

Warren Electric Heater Model WZP Series Package Air Conditioning 2 to 5 tons	INSTALLATION INSTRUCTIONS Date: 7-21-98	To Fit: Unit Models 50ZP/50ZH 024-060 Series 564A/664A 024-060 Series PA1Z/PH1Z 024-060 Series
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GENERAL

This Warren Technology electric heater series is engineered, designed, and listed to be installed in the Carrier 50ZP/50ZH 024-060, Bryant 564A/664A 024-060, and Payne PA1Z/PH1Z 024-060 series packaged air conditioners and heat pumps. Before proceeding, verify the heater label for correct voltage and KW requirements.

Installation and servicing of this equipment should only be performed by trained and qualified personnel. Before proceeding with the heater installation, inspect thoroughly for shipping damage. Notify the shipper immediately if any damage is found. Check all porcelain insulators for breakage and inspect heater element wire to see that none have been deformed. Clean all dirt, dust and moisture from equipment. Check for proper clearances of live parts, between phases, and to ground. Make sure that all required barriers are in place. Check conductors run in multiple to insure that they are properly wired. Refer to installation instructions for complete unit installation details. The minimum air quantity for safe electric heater operation is shown on page 4.

WARNING ⚠

Before performing service or maintenance operations on system, turn off all main power switches. There may be more than one disconnect. Turn off accessory heater power switch if applicable. Electrical shock can cause personal injury. **TAG DISCONNECT SWITCH(ES) WITH A SUITABLE WARNING LABEL.**

UNIT VIEW

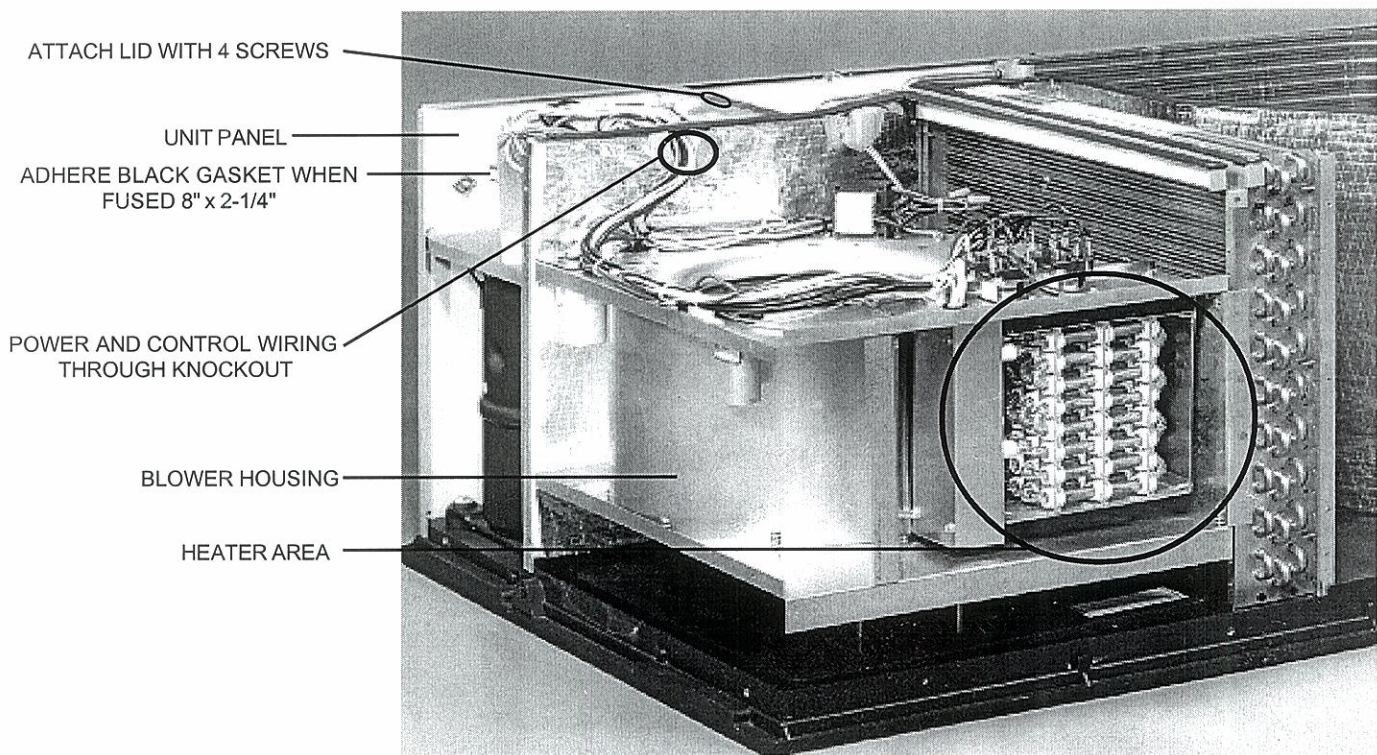
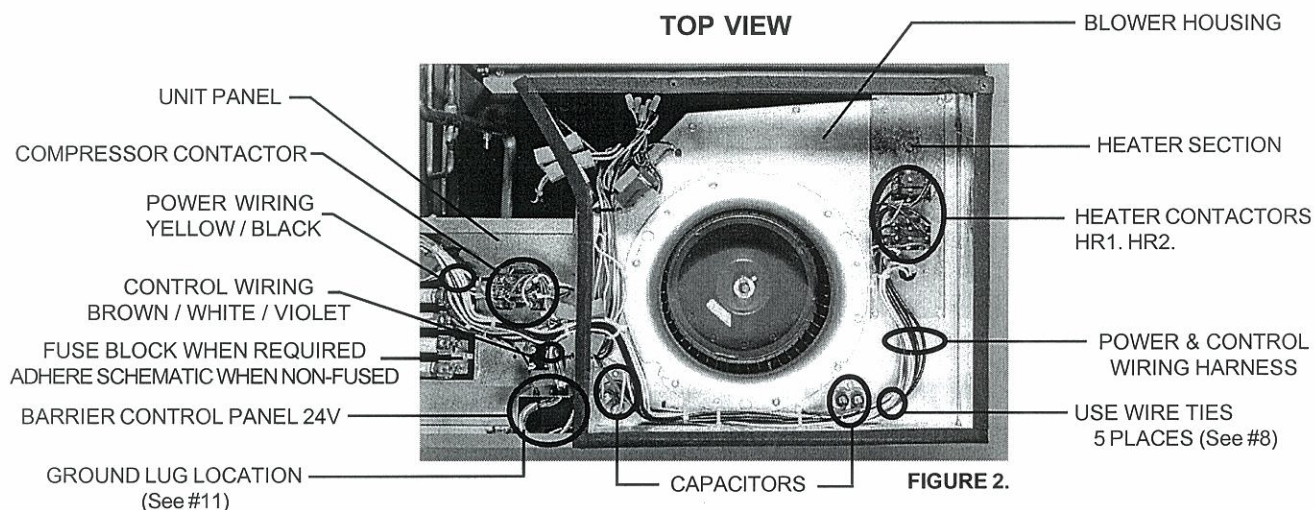


FIGURE 1.



HEATER INSTALLATION

1. Open all electrical disconnects before beginning any service work.
2. Insure that unit duct work is installed per base unit installation instructions.
3. Remove top cover of the unit. (See Fig. 1.)
4. Check proper equipment model number from list.
5. Locate electric heater perforated area beside blower. Remove perforated metal.
6. Remove electric heater from the packaging. Route control and heater high voltage wires through knockout as shown in Fig. 1.
7. Install heater, sliding assembly into area beside blower housing (See Fig. 1.) Ensure that mounting holes of heater align with mounting holes on the unit. Secure heater assembly with (4) screws provided.
8. Dress wires with wire ties provided. (4) (See Fig. 2.) Route heater wire along existing unit wire bundles behind and away from capacitors.
9. **Fused units:** Remove fuse links of the fuse block, attach fuse block with screws (2) on mounting holes provided and put back fuse links. Attach lid to unit panel with (4) screws provided. Align with existing mounting holes. (See Fig.1.)
10. **Non-fused units:** adhere schematic in lieu of fuse block inside unit panel. (See Fig. 2.)
11. Install ground lug in mounting hole provided adjacent to 24V compartment.

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ELECTRICAL CONNECTIONS

CAUTION: Disconnect All Electrical Power Before Proceeding. Failure To Do So May Result in Electrical Shock.

1. All electrical connections, wire sizes and type of conduit sizes shall meet the National Electric Code, State and Local Codes. Main power supply, minimum wire sizes, circuits, fusing, etc. is shown on schematic wiring diagrams. **NOTE: Use copper wire only.**
2. Refer to base unit instructions for recommended wiring procedures.
3. Connect low voltage wires as shown in heater schematic diagram. (See pg. 3.) These connections must be made in the 24V barrier section inside unit panel. (See Fig. 2.)
4. **Connect field power wiring as shown in heater wiring diagram. All connections should be made inside the air conditioning unit and comply with National Electric Codes, State and Local Codes. Heaters with factory installed fuses may be installed on a branch circuit protected by either a fuse or a circuit breaker. For all other heaters, the branch circuit must be protected by a fuse or a circuit breaker supplied by others.**
5. Make all high voltage wire splice connections inside unit control box. Use splice connectors provided. Properly insulate connectors. Separate all wires from incoming power leads.
6. Be sure that all electrical terminal connections, clamps, screws etc. are tight before proceeding.
7. Check wiring diagram supplied with heater for specific connections and information.
8. Check operation as described in Start-Up section.