



INSTALLATION INSTRUCTIONS

OPTIONAL ELECTRIC HEAT PACKAGES

MODELS:	EH5PB-A05	EH5PB-B09	EH5PC-C09
	EH5PB-A10	EH5PB-B15	EH5PC-C15
	EH5PB-A15	EH5PB-B18	EH5PC-C18
	EH5PB-A20		

For Use With
3 1/2, 4 and 5 Ton Packaged Units

BARD MANUFACTURING COMPANY
Bryan, Ohio 43506

Since 1914...Moving, ahead just as planned.

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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, (4) #10-16 x 1/2" screws, (2) #8-16 x 1" screws, (1) #10-24 x 1/2" screw, and (2) wire ties.
3. 460 volt heater packages contain an additional phenolic insulator.

INSTALLATION

Disconnect all power supplies to the air conditioner or heat pump. Remove the control panel service door. Remove the four (4) #10-16 x 1/2" screws which secure the electric heat cover plate. Remove the electric heat cover plate from the blower partition and discard. Carefully insert heater package through the opening, provided in the blower partition. Guide the heater package into the opening being careful to align the locating pin(s) of the heater(s) in the dimpled holes provided in the rear of the blower partition. Line up the four (4) holes in the heater control panel with the four (4) prepunched holes in the blower partition and secure the heater package to the blower partition with the four (4) #10-16 x 1/2" screws provided.

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 rear of the control panel.

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 4-1/4" x 7-3/4" cover. By removing this cover, an isolated area is exposed. On 240V units, install the high voltage terminal block. Use the two (2) #8-16 x 1" screws. Install the grounding lug, using the two (2) #10-24 x 1/2" screws into the prepunched holes supplied. On 460 volt heater packages, install phenolic insulator under the high voltage terminal block to maintain proper clearances. Phenolic insulator is supplied with the heater package.

Route the line voltage power circuit wires from the heater package through the bushed hole in the control panel to the newly installed high voltage terminal block.

Inspect all wiring for damage and secure any loose wiring with the enclosed wire ties. 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.

FIGURE 1

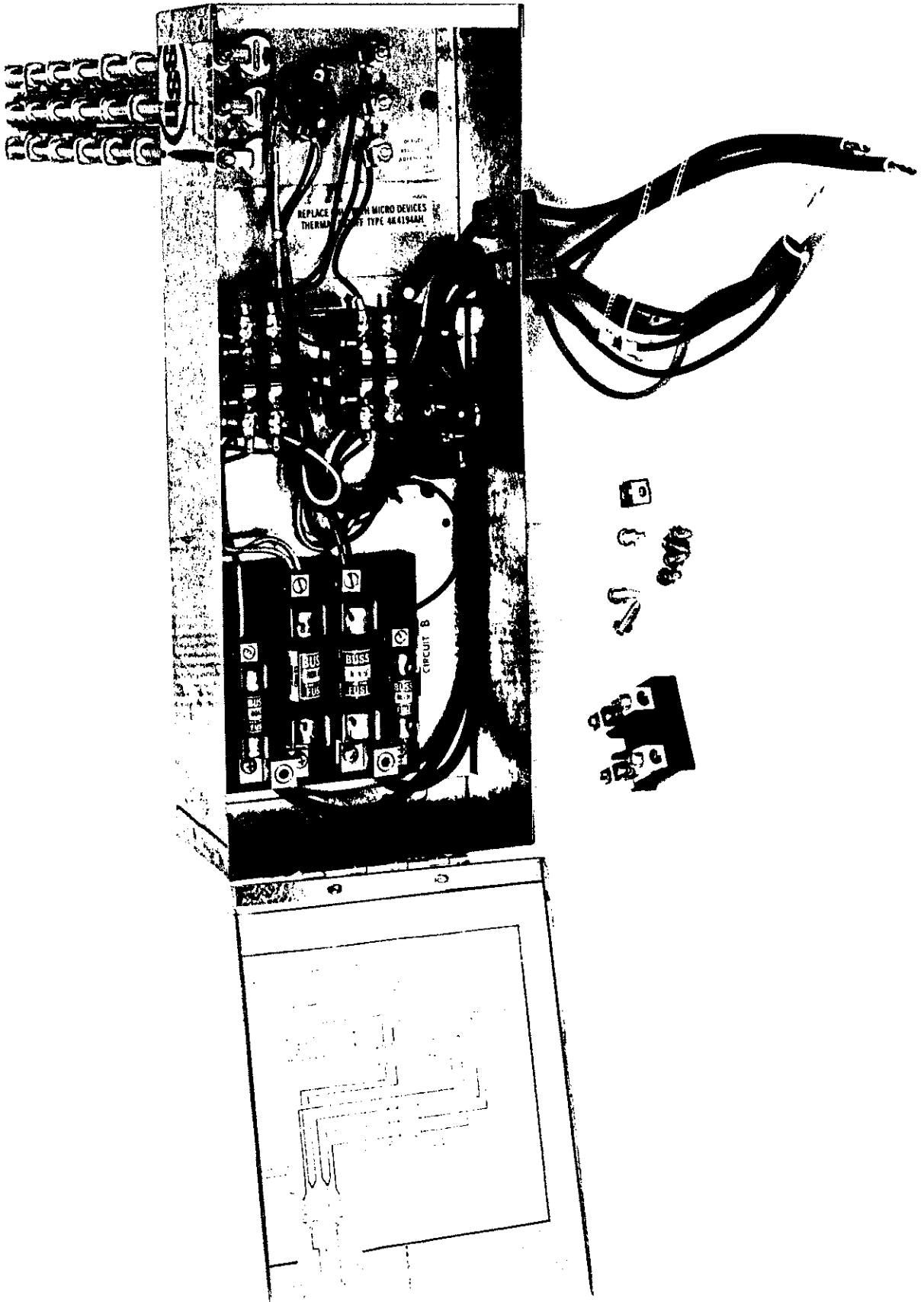


FIGURE 2

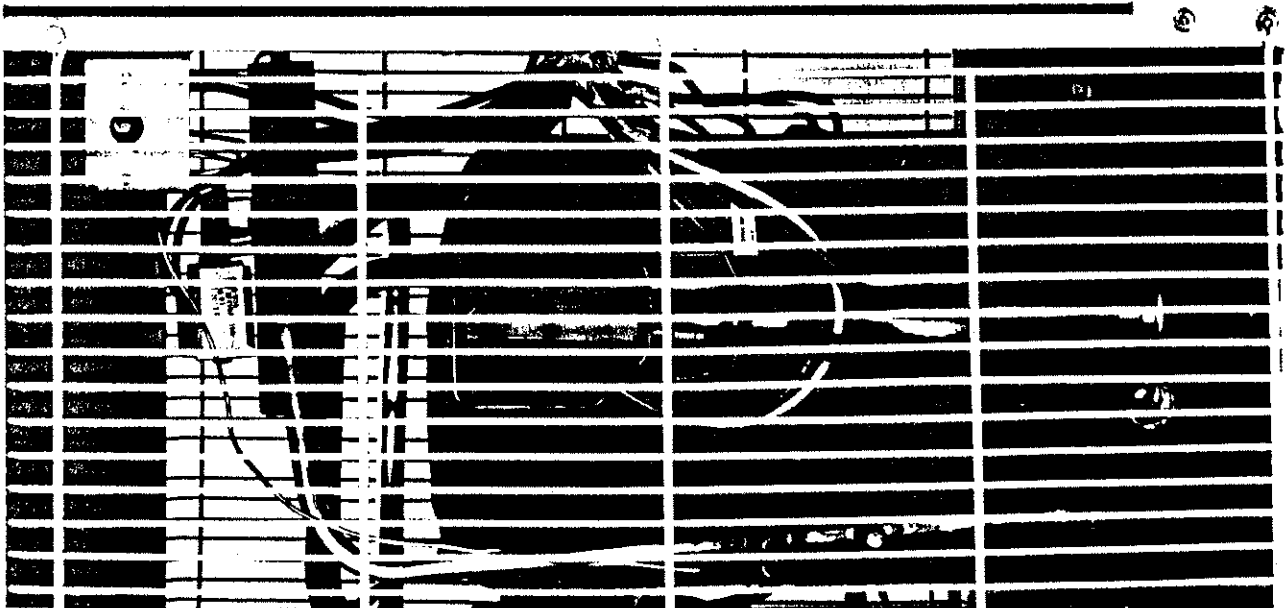
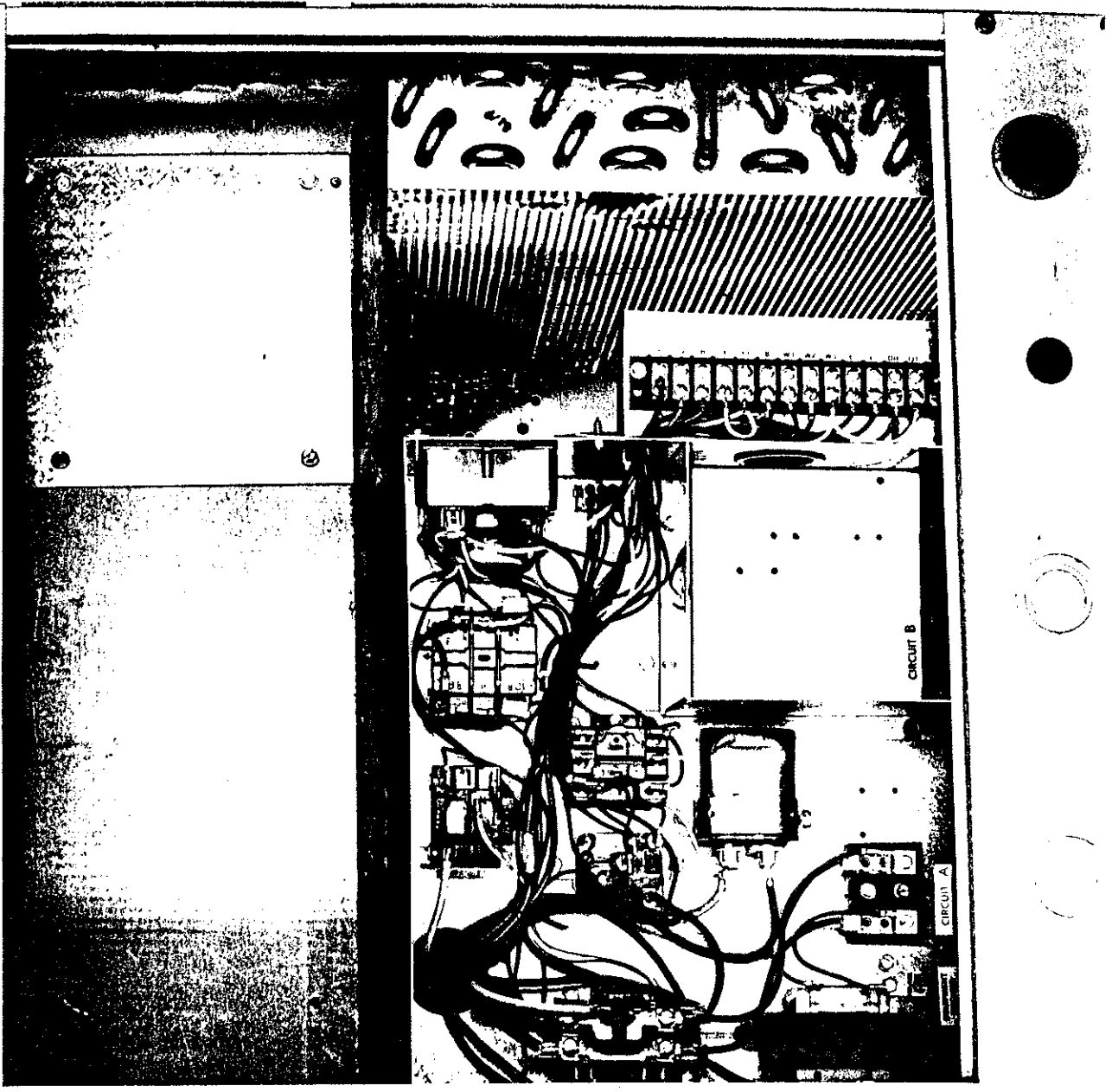


FIGURE 3

