

Installer's Guide

18-CH25D1-4A-EN



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

Model:
BAYHALT248
BAYHALT249

HIGH ALTITUDE CONVERSION KITS

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

These high altitude conversion kits are to be used only with furnace product lines

*UD-C-K0 and later; *DD-C-F0 and later;

*UD-R-K0 and later; *DD-R-F0 and later;

*UE-A-L0 and later; *DE-A-M0 and later;

CUB-A-C0 and later; CDB-A-D0 and later and used with natural or LP gas.

These instructions describe the required conversions of furnaces necessary for installation above an altitude of 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 that are required for high altitude installations, the induced draft blower has ample capacity to provide sufficient combustion air for proper and safe operation. 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 to high altitude applications.

B. CONVERSION

⚠ CAUTION

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

These instructions apply to models of the

*UD-C-K0 and later; *DD-C-F0 and later;

*UD-R-K0 and later; *DD-R-F0 and later;

*UE-A-L0 and later; *DE-A-M0 and later;

CUB-A-C0 and later; CDB-A-D0 and later product lines.

1. Check for damage to kit contents, and check for all items listed in the table.
2. Disconnect electrical supply to the 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(es) sample tube from the switch assembly.
5. Remove the pressure switch(es) from the unit.
6. Install the new pressure switch(es) in the same location and manner as the old pressure switch(es).
7. Connect the pressure switch sample tube and electrical connections.
8. Reconnect the electrical supply to the unit.

C. CHECKOUT

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

D. NOTES

1. The use of high altitude calibrated pressure switches in sea level applications is not permitted.
2. The high 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.

E. CONVERSION KITS

KIT CONTENTS: HIGH ALTITUDE CONVERSION KITS		
Kit Model No.	Furnace Models	Contents
BAYHALT248	*UD-C-K0 and later, *DD-C-F0 and later, *UE-A-L0 and later, *DE-A-M0 and later, CUB-A-C0 and later, CDB-A-D0 and later	1 - Pressure Switches Part #C341750P03
BAYHALT249	*UD-R-K0 and later, *DD-R-F0 and later	2 - Pressure Switch Part #C341750P04
* First letter may be "A" or "T"		

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