

Installation Instructions

INTRODUCTION

These instructions cover the installation of the Hardwire Accessory Kit.

PACKAGE CONTENTS

| ITEM | QUANTITY |
|-------------------|----------|
| Hardwire Assembly | 1 |

GENERAL

The Hardwire Accessory Kit can be field installed to permanently connect a packaged terminal air conditioner (PTAC) unit to a power source. This kit can be used for both 208/230-v and 265-v applications at 15, 20 and 30 amps. See Fig. 1 for Hardwire Accessory Kit Assembly. Power source junction box must be field supplied.

INSTALLATION

⚠ WARNING

Disconnect all power to unit to avoid possible electrical shock during installation.

All wiring must comply with local electrical codes and National Electrical Code (NEC).

- Step 1** — Disconnect all power to unit.
- Step 2** — Remove front panel from unit by grasping the panel firmly near the bottom of both sides, then pulling the panel forward and upward to release magnetic latches and partition hooks. See Fig. 2.
- Step 3** — Remove power cord access cover and save screw for later use. See Fig. 3.
- Step 4** — Open control box by removing 2 screws. Save screws. See Fig. 3.
- Step 5** — Write down location where plain, ribbed (capacitor) and ground power cord wires are attached. This is for later use when attaching wires from hardwire kit. See Fig. 4.
- Step 6** — Disconnect power cord from terminals. Pull cord out from the front and discard.

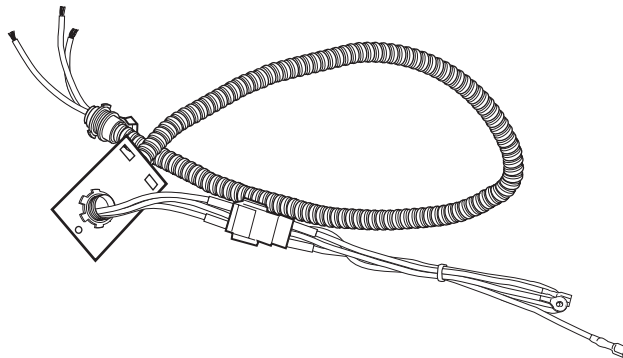


Fig. 1 — Hardwire Accessory Kit Assembly

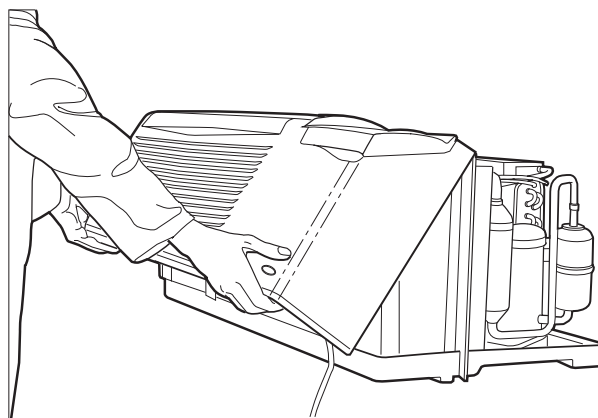


Fig. 2 — Removing Front Panel

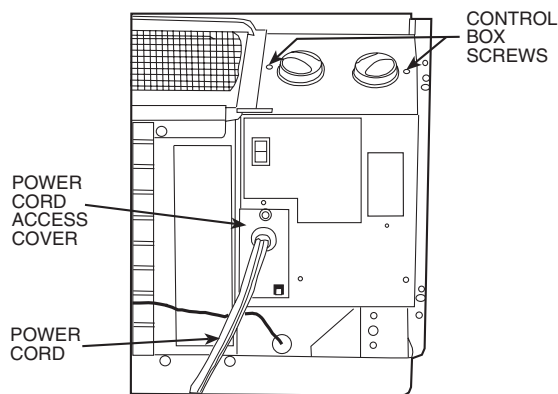


Fig. 3 — Control Box Component Location

Step 7 — Separate Molex connectors from hardwire and, referring to Fig. 4, make the following wiring connections:

- Connect Black wire to where plain wire of power cord was originally connected
- Connect Red wire to where ribbed wire (capacitor) power cord was originally connected
- Connect Green wire where ground was originally connected.

NOTE: Leave approximately 3 in. of plug assembly outside the control box through the power cord access hole for easy access in the future. See Fig. 5.

Step 8 — Close control box, and secure using 2 screws removed earlier.

Step 9 — Connect male and female Molex connectors. Push Molex connector and excess wiring back into control box through power cord access hole. See Fig. 5.

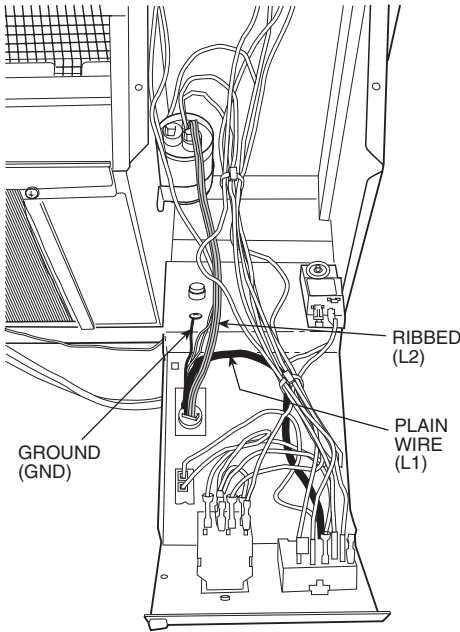
Step 10 — Attach hardwire access panel with screw saved from Step 3. See Fig. 6.

Step 11 — Replace front panel.

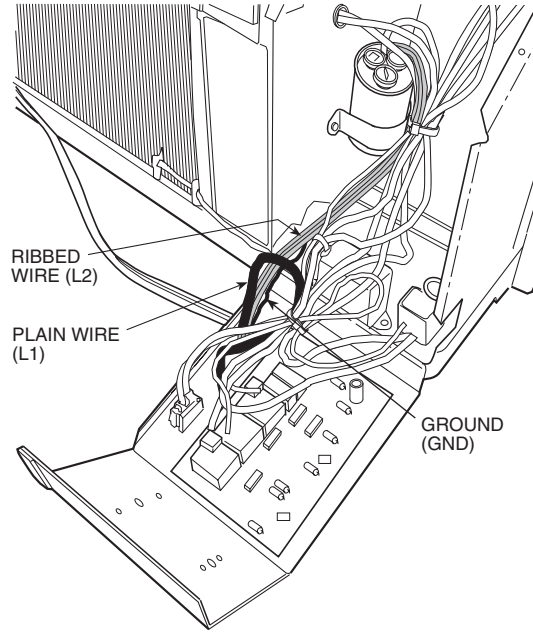
NOTE: Be sure conduit is routed through notch on front panel.

Step 12 — Make wiring connections in field-supplied junction box. See Fig. 7.

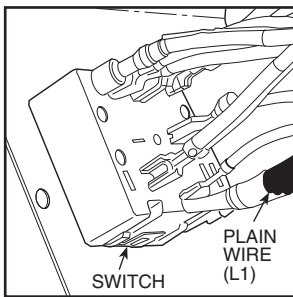
Step 13 — Restore power to unit.



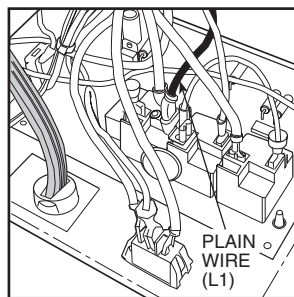
TYPICAL CONTROL BOX WITH UNIT-MOUNTED CONTROLS



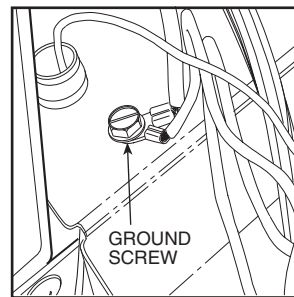
TYPICAL CONTROL BOX FOR WALL THERMOSTAT CONTROLLED UNITS



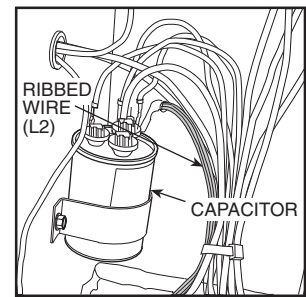
POWER CORD CONNECTION — PLAIN WIRE (PTAC Units With Unit-Mounted Controls)



POWER CORD CONNECTION — PLAIN WIRE (L1) (PTAC Units With Wall Thermostat Control)



GROUND WIRE CONNECTION (All PTAC Units)



POWER CORD CONNECTION — RIBBED WIRE (L2) TO CAPACITOR (All PTAC Units)

Fig. 4 — Location of Ground Wire, Plain Wire and Ribbed Wire of Power Cord Inside a Typical Open Control Box

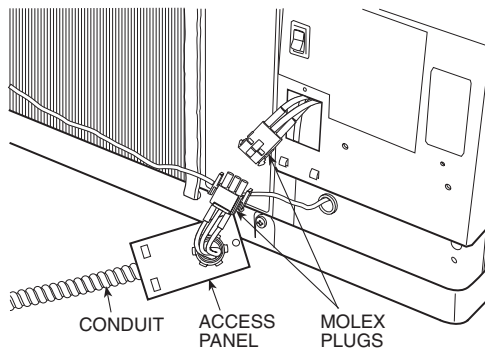


Fig. 5 — Hardwire with Molex Connectors

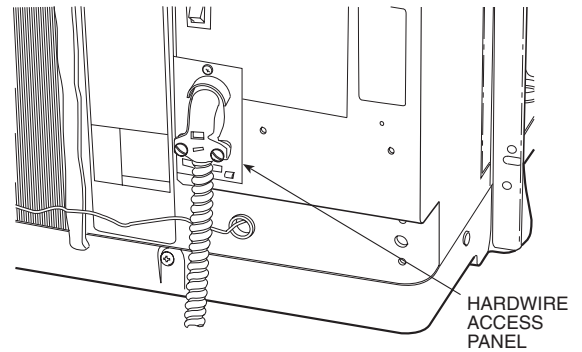


Fig. 6 — Hardwire Access Cover Installed on Control Box

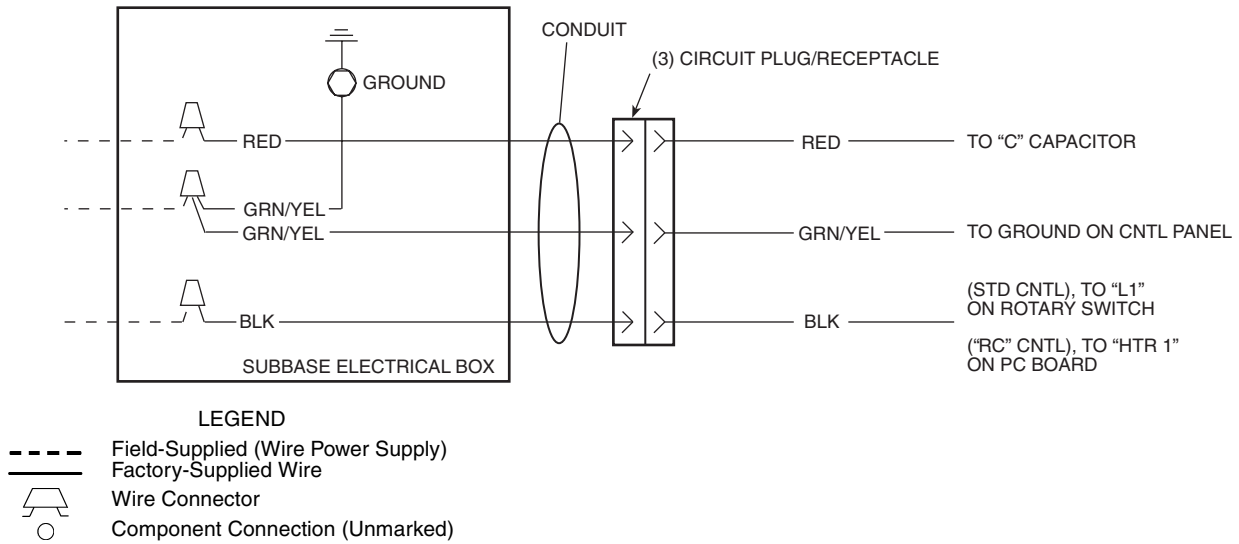


Fig. 7 — Wiring Diagram

DISCONNECT HARDWIRE FOR CHASSIS REMOVAL

⚠ WARNING

When removing chassis from wall sleeve, disconnect power at main fuse or circuit breaker first, to avoid possible electrical shock.

Step 1 — Disconnect all power to unit.

Step 2 — Remove front panel.

Step 3 — Remove access cover from control box and disconnect plug assembly. See Fig. 3 and 5.

Step 4 — Follow instructions in owner's manual for chassis removal.

