

# INSTALLATION INSTRUCTIONS

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## **Model GFK4A & GFK21A Fan Kits**

**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.**

The GFK4A & GFK21A fan kits are designed to circulate room air through the appliance to enhance heat output. The fan kit operates on 120 VAC, 60 Hz power. This is available through a receptacle in the factory installed junction box. Plug cordset into outlet marked "auxiliary". The junction box is located in the controls compartment of the appliance.

Because the blower is thermally activated, when turned on, it will automatically start approximately 10 minutes after lighting the fireplace and will run for approximately 20-45 minutes after the fireplace has been turned off. Use of the fan increases the output of heat. **CAUTION: Drywall dust will penetrate into the blower bearings, causing irreparable damage. Care must be taken to prevent drywall dust from coming into contact with the blower or its compartment. Any damage resulting from this condition is not covered by the warranty policy.**

### **Installation Precautions**

The GFK4A & GFK21A fan kits are 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 ensure maximum benefit from, and safe operation of the fan.



### **WARNING**

#### **Shock Risk / Explosion Risk**

- DO NOT wire 110-120 VAC to gas control valve
- DO NOT wire 110-120 VAC to wall switch
  - Incorrect wiring will damage millivolt values
  - Incorrect wiring will override IPI safety lockout and may cause explosion

**NOTE:** This appliance must be electronically wired and grounded in accordance with local codes, or in the absence of local codes, with **National Electric Code ANSI/NFPA 70-latest edition** or the **Canadian Electric Code CSA C22.1**



### **CAUTION**

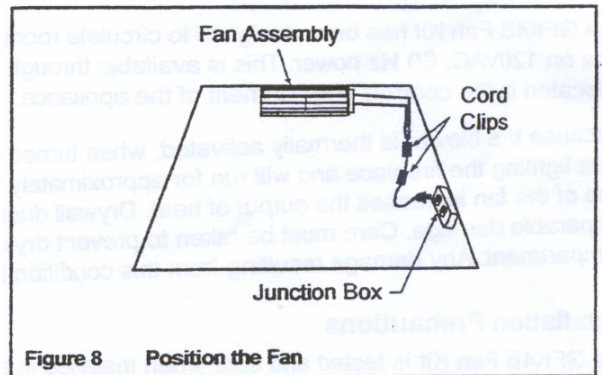
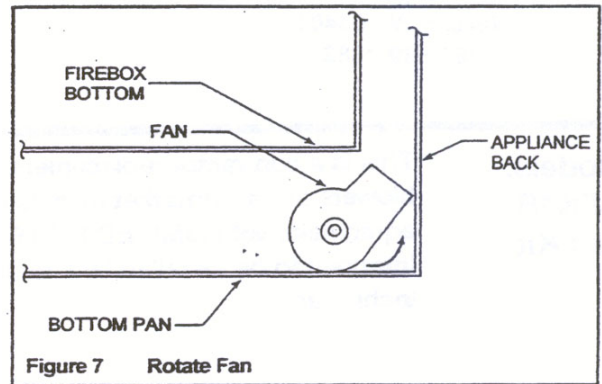
#### **Sharp Edges**

- Wear protective gloves and safety glasses during installation

### Install the Fan

Remove backing from the four (4) Velcro strips (two on the back and two on the bottom of the blower). Your blower may have magnets instead of Velcro. Position the fan all the way to the rear and center it in the appliance. Apply pressure to the areas that have Velcro to secure blower in place.

**Position the thermodisc with mounting bracket and magnet to the top of the blower compartment. Variable speed control mounts to the bottom pan (self-adhesive). Some models may allow for alternate mounting through front louver. Plug the cord into the receptacle labeled "AUX/REM" on the junction box (see Figure 8). The "FAN" outlet does not have constant power and is only used in OEM installations.**



## 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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