

## Technical Data Sheet

### Sterling "G" B-Vent 8521, & Direct Vent 8531 Blower Installation *Kit #95-57010*

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#### **KIT COMPONENTS:**

- (1) Blower Housing with Fans, Sensor, & Rheostat (Speed Control)
- (1) Control Knob
- (1) Pal Nut
- (1) Fan Bracket
- (3) 8-32 Phillips Screw
- (1) Instructions


#### **TOOLS REQUIRED:**

- Phillips Screwdriver
- Stubby Phillips Screwdriver
- Pliers

**BEFORE YOU BEGIN:** Identify all pieces listed above. Inspect all wires. Do not use wires that are damaged or have broken insulation. Do not remove the plug's grounding prong. Keep the blower unplugged until installation is complete. Plug into a three prong grounded receptacle only.

#### **PROCEDURE:**

- 1) Locate and remove the valve extension knobs (hi/lo & on/off/pilot) that protrude through the front facade below the front of the stove.
- 2) Using a stubby Phillips screwdriver, remove the two screws that hold the front facade to the stove. Remove the facade.
- 3) Position the blower bracket so that the holes in the bracket align with the holes in the bottom casting, positioned as shown in illustration A. Use two of the screws provided to attach the bracket to the bottom casting. To allow for some flexibility, do not fully tighten the screws yet.




 **NOTE:** Before installing the blower, loosen the screws that hold the switch box (see illustration A) to the blower so that it can be adjusted with the blower in position.

- 4) The blower is installed from the back, underneath the stove. Position the blower so that the cord with the speed control is pushed toward the front of the stove. Locate the hanging brackets on the top rear of the blower housing. Slide the blower under the stove at an angle, the top of the housing leaning forward. Once the blower is under the stove, bring the top back into a vertically straight position. Lift the blower

so that the brackets clip onto the bottom casting. With the blower in this position, use the third screw to secure the blower bracket to the blower housing (see illustration A). Finish tightening the two screws that hold the bracket to the bottom of the stove.

- 5) Push the switch box up until it comes in contact with the bottom casting.  
**Important:** *The snap switch on the top of the switch box must firmly contact the bottom of the stove in order for the blowers to operate. With the switch box in this position, tighten the screws to secure it in place.*
- 6) Install the rheostat (speed control) into the two pre-drilled holes in the facade, push the control stem through the larger hole and the holding tab will fit into the smaller hole. Place the pal nut over the control stem from the front of the facade and tighten it with the pliers. Place the control knob onto the control stem. Reposition the facade back onto the stove and secure it by returning the screws to their original positions.

## **BLOWER OPERATION:**

-  It will take several minutes for the body of the stove to heat up sufficiently to activate the sensor (about 120 degrees Fahrenheit) and activate the fans.
  - If your blower doesn't come on for an extended period of time or short cycles on and off continually, check to ensure the snap switch is firmly in contact with the bottom of the fire box.
-  The rheostat controls the blower fan speed.
  - Turn the control knob clockwise until it clicks, to turn the fans on. The fans are at their highest setting when first turned on.
  - Continue to turn the knob clockwise to reduced fan speed until it reaches its lowest setting.
  - If the fans do not operate at the lowest setting, the rheostat requires adjustment – contact your dealer.
-  To turn the blower off, turn the knob fully counterclockwise until it clicks into the off position.

**Note:** *All blowers are tested for proper operation at the factory prior to packaging and shipment.*

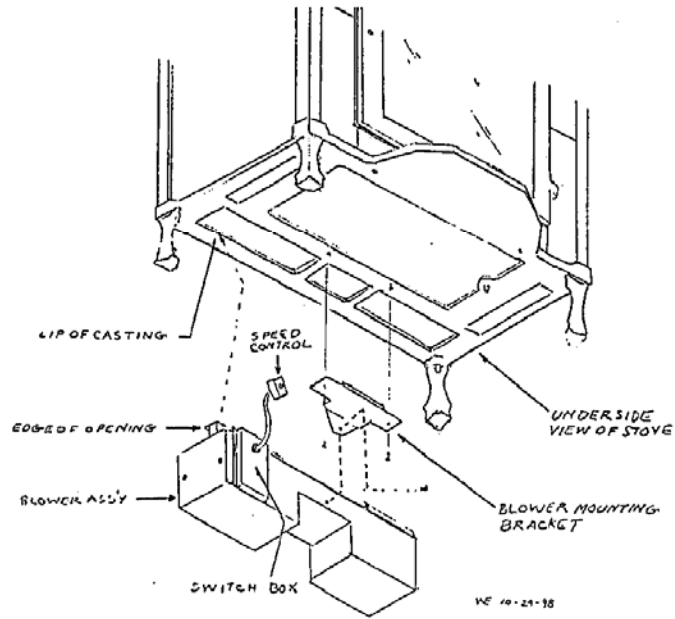


Illustration A: Blower Attachment

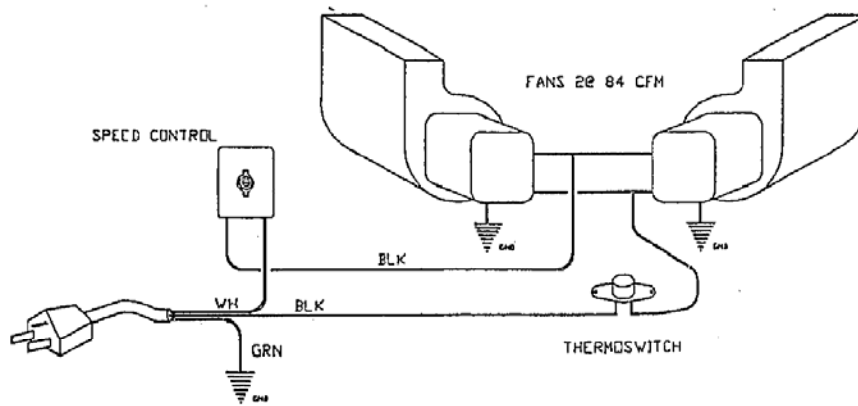


Illustration B: Wiring Diagram