

# INSTALLATION INSTRUCTIONS

## For Long Vent Pressure Switch Kits: NAHA001LV01, NAHA002LV01, NAHA003LV01

This kit is designed to replace the standard pressure switch on N9MP1100F14, N9MP1100J20, N9MP2075B12, N9MP2100F14, N9MP2100J20, N9MPD100J14, N9MPD100J20, \*9MPD100J14 and \*9MPD100J20 with a dual pressure switch for long vent installations.

\* Denotes Brand (T, H or C)

**Please read these instructions completely before attempting installation.**

Examine Kit to determine that the following parts are present:  
If any parts are missing, immediately contact your parts supplier.

Kit Model No	Use with Furnace Model No
NAHA001LV01 (Standard)	N9MP1075B12 N9MP1100F14 N9MP2075B12 N9MP2100F14
<b>Parts List</b>	
<b>Description</b>	<b>Part No. Qty.</b>
Pressure Switch	1013518 1
Hose, Blower 10"	1009238 1
Hose, Transition 21"	1009238 1
Wire Asy.	1013814 1
Instructions	441 06 1033 02 1
NAHA002LV01 (Standard)	N9MP1100J20 N9MP2100J20 N9MPD100J14 N9MPD100J20 *9MPD100J14 *9MPD100J20
<b>Parts List</b>	
<b>Description</b>	<b>Part No. Qty.</b>
Pressure Switch	1013515 1
Hose, Blower 10"	1009238 1
Hose, Transition 21"	1009238 1
Wire Asy.	1013814 1
Instructions	441 06 1033 02 1
NAHA003LV01 (Hi-Altitude)	N9MP1075B12 N9MP1100F14 N9MP1100J20 N9MP2075B12 N9MP2100F14 N9MP2100J20 N9MPD100J14 N9MPD100J20 *9MPD100J14 *9MPD100J20
<b>Parts List</b>	
<b>Description</b>	<b>Part No. Qty.</b>
Pressure Switch	1013165 1
Hose, Blower 10"	1009238 1
Hose, Transition 21"	1009238 1
Wire Asy.	1013814 1
Instructions	441 06 1033 02 1

**⚠ WARNING**

**FIRE, EXPLOSION, AND ASPHYXIATION HAZARD.**

**Improper adjustment, alteration, service, maintenance or installation could cause death, personal injury and/or property damage.**

**The installation of this conversion kit shall be installed by qualified persons. Installation MUST conform with local codes or, in the absence of local codes, with codes of all governmental authorities having jurisdiction.**

**The information contained in this manual is intended for use by a qualified service agency that is experienced in such work, is familiar with all precautions and safety procedures required in such work, and is equipped with the proper tools and test instruments.**

**⚠ WARNING**

**ELECTRICAL SHOCK, FIRE OR EXPLOSION HAZARD.**

**Failure to follow this warning could result in death, personal injury and/or property damage.**

**Turn OFF electric power (at disconnect) and gas supply (at manual valve in gas line) when installing orifices. Installation of orifices requires a qualified service technician.**

### Disassembly

1. After turning off gas and electrical power to furnace, remove burner compartment access door to furnace.
2. Remove two (2) blue wires from 1/4" terminals on pressure switch.
3. Remove 5/16" OD rubber hose from pressure tap on plastic transition box that connects to pressure switch.
4. Remove two (2) screws that fasten pressure switch to front of blower partition and remove switch from furnace.

## Pressure Switch Installation (See Figure 1)

1. Position pressure switch from kit on to blower partition and fasten with two (2) screws removed above.
  2. Connect blue wire assembly from kit to  $\frac{1}{4}$ " common terminal on pressure switch marked "blower" and to  $\frac{1}{4}$ " normally open terminal on pressure switch marked "transition".
  3. Connect two(2) blue wires that were removed above to remaining  $\frac{1}{4}$ " terminals on pressure switch. One (1) blue wire connects to  $\frac{1}{4}$ " normally open terminal on pressure switch marked "blower" and one blue wire connects to  $\frac{1}{4}$ " common terminal on pressure switch marked "transition".
  4. Connect 10" length of  $\frac{5}{16}$ " OD rubber hose from kit to pressure tap on pressure switch marked "blower" and to pressure tap on exhaust blower.
  5. Connect 21" length of  $\frac{5}{16}$ " OD rubber hose from kit to pressure tap on pressure switch marked "transition" and to pressure tap on plastic transition box.
- NOTE:** Make sure that pressure tap on plastic transition is correct one for installation position for furnace as outlined in Installation Instructions.
6. Install furnace access door.
  7. Turn on 115 VAC 60 Hz electric power supply to furnace.

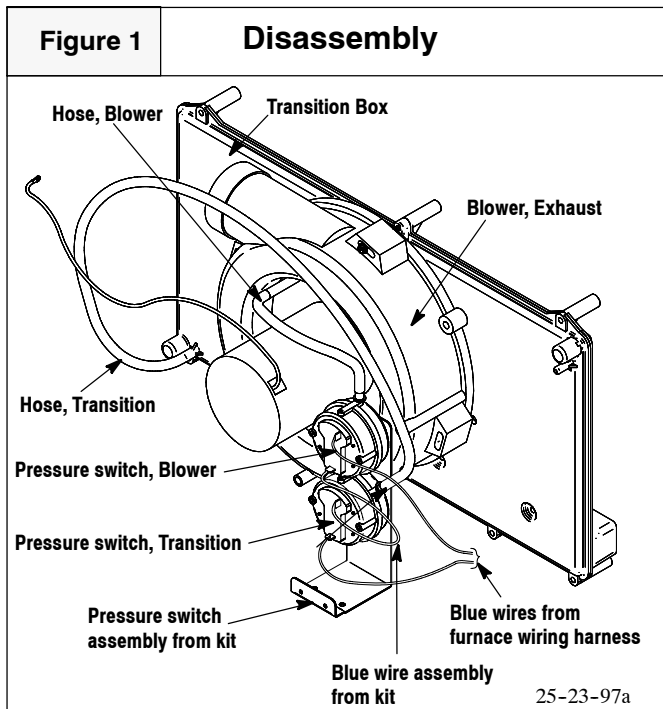
**⚠ WARNING**

**FIRE OR EXPLOSION HAZARD.**

Failure to follow this warning could result in death, personal injury and/or property damage.

If any sparks, odors or unusual noises occur, immediately shut OFF power to furnace. Check for wiring errors or obstruction to blower.

8. Turn on gas supply to furnace at manual gas valve.



## Venting Tables for Long Vent Pressure Switch Kits

Refer to "Vent and Combustion Air Piping" and "Concentric Termination" sections in Installation Manual included with furnace for venting guidelines with long vent kits. Refer to *Technical Support Manual* included with furnace for pressure switch settings and furnace operating pressures.

Table 1	Pipe Diameter Table N9MP1, N9MPD & *9MPD Models
<b>100,000 Btuh Furnace</b>	
70' & (5) 90° elbows with 3" PVC pipe Elbows are DWV long radius type.	

Table 2	Pipe Diameter Table N9MP2 Models
<b>75,000 Btuh Furnace</b>	
40' & (5) 90° elbows with 2" PVC pipe	
<b>100,000 Btuh Furnace</b>	
70' & (5) 90° elbows with 3" PVC pipe Elbows are DWV long radius type.	

Table 3	Concentric Termination Kit Venting Table N9MPD & *9MPD Models
<b>100,000 Btuh Furnace</b>	
NAHA001CV -- 65' & (4) 90° elbows with 3" PVC pipe Elbows are DWV long radius type.	

Table 4	Concentric Termination Kit Venting Table N9MP2 Models
<b>75,000 Btuh Furnace</b>	
NAHA002CV -- 35' & (4) 90° elbows with 2" PVC pipe	
<b>100,000 Btuh Furnace</b>	
NAHA001CV -- 65' & (4) 90° elbows with 3" PVC pipe Elbows are DWV long radius type.	