



## BAYMCBHARNES

### Control Box Harness Extension Kit for Low GWP Cased Coils

Models:

5PXC

5TXC

**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.

#### A. SAFETY:

##### **⚠ SAFETY WARNING**

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literatures and on the tags, stickers, and labels, and that are attached to the equipment.

***IMPORTANT:** These instructions do not cover all variations in systems nor provide for every possible contingency to be met in connection with the installation. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to your installing dealer or local distributor.*

##### **⚠ WARNING**

**RISK OF FIRE!**  
Flammable refrigerant used. To be repaired only by trained service professional. Do not puncture refrigerant tubing. Dispose of properly in accordance with federal or local regulations.

##### **⚠ WARNING**

**WARNING!**  
This product can expose you to chemicals including lead, which are known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

##### **⚠ WARNING**

###### **SAFETY HAZARD!**

This equipment is not to be used by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions concerning the use of appliance by a person responsible for their safety.

##### **⚠ CAUTION**

###### **SHARP EDGE HAZARD!**

Failure to follow this caution could result in property damage or personal injury. Be careful of sharp edges on equipment or any cuts made on sheet metal while installing or servicing.

#### B. GENERAL INFORMATION:

The purpose of this kit is to extend the leak detection sensor harness, which allows relocation of the Mitigation Control Board to an alternate location.

This is an optional accessory for those installation applications where the coil mounted location of the MCB control box causes interferences or issues with other equipment or connections in the installation space.

# Installer's Guide

## C. INSPECTION:

- a. Unpack all components of the kit.
- b. Check carefully for any shipping damage. If any damage is found, this must be reported immediately and a claim made against the transportation company.
- c. Check to be sure all components are in the package. Any missing components should be reported to your supplier at once and replaced with authorized components only.

## D. KIT CONTENTS:

No.	Description	Quantity
1	Harness - MCB to A2L Sensor	1
2	Installer Guide	1

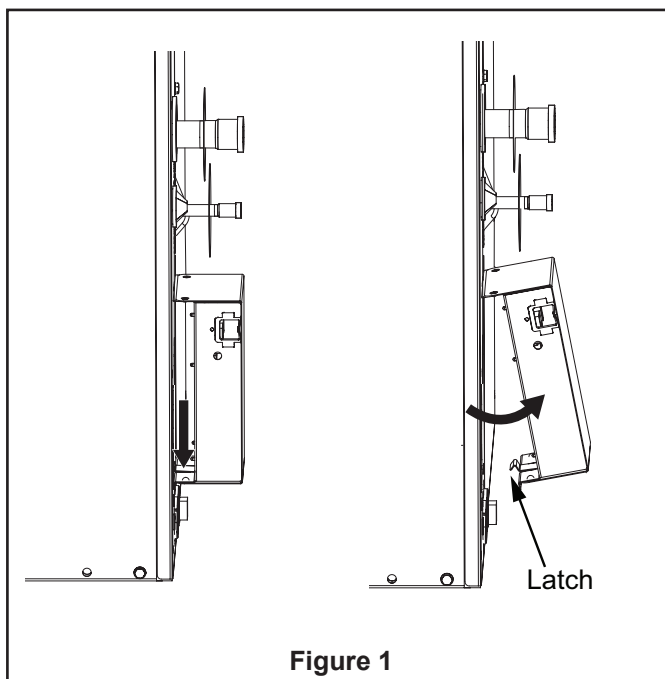
## E. INSTALLATION INSTRUCTIONS:

### RECOMMENDATION:

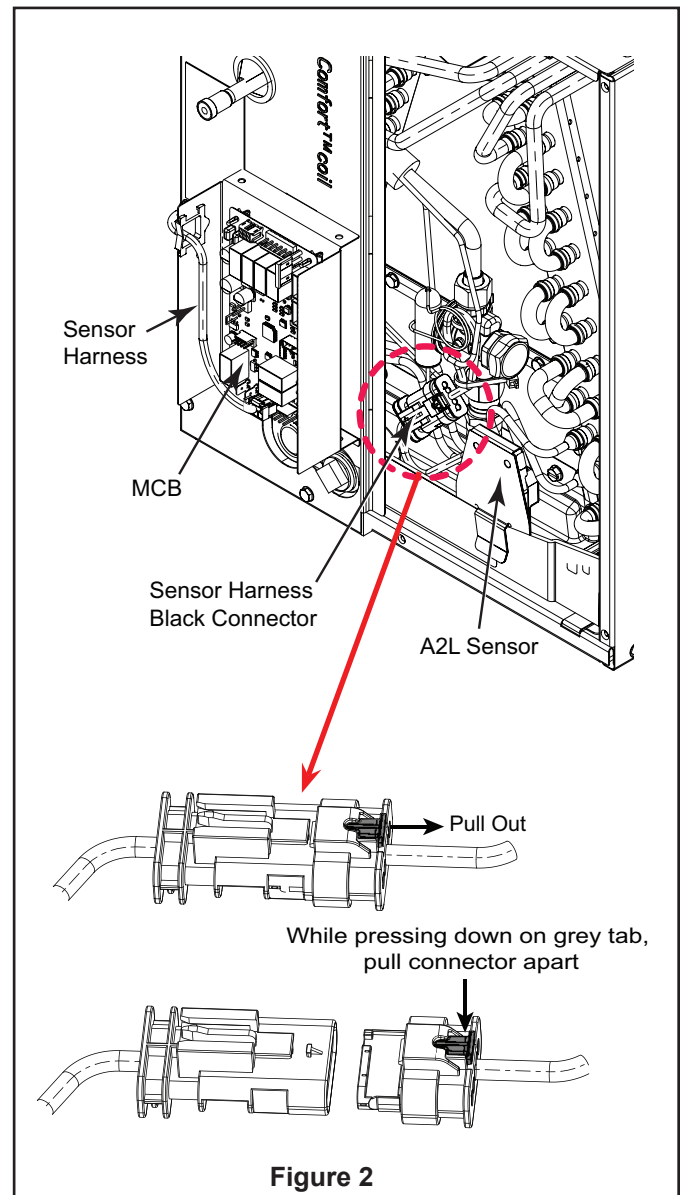
If this kit is part of a partial or total system installation, use the Installer's Guide packaged with the coil, furnace, outdoor section, and/or thermostat for physically installing those components.

**Important:** Installation of this unit shall be made in accordance with the National Electric Code, NFPA No. 90A and 90B, and any other local codes or utilities requirements.

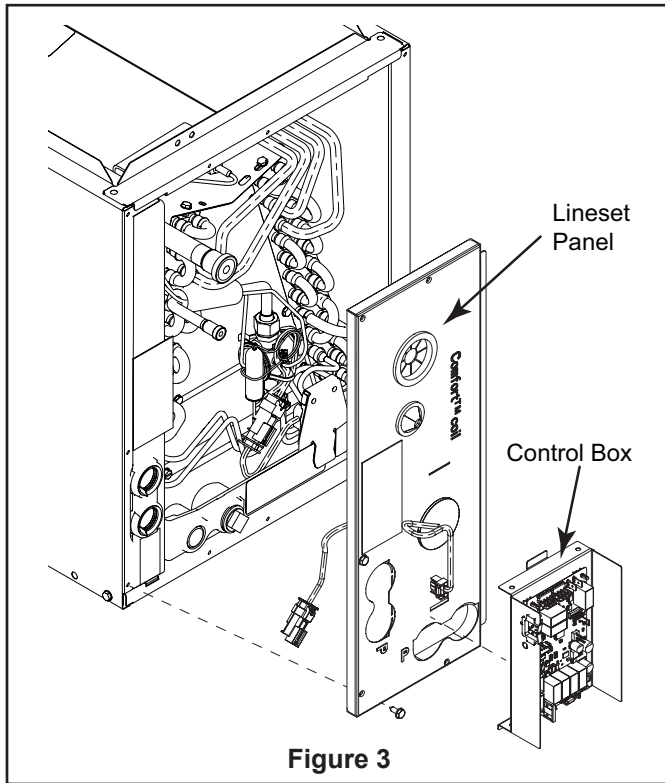
1. Press on the latch at the bottom of the control box, rotate the control box off the lineset panel and remove the control box from coil cabinet. See Figure 1.



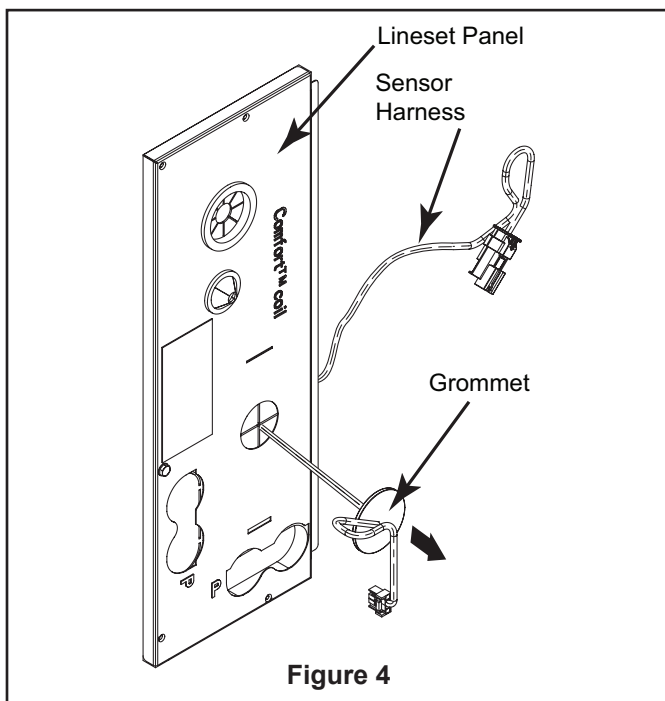
2. Disconnect the existing sensor harness black connector from the connector on the coil sensor harness and disconnect the other end of the sensor harness that connects to the MCB. See Figure 2.
  - a) To disconnect the black connector, first pull out the grey tab, and then actively push down on the grey tab while simultaneously pulling the connection apart to get it loose. See Figure 2.



3. Set the control box aside. See Figure 3.
4. Remove the lineset panel from the coil cabinet. See Figure 3.

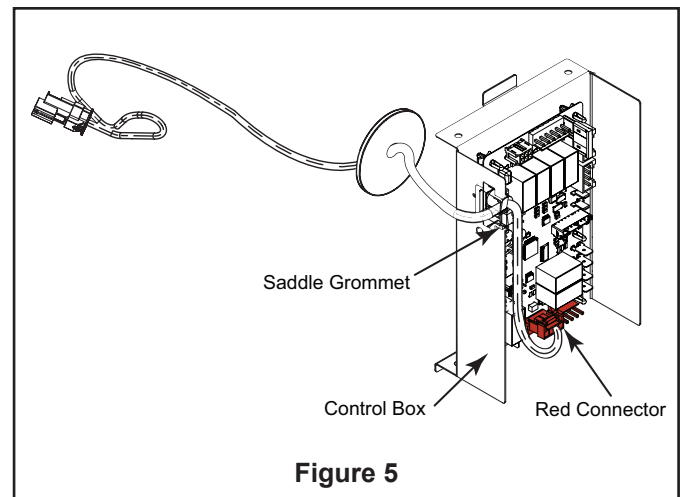


5. Remove the sensor harness from the lineset panel by pushing out the grommet from the lineset panel and sliding out the sensor harness. See Figure 4.

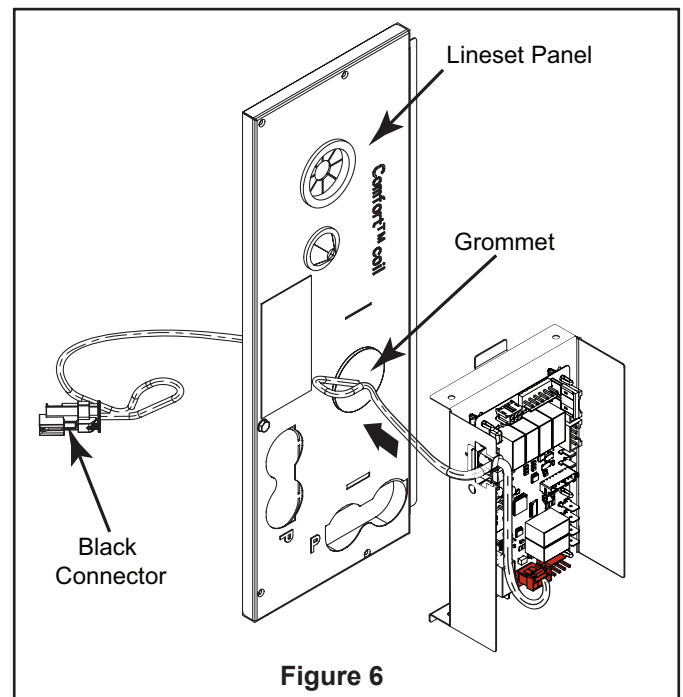


6. Take out the new longer sensor harness supplied with this kit.
7. Connect the red connector at one end of the new sensor harness to the MCB. Route the other end of the new sensor harness through the saddle grommet located on the side of the control box. See Figure 5.

**Note:** Only one sensor should be connected to the MCB (do not connect two sensors at the same time). Also, it does not matter which red connector the sensor is plugged into.



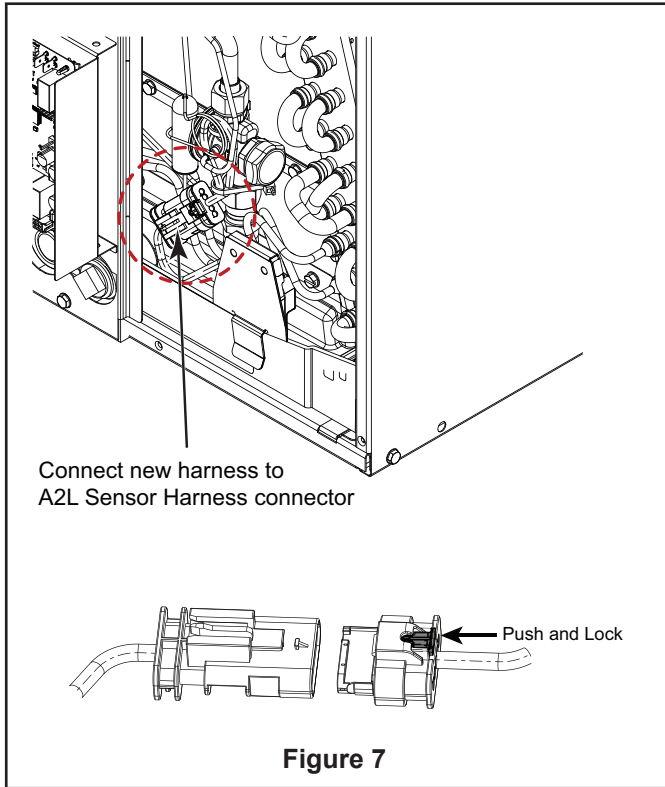
8. Carefully, put the black connector through the sensor hole on the lineset panel. Press molded on grommet into hole until fully seated. See Figure 6.



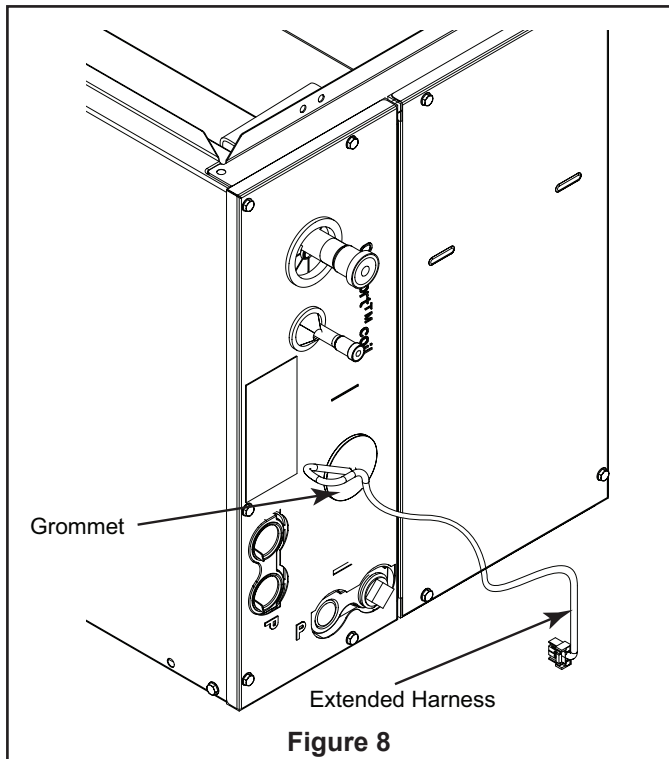
# Installer's Guide

9. Connect the black connector to the connector on the coil sensor harness. See Figure 7.

**Note:** To connect the black connector, stick together and then press in the grey tab to lock the connector.



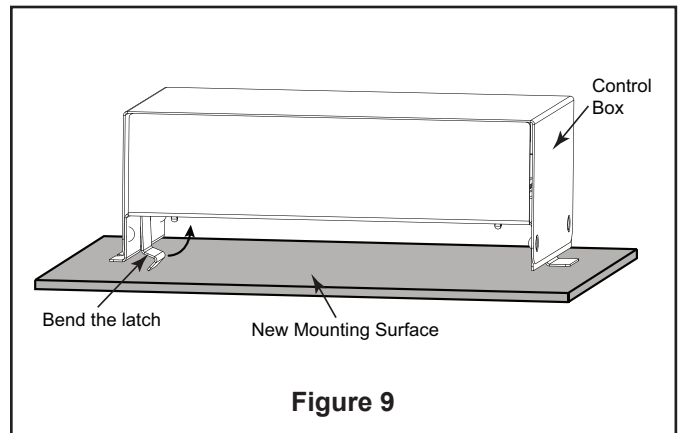
10. Reinstall the lineset panel to coil cabinet. See Figure 8.



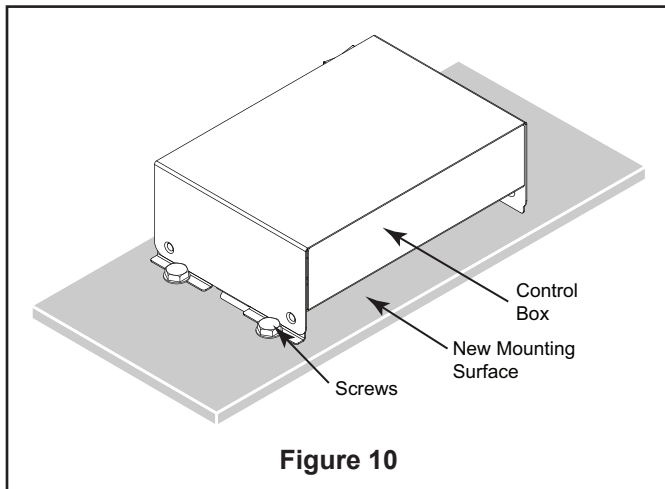
11. Find the new mounting location for MCB control box. The new location may be up to 6 feet away from the original location. When identifying a new mounting location, ensure harness wires are routed clear of other components such as refrigerant, condensate, and furnace flue pipes. Check that the new location allows adequate length for other wire harnesses that connect to the MCB such as the 24VAC harness supplied with the coil.

**Note:** It is not recommended to attach the control box to an alternate location on the coil cabinet. Attachment screws may puncture refrigerant tubes or damage the coil drainpan.

12. Use the arrow head wire tie provided with the coil and 0.25" diameter hole on the side of the control box to ensure the sensor harness and other 24VAC or communicating harnesses are properly strain relieved per instructions in the coil Installer's Guide.
13. Firmly press the latch at the bottom of the control box inward and bend the snap feature permanently inward. This should allow the control box flanges to sit flush with the new mounting surface. See Figure 9.

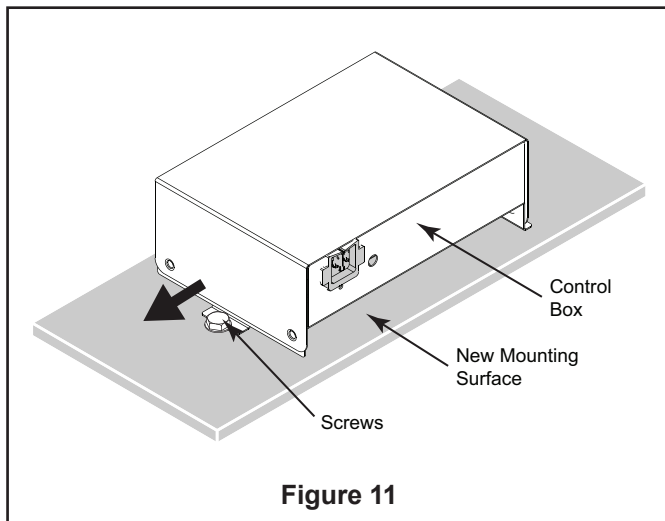


14. Align two field supplied screws with locators on the bottom flanges of the control box and secure them into the new mounting surface. Mount the control box down onto the screws. See Figure 10.



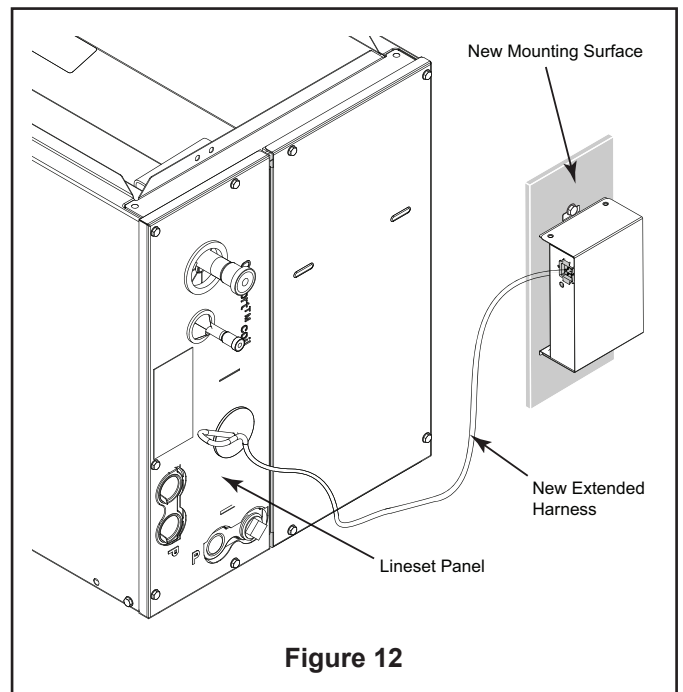
**Figure 10**

15. Attach the third field supplied screw over the top flange to complete the installation. See Figure 11.



**Figure 11**

16. Refer to the coil installation guide for the remainder of the installation, including other electrical connections between the MCB, furnace, thermostat, and outdoor unit.



**Figure 12**

Figure 12 shows the complete installation.

# Installer's Guide

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NOTES:

**NOTES:**

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Supersedes (New)

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