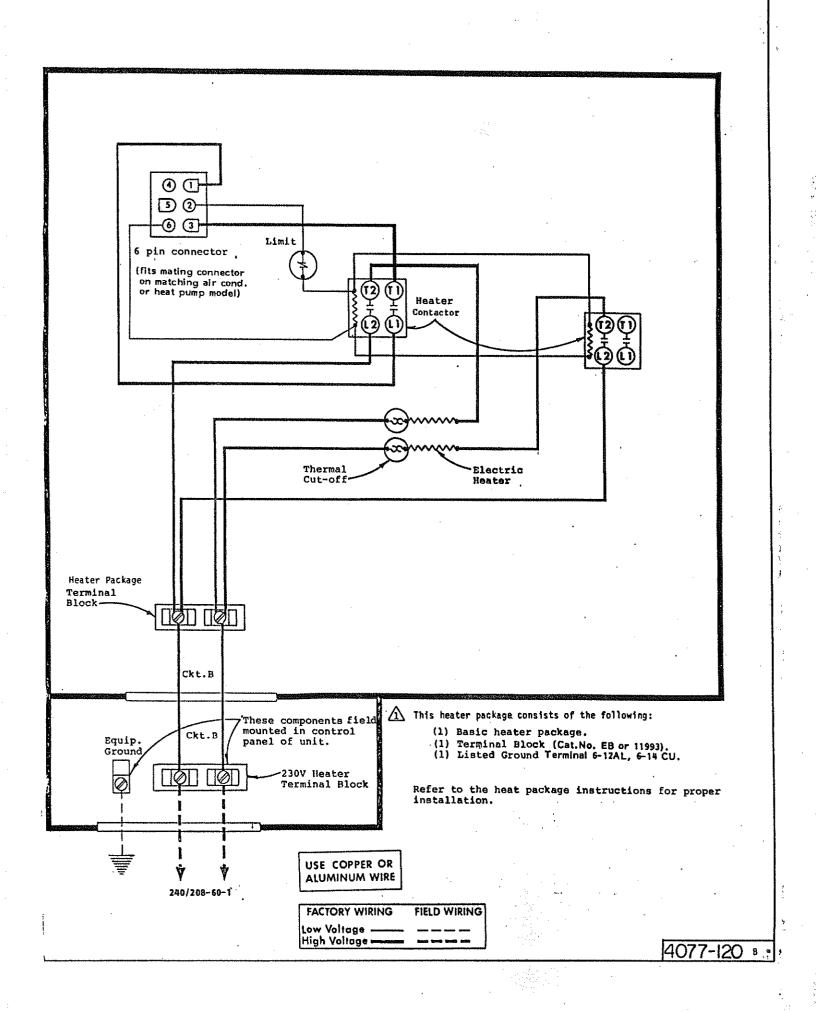
Energize both power supplies and check for proper system operation.

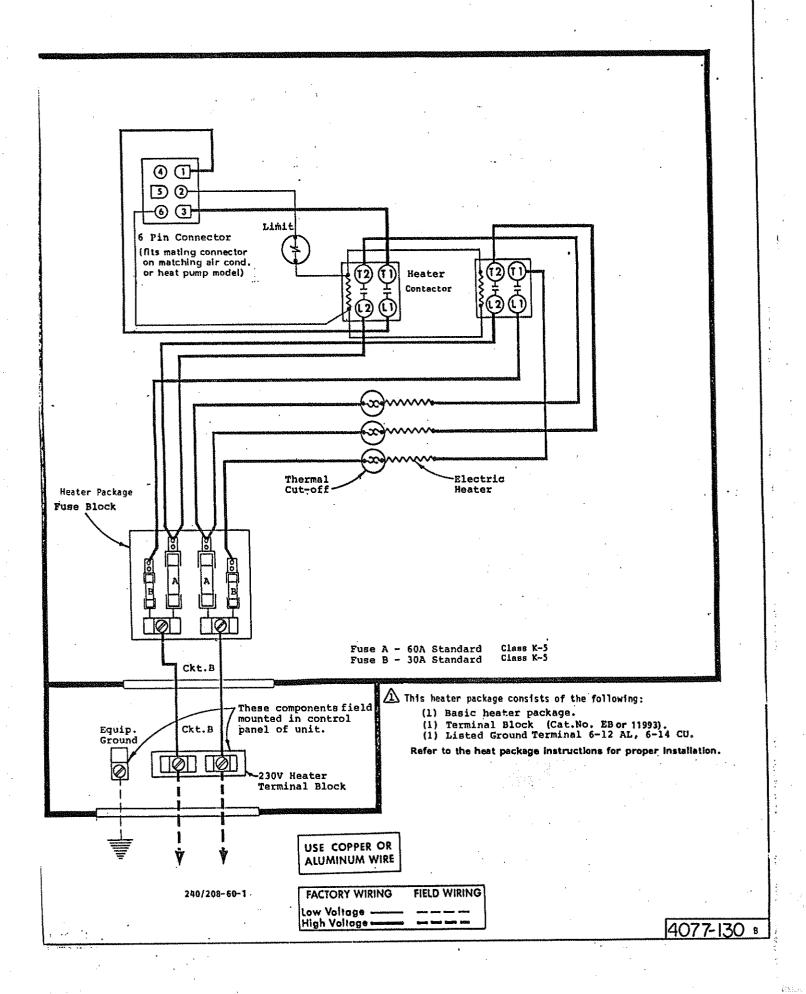


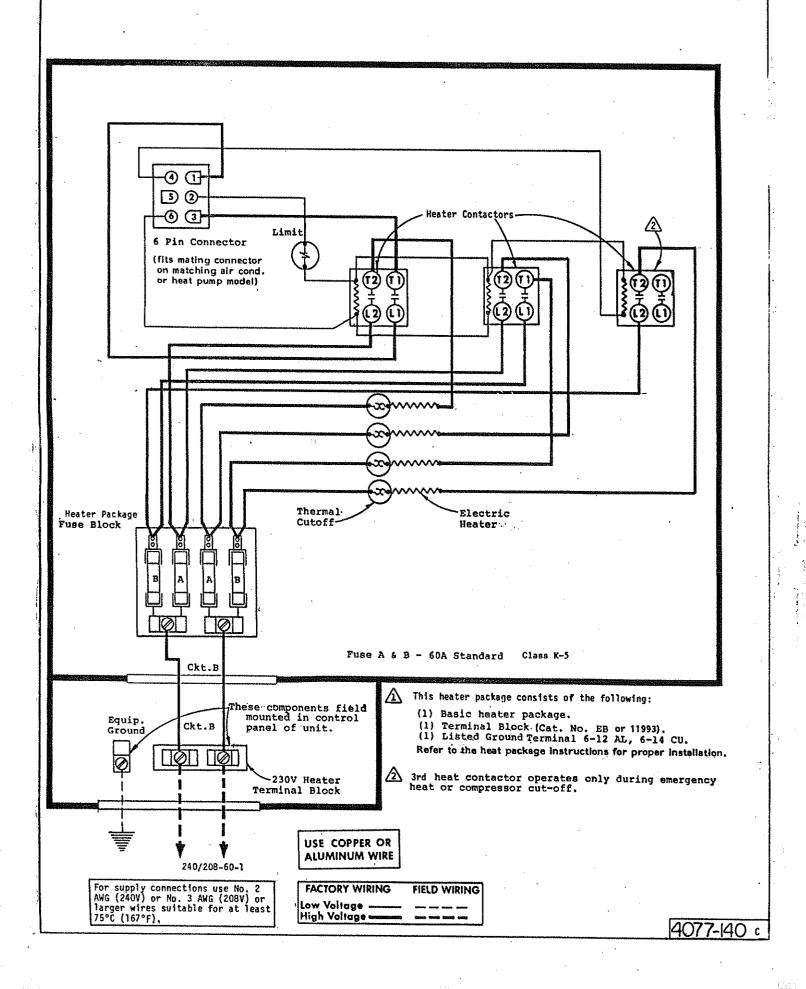
黨基 Secure blower assembly to heater assembly Ш with two screws 000 000 0 000 0 • • • ₩ **(6)** Secure heater Field installed (provided with assembly to unit heater package) 230V terminal slide with two block and ground lug screws Note: 480-3 heater packages require a phenolic insulator (provided with package) be installed between the terminal block and control panel.

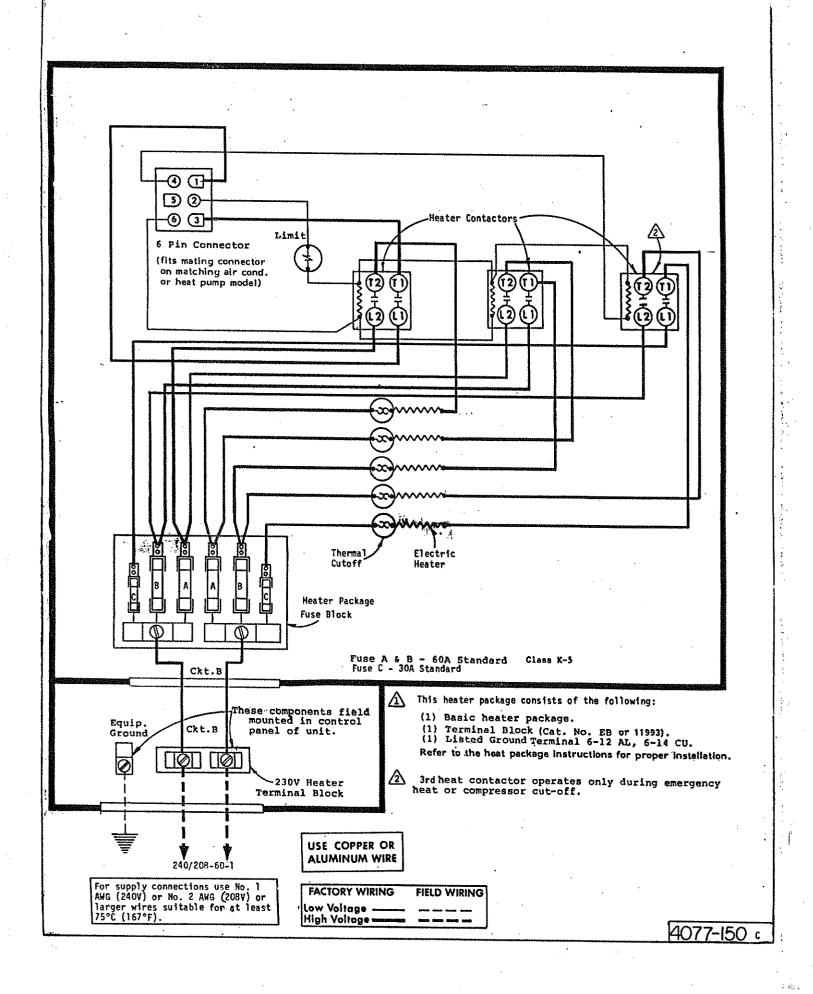
FIGURE 3.

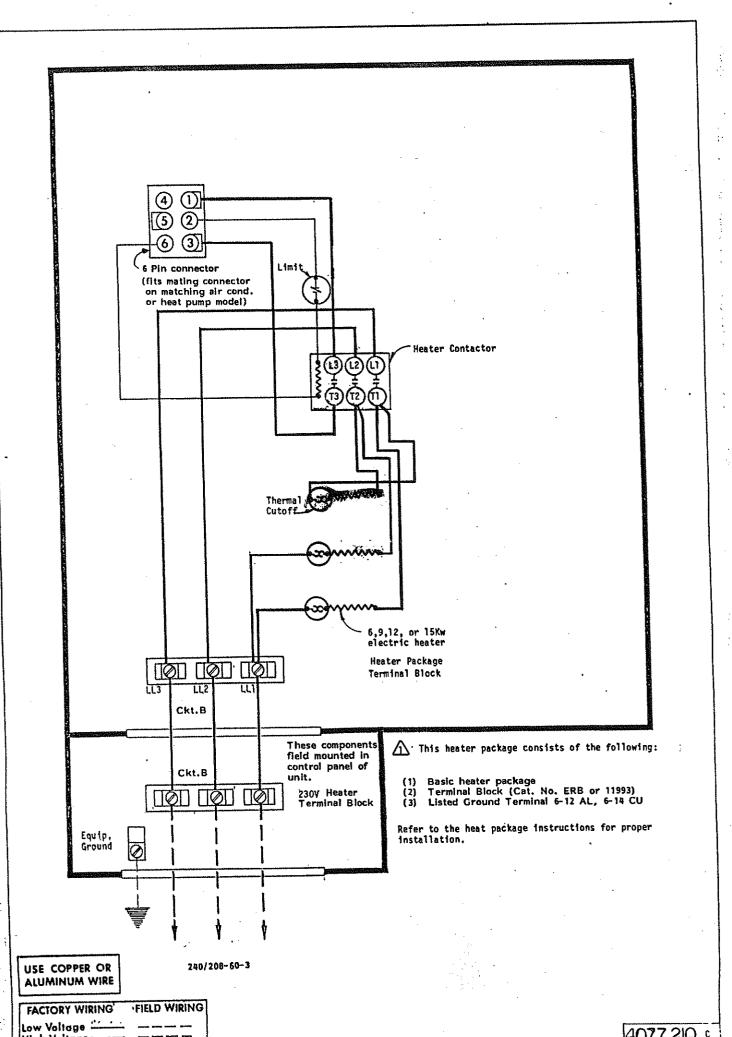






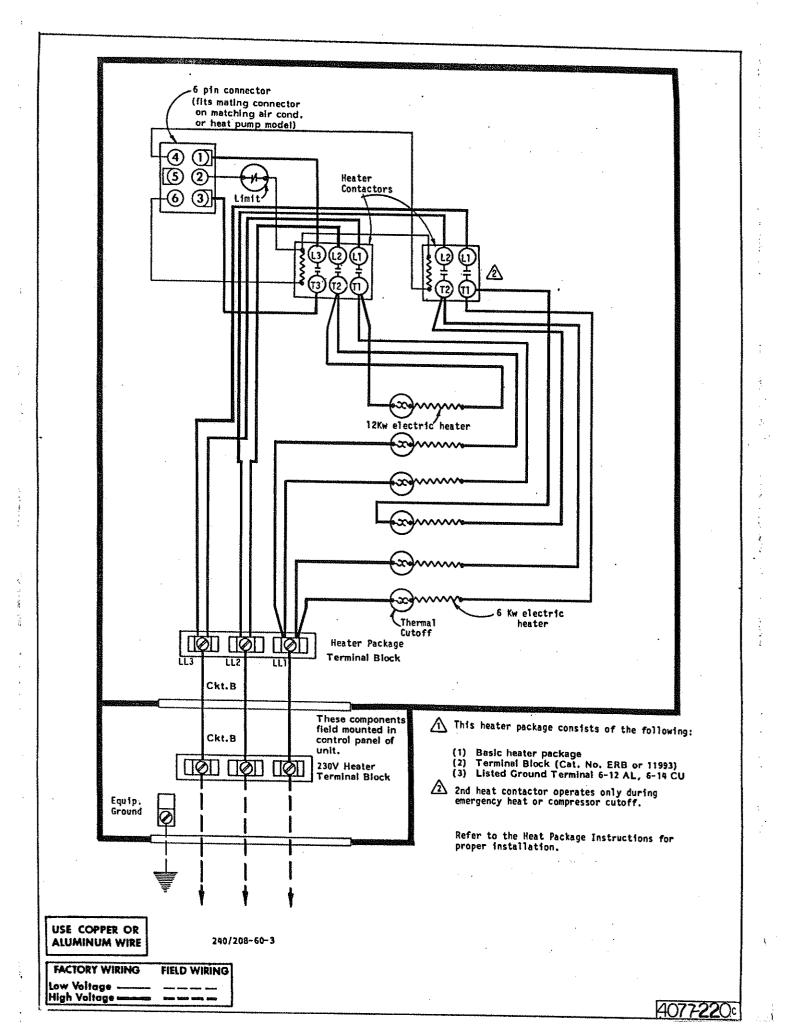


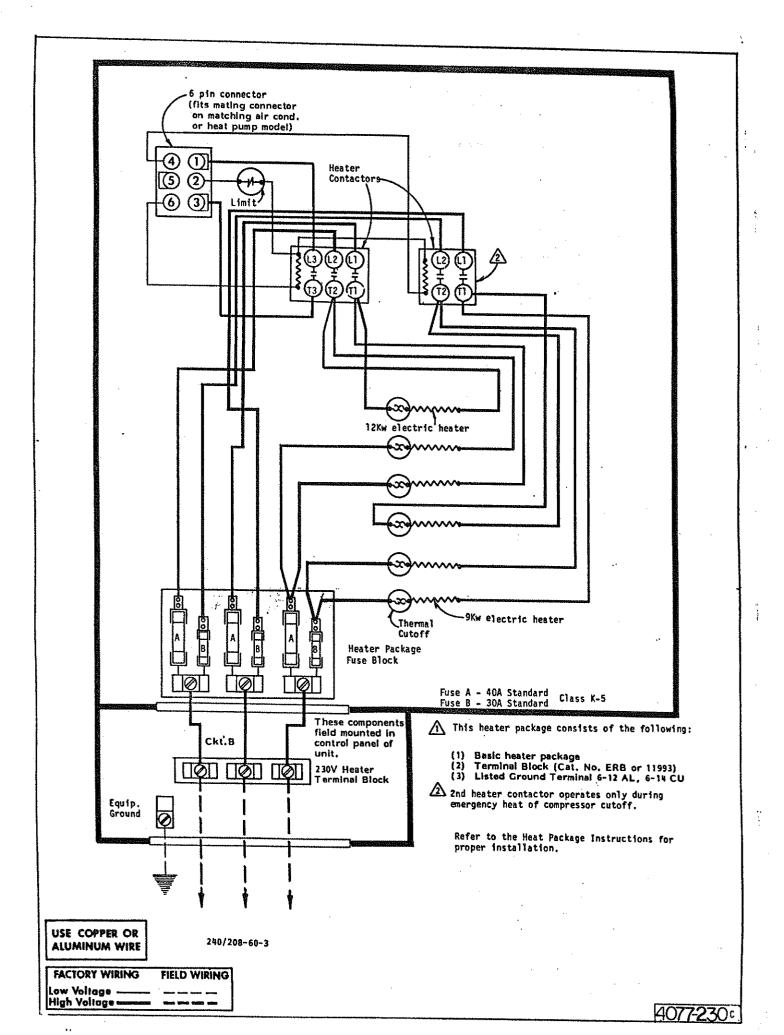


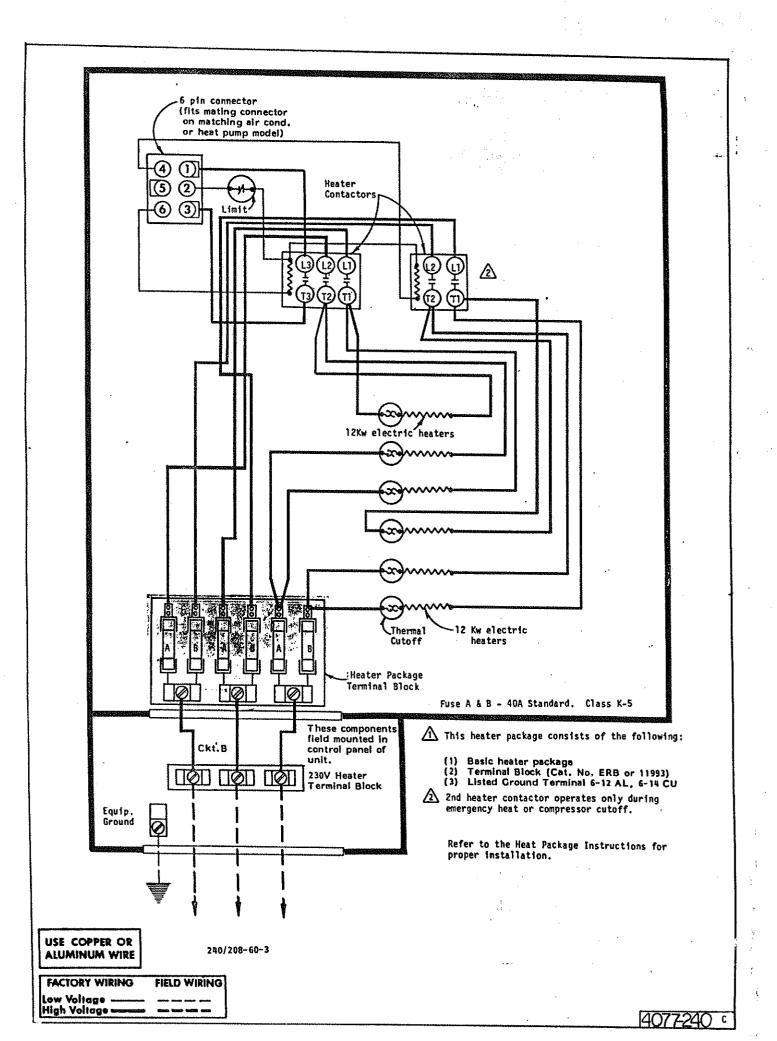


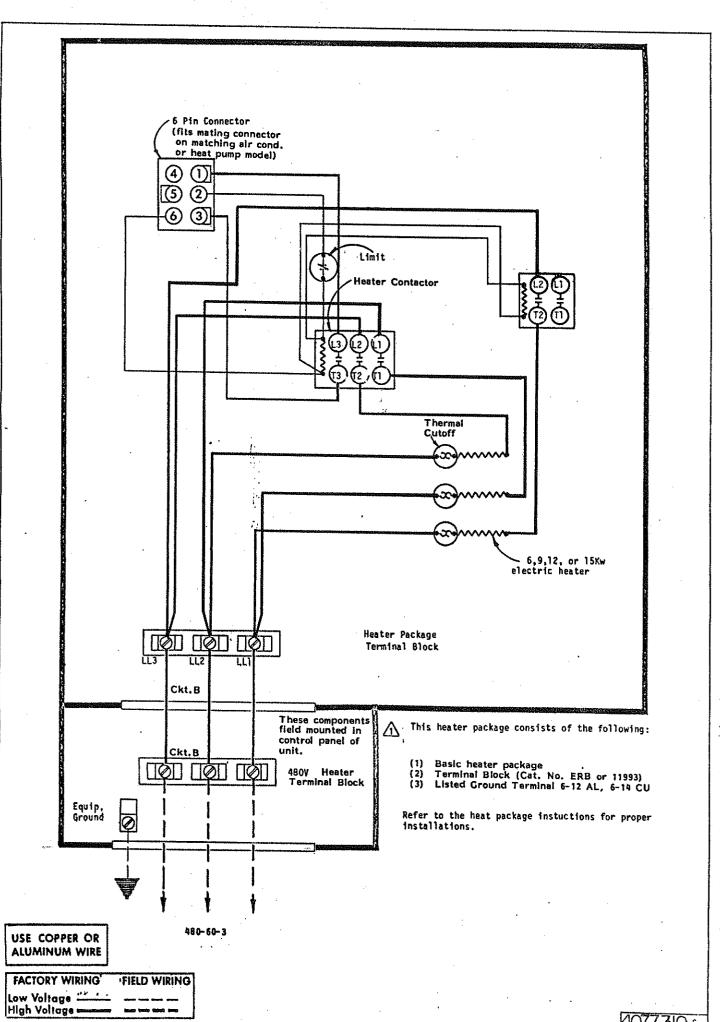
High Voltage

4077 21Q c









4077-310 c

