

# England's Stove Works, Inc.

Pellet, Corn, Gas and Wood Stoves

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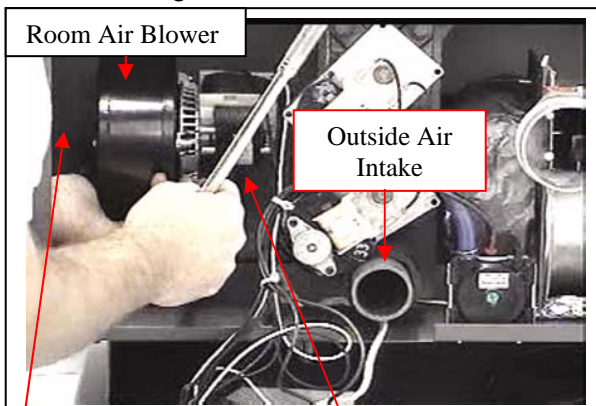
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## REPLACING THE ROOM AIR (CONVECTION) BLOWER

**WARNING: STOVE MUST BE OUT (NO FIRE), COOLED DOWN, AND UNPLUGGED BEFORE PROCEEDING.**

**WARNING: ELECTRICAL SHOCK CAN OCCUR IF UNIT IS NOT UNPLUGGED.**

1. To replace the Room Air (or Convection) Blower, first ensure that you will have ample room to get behind the stove. You may need to disconnect the outside air intake on the stove from your outside air pipe to allow better access to the unit.
2. Remove the rear access panel and set it aside. This will require a 5/16" socket or wrench.
3. Looking into the back of the stove, the room air blower will be located on the left side, and in most cases it will be black in color. If your model has wire leads, you may disconnect them to remove the blower. If your model does not have wire leads, trace the wires from the blower back to Terminals 1 and 2 on your circuit board (looking at the back of the board, these would be the 1<sup>st</sup> and 2<sup>nd</sup> terminals on the top left of the board). Unplug these wires by carefully pulling the wires and wiggling them up and down. You may find that removing the screws that hold the circuit board to the stove, and moving the board out of the way will make your task easier. At this point you will see four screws (size 5/16") that hold the room air blower in place. Remove these screws, taking care to support the blower while removing the last screw.



4. To install the new room air blower, hold the blower against the stove's firewall and start one of the four 5/16" screws back into its hole. After starting the first screw, leave it loose and repeat until you have all 4 screws started, then go back and tighten them down completely. Reinstall the circuit board if you removed it. Plug the wire leads back – it doesn't matter which lead goes to which wire. (If your unit doesn't have wire leads, plug the two wires from the room air blower to Terminals 1 and 2 on your circuit board. The black wire connects to Terminal #2 (marked "Room Air"), and the white wire to Terminal #1 (immediately beside it, marked "Com"). If you have two black wires on the new blower, it does not matter which wire goes to which terminal).

Moving the circuit board will help you support the blower.

An extension for your socket or wrench may be required to reach the four screws.

5. 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. After installation is complete, it is recommended that you turn the stove "on" and let it run cold (with no pellets) long enough to ensure proper function of the components before starting a fire in the stove. Remember, however, that the room air blower will not come on at startup (and therefore will not operate during this test run); it will only run after the stove has reached operating temperature.

**Do not reach into the back of the stove after plugging it in!**

7. After confirming proper function, shut the stove down and unplug it from power, and replace the back panel.

**ALWAYS FOLLOW ALL CODES. BE SURE ALL PIPE IS PROPERLY RECONNECTED.**

**Technical Support:** (800) 245-6489

**Web Site:** [www.englishstoves.com](http://www.englishstoves.com)