



## Instructions for FBK-250 Blower Kit with Cord Set



# WARNING

**RISK OF FIRE AND ELECTRICAL SHOCK!**

**TURN OFF THE GAS AND ELECTRICAL POWER BEFORE INSTALLING BLOWER!**

When installed, make sure to contain any excess wire of the cord set; Preventing it from making contact with moving or hot objects.

Drywall dust or other fragments may be present in your fireplace's vent space, clean this area before you install the blower kit. Any bearing or motor damage resulting from this condition is not covered by the warranty policy.

This Blower Kit is tested and safe when installed in accordance with these installation instructions. It is your responsibility to read all instructions and consult the Owner's Installation Manual for your particular model number for Supplemental Information before starting installation. This Blower Kit may be used with gas fireplaces.

### Blower Kit Parts

Check the contents of the carton.  
Make sure nothing was damaged in shipment.  
Do NOT install a damaged blower kit!

Description	Qty.
Fan	1
Thermodisc / Heat Sensor	1
Variable Speed Control	1
Cord Set	1
Wire Nut	2
Mounting Bracket for Fan	1
Dampening Pad, Velcro Strip	2
Crimp Butt Connector for Wire	1
Face Plate for Wall	1
Installation Instructions (Downloadable)	1

**Step 1:** Turn Off Fireplace and allow it to cool down. Disconnect from 120V Power. Shut off the Gas supply. Remove the louver which covers the lower vent space below the firebox.

Lay cord set out in a straight line, with the 3-Prong Power Plug furthest away from the fireplace.

**Step 2:** Push the Green Ground Wire disconnect onto the ground tab on the end of fan. (Figure: 1)

Connect white and black wires of the cord set to either of the two spade terminals attached to the motor. Push disconnects onto metal tabs. (Figure: 1)

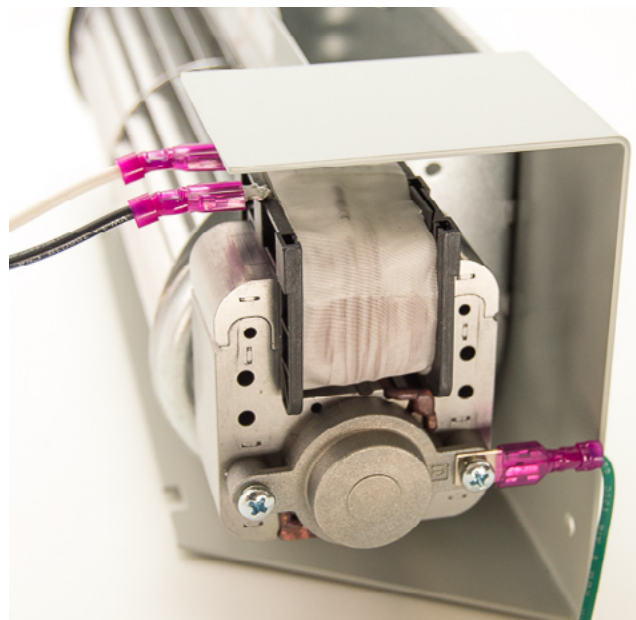


Figure: 1



Figure 2 shows Air Circulation around the firebox.

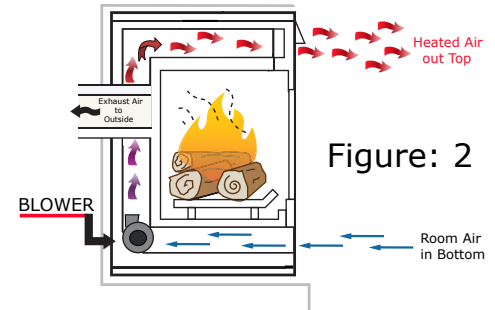


Figure: 2

- To install Variable Speed Control under firebox, continue with Step 3.
- To install Variable Speed Control into wall and replace an existing switch (which is dedicated to turn Junction Box -120v Power Supply- On/Off), go to Page 4 "Wall Mounted Variable Speed Control Option".

Step 3: Under Firebox, wipe off area where the Fan will be mounted, this will allow velcro to take hold. (Figures: 3&5 or 4 Multi-Sided Fireplace)

Visualize a pathway for the blower to reach the back. (Figure: 3)

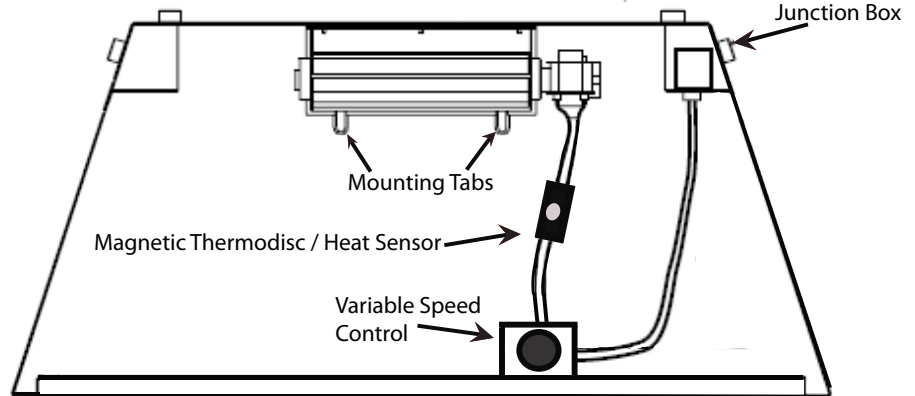


Figure: 3

Hold fan assembly so the fan blades face up and fan motor is furthest away from fireplace. Remove the clear backing of the velcro strips attached to mounting bracket.

Slide blower assembly through bottom vent space; as the blower reaches the back, position mounting tabs in mounting bracket notches, so the blower's rectangle air exit port is facing up. (Figures: 3&5 or 4)

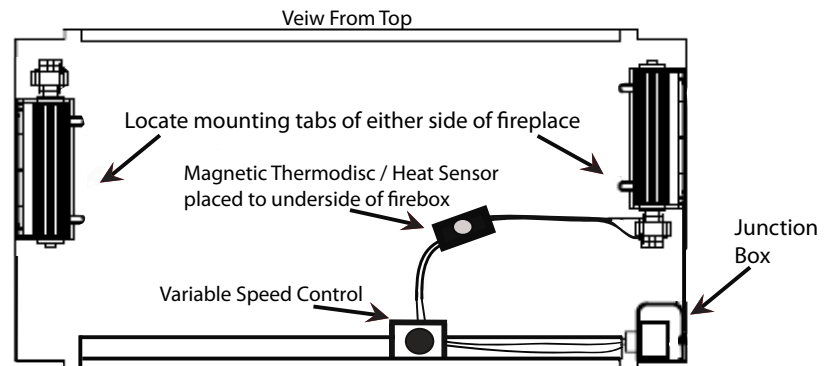


Figure: 4 Mult-Sided Fireplace

Step 4: Place magnetic thermodisc to warmest spot on the underside of firebox, typically this is towards the front and right of center (You may have to change the position of thermodisc until you find a hot spot). (Figures: 3&6)

The thermodisc will activate the blower when it senses 120°F and will automatically turn the blower off after the fireplace cools below 90°F.

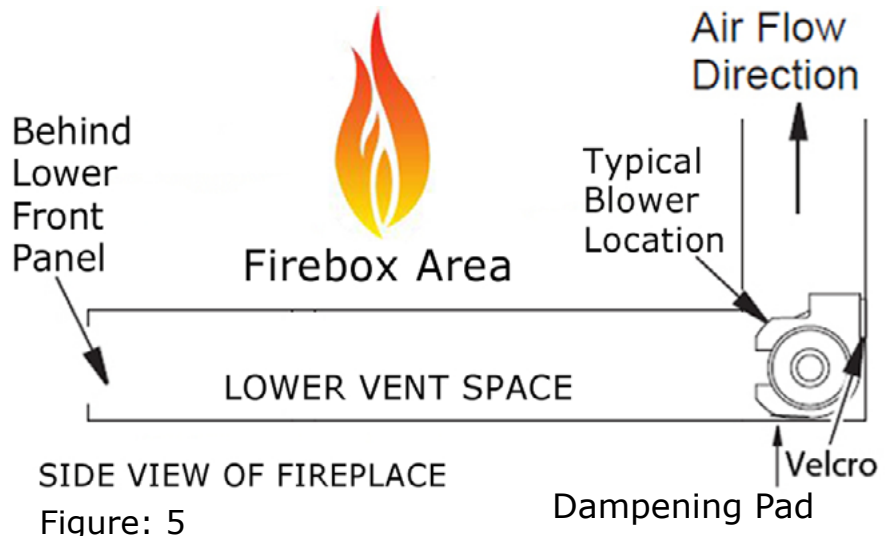


Figure: 5



Step 5: The Variable Speed Control may simply be set on the floor of the lower vent space near the front. Remove the clear back of the Velcro Strip attached to speed control for mounting. Turn the dial left and it will click off, turn right to reduce speed. (Figures: 3&5)

The speed control must be in the ON position in order for the blower to run. The blower will not turn on until the Thermodisc reaches approximately 120 degrees and the variable speed control is in the ON position.

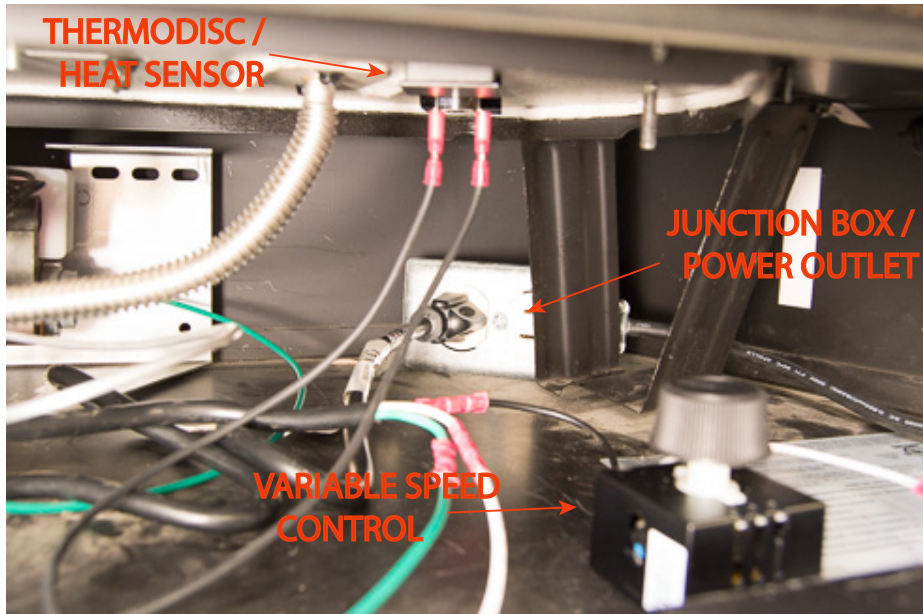
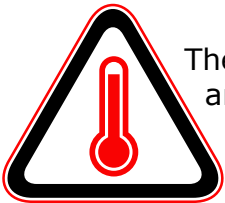


Figure: 6



The fan will not run until the Thermodisc / Heat Sensor reaches approximately 120°F and the Variable Speed Control is turned to the "ON" Position! This means the Heat Sensor must be in contact with a hot spot on the underside of the Firebox.

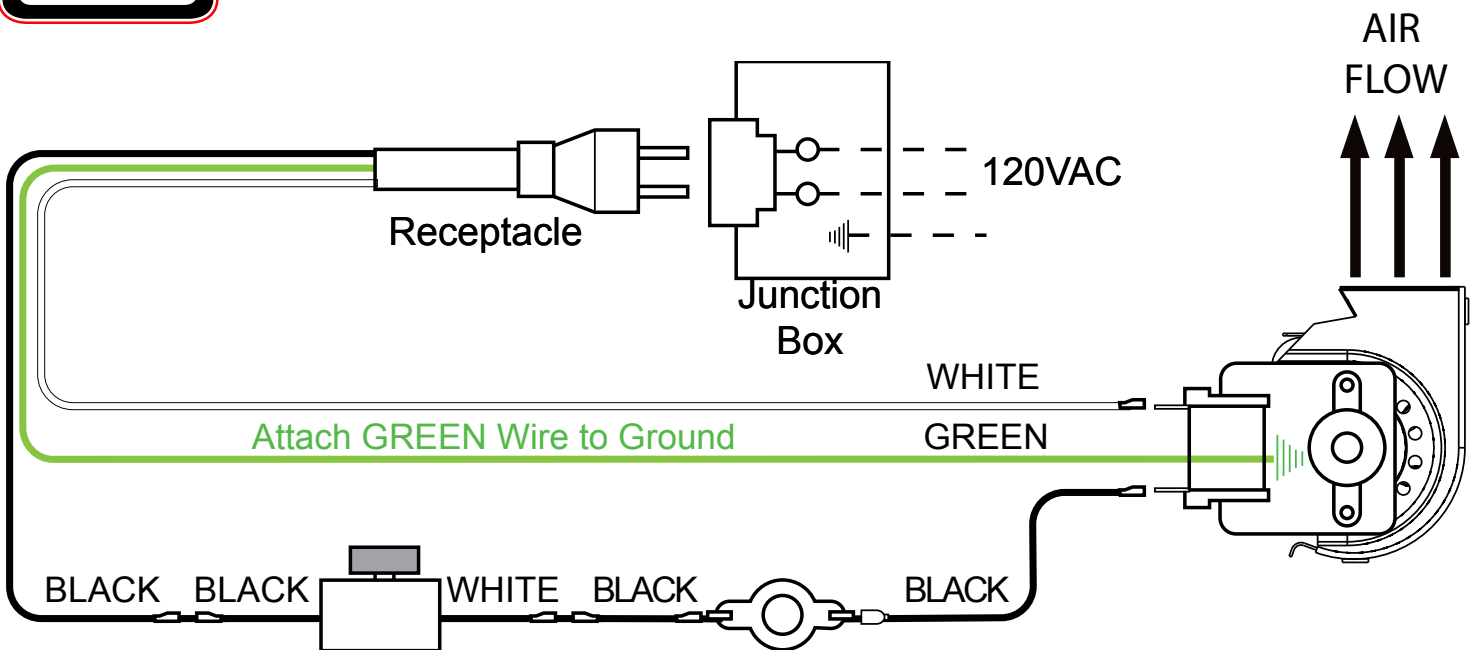


Figure: 7



Step 6:  
Insert 3-Prong Plug into top power receptacle of the Junction Box (Figure: 8).

•Wiring Diagram for this Blower Kit is illustrated in Figure: 7. Blower operates on 120V/60Hz power.

Finishing Steps:  
If appliance is connected to a gas supply, turn it back on.

If Appliance is connected to 120 Volt Power, turn it back on.

### Wall Mounted Variable Speed Control Option:

The Following instructions are only needed if you have a wall switch which is dedicated to turn the Junction Box(120v Power Supply) in the vent space under the firebox ON/OFF. AND, you wish to replace this switch with the Variable Speed Control.

•You will need a wire stripping tool, crimping tool, 11/16 socket or wrench, and phillips screw driver.

\*\*Make sure Power/Circuit Breaker to the existing switch and Gas are still off if choosing this option.\*\*

Step A: Cut the Black wires next to the yellow bands. (Figure:9).

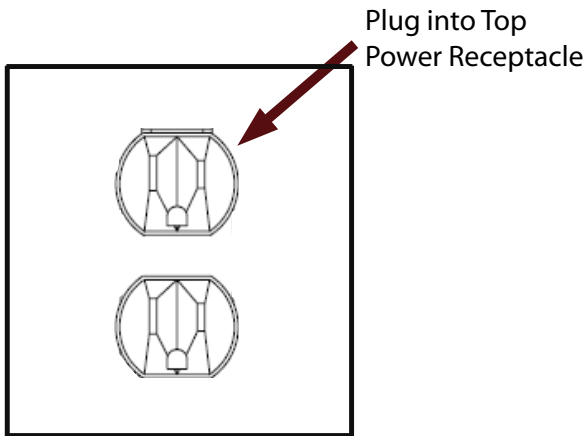


Figure: 8

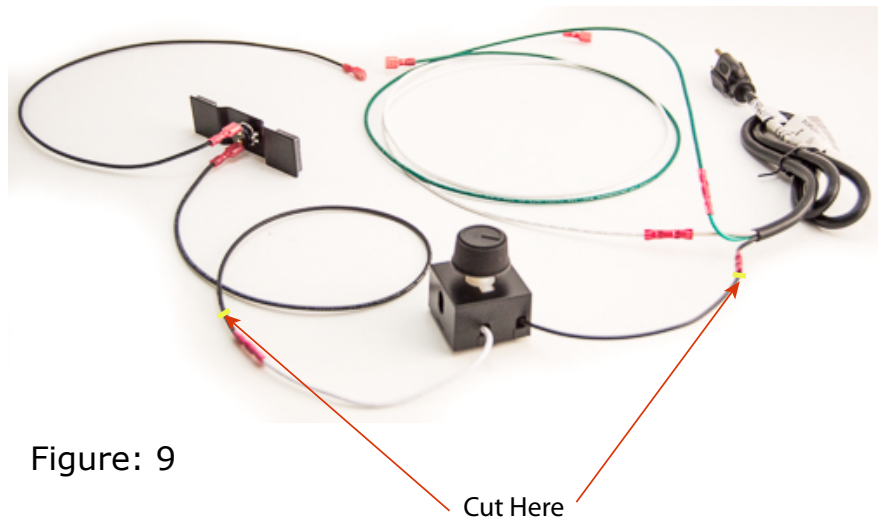


Figure: 9

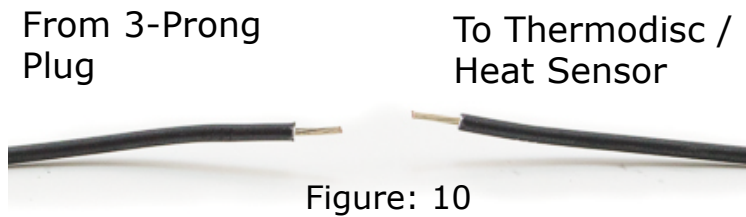
My Fireplace Blower LLC produces and sells aftermarket fireplace blower kits; which require consultation of an Owner's Installation Manual from the Manufacturer of a particular fireplace model number for installation. During Installation of a fireplace blower kit or replacement blower, refer to the Owner's Installation Manual for your particular fireplace model to obtain supplemental information. My Fireplace Blower LLC is not responsible for any damage incurred during installation or resulting from installation of a fireplace blower kit, which was directed and/or conducted from the information within this document.

Installations in Canada must conform to the current CAN/CGAB-419.1 and .2 Gas Installation Code and local regulations. When installing the blower fan kit, it must be electrically grounded in accordance with CSA C22.1 Canadian Electrical Code Part 1 and/or Local Codes.

Installations in the USA must conform to local codes, or in absence of local codes or the National Fuel Gas Code, ANSI Z223.1-1988. When installing the blower fan kit, it must be grounded in accordance with local codes, or in absence of local codes, with the National Electrical Code, ANSI/NFPA 70-1987.



Step B: Use wire stripping tool- Strip black wire coming from 3-prong plug and black wire going to thermodisc 1/4 inch, twist bare wires. (Figure: 10)



Take the ends of black wires in previous step and insert the ends into opposite sides of the provided Crimp Butt Connector. Use crimping tool to make two crimps on the Crimp Butt Connector; one on each side of center. This will firmly hold both wires in place. (Figure:11)

Step C: Use wire stripping tool- Remove yellow bands from black and white wire ends and strip (1/2 - 3/4 inch) coming from Variable Speed Control (Figure: 11)

Pull the knob off the Variable Speed Control; you will see a lock nut, use a 11/16 socket or wrench to remove it.

The stem of Variable Speed Control goes through hole of Face Plate, tighten lock nut back on stem. Put knob on stem. (Figure: 12)



Step D: Remove existing dedicated switch from wall and disconnect attached wires. Take one of the Hot wires and twist it with either white or black wire coming from speed control, take these two twisted wires and press them into one blue wire nut. While pressing, twist wire nut in clockwise direction - this will tighten the wire nut onto twisted wires. Repeat this process with the other Hot wire and 2nd wire from speed control. Properly ground any Ground wire to metal switch box housing. Secure face plate to switch box with included 2 screws using phillips screw driver.

•Go back to Step 3.

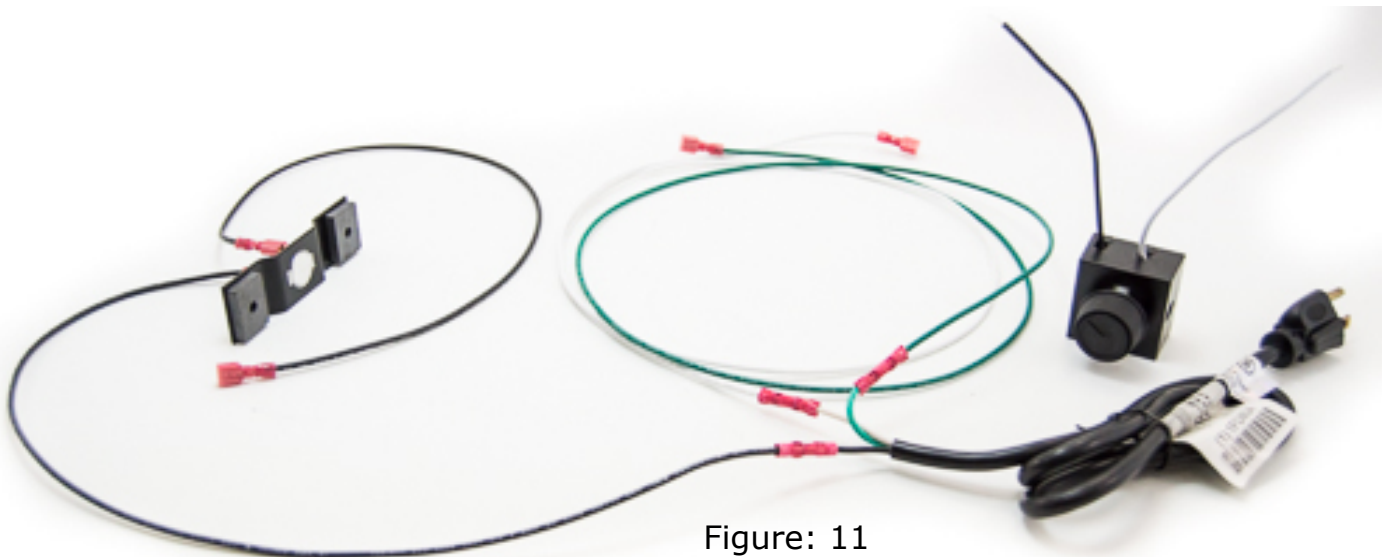


Figure: 11