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## 84322-1 EBM BLOWER REPLACEMENT KIT

Model Numbers: Lx500

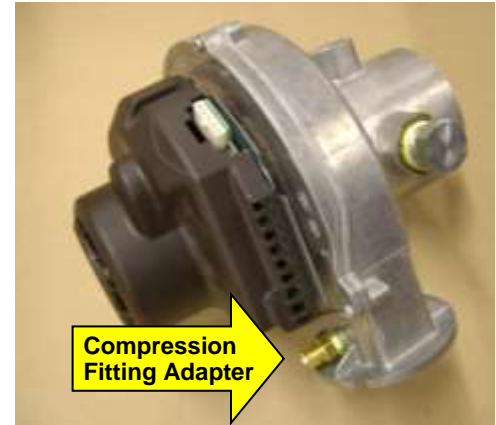
### Installer Responsibilities

As the installing technician, it is your responsibility to ensure the installation is performed in accordance with the NTI replacement instructions included with the blower kit. An aluminum tube known as the “fuel-air metallic tubing” connects the high vent pressure switch to the blower (shown below).

#### Kit Contents (P/N 84322-1)

- 84322 - EBM Blower NRG137, 250W (modified)
- 2 - 3/4” Plugs Installed in Blower Housing
- Replacement Instructions

Refer to the replacement procedure below regarding how to disconnect the fuel-air metallic tubing from the compression fitting adapter on the blower (shown adjacent).



EBM Blower NRG137 (Lx500)



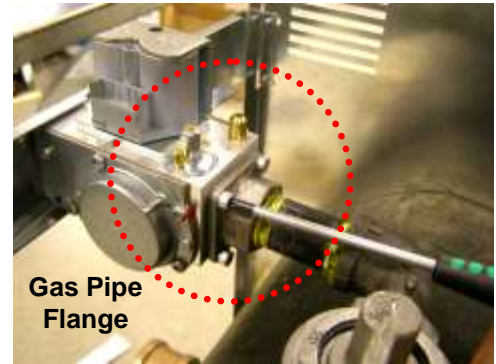
**Explosion Hazard (Lx500)** - The aluminum tubing connecting the blower and high-vent pressure switch contains a mixture of fuel and air. Refer to the Replacement Procedure below for detailed instruction regarding disconnecting and reconnecting the fuel-air metallic tubing assembly. Failure to follow these instructions may result in serious injury or death.

### Replacement Procedure

1. **Post Purge** - Initiate a post-purge cycle to clear any gas from blower and the combustion chamber.
2. **Power Down** - To turn off power: a) shut off electrical power to the appliance, b) locate the Manual Gas Shutoff Valve outside the unit, c) turn the valve off. Refer to "Lighting/Shutting Down the Appliance" section on the next page.
3. **Disconnect Fuel-Air Metallic Tube** - Loosen the compression fitting nut at the high-vent pressure switch using a 1/2" wrench. Support the compression fitting adapter on the blower with a 1/2" wrench to keep it from turning. Loosen the compression fitting nut on the blower adapter with a 9/16" wrench (shown). Remove fuel-air metallic tubing assembly.
4. **Air and Gas Piping** - Detach the air inlet piping (pvc) and gas piping (black iron) before removing the blower. **Hint:** It may be easier to detach the gas pipe flange from the gas valve with a torx bit and remove the entire gas piping assembly and blower while the two are still attached (shown on next page).
5. **Replace Blower** - Unplug the two blower wires, remove blower screws, and blower. Examine blower gasket for defects before installing new blower. Attach new blower, secure in place with blower screws, plug blower wires back in. Re-attach air inlet piping and gas piping.



6. **Reconnect Fuel-Air Metallic Tube** - Reconnect the aluminum tubing between the blower and the high-vent pressure switch using the same procedure used to disconnect the tube. Support the brass compression fitting adapter at the blower to ensure it remains stationary and does not rotate during reconnection (shown on previous page).
7. **Power Up** - To turn on power: a) turn on electrical power to the appliance, and b) turn the Manual Gas Shutoff Valve outside the unit to the on position. Refer to section "Lighting/Shutting Down the Appliance".
8. **Leak Check** - Fire up the boiler and check for gas leaks around the blower, blower compression fitting adapter, fuel-air tube connections, and gas piping on the boiler while it is operating.



## Lighting / Shutting Down the Appliance



**Read Before Proceeding** - If you do not follow these instructions exactly, a fire or explosion may result causing property damage, serious injury or death.

### FOR YOUR SAFETY, READ BEFORE OPERATING

- A) This appliance does not have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
- B) BEFORE OPERATING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.  
WHAT TO DO IF YOU SMELL GAS:
  - Do not try to light any appliance.
  - Do not touch any electric switch.
  - Do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- C) Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D) Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

### OPERATING INSTRUCTIONS

1. STOP! Read the safety information above very carefully.
2. Set the thermostat to lowest setting. Turn off all electric power to the appliance.
3. This appliance does not have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
4. Turn the manual gas valve to the OFF position. Remove front access panel.
5. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above. If you don't smell gas, go to the next step.
6. Turn the manual gas valve ON. Wait an additional five (5) minutes smelling for gas.
7. Replace the front access panel.
8. Set thermostat to highest setting. Turn on all electric power to the appliance.
9. Ignition sequence is automatic. Combustion will occur after a brief fan purge.
10. If ignition does not occur, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.

### TO TURN OFF GAS TO THE APPLIANCE

1. STOP! Read the safety information above very carefully.
2. Turn off all electric power to the appliance.
3. Turn the manual gas valve to the OFF position.