

Instructions for Aftermarket Version – GFK-160A Blower Kit



Before installing the blower, turn off both the gas supply and electrical power.

Ensure that any excess cord is secured and kept away from hot surfaces or moving parts.

Before installing the blower kit, ensure that the bottom area in your fireplace is free of drywall dust or debris. Cleaning this area is important, as these conditions can damage the bearings or motor.

This blower kit has been tested and is safe for use when installed according to the provided instructions. Be sure to read all instructions carefully and refer to the Owner's Installation Manual for your specific model of fireplace for additional information. The blower operates on a 120V/60Hz power supply.

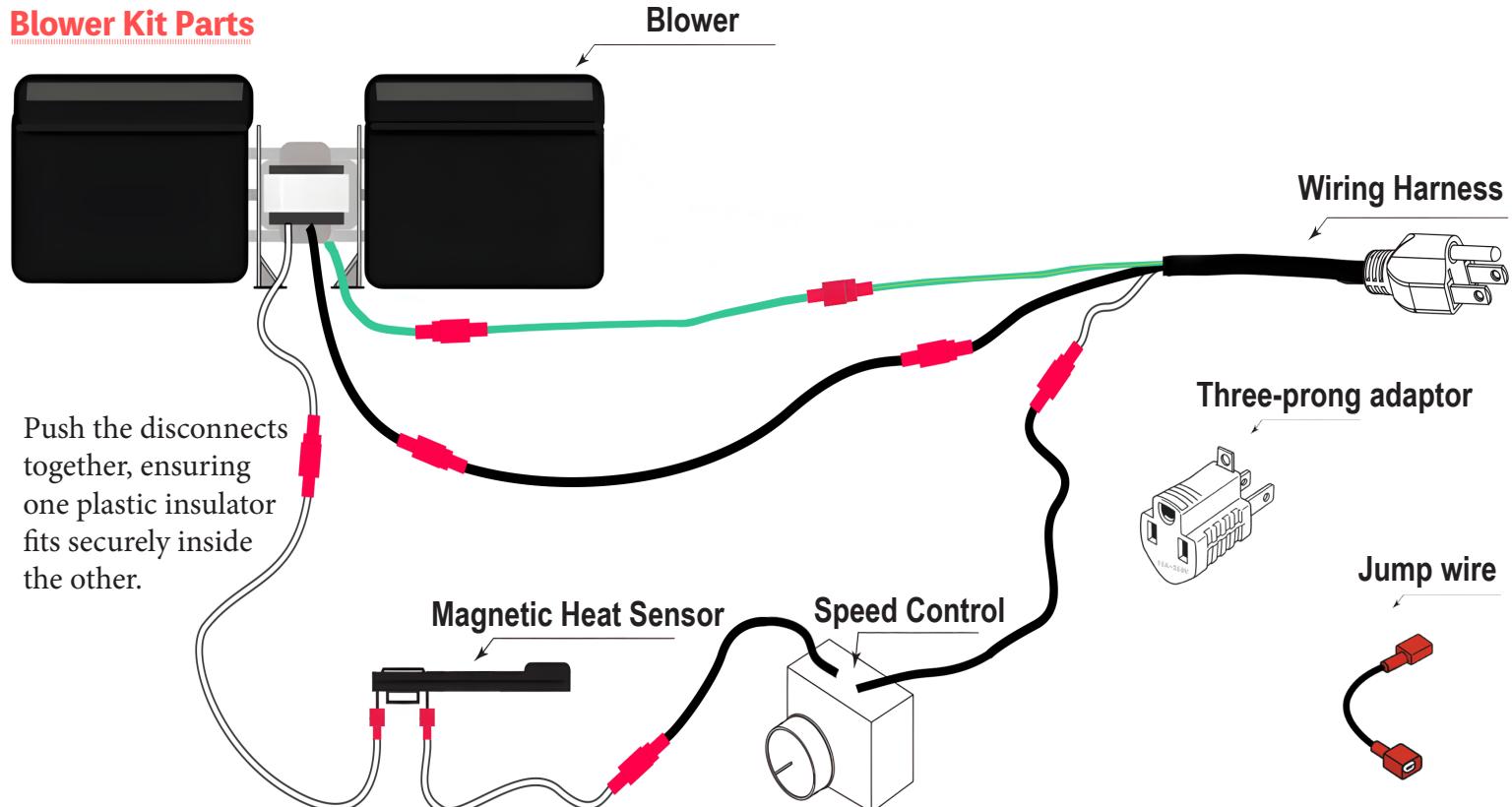
Check the contents of the carton.

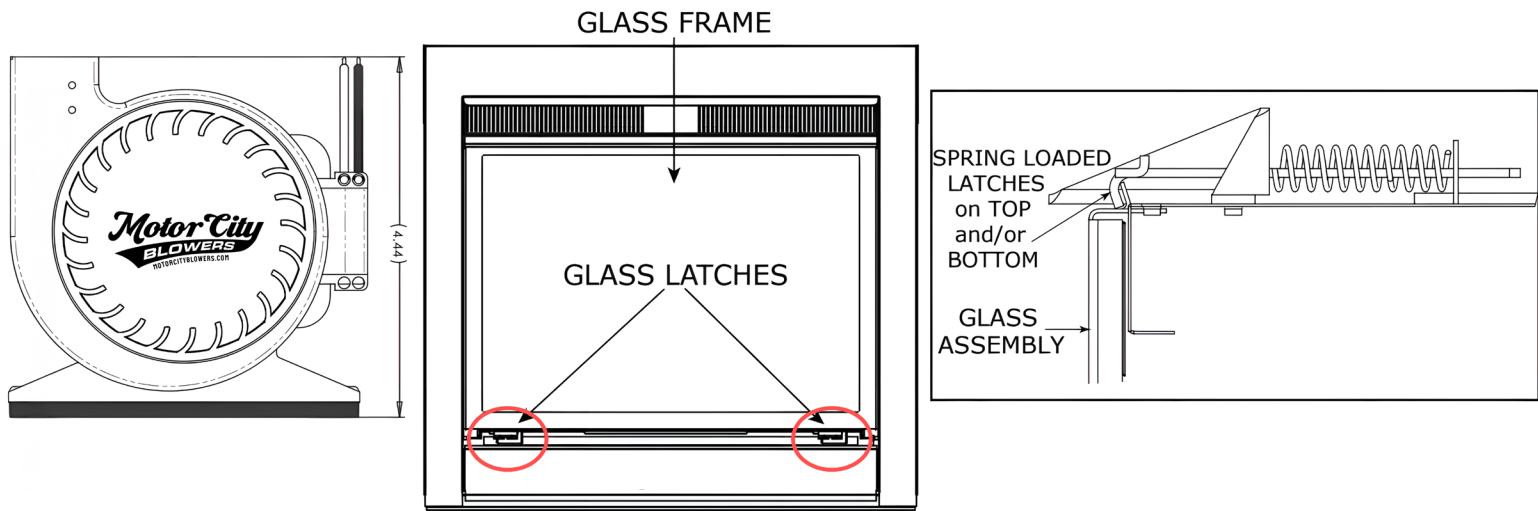
Make sure nothing was damaged in the shipment.

DO NOT install a damaged blower kit!

1. Turn Off the gas to Fireplace and allow it to cool down.
2. Disconnect from 120V Power. Shut off the Gas supply.
3. Remove the louver which covers the lower vent space below the firebox.
4. Plug Power Cord into "Live" Outlet. Test Blower operation by placing flame to Silver Disc of Heat Sensor for 10 seconds. Verify Speed Control in "ON" Position.

Blower Kit Parts





Blower Instructions

1. Confirm Fit

- The blower is 4.44 inches tall. Hold it up to the lower vent space opening to ensure it fits.
- If the fit is tight, remove the glass frame by releasing the spring-loaded latches.

2. Check for Additional Components

- For the "SL" Series, see Figures 10 and 20; a removable cross-member bar may be present.
- For multi-sided fireplaces.

3. Prepare the Installation Area

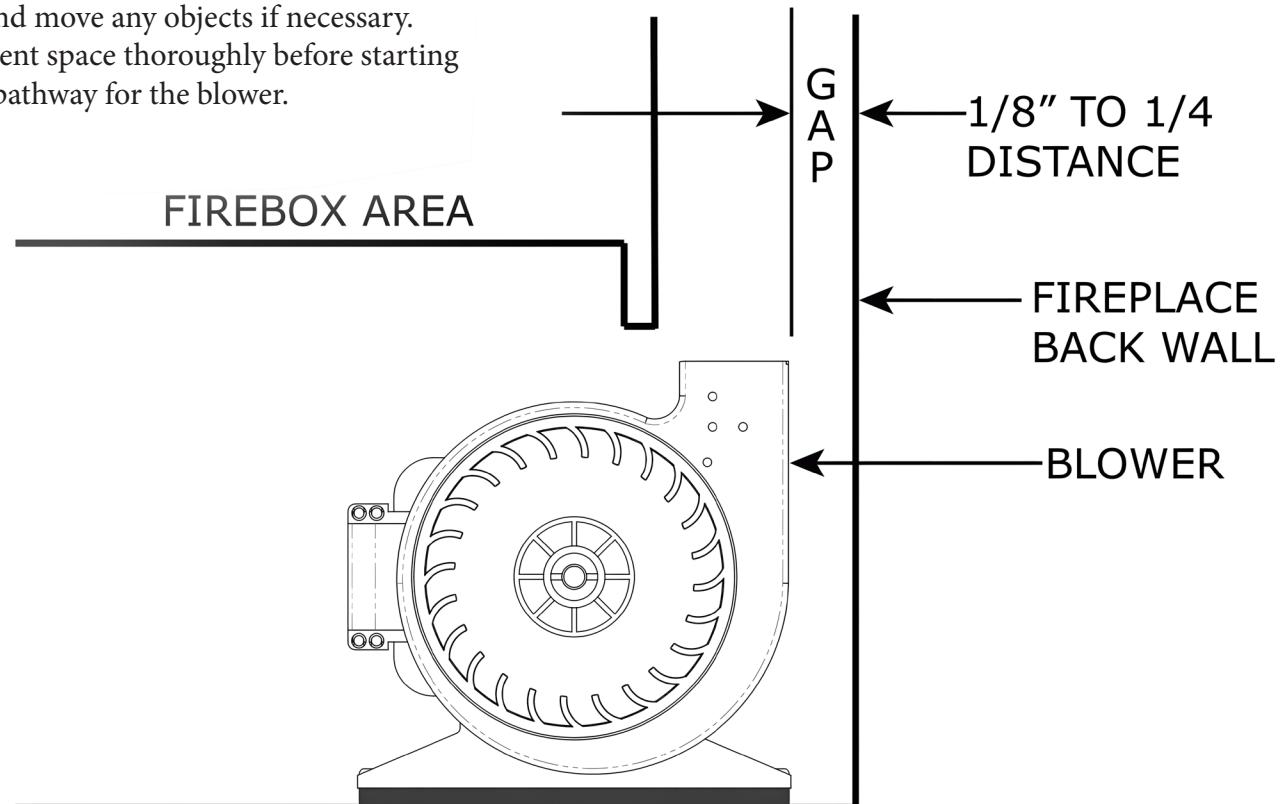
- Check the right side of the gas valve for room to insert the blower, and move any objects if necessary.
- Clean the lower vent space thoroughly before starting to ensure a clear pathway for the blower.

4. Positioning the Blower

- Remove the clear backing from the Velcro on the back of the blower.
- Position the blower with the rectangular air exit ports facing up and the motor on the left side (Figure 5).

5. Install the Blower

- Carefully slide the blower into the lower vent space, centering it against the rear wall.
- Position the blower 1/8 to 1/4 inch from the back wall of the fireplace for optimal fit.



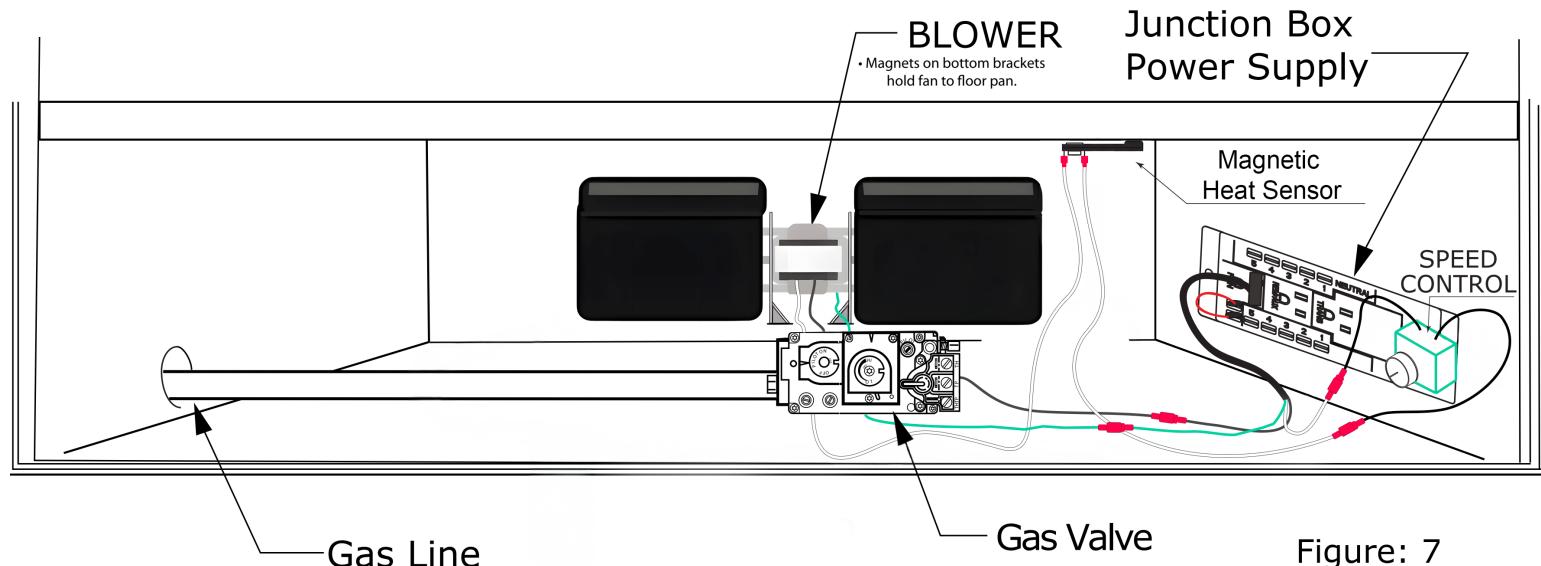


Figure: 7

(Figure 7) above shows the proper placement of the blower at the rear of the lower vent area, as well as the correct wiring connections.

Thermodisc Placement Location

Typically, a screw stud is located slightly right of center on the underside of the firebox or on the lower right side wall. Position the Thermodisc near this screw stud—either on the underside or along the side wall of the firebox

Factors Affecting Blower Run Time

Several factors—such as the fireplace model, installation type, and the difference between indoor and outdoor air temperature—can influence how long the blower continues to run after the fireplace burner has been turned off.

Adjusting Heat Sensor Placement

Moving the Heat Sensor slightly away from the center can help the blower shut off more quickly after the fireplace is turned off.

Proper Thermodisc Contact

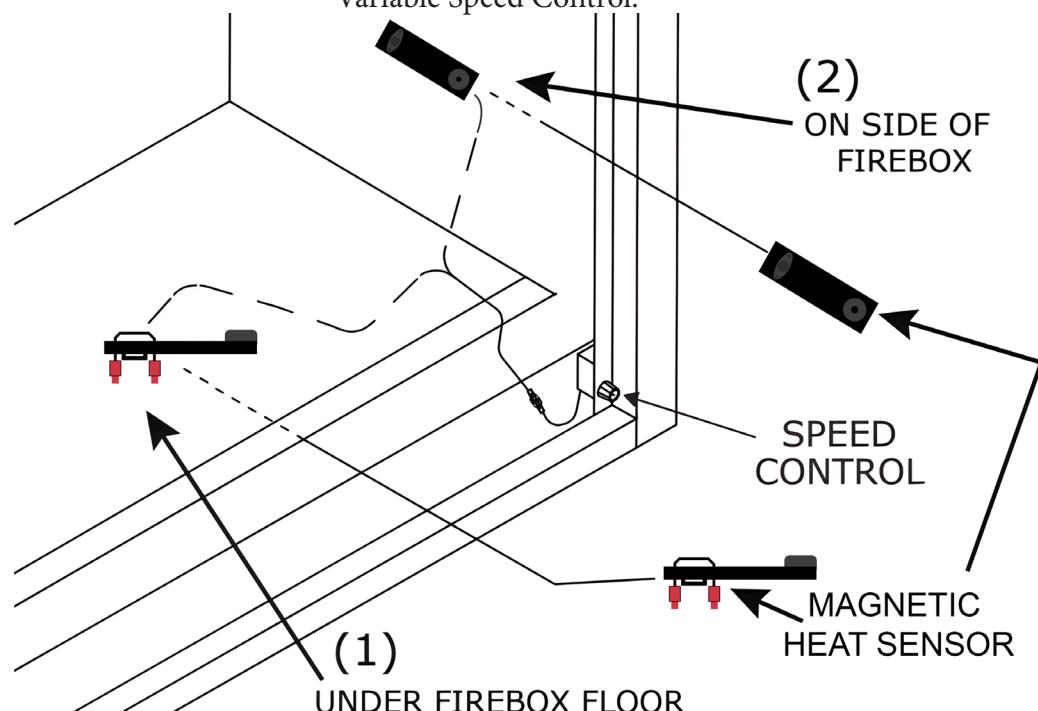
The silver surface of the Thermodisc must be in direct contact with the metal exterior of the firebox in order to properly detect heat. The built-in magnets will securely hold it in place against the metal surface.

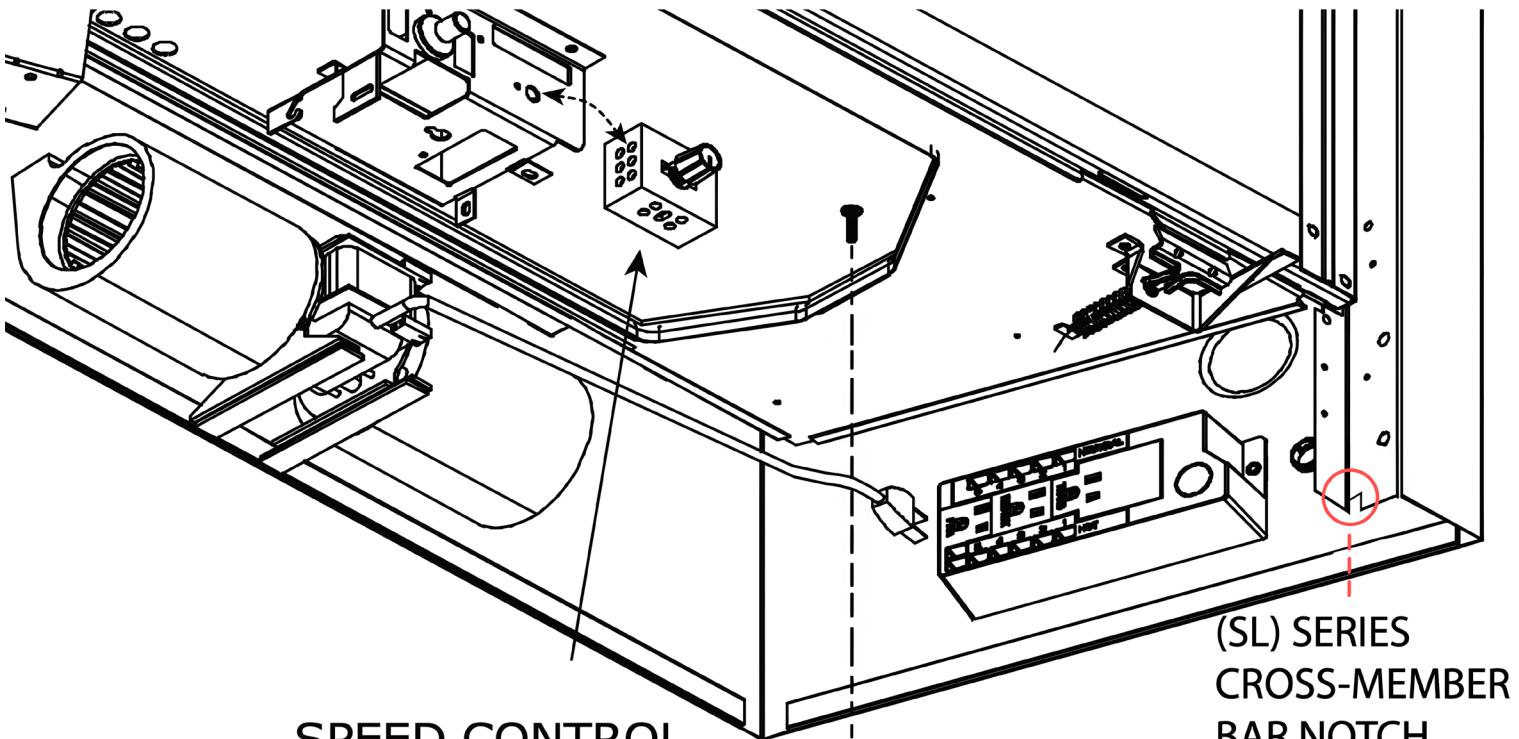
Manual Blower Control

The blower can also be manually turned off using the Variable Speed Control.



The fan will not operate until the Thermodisc (Heat Sensor) reaches around 120°F and the Variable Speed Control is switched to the “ON” position. This means the Heat Sensor must be positioned against a hot area on the bottom side of the Firebox.





(SL) SERIES
CROSS-MEMBER
BAR NOTCH



MAGNETIC
HEAT SENSOR

Mounting the Variable Speed Control

The Variable Speed Control can be installed either on the right side of the lower vent space or in the center area on the front of the control panel.

Before installation, wipe down the mounting area to ensure it is clean and free of dust. Peel off the protective backing from the Velcro attached to the Variable Speed Control and press it firmly onto the desired location.

Finding the Ideal Mounting Location

It may be helpful to operate the blower a few times before finalizing the mounting spot. This allows you to determine the most convenient and accessible location for the control.

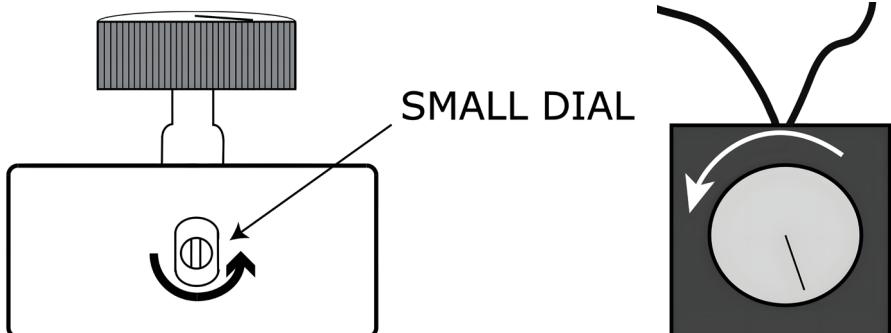
Blower Activation Requirements

The Variable Speed Control must be switched to the ON position for the blower to operate

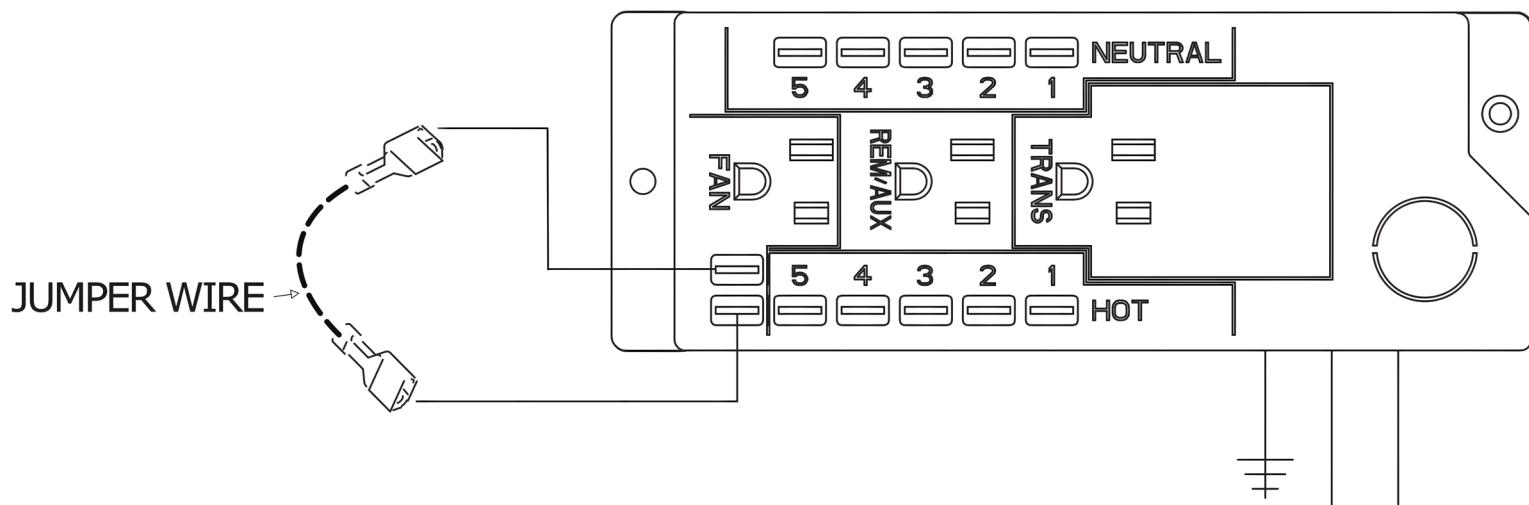
Note: The blower will only turn on once the Thermodisc reaches approximately 120°F and the Variable Speed Control is turned ON.

Turn the dial to counterclockwise to increase speed until it clicks off, turn right to reduce speed.

To adjust the minimum speed, turn the dial clockwise to lower the low-end speed, or counter-clockwise to raise the low-end speed.



Power strip style JUNCTION BOX



Check the style of your Junction Box (Figures xx) and follow the appropriate instructions below:

Power Strip Style:

Insert the black jumper wire into the two small ports located in the lower left corner of the Junction Box, just below the area labeled "FAN." One port is positioned above the other (Figures xx).

Plug the blower into the outlet labeled "FAN" on the Junction Box (Figures xx).

Metal Style:

Ensure the two wires coming from the Junction Box are properly connected. Push the disconnect terminals together—one plastic insulator should slide into the other.

Use a 3-prong to 2-prong plug adapter, then plug the blower into the receptacle marked "FAN" (Figures xx).

Newer (IFT) Style:

The black jumper wire is not required.

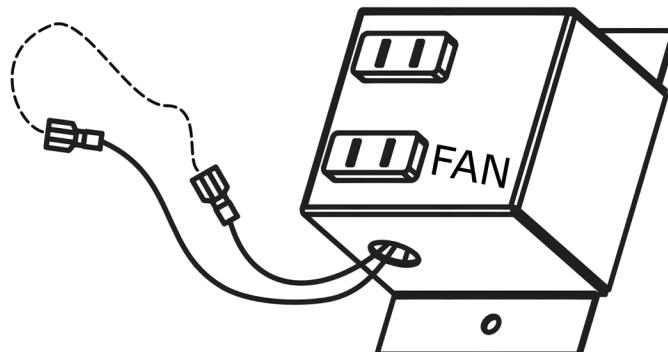
Simply insert the blower plug into the receptacle on the Junction Box.

Finishing Steps:

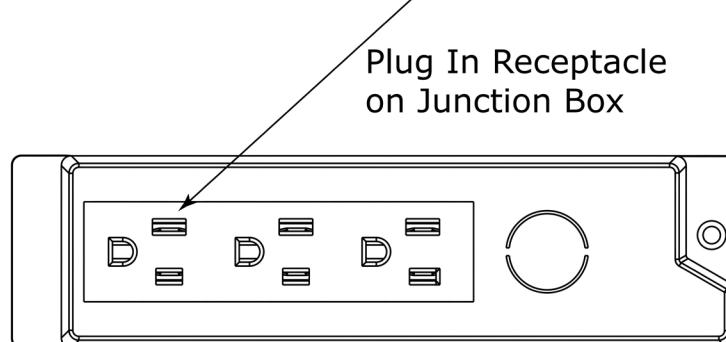
If the gas supply was turned off, turn it back on.

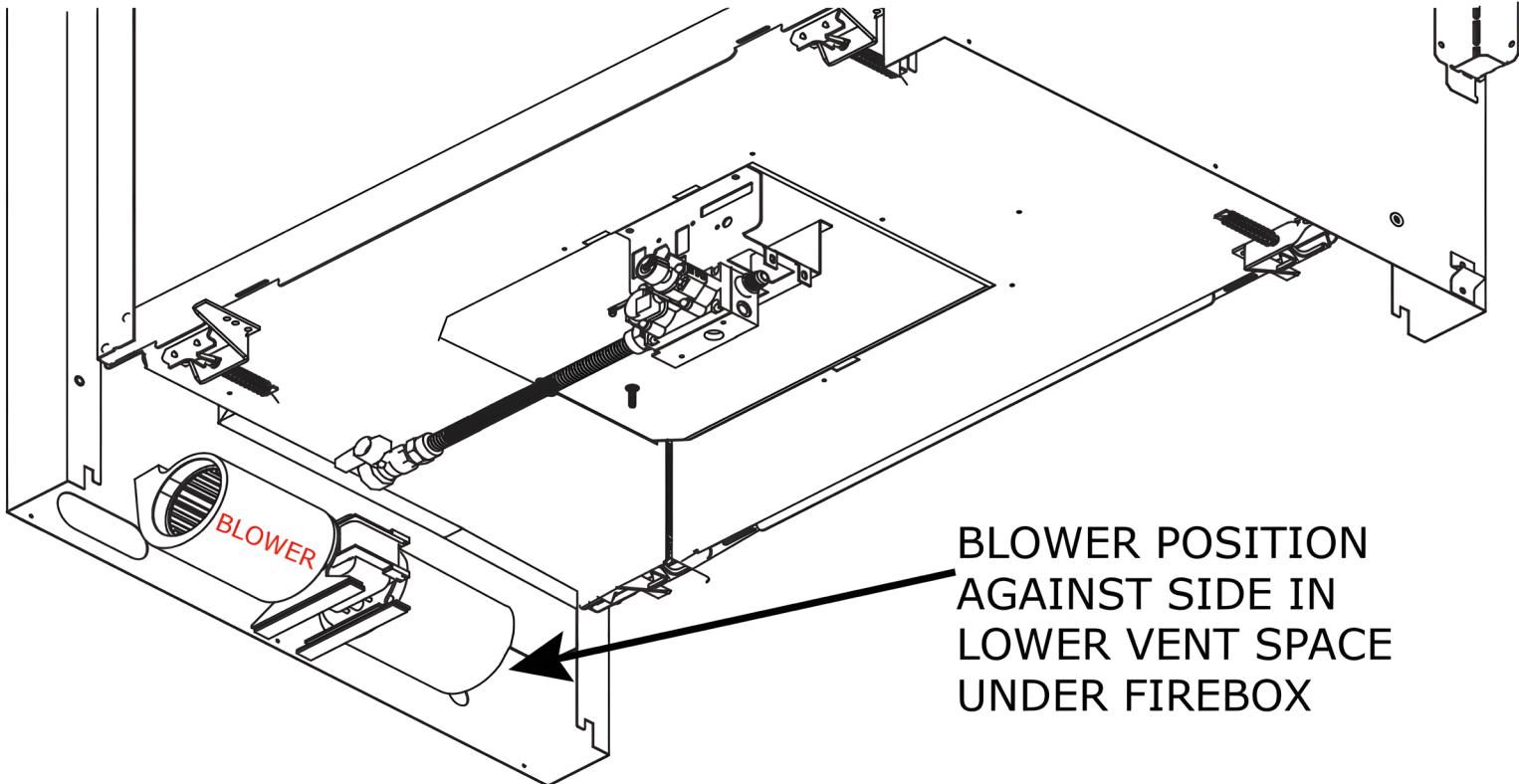
If the 120-volt power supply was turned off, restore power by turning it back on.

Metal style junction box



(IFT) Junction Box
POWER CORD

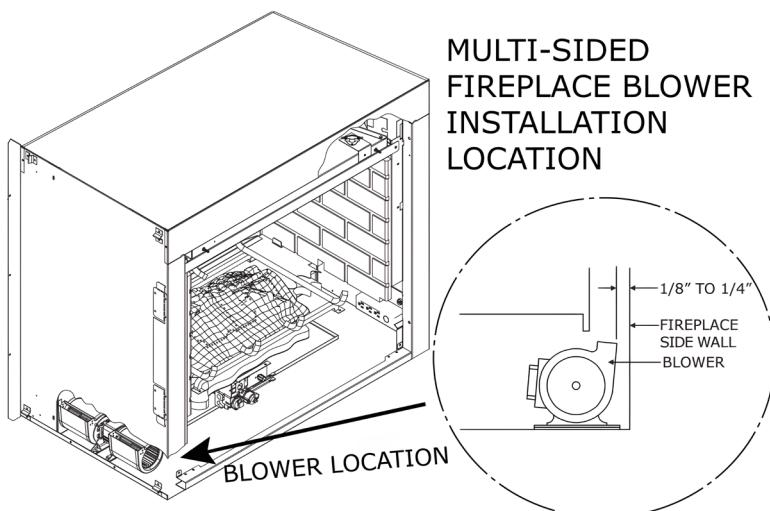




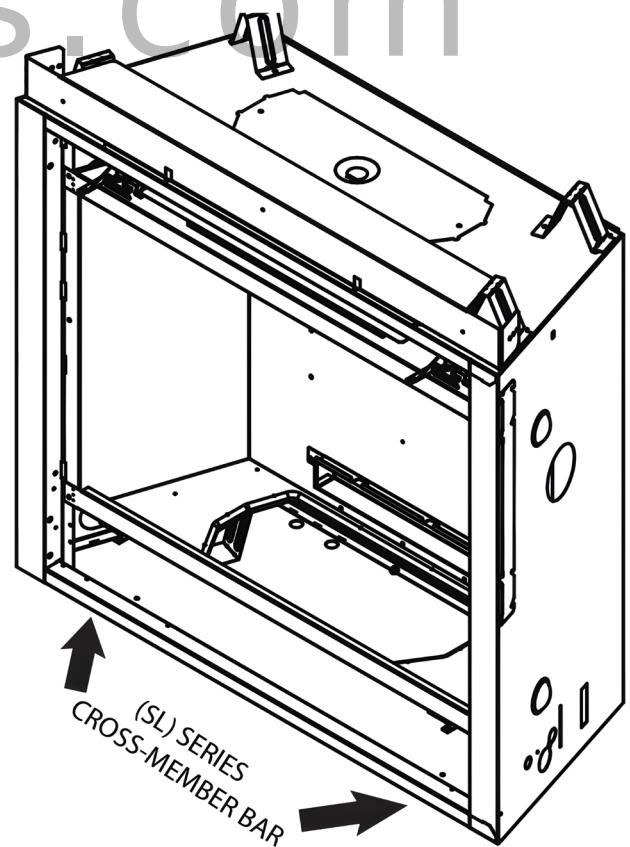
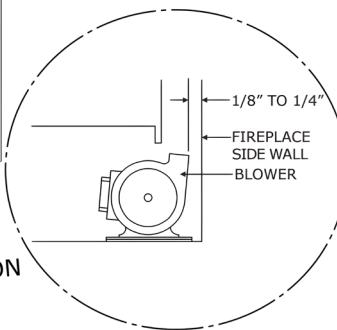
(Figures xx) illustrate the proper placement of the blower against one of the firebox side walls. Check the position of the gas pipe to ensure there is a minimum of 13 inches of clearance on either side of it to accommodate the blower. The blower should be positioned beneath the vertical vent space that runs along the side wall.

**BLOWER POSITION
AGAINST SIDE IN
LOWER VENT SPACE
UNDER FIREBOX**

(Figure xx) highlights the cross-member bar, which may be present in "SL" Series fireplaces.



**MULTI-SIDED
FIREPLACE BLOWER
INSTALLATION
LOCATION**



Note:

Motor City Blowers manufactures aftermarket fireplace blower kits. Always consult your fireplace's Owner's Installation Manual for model-specific instructions during installation or replacement. Motor City Blowers is not responsible for any damage resulting from installation based on this document.

Installations in Canada must comply with the current CAN/CGAB-419.1 and .Z Gas Installation Code, as well as all applicable local regulations. The blower fan kit must be electrically grounded in accordance with CSA C22.1, Canadian Electrical Code Part 1, and/or local codes.

Installations in the United States must adhere to local codes, or in the absence of local codes, to the National Fuel Gas Code ANSI Z223.1-1988. The blower fan kit must be electrically grounded in accordance with local regulations or, if none are available, with the National Electrical Code, ANSI/NFPA 70-1987.