INSTALLATION INSTRUCTIONS
1 SPEED & 2 SPEED SERVICE COMBUSTION BLOWER
KITS #06428D455, 456 & 457

These instructions must be read and understood completely before attempting installation.

This kit consists of the following items:

1 - Combustion Blower (1-speed or 2-speed)

1 - Pressure Switch (0.55 in. w.c. setpoint or 0.60 in. w.c. setpoint)

1 - "Notice" Label (for future pressure switch replacements, where applicable)

Check to ensure all components are included, and that no damage occurred during shipment.

If some components are damaged, contact last freight carrier to make a claim.

CAUTION
Only qualified technicians may install this service item.

⚠ WARNING
ELECTRICAL SHOCK HAZARD!
Failure to disconnect power to the unit may result in electrical shock. More than one disconnect may be required to turn off all power.

FAILURE TO DO SO COULD RESULT IN BODILY INJURY OR DEATH.

⚠ CAUTION
SHARP OBJECT HAZARD!
Sheet metal and condenser coils have sharp edges. Wear adequate body protection on body extremities (e.g. gloves) and use caution.

FAILURE TO DO SO COULD RESULT IN BODILY INJURY.

These kits are designed for service replacement of the combustion blower used in mid-efficiency furnaces manufactured before early 2007, with an improved version that minimizes the possibility of the pressure tap becoming blocked. For some furnace models it will also be necessary to replace the pressure switch originally installed in the furnace with the one supplied in this kit.

Refer to Table 1 for kit usages and specific input sizes that require pressure switch replacement. NOTE: An earlier generation of mid-efficiency furnaces used a different model numbering system; model numbers began with GUJ, GHJ, GCJ, etc... For these models the "usage" descriptions in Table 1 (1-stage open burner box, 2-stage closed burner box, etc..) should be used to determine which kit is appropriate for the furnace being serviced, and the input rating shown on the furnace rating plate is used to determine whether the pressure switch should be replaced by the one in this kit.

Procedure:

1. Make sure you have the correct kit for the furnace model being serviced.
2. Disconnect electrical power, and turn off the gas supply.
3. Disconnect the combustion blower electrical leads, remove the tubing from the pressure tap, and disconnect the vent pipe.
4. Remove the combustion blower mounting screws, and remove the old blower.
5. Remove the "square-to-round" transition piece from the outlet of the old blower, and install it on the replacement blower from this kit.
6. Install the replacement blower using the screws removed in Step 4, being careful that the gasket stays in place and does not block the inlet to the blower.
7. Connect the electrical leads and vent pipe, and connect the tubing to the pressure tap. Ensure the tubing is not kinked, does not contact hot parts or sharp edges, and does not form a condensate trap (it may be necessary to trim a few inches from the tubing to prevent this).
8. Determine furnace input rating from the furnace rating plate. Refer to Table 1 to determine whether replacement of the pressure switch is required. If replacement is not required, proceed to Step 14.
9. If pressure switch replacement is indicated and if the furnace is a 2-stage furnace, only the high fire pressure switch will need to be replaced. The high fire pressure switch has the higher setpoint of the two pressure switches installed in the furnace.
10. If pressure switch replacement is indicated, disconnect the wires and the tubing from the pressure switch, and remove the screws securing the pressure switch.

11. Install the replacement pressure switch from this kit. On older model furnaces both of the mounting holes on the new pressure switch may not line up with the mounting holes for the removed switch. It may be necessary to drill a new mounting hole in the vest panel, being careful to not damage wiring, or other components in the vestibule or behind the vest panel (e.g. a heat exchanger tube).

12. Reconnect the wires and tubing to the new pressure switch. Be careful to connect the tubing to the correct ports on the pressure switch; tubing from the inducer should always be connected to the negative port of the pressure switch. On open burner box models there will be no tubing connected to the positive port.

13. If the pressure switch was replaced, apply the "Notice" label from this kit adjacent to the installed replacement pressure switch.

14. Restore electrical power, turn on the gas supply, and initiate a call for heat. Ensure that the inducer starts and operates, that the pressure switch(es) close when the inducer comes up to speed, and that the burners ignite, operate, and extinguish properly.

Kit 06428D455 (for all 1-stage open burner box models that preceded the "dash 3" suffix of the G1N80 "B" Series):

(Input sizes that require pressure switch replacement are noted below:)

Input Rating	Pressure Switch
50,000	Do Not Replace
75,000	Install 0.60 setting switch from kit
100,000	Install 0.60 setting switch from kit
125,000	Install 0.60 setting switch from kit
150,000	Install 0.60 setting switch from kit

Kit 06428D456 (for all 1-stage closed burner box models that preceded the "dash 3" suffix of the G1D80 "B" Series):

(Input sizes that require pressure switch replacement are noted below:)

Input Rating	Pressure Switch
50,000	Do Not Replace
75,000	Do Not Replace
100,000	Install 0.55 setting switch from kit
125,000	Install 0.55 setting switch from kit
150,000	Install 0.55 setting switch from kit

Kit 06428D457(for all 2-stage closed burner box models that preceded the "dash 3" suffix of the G2D80 "C" Series):

(Input sizes that require pressure switch replacement are noted below:)

Input Rating	Pressure Switch
50,000	Do Not Replace
75,000	Do Not Replace
100,000	Install 0.55 setting switch from kit
125,000	Install 0.55 setting switch from kit
150,000	Install 0.55 setting switch from kit

Model Numbering Examples: G1N80BT050D12A-1 G2D80CT075V14B-2 CG80UB100D14B-1

G	G for "gas" (may be preceded by "C" for Concord Models; *all Concord models are 1-stage open burner box*)
1	**1 for 1-stage, or 2 for 2-stage**
N	**N for non-direct vent (open burner box), or D for direct vent capable (closed burner box)**
80	Nominal AFUE rating
B	**Series letter; starts at A and increments upward to denote significant changes during life of product.**
T	Installation capability, T=upflow or horizontal, U=upflow, etc.
050	**Input rating; 050=50,000 BTUH, 075=75,000 BTUH, etc.**
D	D for direct drive PSC, or V for variable speed
A	Cabinet width; A=14.5 inches, B=17.5 inches, etc.
-1	**"Dash number" suffix; starts at -1 for each Series; denotes running changes; increments upward until release of next Series**

Table 1