Conduit Interface Accessory Kit
For Use With
Packaged Terminal Air Conditioner or Heat Pump

Installation Instructions

INTRODUCTION

These instructions cover the installation of the Conduit Interface Accessory Kit. The Conduit Interface Accessory Kit supplies the wire connection between the unit and field-supplied conduit.

PACKAGE CONTENTS

ITEM	QUANTITY
Conduit Interface Assembly	1
90 Degree, 1/2-in. Conduit Connector	1

GENERAL

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

IMPORTANT: The 90 degree, 1/2-in. conduit connector supplied with the accessory must be used for proper installation to meet NEC (National Electrical Code) and local electrical codes.

INSTALLATION

⚠ WARNING

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

All wiring must comply with local electrical codes and NEC.

Step 1 — Disconnect all power to unit.

Step 2 — Remove front panel from unit by grasping the panel firmly at the center top and center bottom, and then pulling the panel upward at the bottom and forward at the top 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 the Conduit Interface Kit. See Fig. 4.

Step 6 — Disconnect power cord from terminals. Pull cord out from the front.

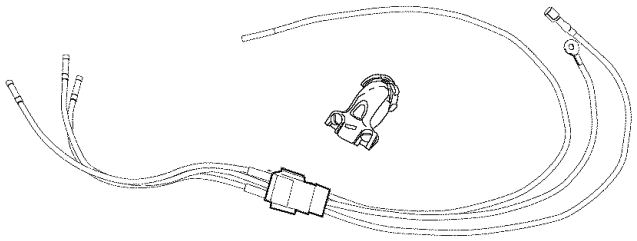


Fig. 1 — Conduit Interface Kit

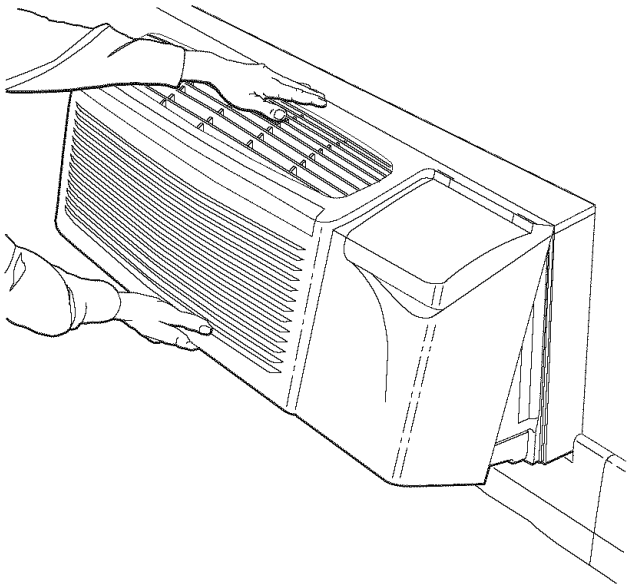


Fig. 2 — Removing Front Panel

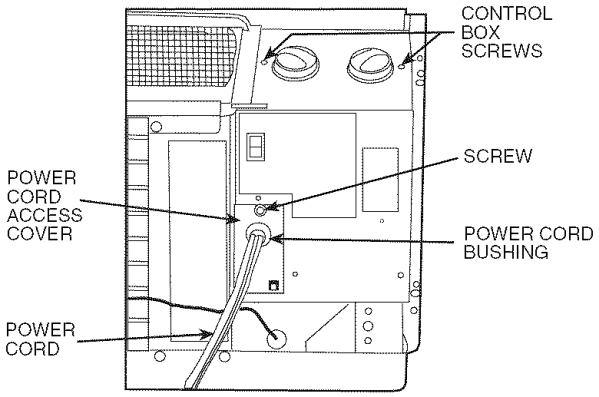


Fig. 3 — Control Box Component Location

Step 7 — Remove power cord access cover from power cord and save. Using pliers, squeeze power cord bushing from the inside of the power cord access cover and push out. Set aside power cord access cover for later use. Discard power cord and power cord bushing.

Step 8 — Install the conduit interface. Refer to Fig. 4 and 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.

Route the conduit interface assembly out through the power cord access hole in control box. See Fig. 5.

Step 9 — Close control box, and secure using 2 screws removed earlier.

Step 10 — Attach the field-supplied conduit to the 90-degree, $^1/_2$-in. conduit connector provided. Attach the 90-degree conduit connector to the power cord access cover removed in Step 7.

Step 11 — Connect the field-supplied power source wiring (routed through the conduit) to the conduit interface assembly wire connections. See Fig. 5 and 6.

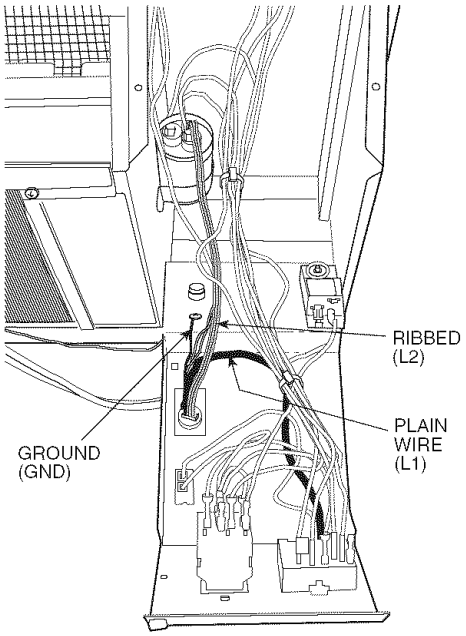
Step 12 — Push the Molex connector and excess wiring back into the control box through the power cord access hole. See Fig. 5.

Step 13 — Attach the power cord access cover and conduit assembly to the control box using the screw saved from Step 3. See Fig. 7.

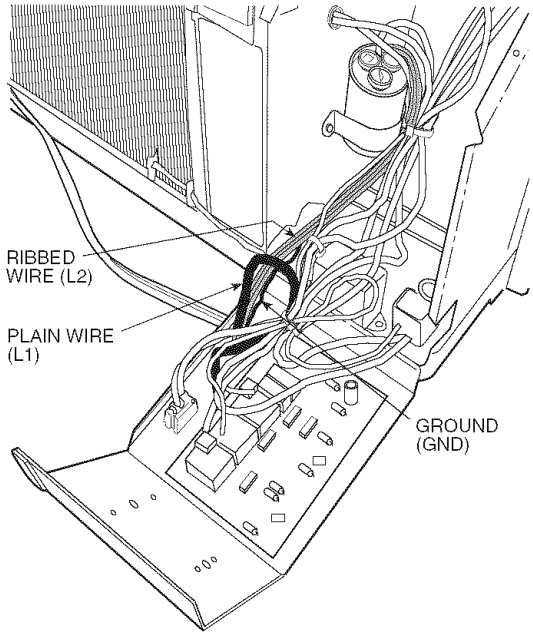
Step 14 — Replace the unit front panel.

a. Hold the front panel firmly at the center top and center bottom at a 5 to 10 degree angle from vertical.
b. Place the top of the front panel onto the unit making sure the top engagement posts have engaged the slots on the unit. Front panel should be flat against the top of the unit.
c. Gently lower the front panel onto the chassis, ensuring that the conduit is routed through the front panel notch. Magnetic latches at bottom of front panel will secure the front panel to the unit.

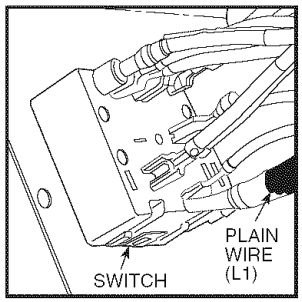
Step 15 — Restore power to unit.



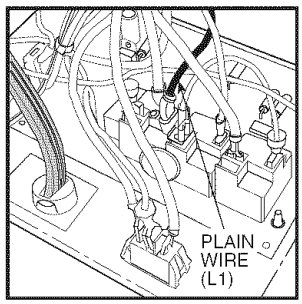
TYPICAL CONTROL BOX WITH UNIT-MOUNTED CONTROLS



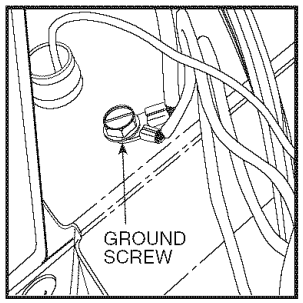
TYPICAL CONTROL BOX FOR WALL THERMOSTAT CONTROLLED UNITS



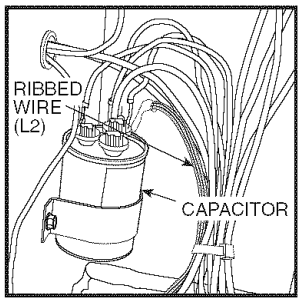
POWER CORD CONNECTION — PLAIN WIRE (PTAC Units With Unit-Mounted Controls)



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

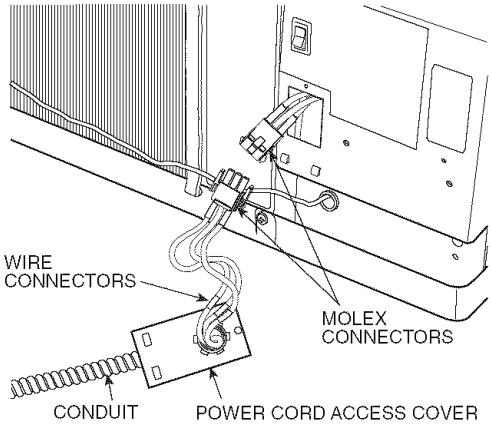


Fig. 5 — Hardwire with Molex Connectors

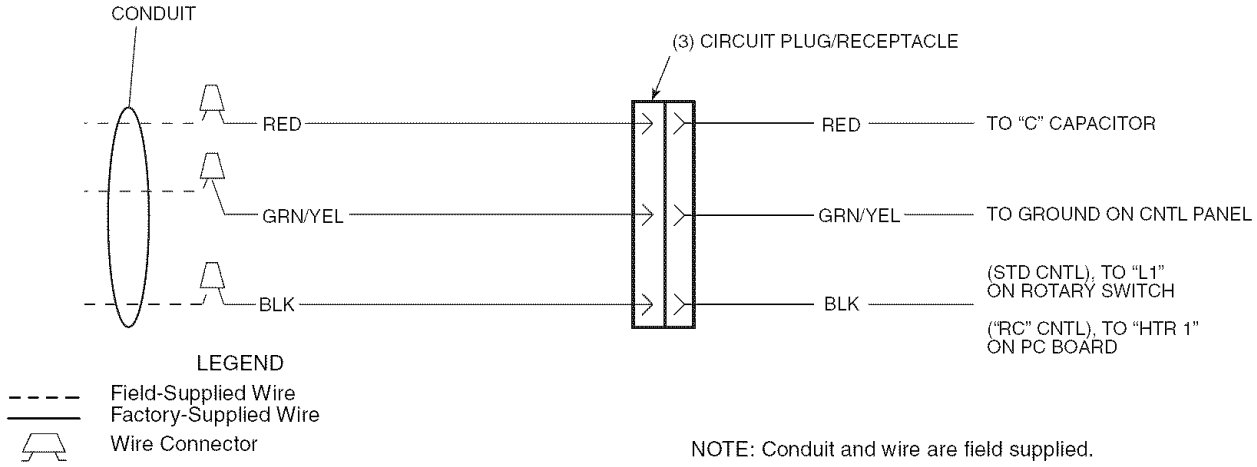


Fig. 6 — Accessory Conduit Interface Wiring Diagram

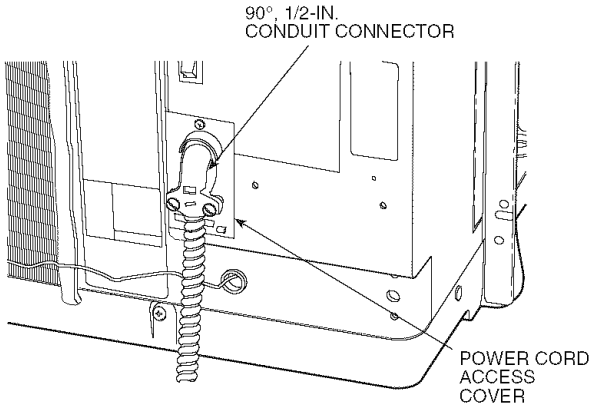


Fig. 7 — Power Cord Access Cover and Conduit Installed

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 from unit by grasping the panel firmly at the center top and center bottom, and then pulling the panel upward at the bottom and forward at the top to release magnetic latches and partition hooks. See Fig. 2.

Step 3 — Remove the power cord 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.