

Installer's Guide

BAYSWT01AMALTB

18-CH35D1-4A-EN



Medium Altitude Conversion Kit - Used with:

- *UX1C100A9H41A, *UX1C100A9481A
 - *UX1D120A9H51A, *UX1D120A9601A
 - *DX1C100A9H41A, *DX1C100A9481A
 - *DX1D120A9H51A, *DX1D120A9601A
- * first letter may be "A", "C" or "T"

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

Safety Warning

This conversion kit shall be installed by a qualified service agency in accordance with the furnace manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. The qualified service agency is responsible for the proper installation of the kit. The installation is not proper and complete until the operation of the converted furnace is checked as specified in the furnace manufacturer's instructions supplied with the kit. Failure to follow the safety warning could result in a fire, an explosion or production of carbon monoxide causing property damage, personal injury or loss of life.

A. GENERAL

This medium altitude conversion kit is to be used only with furnace model numbers listed above and used with natural gas or LP gas.

These instructions describe the conversion of these furnaces for installation at altitudes between 2000 and 4000 feet above sea level.

Due to the lower density of air at higher altitudes, there would be insufficient negative pressure developed by the induced draft blower to maintain normal operation. Therefore, to compensate for the less dense air, pressure switches must be changed to prevent nuisance lockouts and/or cycling of the reduced draft blower on high speed. Please note that with the reduced firing input rates required for medium altitude installations, the induced draft blower has ample capacity to provide sufficient combustion air for proper and safe operation. This kit contains pressure switch part number C342634P21 and conversion label part number A343079P01. **Refer to the National Fuel Gas Code, Section 8.1.2 and Appendix F, for information regarding the correct procedure to derate the furnace's input.** The following instructions must be followed to convert these furnaces for medium altitude applications.

About Trane and American Standard Heating and Air Conditioning

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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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B. CONVERSION

CAUTION

Before proceeding with the conversion, the gas supply shall be shut off prior to disconnecting the electrical power.

1. Check for damage to kit contents.
2. Disconnect electrical supply to furnace, if installed.
3. Remove the wiring connections from the pressure switch(es) in the furnace. Mark the wires if needed to properly identify the replacement.
4. Remove the pressure switch sample tube from the switch assembly.
5. Remove the pressure switch from the unit.
6. Install the new pressure switch in the same location and manner as the old pressure switch.
7. Connect the pressure switch sample tube and electrical connections.
8. Reconnect the electrical supply to the unit.

C. CHECKOUT

Adjust the input rate, manifold pressure, and install correct main burner gas orifice size according to the unit Installer's Guide. Fill out the information on the conversion label and attach the label (part number A343079P01) to the exterior of the furnace door. Once the furnace has been correctly rated for the medium altitude installation, and the pressure switch has been changed, the furnace installation shall be checked for proper installation and performance. Refer to the unit Installer's Guide for checkout procedure.

D. NOTES

1. The use of medium altitude calibrated pressure switches in sea level applications is not permitted.
2. The medium altitude pressure switches are factory calibrated and sealed. Field adjustment is not permitted. If the factory seal is broken, the product warranty may be voided.

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