

## Return Air Pressure Transducer Kit

This kit is used on TAMX and 5TAMX air handlers.

### Kit Model: BAYAHPTKT

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.

### 1. Safety Considerations

**IMPORTANT:** Follow all Warnings and Cautions in the air handler Installer's Guide.

#### ⚠ WARNING

THE INFORMATION IN THIS GUIDE IS FOR USE BY INDIVIDUALS HAVING ADEQUATE ELECTRICAL AND MECHANICAL BACKGROUND. ANY ATTEMPTS, BY UNQUALIFIED PERSONS, AT PLUMBING, INSTALLING OR REPAIRING A HYDRONIC SYSTEM OR CENTRAL AIR CONDITIONING PRODUCT COULD RESULT IN PROPERTY DAMAGE, SEVERE PERSONAL INJURY OR DEATH. THE MANUFACTURER OR SELLER CANNOT BE RESPONSIBLE FOR THE INTERPRETATION OF THIS INFORMATION, NOR CAN IT ASSUME ANY LIABILITY IN CONNECTION WITH ITS USE.

#### ⚠ WARNING

**ELECTRICAL HAZARD!**  
DISCONNECT ALL ELECTRICAL POWER, INCLUDING REMOTE DISCONNECTS BEFORE INSTALLING OR SERVICING. FOLLOW PROPER LOCKOUT/TAGOUT PROCEDURES TO ENSURE THE POWER CAN NOT BE INADVERTENTLY ENERGIZED. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN SERIOUS PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE.

### 2. Inspection

1. Unpack all components of the kit.
2. Check carefully for any shipping damage. If any damage is found, this must be reported immediately and a claim made against the transportation company.
3. 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.

### 3. General Information

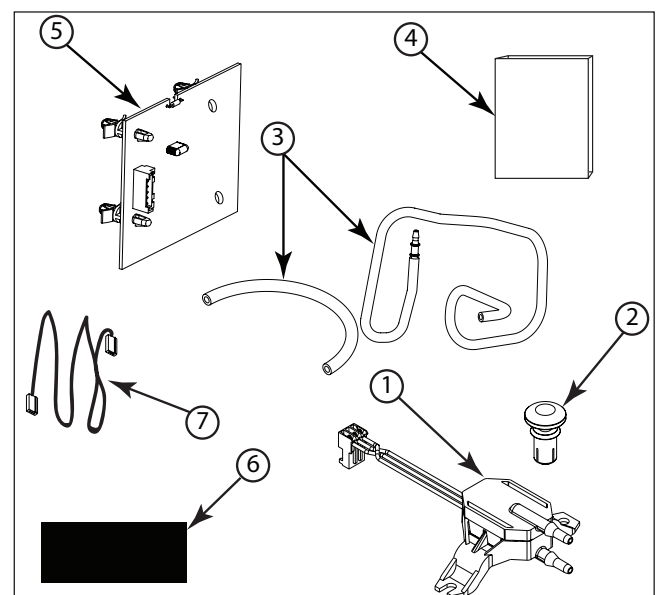
The BAYAHPTKT kit includes a pressure transducer and hoses. The transducer mounts to the existing temperature board located next to the door switches on the blower assembly of the air handler.

**Note:** This kit is used to read return air static pressure for diagnostic purposes.

### 4. Kit Contents

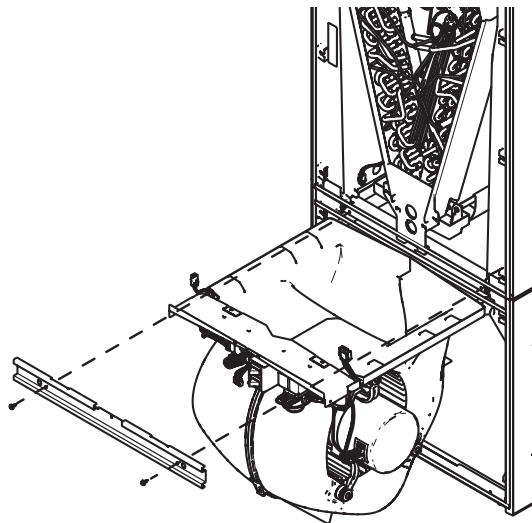
Each kit will contain:

Item	Qty	Description
1	1	Transducer
2	2	Mounting rivets
3	1	Reference hose(s)
4	1	Installer's Guide
5	1	Pressure transducer board
6	1	Adhesive strip
7	1	Wiring harness
8	AR	Alcohol wipe

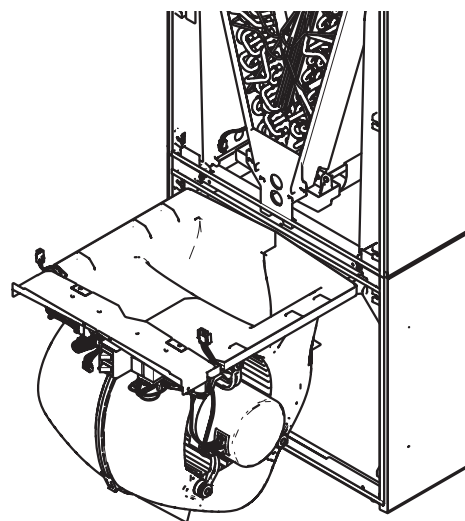


## 5. Installation Instructions

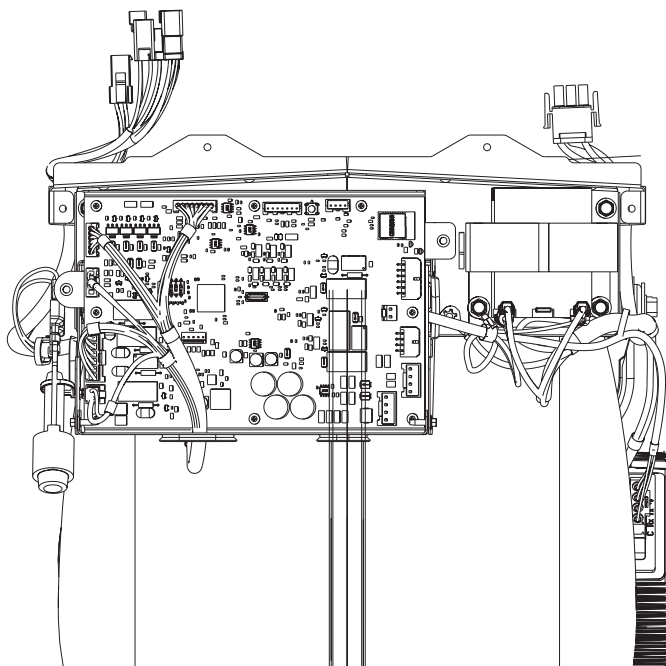
1. Remove power from the air handler.
2. Remove blower panel and coil panel.
3. Remove the two screws on the seal bar and pull the seal bar straight out.
4. Disconnect all wiring connections routed to the blower assembly.



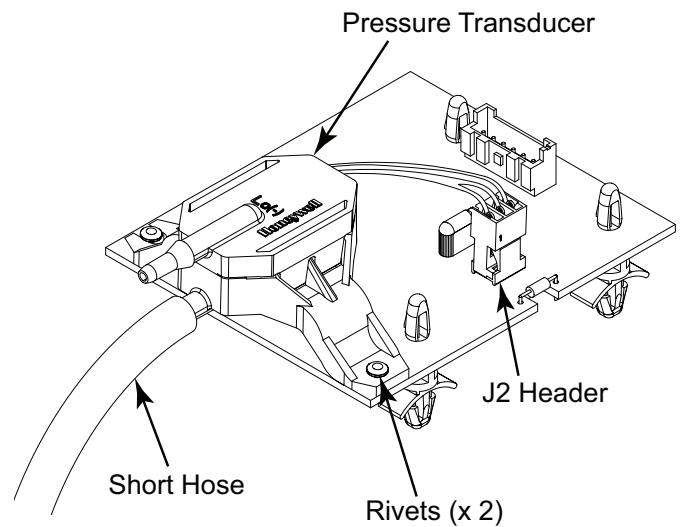
5. Slide the blower assembly out.  
**Note:** Do Not damage the harnesses.



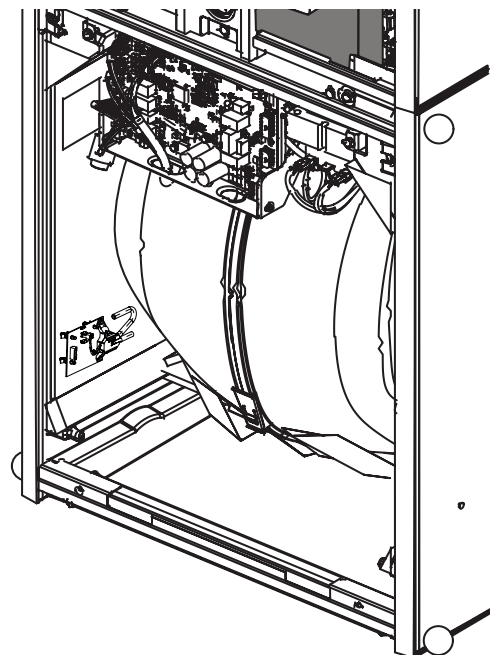
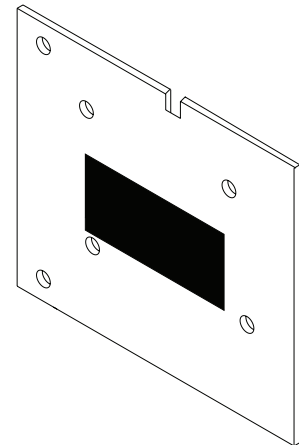
6. If the air handler has an integrated pressure transducer board:
  - Locate the pressure transducer board located next to the door switches in the blower compartment.
  - Otherwise, locate the pressure transducer board from kit contents.



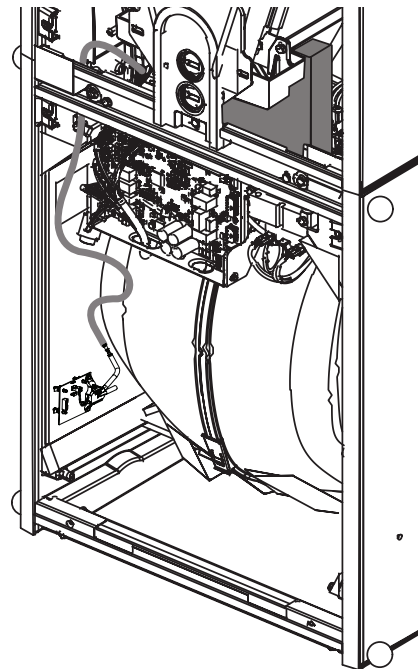
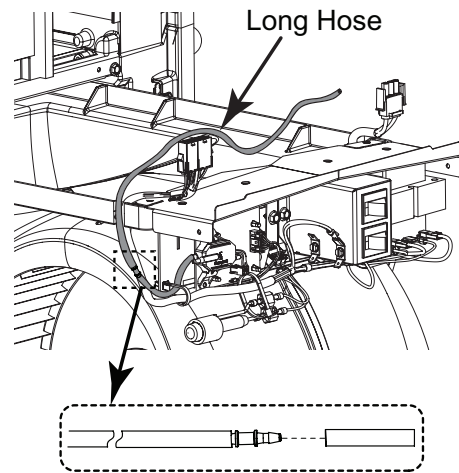
7. Install the pressure transducer on the circuit board using two (2) plastic rivets.
8. Plug transducer wire harness onto the J2 header on the circuit board.
9. Install short hose on transducer port closest to the circuit board. Front port will remain open.



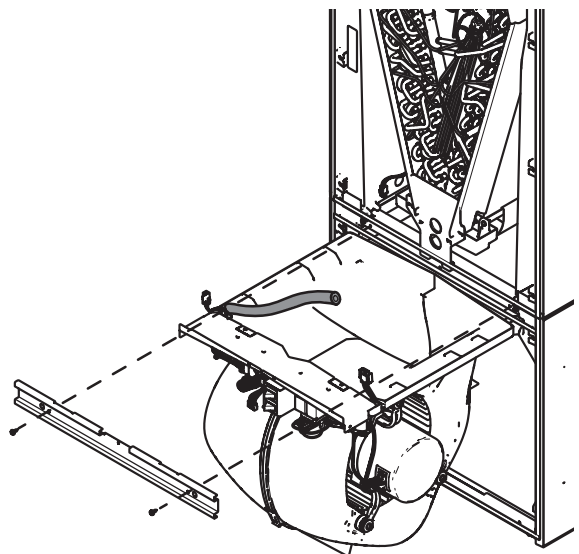
10. If a pressure transducer board is used from the kit, then follow the instructions below to install the board:
  - Wipe adhesive locations both on the board and the inner wall of the air handler with the provided alcohol wipe in the kit.
  - Apply adhesive strip to rear of board as shown in the figure.
  - Attach the board to the approximate areas shown inside the blower compartment of the air handler.



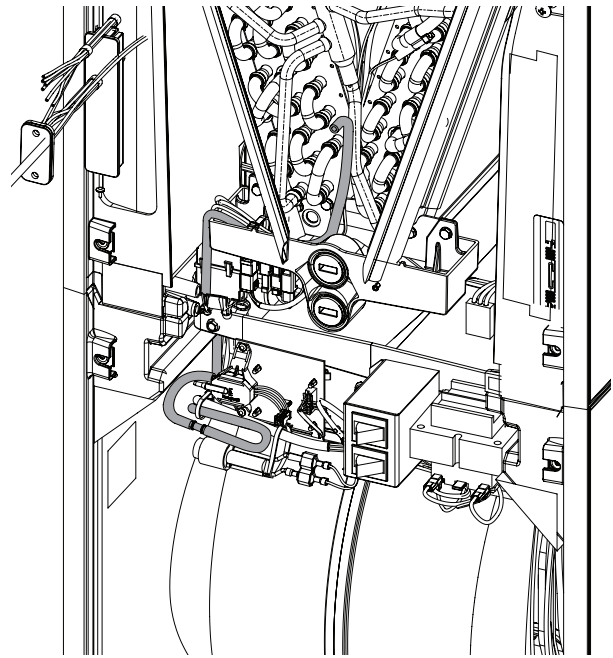
11. Connect the long hose into short hose barb fitting and route long hose around the left side of the blower housing through the notch with the wire harnesses.



12. Re-install the blower assembly back into the unit. Be careful not to damage the harness or hose when sliding in blower assembly.
13. Re-install the seal bar using the two (2) screws that was removed earlier.

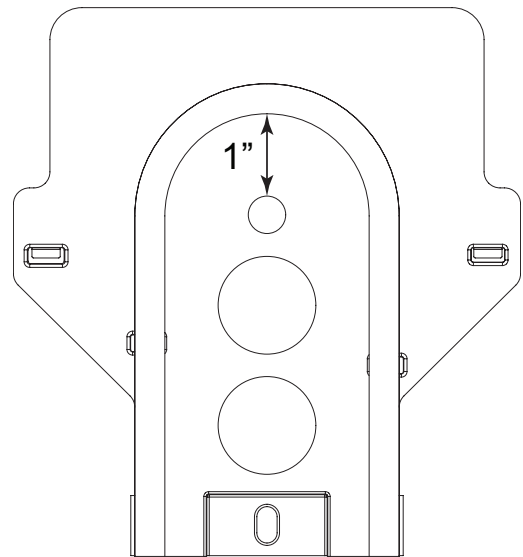


14. Route the long hose along with the EEV sensor and EEV stepper harness through the upflow drain pan.



**Note:** Removed seal bar for clarity.

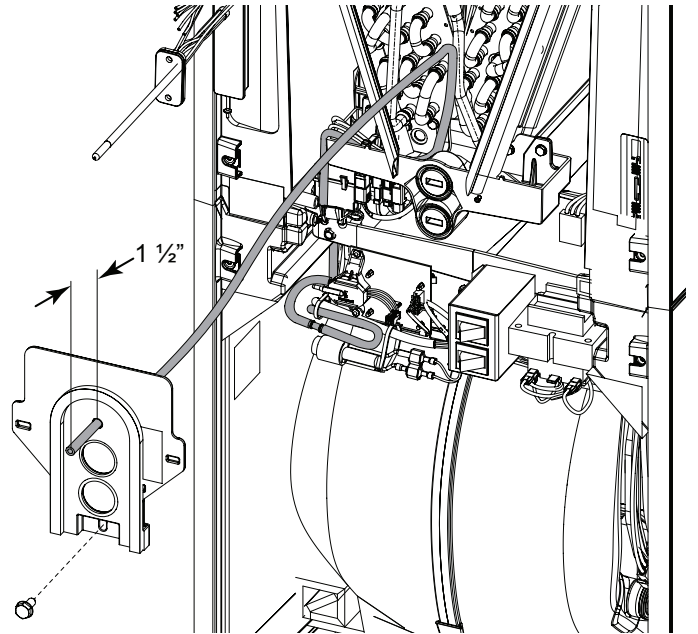
15. Remove the seal plate.  
 16. Drill a 5/16" hole in the seal plate 1" below the top center of the foam seal. Be careful not to puncture the evaporator coil circuits.



17. Route hose into the seal plate hole from behind and re-install the seal plate. Extend the hose out at least 1½ inches.

18. Reinstall panels and return unit to operation.

**Note:** The air handler will automatically start to report return air static pressure to diagnostics with no configuration necessary.



**Note:** Removed seal bar for clarity.



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The manufacturer has a policy of continuous data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

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