


Models:
GFK160
Fan Kits


The GFK160 optional fan kit has been tested and listed for use in specific Heatilator appliances. The fan motors do not require lubrication however, the blades should be vacuumed and cleaned (as needed) to maintain optimal performance. If you wish clarification of any of the instructions contained here, contact your distributor/dealer or the Heatilator Technical Services Department, Hearth & Home Technologies, Inc., 1915 W. Saunders St., Mt. Pleasant, Iowa 52641, phone 1-800-927-6841.

Note: An arrow (➡) found in the text signifies change in content.

Note: The junction box must be installed at the same time as the appliance to avoid reconstruction.




CAUTION



Sharp Edges

- Wear protective gloves and safety glasses during installation.



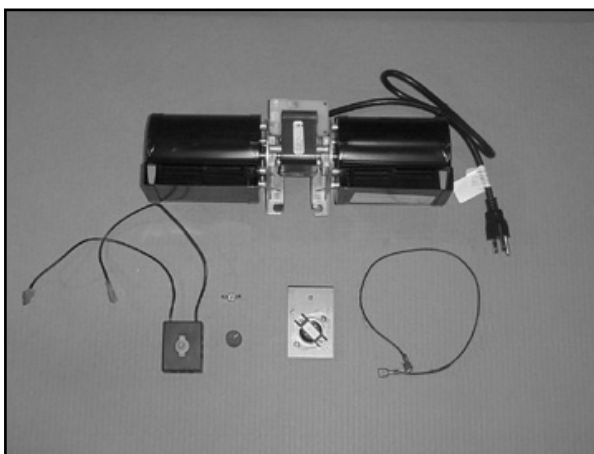
WARNING

Shock Risk

- Use a properly grounded three-prong receptacle.
- Do NOT cut or remove grounding prong.

Description	Qty
GFK160 Fan	1
Temperature Sensor Switch	1
Speed Control	1
Control Knob	1
Wing Nut	1
Electric Jumper Wire	1
Foam Strips	2

- Open the control access panel by pulling it up and out. See Figure 1.



GFK160 Parts Identification



Figure 1 Open Panel

- Attach the foam strips as shown in Figure 2.



Figure 2 Attaching Foam Strips

- Insert the fan into the appliance with the air slots facing up. Insert the end first to the right side of the valve assembly. Be sure to avoid pulling any of the wires out of place. See Figure 3.

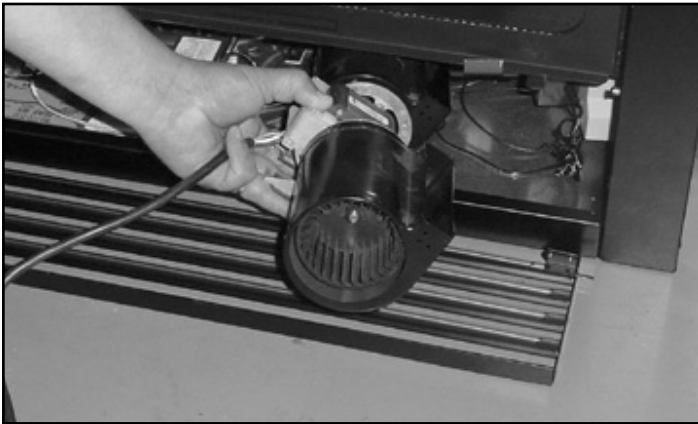


Figure 3 Insert the Fan into the Appliance (avoiding wires)

- Rotate the fan so the back (with the foam strips) is flush and centered against the back of the appliance's outer shell. See Figure 4.
For installation in the GDST5244I See-Through, position the fan against the outer shell of the firebox beside the electrical junction box.

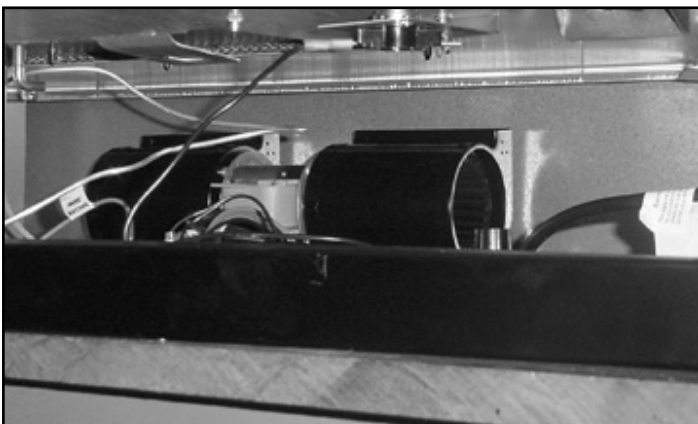


Figure 4 Positioning Fan

- Attach the temperature sensor switch to the threaded stud (located in the right front of the appliance) with the wing nut provided. See Figure 5.
For installation in the GDST5244I See-Through, attach the temperature sensor to the threaded stud located on the firebox bottom on the side of the firebox where the electrical junction box is located.

Note: The thermodisc should not be in contact with the metal firebox bottom, but should be suspended 1/8 in. (3 mm) below the metal panel.

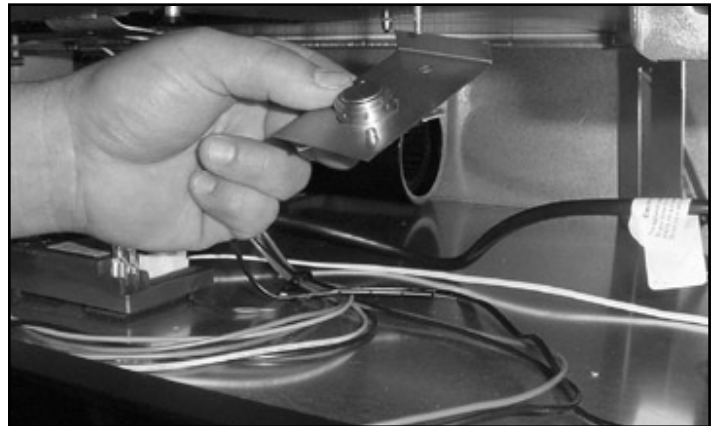


Figure 5 Installing Temperature Sensor Switch

- Slide the control knob on the post of the speed control, then set the speed control on the bottom pan of the appliance. Attach one wire from the blower control to one side of the temperature sensor switch. See Figure 6. Plug the other wire from the variable speed switch into the junction box as shown in Figure 7.

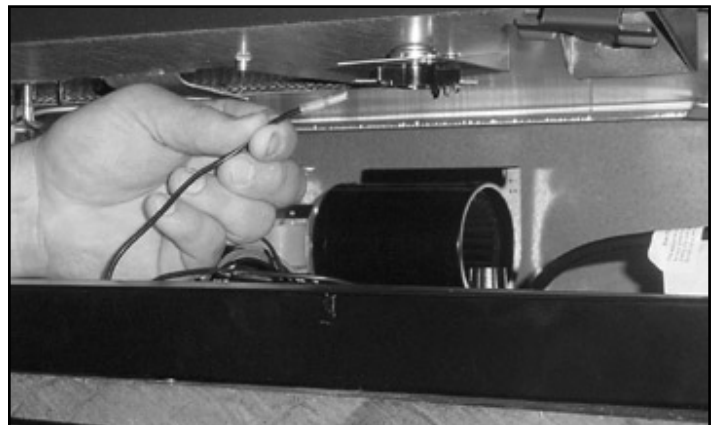


Figure 6 Attaching Wire from Blower Control to Temperature Sensor Switch

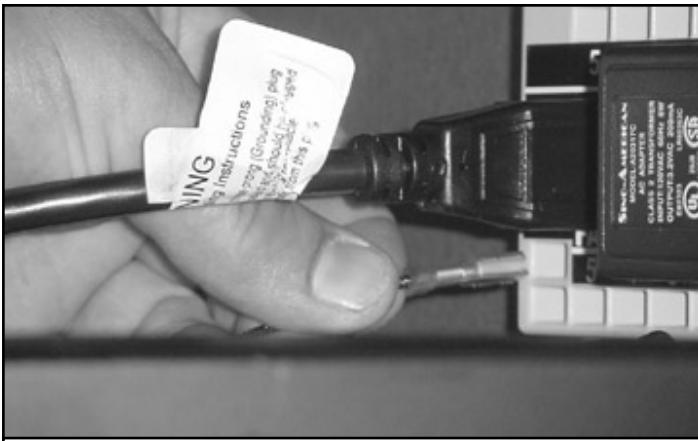


Figure 7 Wire from Blower Control to Junction Box

- Attach the jumper wire to the other end of the temperature sensor switch. See Figure 8. Plug the other end into the junction box as shown in Figure 9.

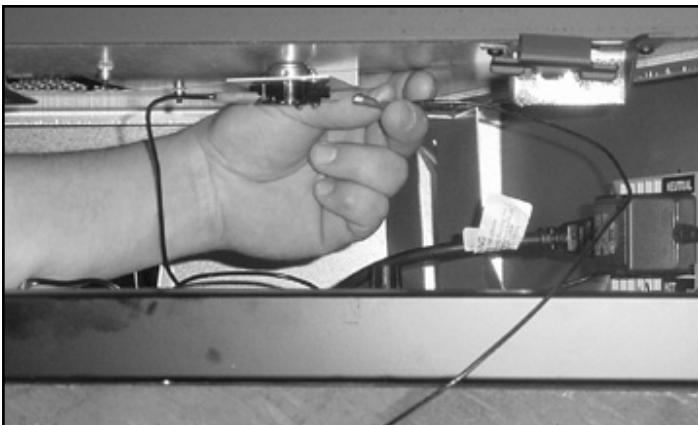


Figure 8 Attaching other Jumper Wire to Temperature Sensor Switch



Figure 9 Jumper Wire from the Temperature Sensor Switch into Junction Box

- Make sure the fan and wires are plugged into the junction box correctly as shown in Figure 10.

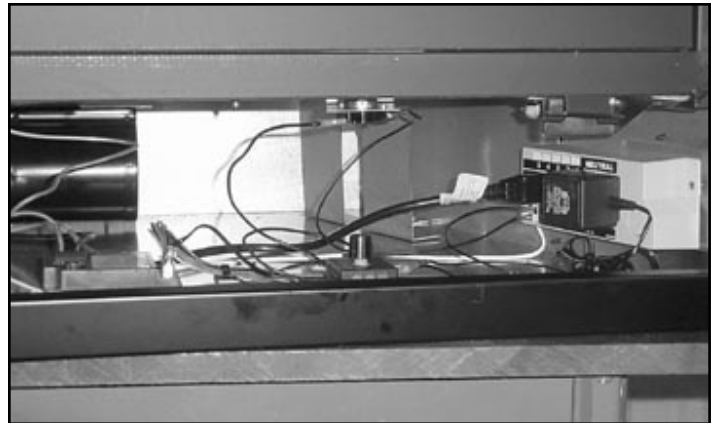


Figure 10 Final View - Installation Complete

Recommended Operating Procedures

- Ignite the fire in the appliance with the variable speed control switch in the "ON" position. The fan will turn on automatically when the temperature sensor switch closes at approximately 110° F. Heated air should be delivered at the outlet grille. The fan will continue to operate after the appliance is turned off. The fan will shut off when the sensor switch opens.
- Various conditions (such as appliance model, type of appliance installation and outside air temperature vs. inside air temperature) can contribute to the length of time the blower remains on after the appliance is turned off. The blower can be turned off manually with the speed control switch.

Maintenance

- Check the appliance grilles periodically and remove any dust, dirt or obstructions.

Replacement Parts and Customer Service

- Replacement parts and service may be obtained through your dealer.

POWER STRIP STYLE JUNCTION BOX

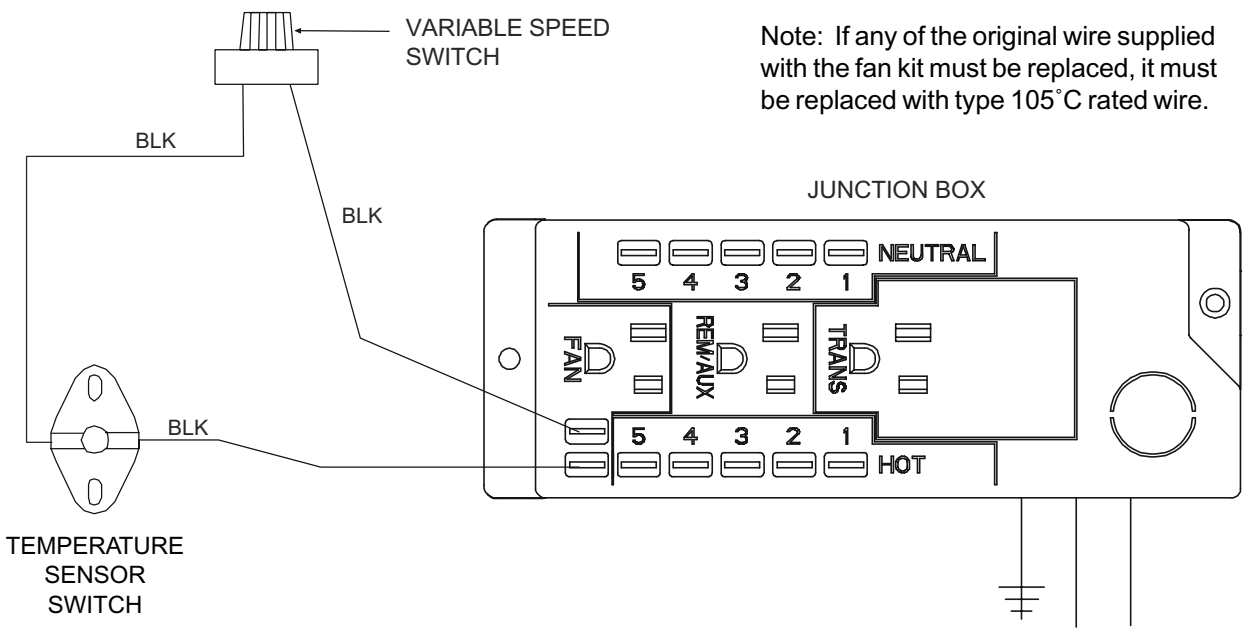


Figure 11 Wiring Diagram