

INSTALLATION INSTRUCTIONS

Model GFK-160A Fan Kit

**This is a contractor replacement kit. The blowers are aftermarket models, not original equipment with LIMITED INSTRUCTIONS!
Intended to be installed by a qualified technician.**

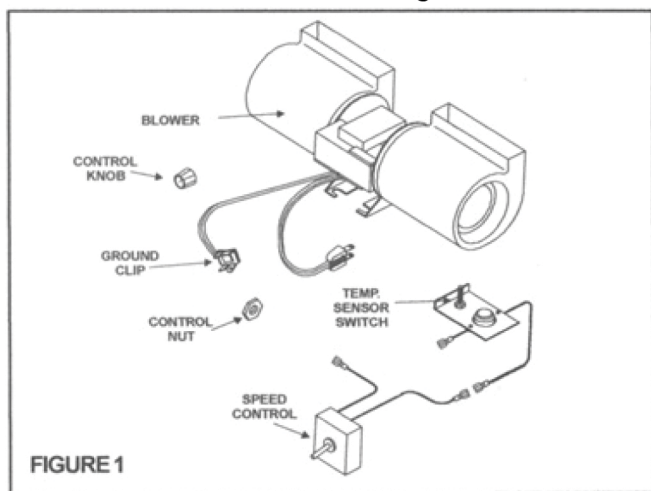
1.0 INTRODUCTION

The GFK-160A Blower has been designed to circulate room air through the fireplace to enhance heat output. The GFK-160A blower system operates on 120 VAC, 60 Hz power. This is available through a receptacle in the factory installed junction box. The junction box is located in the controls compartment of the fireplace.

A variable speed control is provided with the blower system to provide quiet forced air flow at the desired speeds. A temperature sensor switch, which automatically turns the blower ON/OFF, is also provided with this kit.

2.0 CHECK CONTENTS OF SHIPPING CARTON

Compare CONTENTS OF CARTON (See Figure 1) with the actual parts received. If any parts are missing or damaged, contact your dealer before starting installation. Do not install a damaged blower kit.



3.0 INSTALLATION PRECAUTIONS

The GFK-160A Blower Kit is tested and safe when installed in accordance with this installation manual. It is your responsibility to read all instructions before starting installation and to follow these instructions carefully during installation to assure maximum benefit from, and safe operation of, the blower.

This blower is carefully engineered and must be installed only as specified. If you modify it or any of its components, you may cause a fire hazard and will void

the WARRANTY. In addition, such action may void the coverage provided by the owner's home insurance.

CAUTION: All wiring should be done by a qualified electrician and shall be in compliance with local codes and with the National Electric Code ANSI/NFPA NO. 70-current (in the United States), or with the current CSA C22.1 Canadian Electric Code (in Canada).

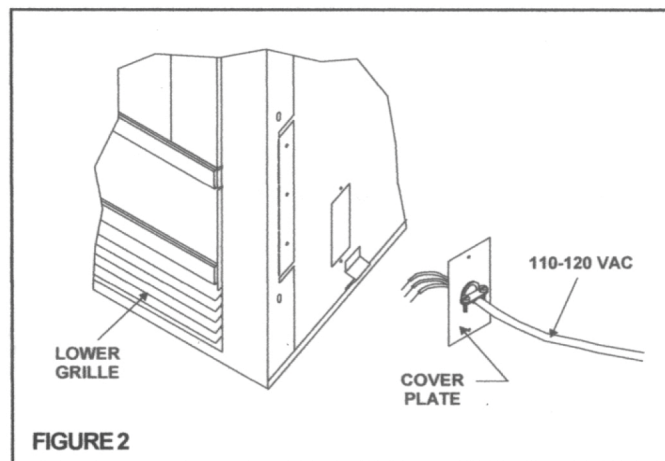
WARNING: DO NOT CONNECT 110-120 VAC WIRING TO THE GAS CONTROL VALVE OF THIS FIREPLACE.

4.0 INSTALLATION INSTRUCTIONS

4.1 INSTALLING ELECTRICAL SERVICE TO THE JUNCTION BOX

WARNING: TURN ELECTRICAL POWER OFF AT THE CIRCUIT BREAKER BEFORE BEGINNING THIS INSTALLATION.

1. Remove the electrical cover plate from the lower exterior of the fireplace. Remove the knock-out from the plate and attach the Romex clamp (screws to the outside) (See Figure 2). **NOTE:** Some fireplace models have a round hole through which the service wires are fed and into which the Romex clamp is attached. These models do not have a cover plate.



2. Feed the 110-120 VAC electrical service wires through the Romex clamp and secure the wires to the clamp. Reattach the cover plate to the outside of the fireplace.
3. Access the controls compartment of the fireplace to locate the Junction Box.
4. Using the wire nuts, attach the black wire to the black service wire, the white wire to the white service wire, and the service ground wire to the ground stud of the junction box.
5. Attach the junction box to the side of the unit. Insert the rear tab of the box into the rectangular slot in the outer wrap of the firebox. Push the front end of the box tightly against the side of the unit, and secure the box with a sheet metal screw (note the hole in the front end tab).

4.2 INSTALLING THE BLOWER

Position the blower all the way to the rear and center in the fireplace. Pull the blower forward 1/8" to 1/4" from the back wall of the fireplace (See Figure 3).

4.3 INSTALLING THE SPEED CONTROL AND SENSOR SWITCH

1. Remove the knob and locknut from the variable speed control. Slide the control behind the fireplace wall in the lower right front corner with the stem sticking out of the pre-punched hole. Attach the locknut tightly and reattach the knob on the stem. Plug the blower into the receptacle marked Rem/Aux or fan. This could vary between models. This should be a standard wall current or dedicated power.

NOTE: Some models may have a separate mounting location on the base pan or valve bracket for mounting this speed control.

2. Turn the 110-120 VAC series "ON" at the circuit breaker and turn the speed control switch to the "ON" position.



Unplug blower before changing the location of the thermal sensor. Possible electrical shock if not unplugged.

3. The thermal sensor will turn blower on approximately 10-20 minutes after the fireplace is started and will continue to operate up to 30 minutes after the fireplace has been turned off. Times may vary depending on sensor location.

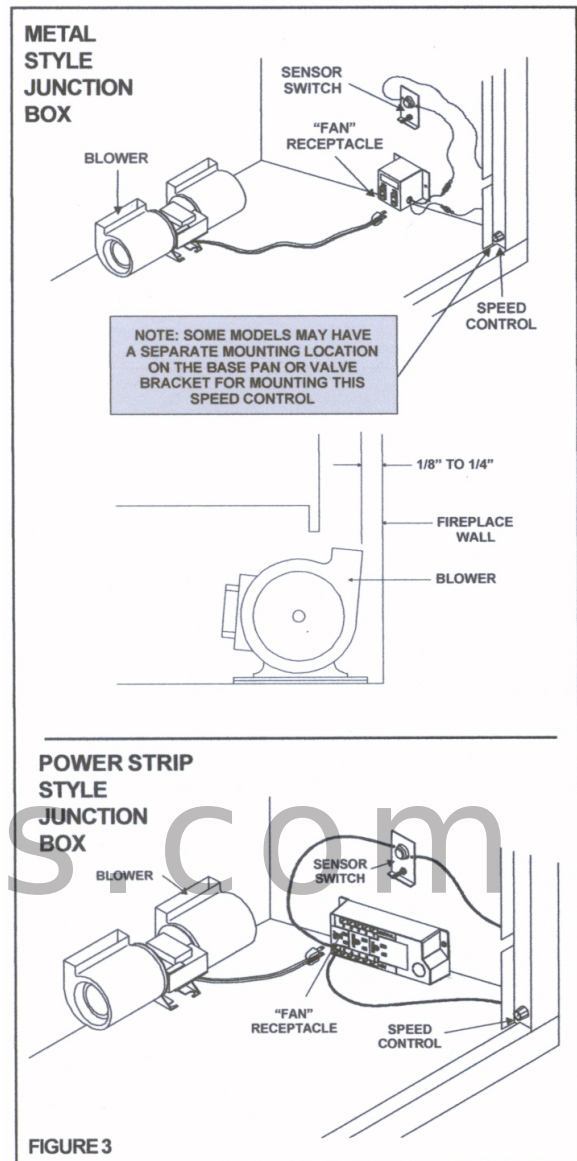
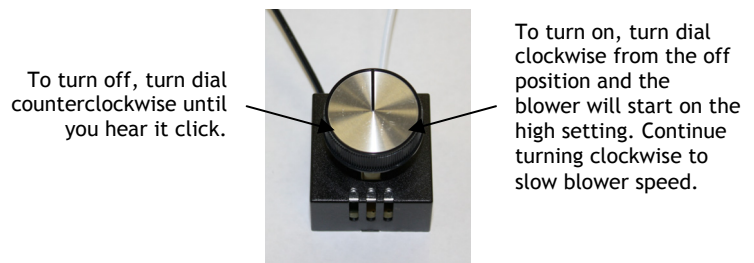
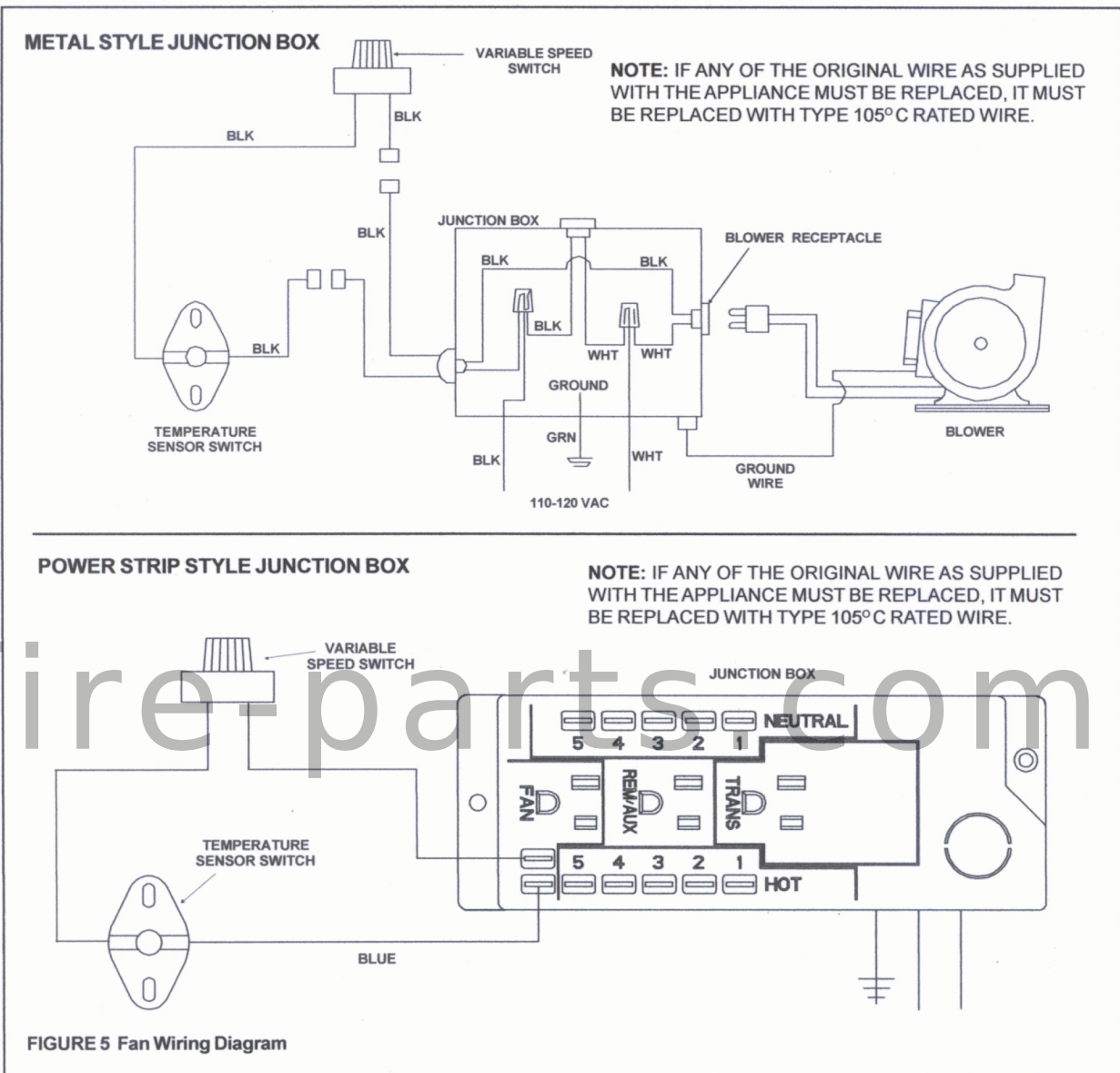


FIGURE 3

Rubber feet may need to be removed from bracket to install blower thorough front opening. If removed, put the feet back on after the blower is through front opening.



NOTE: THE SWITCH/BRACKET ASSEMBLY MUST BE INSTALLED SO THAT THE SENSOR SWITCH IS TOWARDS THE TOP OF THE UNIT.



5.0 RECOMMENDED OPERATING PROCEDURES

Ignite the fire in the fireplace with the variable speed control switch in the "ON" position. The fan will automatically turn on when the temperature sensor switch closes at approximately 120°F. Heated air should be delivered at the outlet grille. The fan will continue to operate after the fireplace is turned OFF until the sensor switch opens.

Various conditions (such as fireplace model, type of fireplace installation, outside air temperature vs. inside air temperature) can contribute to the length of the time the blower remains on after the fireplace is turned OFF. The blower can be turned off manually with the speed control switch.

WARNING: NEVER CONTACT BLOWER WHEEL (VANES) DURING BLOWER OPERATION.

6.0 MAINTENANCE

Periodically check the fireplace grilles and remove any dust, dirt or obstructions.

ATTENTION!



The thermodisc is set to turn on at approximately 120° F and will shut off at approximately 90° F.

NOTE: Blower will not start until thermodisc is heated to approximately 120° F.
The thermodisc has been factory tested.

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