

M-SUBBASE-HW-15A
M-SUBBASE-HW-20A
M-SUBBASE-HW-30A

**Accessory Subbase Hardwire Kit Assembly
for Packaged Terminal Air Conditioners**


Installation Instructions

NOTE: Read and become familiar with these instructions before beginning installation.


SAFETY CONSIDERATIONS

Installing and servicing air-conditioning equipment can be hazardous due to system pressures and electrical components. Only trained and qualified personnel should install or service air-conditioning equipment. When working on air-conditioning equipment, observe the precautions provided in literature, tags, and labels attached to the unit.

Follow all safety codes. Wear safety glasses, protective clothing, and work gloves. Use quenching cloth for brazing operations. Have fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions included in literature and attached to the unit. Consult local building codes and National Electrical Code (NEC), ANSI/NFPA 70, Canadian Electrical Code CSA C22.1 and local codes and ordinances for special requirements.

Recognize safety information. This is the safety-alert symbol . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand these signal words: DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices which **may** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

 **WARNING**

ELECTRICAL SHOCK HAZARD AND/OR UNIT OPERATION AND DAMAGE HAZARD

Failure to follow this warning could result in personal injury or death and/or unit operation and damage.

- Follow the National Electrical Code (NEC), ANSI/NFPA 70, Canadian Electrical Code CSA C22.1 and local codes and ordinances for special requirements.
- For personal safety, this unit **MUST BE** properly grounded.
- Protective devices (fuses or circuit breakers) acceptable for unit installations are specified on the nameplate of each unit.
- **DO NOT** use an extension cord with this unit.
- Aluminum building wiring may present special problems. Consult a qualified electrician for assistance.

When unit is in STOP position, there is still voltage to electrical controls.

Table 1—Package Contents


ITEM	QUANTITY
Subbase Hardwire Kit Assembly	1
Electrical junction box with factory-installed hardwire	1
Hardwire routing access cover	1
Wiring access cover	1
Attachment screws (black)	6

Table 2—POWER CONNECTION CHART

UNIT MODEL	CODE OF SUBBASE HARDWIRE KIT ASSEMBLY		
	30A	20A	15A
	230/208 VOLT		
52ME-U07---3	N/A*	M-SUBBASE -HW-20A	M-SUBBASE -HW-15A
52MQ-U07---3			
52ME-U09---3			
52MQ-U09---3			
52ME-U12---3	M-SUBBASE -HW-30A		
52MQ-U12---3			
52ME-U15---3			
52MQ-U15---3			
	265 VOLT	265 VOLT	265 VOLT
52ME-U07---4	N/A*	M-SUBBASE -HW-20A	M-SUBBASE -HW-15A
52MQ-U07---4			
52ME-U09---4			
52MQ-U09---4			
52ME-U12---4	M-SUBBASE -HW-30A		
52MQ-U12---4			
52ME-U15---4			
52MQ-U15---4			

* Using 30A on these units could result in damage to your unit.

Disconnect power to unit before wiring Subbase Hardwire Kit by removing branch circuit fuses or turning circuit breakers off at panel.

 **CAUTION**

PERSONAL INJURY HAZARD

Failure to follow this caution may result in personal injury. Use care when cutting support rods in filters. This may result in flying debris and sharp rod ends. Always wear safety goggles and appropriate protective clothing.

INTRODUCTION

These instructions cover the installation of the Subbase Hardware Accessory Kit. The kit consists of an electrical junction box, a hardwire routing access cover, a wiring access cover, and 6 attachment screws.

GENERAL

The Subbase Hardware Accessory Kit can be field installed to convert a non-electrical subbase to an electrical hardwired subbase for packaged terminal air conditioner (PTAC) units. See Fig. 1. This kit can be used for both 208/230-v and 265-v applications at 15, 20 and 30 amps.

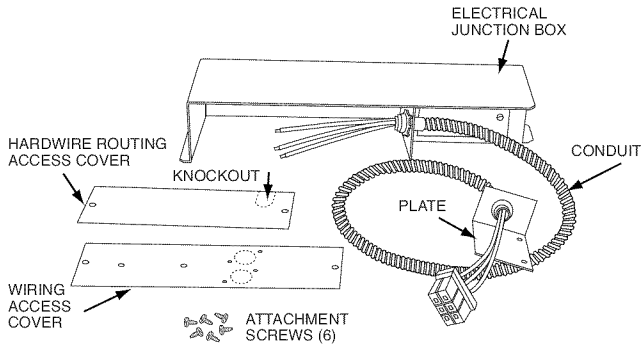


Fig. 1 – Subbase Hardware Accessory Kit

INSTALLATION

⚠ WARNING

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

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

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 National Electrical Code (NEC), ANSI/NFPA 70, Canadian Electrical Code CSA C22.1 and local electrical codes and ordinances.

NOTE: Subbase must be removed from wall sleeve prior to installation of hardwire kit.

Step 1 —Disconnect all power to unit.

Step 2 —Remove the half circle conduit knockout from the hardwire routing access cover (see Fig. 2). This will provide additional space to route conduit from subbase to unit.

Step 3 —Route conduit out through the rectangular conduit notch located on top front of the subbase. See Fig. 2.

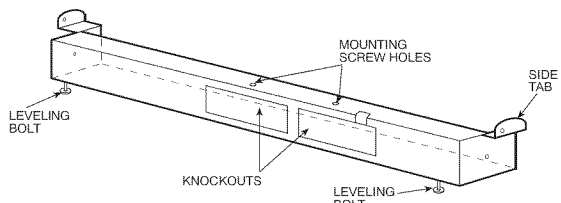


Fig. 2 – Subbase Hardware Assembly

Step 4 —Attach hardwire routing access cover with two (2) black screws (provided).

Step 5 —Bring power into the subbase electrical junction box using one of the knockouts for conduit connections. See Fig. 3.

Step 6 —Connect power to hardwire wires using field-supplied wire nuts. See Fig. 5 for wiring.

Step 7 —Attach wiring access cover with two (2) black screws (provided).

Step 8 —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 pre-drilled locator hole on side of sleeve. Once holes are aligned, attach subbase to sleeve with one (1) black screw (provided) on each side. Do not over-tighten. See Fig. 3.

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

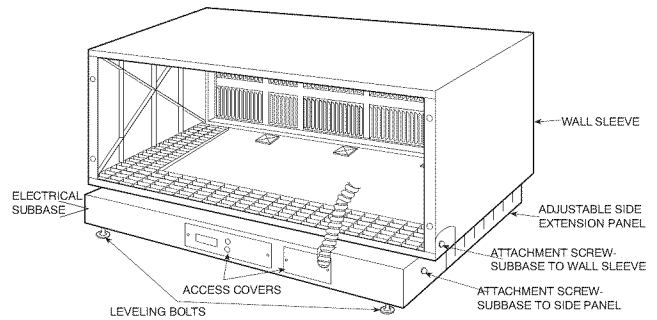
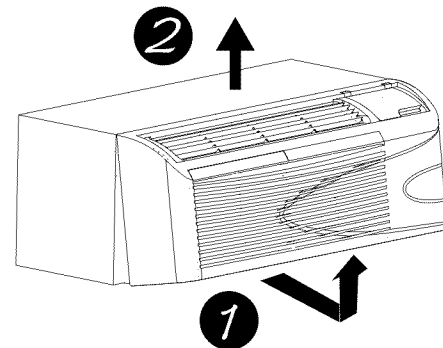


Fig. 3 – Hardwire Subbase Assembly Attached to Wall Sleeve

Step 9 —Remove front panel. See Fig. 4.



Pull out at the bottom to release it from the tabs (1). Then lift up (2).

Fig. 4 – Removing Front Panel

Step 10 —Remove junction box. See Fig. 5.

- a. Remove junction box cover by removing three screws from front (save these for later).
- b. Remove junction box by taking out top, rear, and side screws (save these for later).

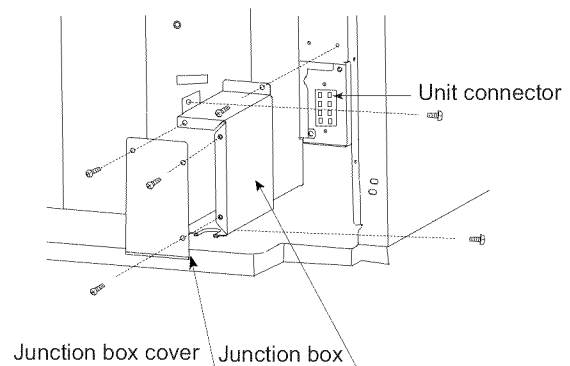
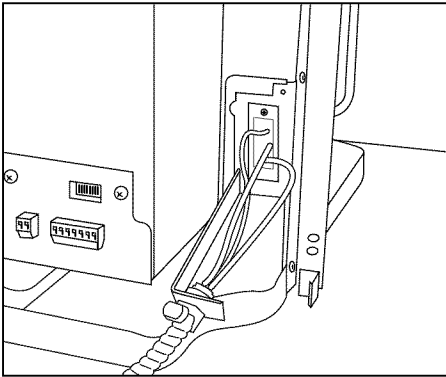


Fig. 5 – Junction Box Location

Step 11 —Connect Hardwire Kit Assembly. See Fig. 6.

- a. Units must be installed using the appropriate Hardwire Kit Assembly. See Table 2.

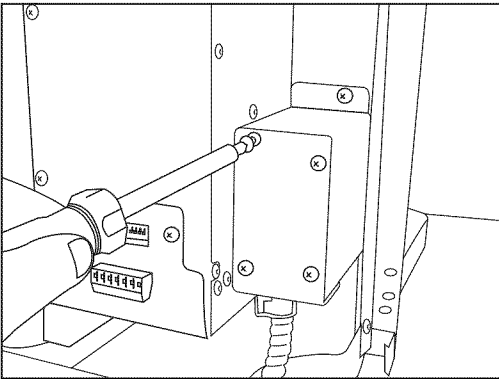


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Fig. 6 – Hardwire Kit Assembly

Step 12 —Re-install junction box and cover. See Fig. 7.

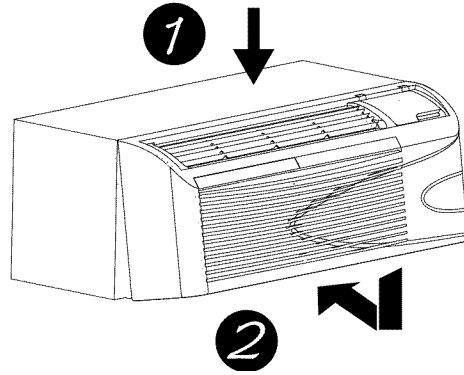
- a. Re-install junction box using parts saved in Step 10.b.
- b. Replace junction box cover using the one attached to accessory conduit. See Fig. 7.



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Fig. 7 – Junction Box Cover

Step 13 —Replace front panel. See Fig. 8

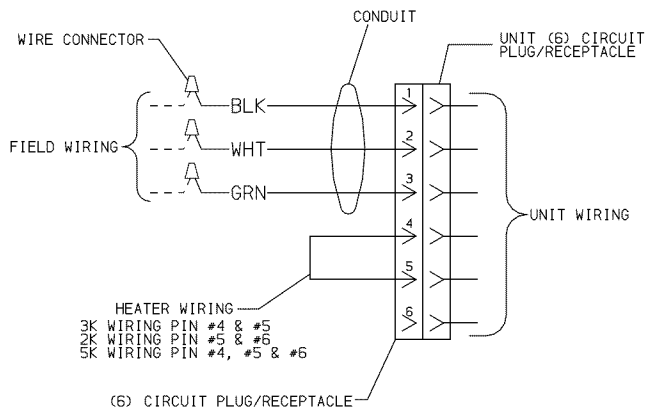


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Place tabs over top rail (1). Push Inward at bottom until panel snaps into place (2).

Fig. 8 – Replacing Front Panel

Step 14 —Make field connections. See Fig. 9.



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Fig. 9 – Wiring Connections

Step 15 —Reconnect branch circuit breakers.

Step 16 —Turn unit on.

