INSTALLATION INSTRUCTIONS

Exhaust Blower Replacement

This kit is designed to replace the exhaust blower on the N9MP1, N9MP2, N9MPD, *9MPD, *9UHX, *9MPT and *9MPV series gas furnace.

* Denotes Brand (T, H or C)

Please read these instructions completely before attempting installation.

SAFETY REQUIREMENTS

Installing and servicing heating equipment can be hazardous due to gas and electrical components. Only trained and qualified personnel should install, repair, or service heating equipment.

Untrained service personnel can perform basic maintenance functions such as cleaning and replacing air filters. All other operations must be performed by trained service personnel. When working on heating equipment, observe precautions in the literature, on tags, and on labels attached to or shipped with the furnace and other safety precautions that may apply.

Follow all safety codes. In the United States, follow all safety codes including the National Fuel Gas Code (NFGC) ANSI Z223.1-2006/NFPA 54-2006. In Canada, refer to the National Standard of Canada Natural Gas and Propane Installation Code (NSCNGPIC) CAN/CGA-B149.1 and .2-05.

Wear safety glasses and work gloves. Have fire extinguisher available during Start-up, Adjustment steps, and service calls.

Recognize safety information. This is the safety-alert symbol ⚠. When you see this symbol on the furnace and in instruction manuals be alert to the potential for personal injury.

Understand the signal words *DANGER, WARNING,* or *CAUTION.* These words are used with the safety-alert symbol. *DANGER* identifies the most serious hazards, those that **will** result in severe personal injury or death. *WARNING* signifies a hazard that **could** result in personal injury or death. *CAUTION* is used to identify unsafe practices that **may** result in minor personal injury or product and property damage. Note is used to highlight suggestions that will result in enhanced installation, reliability, or operation.

BLOWER PART NUMBER	USE WITH FURNACE MODEL NUMBER	
1172823	N9MP1040B08	N9MPD060F12
	N9MP1050B12	N9MPD075F12
	N9MP1060B12	N9MPD080J16
	N9MP1075B12	N9MPD100J14
	N9MP1080F16	N9MPD100J20
	N9MP1100F14	*9MPD050F12
	N9MP1100J20	*9MPD075F12
	N9MP2050B12	*9MPD080J16
	N9MP2075B12	*9MPD100J14
	N9MP2080F16	*9MPD100J20
	N9MP2100F14	*9UHX060F12
	N9MP2100J20	*9UHX080J12
	N9MPD040F08	*9UHX080J16
	N9MPD050F12	
1172824	*9UHX100L20	N9MP2125J20
	*9MPD125L20	N9MP1125J20
	N9MPD125L20	
1172825	*9MPV125L20	*9MPT125L20
1172826	*9MPV100J20	*9MPT100J16
	*9MPV075F12	*9MPT075F14
	*9MPV050F12	*9MPT050F12

^ Order from Service Parts

* Denotes Brand

Examine Kit to determine that the following parts are present with the replacement exhaust blower:

Parts List

DESCRIPTION	PART NUMBER	QUANTITY
Vent Drain Fitting	**1014003**	**1**
Mounting Screw	**1014000**	**4**
Exhaust Blower Gasket	**1014425**	**1**
Adapter Harness	**330720 or 330721**	**1**
Instructions	**441 06 1061 01**	**1**

If any parts are missing, immediately contact your parts supplier.

⚠ WARNING

FIRE, EXPLOSION, ELECTRIC SHOCK, AND CARBON MONOXIDE HAZARD.

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

AVERTISSMENT

Cette trousse de conversion doit être installée par un service d'entretien, selon les instructions du fabricqualifiéant et selon toutes les exigences et tous les codes pertinents de l'autorité compétente. Assurezvous de bien suivre les instructions dans cette notice pour réduire au minimum le risque d'incendie, d'explosion ou la production de monoxyde de carbone pouvant causer des dommages matériels, des blessures ou la mort. Le service d'entreien qualifié estresponsable de l'installation de cette trousse. L'installation n'est pas adéquate ni compléte tant que le bon fonctionnement de l'appareil convertin'a pas été vérifié selon les instructions du fabricant fournies avec la trousse.

⚠ WARNING

ELECTRIC SHOCK, FIRE, AND EXPLOSION HAZARD.

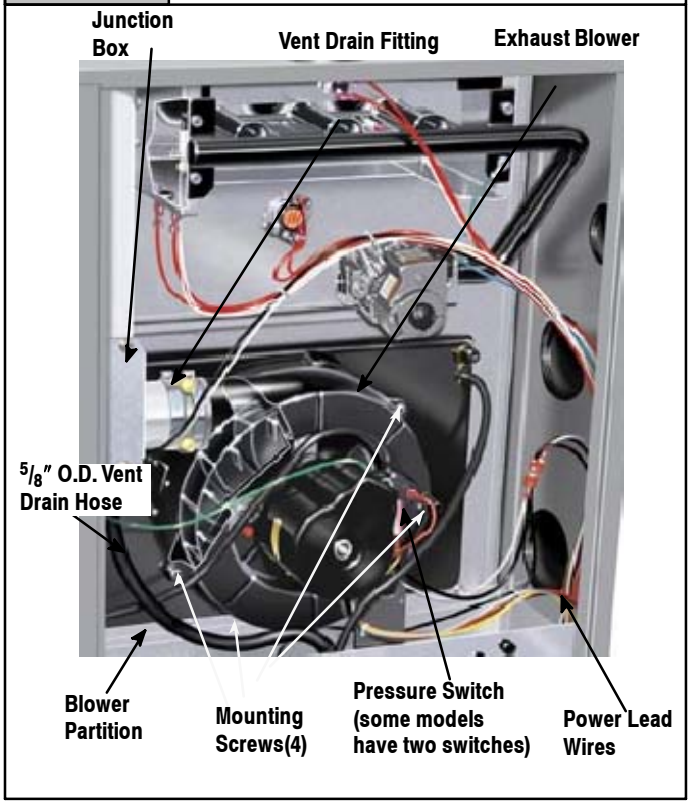
Failure to follow this warning could result in property damage, equipment damage, personal injury and/or death.

Turn OFF gas supply at manual gas valve before turning OFF electric power supply and starting conversion.

Turn OFF electric power supply at disconnect switch or service panel before starting conversion.

Disassembly (See Figure 1)

Figure 1 Exhaust Blower



1. After turning off the electrical power supply to the furnace, remove the two access doors to the furnace, exposing the vestibule and blower compartment.
2. Disconnect the 115 VAC power lead wires on the exhaust blower motor from the furnace wiring harness.

   NOTE: Black and white lead wires are used on the single stage models. Black, white and red lead wires are used on the two stage models.
3. Disconnect the green ground wire on the exhaust blower from the junction box by removing the screw that secures the wire and junction box to the furnace casing.
4. Remove the two (2) screws that secure the pressure switch bracket to the blower partition.
5. On furnace models with two (2) pressure switches, remove the $^{5}/_{16}$″ OD rubber hose from the pressure tap on the exhaust blower.
6. Remove the vent drain hose from the drain stub on the vent drain fitting by loosening the clamp on the $^{5}/_{8}$″ hose.
7. Disconnect and remove the vent drain fitting and the 90° elbow (if used) from the exhaust blower and the vent pipe by loosening the hose clamps.
8. Remove the four (4) screws that secure the exhaust blower to the plastic transition box. The exhaust blower can now be removed from the furnace. Use caution to not over tighten the screws to prevent stripping out of the plastic mounting holes. Dispose of the exhaust blower as directed by your parts supplier.

   NOTE: Some combustion blowers have plastic spacers on the mounting legs of the blower located at the 6 and 12 o'clock positions (blower snout to the left or right) that are required for proper fit up of the blower to the transition.

   NOTE: Some models may have a restrictor plate in inlet of exhaust blower. Remove this restrictor plate and install in the new exhaust blower assembly. **Failure to reinstall restrictor plate may impede furnace operation.**
9. Remove the exhaust blower gasket from the plastic transition box.

Installation

1. Reinstall restrictor plate, if used, from previous exhaust blower and press in the new exhaust blower assembly. **Failure to reinstall restrictor plate may impede furnace operation.**
2. Install the $2^{3}/_{4}$″ OD exhaust blower gasket provided in the kit to the plastic transition box. The gasket mounts to the recessed opening in the plastic transition box. Note that all furnace sizes now use the $2^{3}/_{4}$″ OD gasket.
3. Mount the replacement exhaust blower to the plastic transition box with the four (4) $3^{1}/_{2}$″ screws provided in the kit. Use caution in tightening the mounting screws in the plastic transition box to prevent stripping out the plastic mounting bosses.
4. Install the vent fitting supplied in the kit and the 90° elbow (if used) to the exhaust blower and the vent pipe. Position the vent drain fitting with the airflow direction pointed toward the vent pipe. On horizontally mounted vent drain fittings, position the drain stub on the fitting down slightly. Securely tighten the hose clamps to the exhaust blower, the 90° elbow (if used) and the vent pipe.
5. Reconnect the $^{5}/_{8}$″ OD drain hose to the drain stub on the vent drain fitting. Secure with the hose clamp. Plug the unused drain stub with the plastic cap provided with the fitting.
6. Position the pressure switch assembly back in position to the blower partition and secure with two (2) screws previously removed.
7. On furnace models with two (2) pressure switches, reconnect the $^{5}/_{16}$″ OD rubber hose from the pressure switch to the pressure tap on the exhaust blower.
8. Connect the green ground wire on the exhaust blower to the junction box with the screw that secures the wire and the junction box to the furnace casing.
9. If the exhaust blower wires on the furnace wiring harness terminate with an inline connector, move to step **a**. If the exhaust blower wires on the furnace wiring harness terminate with two or three $^{1}/_{4}$″ terminals, move to step **b**.

   a. connect the two halves of the inline connector.

   b. connect the $^{1}/_{4}$″ terminals of the adapter harness to the furnace wiring harness. Then connect the two halves of the inline connector.

   On the single stage models, assure the 115 VAC black and white lead wires are connected to the same colored wires in the furnace wiring harness. On the two stage models, assure the 115 VAC black, white and red wires are connected to the same colored wires in the furnace wiring harness.
10. Install the two (2) furnace access doors.

Start-Up

Turn ON the 115 VAC 60Hz electric power supply to the furnace.

⚠ WARNING

FIRE OR EXPLOSION HAZARD.

Failure to follow this warning could result in personal injury, death 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.

Turn ON the gas supply to the furnace at the manual gas valve.

Operate the furnace through a couple of heating cycles to verify that the furnace is functioning properly.