

Hardwire Electrical Subbase Accessory For Use With Packaged Terminal Air Conditioner or Heat Pump

Installation Instructions

INTRODUCTION

These instructions cover the installation of the Hardwire Electrical Subbase Accessory. The Hardwire Electrical Subbase Accessory package consists of the hardwire electrical subbase, 2 adjustable side extension panels, and 4 attachment screws.

PACKAGE CONTENTS

ITEM	QUANTITY
Hardwire Electrical Subbase	1
Adjustable Side Extension Panels	2
Attachment Screws (black)	4

⚠ WARNING

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

GENERAL

The hardwire electrical subbase accessory must be used whenever the packaged terminal air conditioner or heat pump is installed in a wall less than 2 in. thick, or where wall sleeve extends 4 in. or more into room, or for additional support or leveling of air conditioner or heat pump. Wall sleeve must be 3 1/4 in. minimum into room and 3 1/4 in. minimum to 5 1/2 in. maximum above floor.

The hardwire electrical subbase has a factory-installed electrical junction box with 19 in. of flexible conduit attached for use with packaged terminal air conditioner (PTAC) units. See Fig. 1.

INSTALLATION

IMPORTANT: Refer to chassis nameplate for power source requirements.

Building power source wiring can enter subbase through any conduit knockout hole in bottom of subbase or through the knockouts in the electrical junction box walls.

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

Step 1 — Disconnect all power to unit.

Step 2 — Prepare wall sleeve. Drill one 1/8 in. hole on each side of wall sleeve. If installing plastic sleeve, use locator dimple on outside of sleeve. Drilling can be done through the plastic from inside if desired. See Fig. 1.

NOTE: If installing metal sleeve, mark location of holes on sleeve then drill 1/8-in. holes. See Fig. 2 for hole dimensions on metal sleeve.

Step 3 (Optional) — Adjustable Side Extension Panels can be attached to cover open space left between subbase and wall. Determine the distance from inside wall to front of wall sleeve. See Fig. 3, dimension X.

Step 4 — Attach Side Extension Panels to subbase using one black screw on each side so that panel end extends dimension X plus 2 in. from front of subbase. To adjust side panel, simply bend panel at slot position. See Fig. 1 and 3.

NOTE: Use engagement holes for more exact fit to wall. See Fig. 1.

Step 5 — Remove both access covers and screws. Set aside for later use. See Fig. 1.

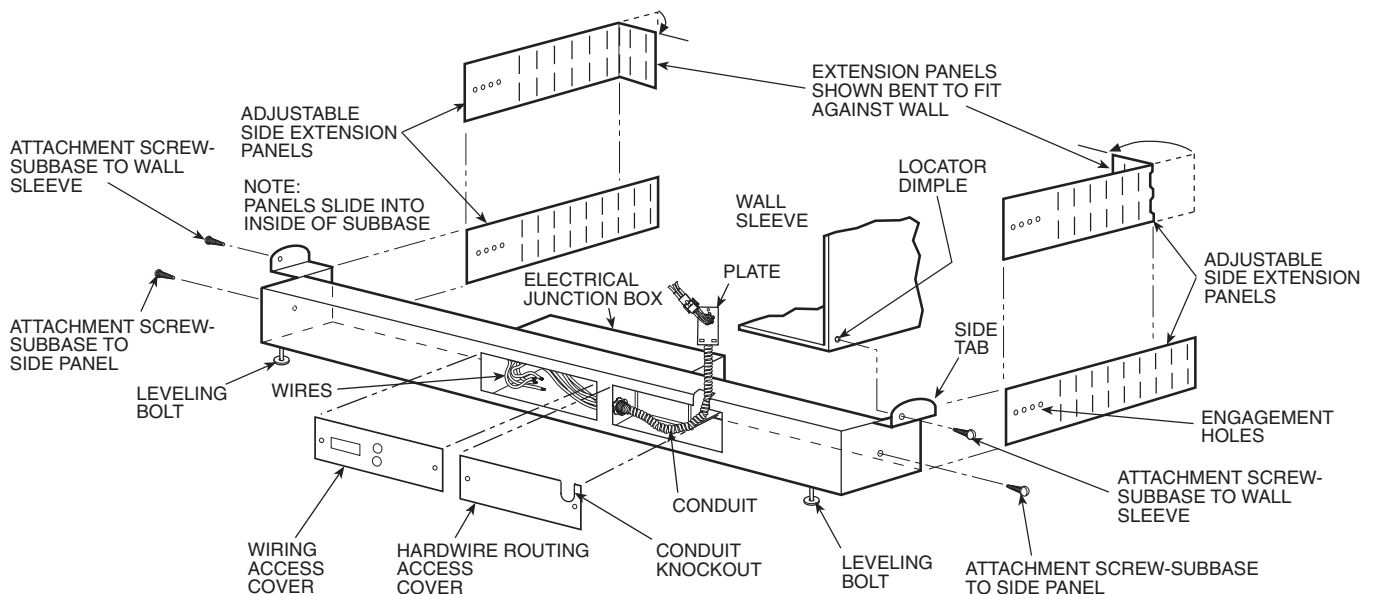


Fig. 1 — Hardwire Electrical Subbase Assembly

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

Step 6 — Remove the half circle conduit knockout from the hardwire routing access cover. See Fig. 1. This will provide additional space to route conduit out of subbase to unit.

Step 7 — Route conduit out through the rectangular conduit notch located on top front of the subbase. See Fig. 1.

Step 8 — Reattach hardwire routing access cover.

Step 9 — Bring power into the subbase electrical junction box using one of the knockouts for conduit connections. See Fig. 4.

Step 10 — Connect power to hardwire wires using field-supplied wire nuts. See Fig. 5 for wiring.

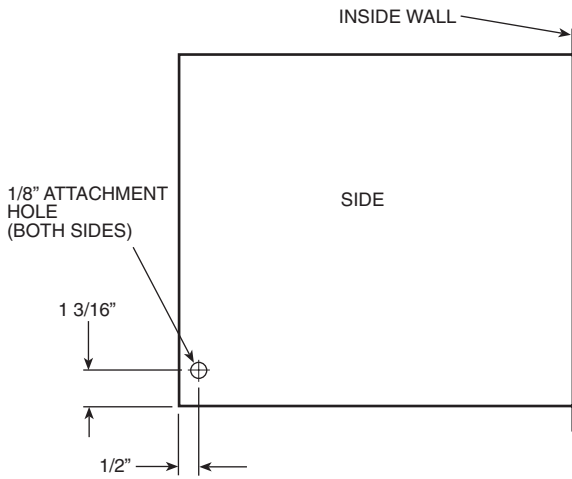


Fig. 2 — Metal Wall Sleeve

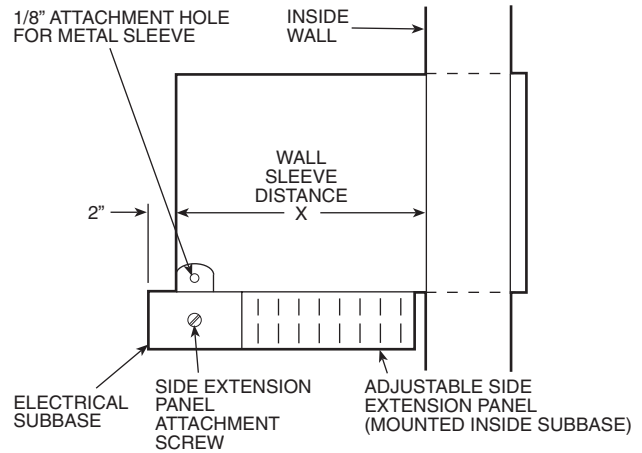


Fig. 3 — Optional Adjustable Side Extension Panels with Hardwire Electrical Subbase

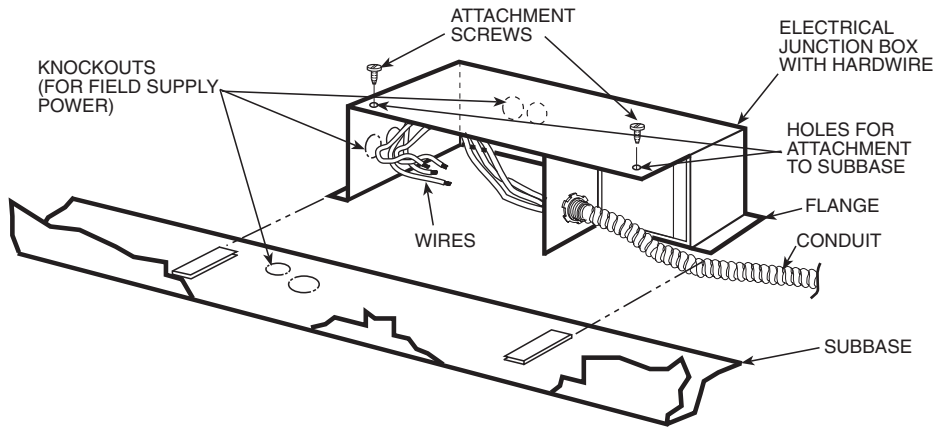


Fig. 4 — Exploded View of Electrical Junction Box to Subbase

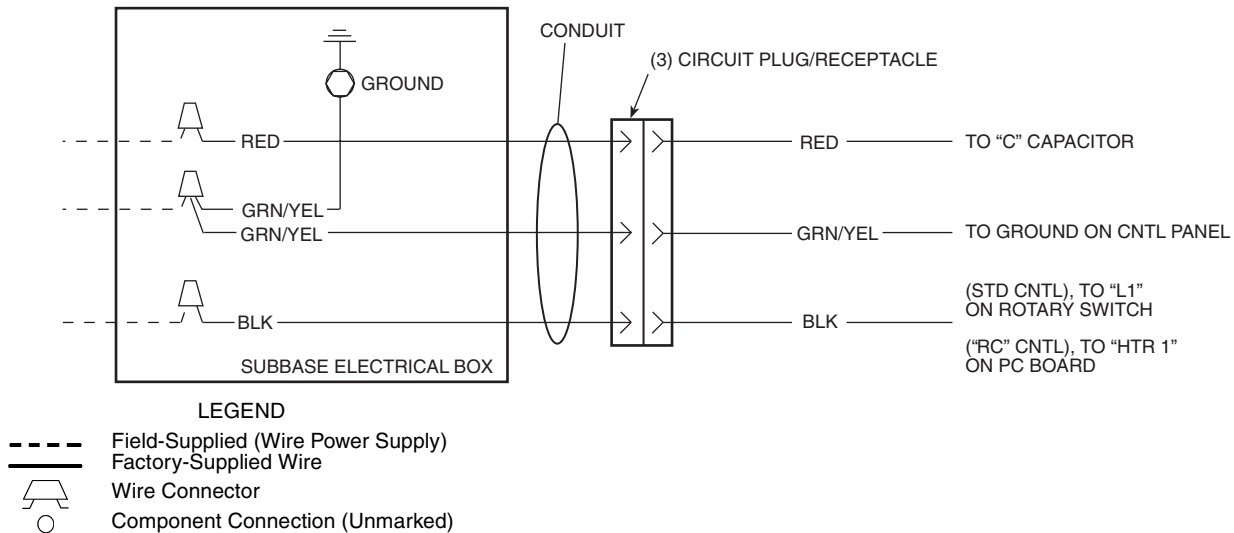


Fig. 5 — Wiring Diagram

Step 11 — Attach subbase to wall sleeve. Subbase has side tabs for mounting the subbase to the sleeve. Be sure hole on side tab is lined up with predrilled locator hole on side of sleeve. Once holes are aligned, attach subbase to sleeve with one (1) black screw on each side. *Do not overtighten.* See Fig. 6.

IMPORTANT: Be sure PTAC unit is installed in wall sleeve before proceeding.

Step 12 — 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. 7.

Step 13 — Remove power cord access cover and save screw for later use. See Fig. 8.

Step 14 — Open control box by removing 2 screws. Save screws. See Fig. 8.

Step 15 — 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. 9.

Step 16 — Disconnect power cord from terminals. Pull cord out from the front and discard.

Step 17 — Separate Molex connectors from hardwire kit and referring to Fig. 9, 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. 10.

Step 18 — Close control box, using 2 screws removed earlier.

Step 19 — Connect male and female Molex connectors. Push Molex connector and excess wiring back into control box through power cord access hole. See Fig. 10.

Step 20 — Attach hardwire access panel with screw saved from Step 13. See Fig. 11.

Step 21 — Replace front panel.

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

Step 22 — Level subbase flush with floor by adjusting leveling bolts beneath each end of subbase. See Fig. 6.

Step 23 — Restore power to unit.

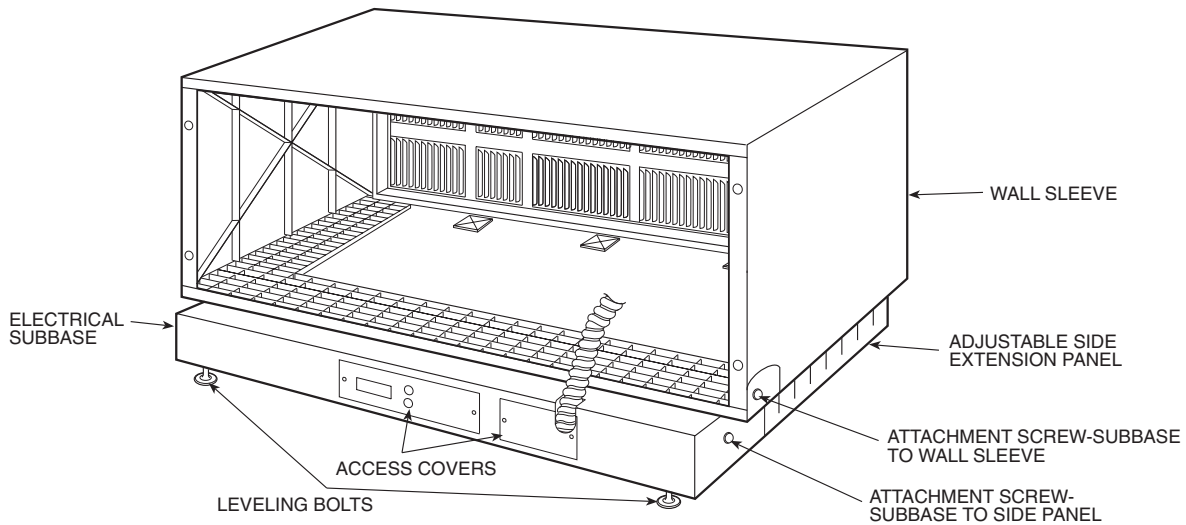


Fig. 6 — Hardwired Subbase Assembly Attached to Wall Sleeve

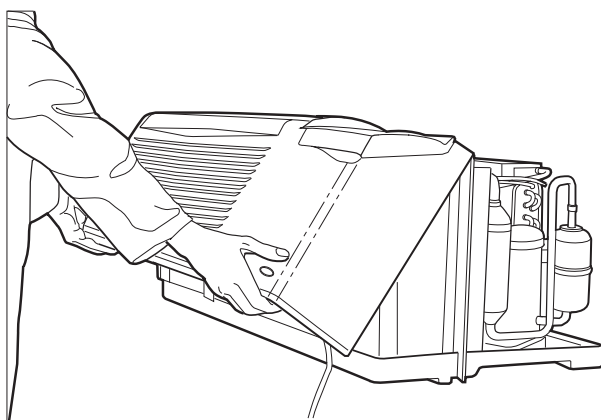


Fig. 7 — Removing Front Panel

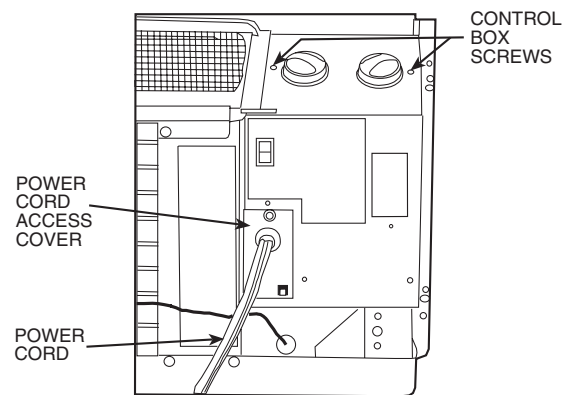
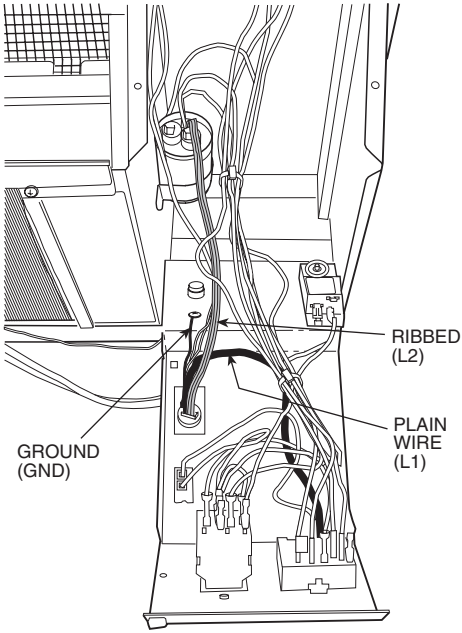
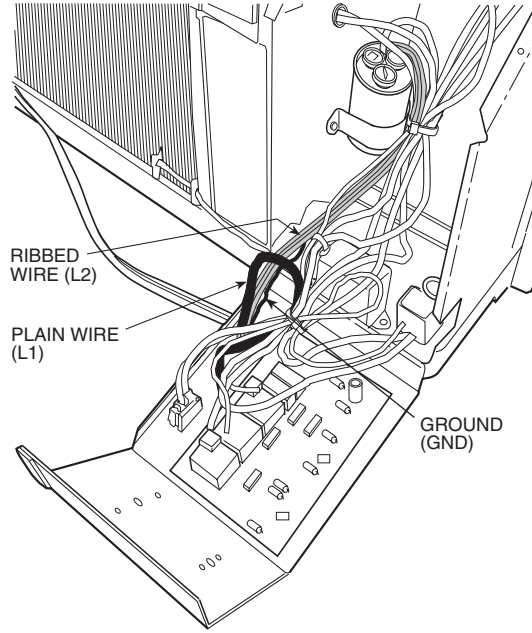


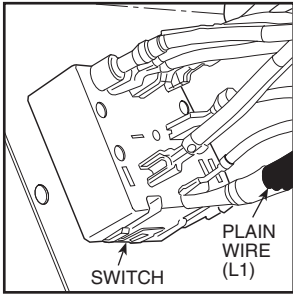
Fig. 8 — Control Box Component Location



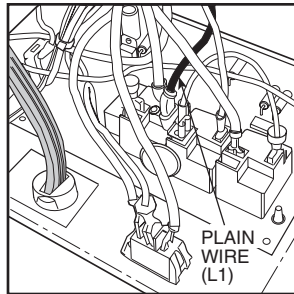
TYPICAL CONTROL BOX WITH UNIT-MOUNTED CONTROLS



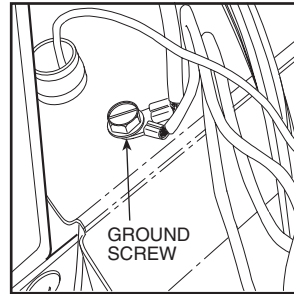
TYPICAL CONTROL BOX FOR WALL THERMOSTAT CONTROLLED UNITS



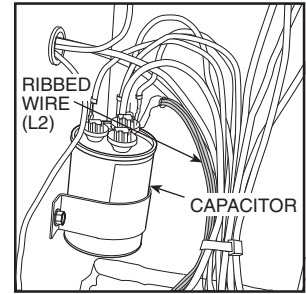
POWER CORD CONNECTION — PLAIN WIRE (PTAC Units With Unit-Mounted Controls)



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

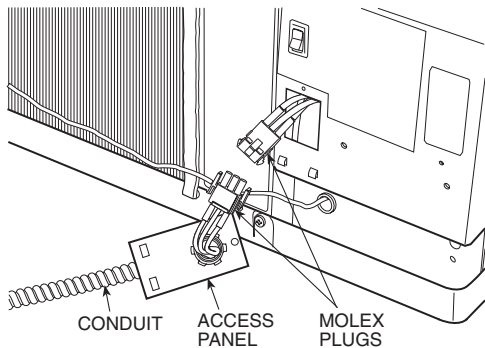


Fig. 10 — Hardwire with Molex Connectors

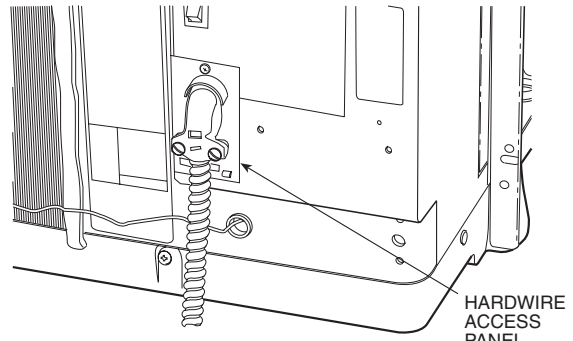


Fig. 11 — Hardwire Access Cover Installed on Control Box