

OPTIONAL SINGLE SPEED BLOWER INSTALLATION INSTRUCTIONS

Attention: Install blower assembly before connecting gas inlet supply line.

Wiring

The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the *National Electrical Code, ANSI/NFPA 70*, if an external electrical source is utilized. **This appliance is equipped with a three-prong [grounding] plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.** For an ungrounded receptacle, an adapter, which has two prongs and a wire for grounding, can be purchased, plugged into the ungrounded receptacle and its wire connected to the receptacle mounting screw. With this wire completing the ground, the appliance cord plug can be plugged into the adapter and be electrically grounded.

Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

Note: Junction box on right side of firebox must be pre-wired at time of firebox installation for use with blower assembly. A standard wall ON/OFF wall switch or optional SCV1 Variable Speed Control Kit should be installed to activate power to the Firebox, and control the operation of the FBB5 Blower assembly. It is recommended that installation of the wiring be performed by a qualified electrician. **See Figure 25.**

1. If installed, turn OFF gas supply to firebox/gas log.
2. If applicable, turn OFF electric supply to firebox.

CAUTION: ALL WIRING SHOULD BE DONE BY A QUALIFIED ELECTRICIAN AND SHALL BE IN COMPLIANCE WITH ALL LOCAL, CITY AND STATE BUILDING CODES. BEFORE MAKING THE ELECTRICAL CONNECTION, MAKE SURE THAT MAIN POWER SUPPLY IS DISCONNECTED. THE APPLIANCE, WHEN INSTALLED, MUST BE ELECTRICALLY GROUNDED IN ACCORDANCE WITH LOCAL CODES, WITH THE NATIONAL ELECTRICAL CODE ANSI/NFPA 70 (LATEST EDITION).

JUNCTION BOX CONNECTIONS

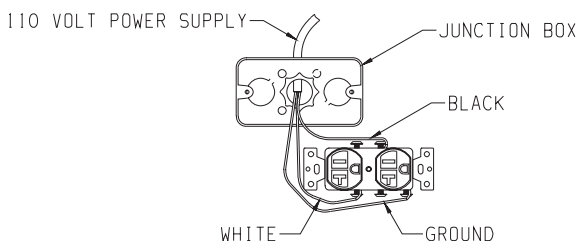


Figure 25

A factory installed junction box is located on the lower right side of the firebox. Wiring must be fed to the junction box and attached to the receptacle that is provided. From right side of the firebox, remove the screw securing the junction box assembly. Leave approximately 6" of wire in the junction box for connection.

Attach black wire to one side of the receptacle and white wire to opposite side of receptacle. The ground wire should be attached to the green (ground) screw.

Install the receptacle into the junction box. Attach cover plate.

Attention: If installed, do not damage gas inlet supply line when blower assembly is inserted into firebox. In some cases, removal the gas inlet supply line may be necessary.

3. Determine which type of firebox you have prior to installation. **See Figures 26 and 27.**

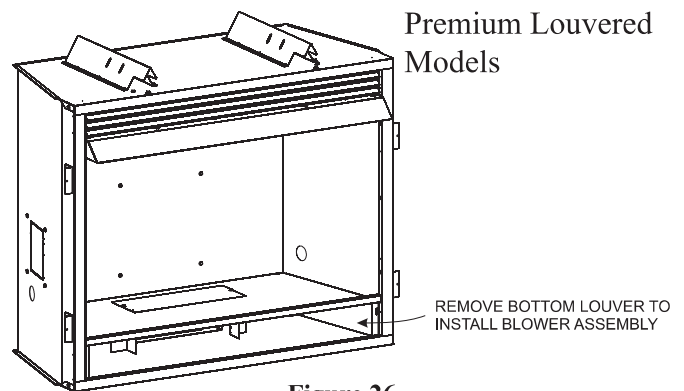


Figure 26

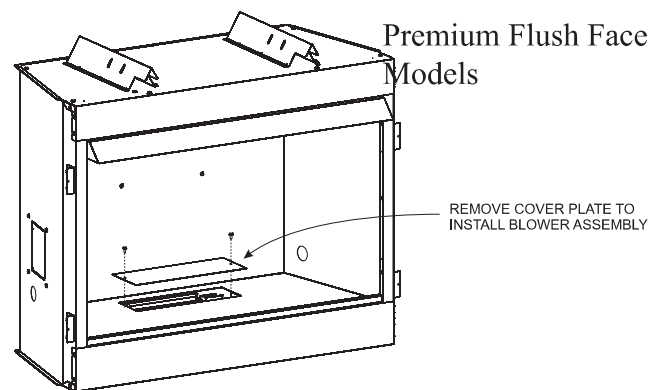


Figure 27

4. Insert blower assembly into interior, bottom of firebox. Position blower assembly so that you align the notch on back of blower assembly with the center screw on firebox back, then push the blower assembly against firebox back. The blower wheel must be centered with the back wall of the firebox. The magnets on the back and bottom of blower assembly will sufficiently hold blower assembly in place.

Note: For field installation of blower assembly, it may be easier to remove rear cover panel to install blower. This eliminates the need to remove brick liner panels, but the blower would have to be installed prior to installing the firebox into a wall or chase. **See Figure 28.**

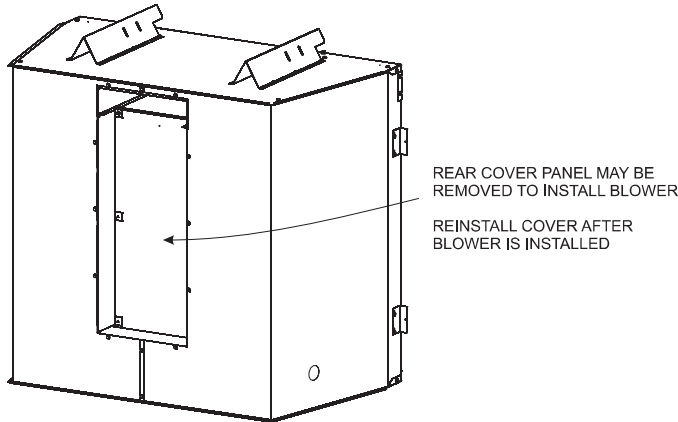


Figure 28

5. Once the blower assembly is in position, locate the plug button in the top right rear corner of the firebox. Remove the plug with a standard screwdriver and discard plug.
6. Next, find the fan control switch and wire assembly. Feed the wires through the hole at the top of the firebox, and secure the fan control switch with (2) #6 screws provided. **See Figure 29.**

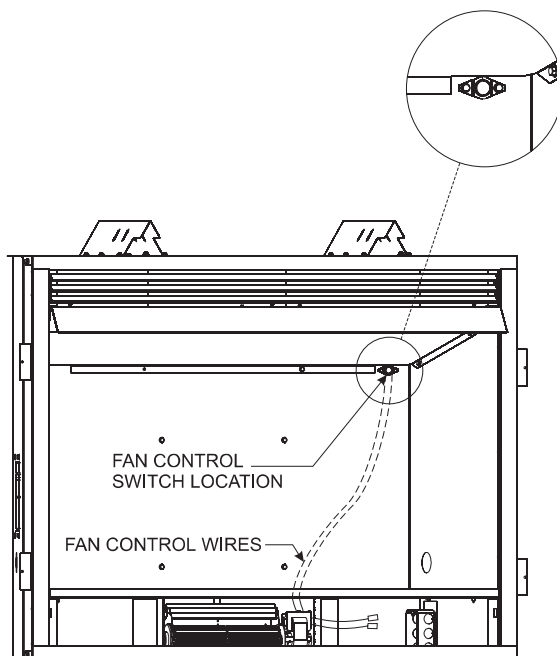


Figure 29

7. The fan control wires will slide down between the firebox and outer wrap near the blower assembly. **See Figure 29.**

8. One fan control wire will have a 1/4" female terminal that must be attached to the open terminal on the blower motor. **See Figure 32, Connection A.**
9. The other fan control wire has a 1/4" male terminal. Attach this terminal to the open terminal on the blower power cord. **See Figure 32, Connection B**
10. Route the wires away from moving parts of the blower assembly and retain wires together near the blower motor using the plastic purse clip provided.
11. To complete the installation, plug the power cord into the junction box receptacle at the right rear corner of the firebox outer wrap. **See Figure 30.**
12. If room permits, the power cord can be located from the outside of the unit looking through the junction box access hole (with the junction box removed), then plug up the power cord before reinstalling the pre-wired junction box.
13. Once all connections are made electrically, it is recommended that you test the blower fan control operation by turning on power to the blower (Caution: 110 Volt). Then apply heat to the fan control switch inside the firebox with a lighter or match until blower is activated. Once blower is activated, check for proper operation. Do not place hands near blower assembly or other wiring while power is on.
14. Replace blower access plate and/or reinstall the brick liner panels if provided.
15. This completes the installation of the optional FBB5 Blower kit accessory.

Note: This blower is equipped with a heat activated fan control switch. Blower will operate when the firebox warms up, and will turn off automatically when the firebox cools down.

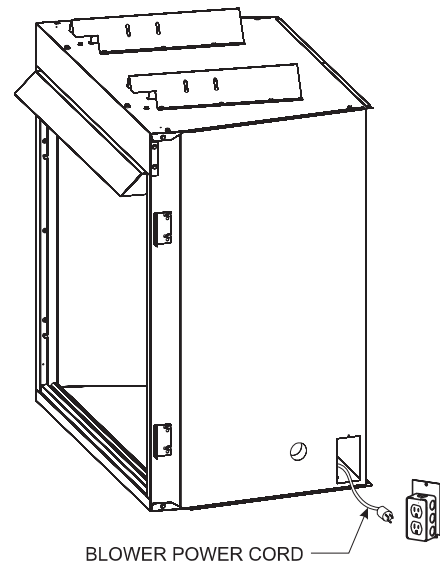


Figure 30

Blower Motor

The blower motor does not have oiling holes. Do not attempt to oil the blower motor.

Blower Wheels

The blower wheels will collect lint and could require periodic cleaning. If the air output decreases or the noise level increases, it indicates a dirty blower wheel. Remove fan and clean blower wheels.

Warning: Unplugging of blower accessory will not stop the heater from cycling. To turn off gas to the heater (millivolt model): push in gas control knob slightly and turn clockwise to “OFF.” Do not force. To turn off gas on direct ignition model, turn gas line valve to “OFF.”

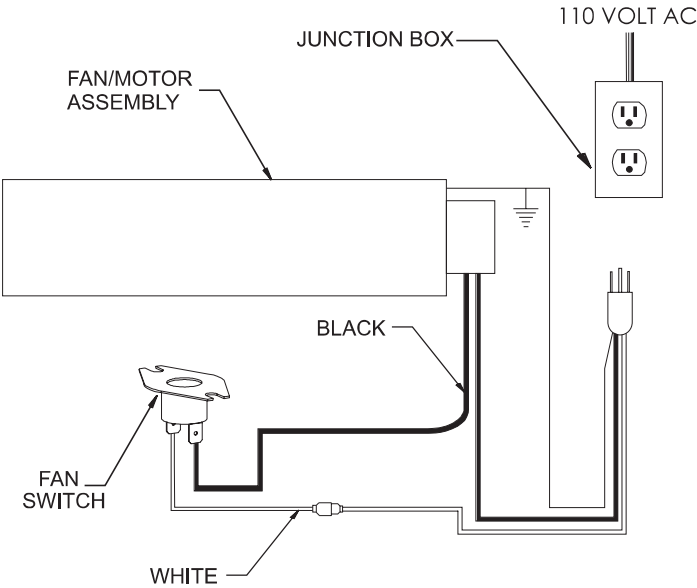
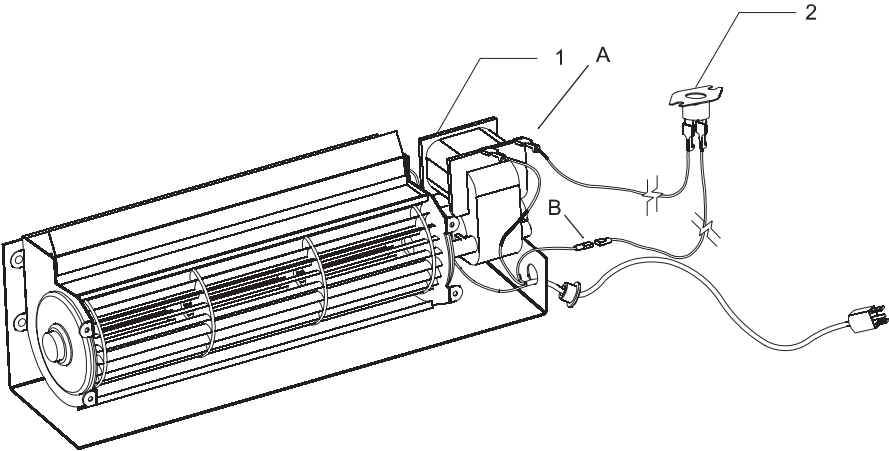


Figure 31



1	FBB5	BLOWER ASSEMBLY COMPLETE
2	R8199	FAN CONTROL SWITCH

Figure 32