England's Stove Works, Inc.

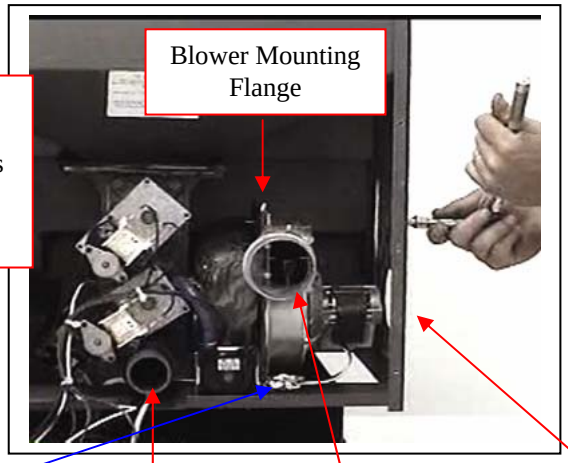
Pellet, Corn Gas and Wood Stoves
P.O. Box 206 Monroe, VA 24574 www.englanderstoves.com Phone: (800) 516-3636 Fax: (434) 929-4810

REPLACING THE EXHAUST (COMBUSTION) BLOWER

WARNING: STOVE MUST BE OUT (NO FIRE), COOLED DOWN, AND UNPLUGGED BEFORE PROCEEDING.
WARNING: ELECTRICAL SHOCK CAN OCCUR IF UNIT IS NOT UNPLUGGED.

1. First, disconnect your exhaust vent pipe from the exhaust blower. You will also likely want to disconnect your outside air pipe from the stove's outside air intake to allow better access to the stove — removing the outside air intake pipe may not be necessary, but could be helpful.

2. Next, remove the rear and side access panels from your unit; this may be done using a 5/16" socket or wrench.



3. After removing the access panels, disconnect the power leads to the exhaust blower; then, looking in through the side access area, you will notice that there are five screws (size 5/16") around the housing of the blower assembly: two on top, two on bottom, and one just below where the flue pipe hooks to the blower. To remove the blower, remove these five screws and ease the old blower out of the stove. Make a note of the way the wires are routed from the blower to the circuit board (the "path" along which they go).

4. Once you have the old blower out, be sure the wire insulation is situated properly, position the new blower against the mounting flange, and thread all five screws into the corresponding holes (without tightening the screws). After starting all five screws, you may tighten them down.

Thread all 5 screws in, then tighten

5. Be sure the wires for the exhaust blower are routed properly. Be sure to place the wire insulation back under the blower mounting flange. If you have removed the wires from the control board, be sure to plug the wires back into the board in the same terminals they were in originally (Terminals 7 and 8; it does not matter which wire goes to which terminal). Tie all of the wires in the back of the unit together if they were cut free of the ties that were originally in the stove.

Important: Tie the wires up in such a way as to prevent them from touching any electric motors or moving parts inside the stove!

6. Reinstall your flue pipe briefly before testing the unit — this will keep the blower from blowing any ash out into the room. Turn the stove "on" and let it run cold (with no pellets) for approximately 5 minutes to ensure that the new blower works. ***Do not reach into the back of the stove after plugging it in!*** After ensuring proper function, shut the stove down and unplug it from power, reinstall the back and side access panels, and reattach the stove to your flue system and outside air source. ***Remember to follow all codes.***