



18-CH44D1-1A-EN

# Installer's Guide

## Kit 15182

## Conversion Kit: Temperature Limit Switch

**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.

### Kit Components

Refer to Table 1 and Figure 1 for part identification.

Table 1

Item No.	Drawing No.	Description	Quantity
1	C340366P08	switch-thermal limit (swt01652)	1
2	B340345P02	gasket-limit switch	1
3	N154CP1608B	screw 10-16 AB HXW 1/2 S N	2
4	D343384P01	conversion label	1
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### Application

Use these instructions when replacing the thermal limit switch on the following furnace models.

- TUH2B080A9V3VAA
- AUH2B080A9V3VAA
- TUH2D120A9V5VAA
- AUH2D120A9V5VAA

### Safety Section

#### **⚠ WARNING**

#### **HAZARDOUS SERVICE PROCEDURE**

**THIS SERVICE PROCEDURE COULD RESULT IN EXPOSURE TO ELECTRICAL, MECHANICAL, OR OTHER POTENTIAL SAFETY HAZARDS.**

**DISCONNECT ALL ELECTRICAL POWER INCLUDING REMOTE DISCONNECT AND DISCHARGE ALL ENERGY STORING DEVICES SUCH AS CAPACITORS BEFORE SERVICING.**

**WHEN NECESSARY TO WORK WITH LIVE ELECTRICAL COMPONENTS, HAVE A QUALIFIED LICENSED ELECTRICIAN OR OTHER INDIVIDUAL WHO HAS BEEN TRAINED IN HANDLING LIVE ELECTRICAL COMPONENTS PERFORM THESE TASKS.**

**FAILURE TO FOLLOW THIS WARNING COULD RESULT IN PERSONAL INJURY, DEATH OR PROPERTY DAMAGE.**

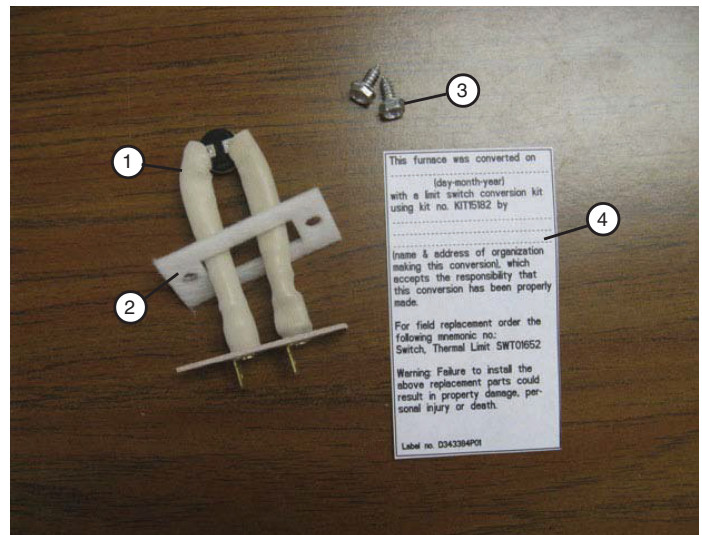


Figure 1

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## Installation of Thermal Limit Switch:

### REMOVING THE EXISTING THERMAL LIMIT SWITCH:

- a) Turn the thermostat to the off position.
- b) Disconnect all electric power and shut off the gas supply to the furnace.
- c) Remove the burner & blower door.
- d) Disconnect the two wires from the thermal limit switch.
- e) Remove the two screws from the thermal limit switch.
- f) Remove the thermal limit switch.

### INSTALLING THE NEW THERMAL LIMIT SWITCH:

- a) Install the gasket (item #2) to the thermal limit switch (item #1).
- b) Attach the switch to the partition using the two screws (item #3).
- c) Attach the two wires to the thermal limit switch that were removed in step d) of removing the limit switch.
- d) Reinstall the burner & blower door.
- e) Reconnect all electric power and turn on the gas supply to the unit.
- f) Verification of proper operation:
  - 1) Place the thermostat in the heating mode.
  - 2) Initiate a call for heat by rising the thermostat setting 5 degrees above the room temperature.
  - 3) Observe the furnace: If properly wired, the following start-up sequence should be observed:
    - the red LED on the IFC should start a fast flash sequence.
    - the draft inducer should energize, then the igniter should start to glow.
    - after the igniter heat up time has expired, the gas valve should be energized - listen for the "click", the gas will then ignite.
    - after 45 seconds the main blower will turn on.Operate unit long enough to verify proper limit operation. When proper operation has been verified, set the thermostat back to the desired comfort set point.
- g) Sign and attach the conversion label (item #4) to the front of the blower door.

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