

# Installer's Guide

## Variable Speed EMI Kit

BAYEMIKT01AA

**ALL phases of this installation must comply with NATIONAL, STATE AND LOCAL CODES**

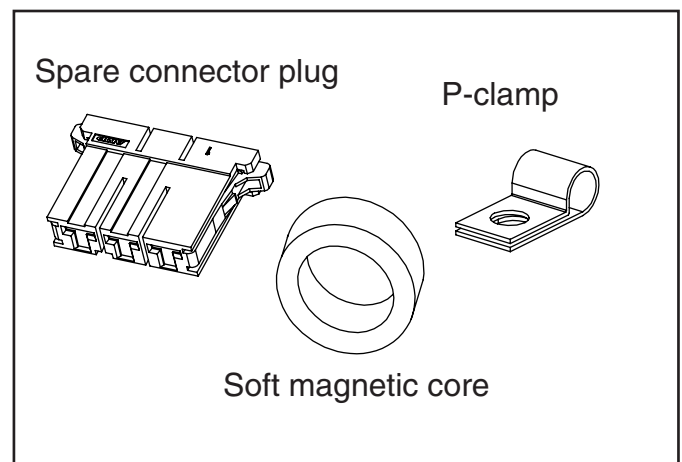
**IMPORTANT**—This Document is **customer property** and is to remain with this unit. Please return to service information pack upon completion of work.

**⚠ WARNING: HAZARDOUS VOLTAGE - DISCONNECT POWER and DISCHARGE CAPACITORS BEFORE SERVICING**

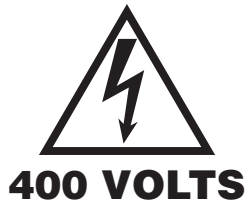
The purpose of the EMI Kit is to reduce or eliminate electrical interference/noise subjected to household audio-video appliances

### Variable Speed EMI Kit Contents:

- 1- Spare connector plug
- 1- Soft magnetic core
- 1- P-clamp
- 1- Installer's Guide



**⚠ WARNING**



### ELECTRICAL HAZARD

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

**WAIT TWO (2) MINUTES** after disconnecting power prior to touching electrical components as they may hold a dangerous charge of 400 VDC, then verify DC Voltage is less than 42 VDC at inverter test points labeled +VDC and -VDC before servicing board.



If voltage does not drop to 42 VDC or less, contact your local service representative

**⚠ WARNING**

This information is for use by individuals having adequate backgrounds of electrical and mechanical experience. Any attempt to repair a central air conditioning product may result in personal injury and/or property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

# Installer's Guide

## Installing the Variable Speed EMI Kit

1. Be certain the power to the unit is DISCONNECTED.
2. Remove the cover panel on the control box compartment.
3. Remove Philips 8-32 X 1/2" screw and .75" OD #10 washer from P-clamp and retain for later use. Remove the P-clamp from the cable and discard.

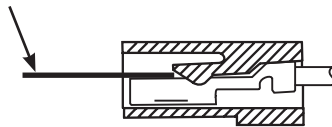


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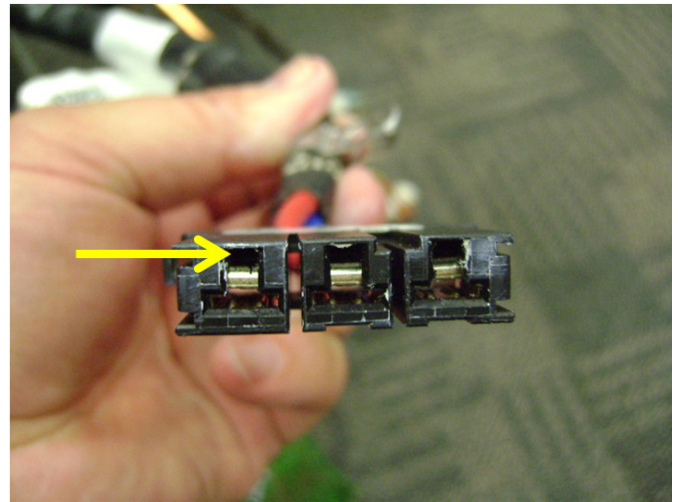
- Unplug compressor cable from Drive.
- Make note of the wire color as it relates to connector plug insertion.  
Blue = W = 3  
Red = V = 2  
Black = U = 1



- Using a paper clip or small screwdriver, insert 1/8" on top side of spade. Apply slight pressure downwards to lift and release the latch. Remove the terminal.



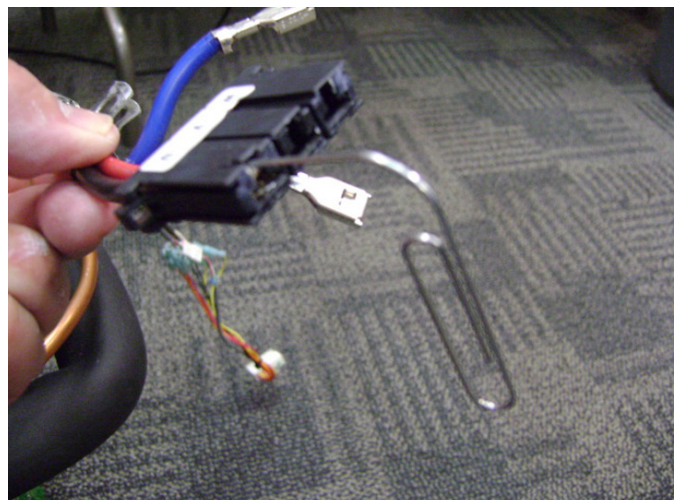
**Lift and release the latch  
to remove the terminal**



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**Note:** If the connector plug is damaged when removing the terminals, discard the broken connector plug and use spare connector plug supplied with the kit.

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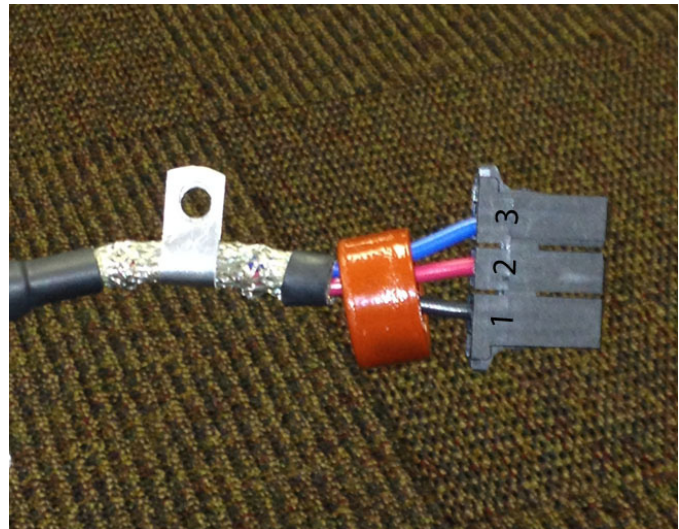
- Once connector plug is removed, slip EMI Core over all three compressor wires.



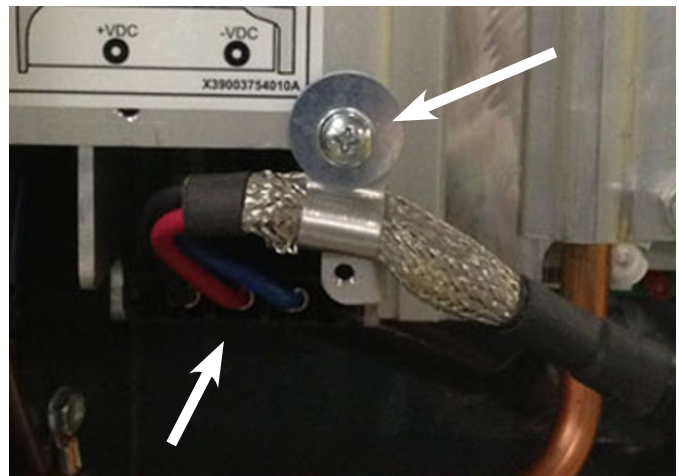
## ⚠ CAUTION

Failure to reinsert wires correctly can result in reverse rotation of compressor.

- Reinsert the wires into the connector plug. If the connector plug was damaged in Step 9, use the spare connector plug supplied in the kit.
- The replacement connector plug is stamped with numbers 1, 2 and 3.
  - Blue = 3
  - Red = 2
  - Black = 1



- Reinstall the connector plug into the Drive.
- Install new P-clamp in orientation shown in picture. Attach to the drive with the Philips screw and washer retained in Step 3. Tighten to bottom out P-clamp to surface then torque 1/4 turn further.
- Reapply power.
- Run the outdoor system to verify correct start-up and operation.



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The manufacturer has a policy of continuous product and product data improvement and it reserves the right to change design and specifications without notice.

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