

# INSTALLATION INSTRUCTIONS

Fireplaceblowersonline.com  
1509 Rapids Drive • Racine, WI 53404  
262-989-4882 • 262-989-4883 • 262-633-2344 (fax)

## Models FBK-100 and FBK-200

**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.**

### GENERAL INFORMATION

These blower kits may be used with various models of fireplaces. The FBK-100 blower kit is used when wall-mounted ON/OFF blower switch is desired and the FBK-200 when wall-mounted variable speed blower control is desired. The blower is installed beneath the firebox. Room air is drawn in through the bottom area of the fireplace, heated as it passes across the firebox and discharged through the upper panel/louver area at the top of the fireplace. Kit FBK-100 contains one blower, two Velcro strips and these instructions. Kit FBK-200 contains one blower, one speed control switch, two Velcro strips and these instructions.

**Note:** Velcro strips are for use in Step 6D on Page 2 only.

See installation instructions on the following pages:  
Wood Fireplaces – See Pages 1-3  
D-Vent and B-Vent Fireplaces – See Pages 1-3  
Universal Vent Free Fireplaces – See Page 4

### INSTALLATION INSTRUCTION

**Note:** In Universal Vent-Free fireplace applications, refer to the installation instructions packaged with the fireplace for additional information.

**Step 1.** Turn off the fireplace and allow it to cool before proceeding.

**Step 2.** If the appliance is connected to 120 volt power, disconnect the power.

**Step 3.** If unit is a gas fireplace, shut off the gas supply to the fireplace.

**Step 4. Gas Fireplaces** – Open the lower panel (clean face models) or louver assembly (louvered models) by pushing in simultaneously the left and right side of the panel or louver assembly.

*On Merit Fireplaces*, remove the bottom panel or louvers by removing the screw at each end of the panel or louvers, retain the end spacers and then pull the panel or the louvers from the unit.

*On Elite-2 Fireplaces*, remove the bottom door (panel or louvers) by sliding the hinge pin, located at the door's left side, to the right until it disengages from the left corner post hold. Pull the door diagonally to the left away from the fireplace.

### Wood-Burning Fireplaces

*When equipped with a louver panel*, push the two fireplace opening screens toward the middle of the unit to expose the louver panel retaining screw at each end of the panel. Remove the retaining screws and then pull the panel from the unit.

*When equipped with a grille*, remove the bottom grille by lifting it up near its outer support rods. It must be lifted high enough to clear the support rod retaining holes located in the cabinet bottom flange. Then pull the bottom of the grille away from the fireplace and set the grille aside.

**Step 5.** Remove the modesty panel as follows: lift the modesty panel by the tab on the panel's right end, pull the right end of the panel away from cabinet and then pull the panel diagonally out of the corner post slots on the left side of the unit. Remove the modesty panel carefully so that none of the wires become loose or disconnected.

**Step 6. A-Gas Fireplaces – Front Open Direct Vent and B-Vent Units** – Slide the blower assembly through the front opening to the middle rear area of the cabinet base. Position the blower assembly so that the tabs (located on the cabinet base) are seated in the notches of the blower bracket. Then bend the tabs over to secure the blower assembly (**Figure 1**).

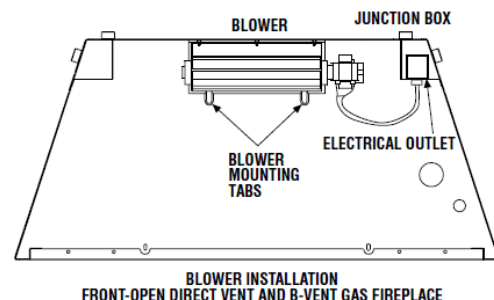


Figure 1

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE

**Step 6. B-Gas Fireplaces – Multi-Open Direct Vent Units** – Open all remaining bottom hinged-panels. Slide the blower assembly through the closed opening in the flue side of the cabinet base. Position the blower assembly so that the tabs (located on the cabinet base) are seated in the notches of the blower bracket. Bend the tabs over to secure the blower assembly (See **Figure 2 or 3**).

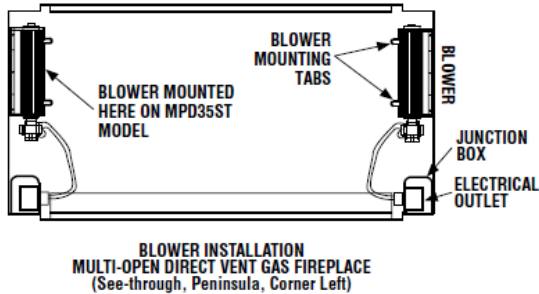


Figure 2

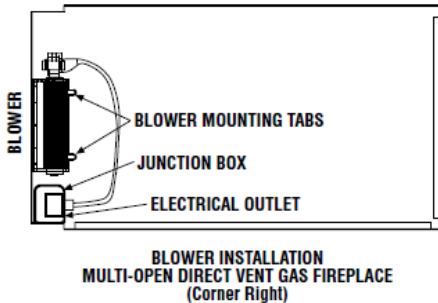


Figure 3

**Step 6. C-Gas Fireplaces – Multi-Open Vent Free Units** – Open all remaining bottom hinged panels. Remove the blower shield located across the inside right section of the unit (See **Figure 4**). Also refer to the installation instructions packaged with the fireplace for additional information on shield removal. Slide the blower assembly through the closest opening to the flue side of the cabinet base. Position the blower assembly so that the tabs (located on the cabinet base) are seated in the notches of the blower bracket. Bend the tabs over to secure the blower assembly. Reinstall the blower shield with the blower cord routed to the electrical outlet.

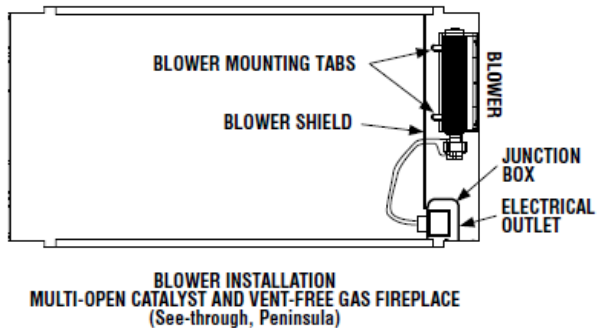


Figure 4

**Step 6. D-Wood-Burning Fireplaces (other than vent-free)** – Place the two mating halves of each of the two Velcro sections together. Peel the backing from one side of both of the mating pairs and stick the pairs to the back of the blower housing as shown in **Figure 5**.

Wipe the inside surface of the bottom of the unit of any excess oil or debris. Peel the backing from the other side of the two mated Velcro strips. Slide the blower assembly through the front opening of the unit (avoiding any contact between the sticky blower bottom and the cabinet). Position the blower assembly as shown in **Figure 6**, pressing firmly down on the blower in order to provide a positive blower to base attachment.

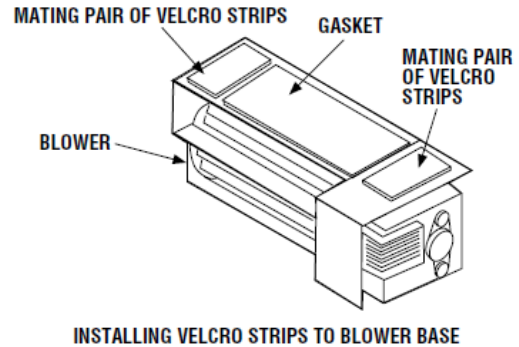


Figure 5

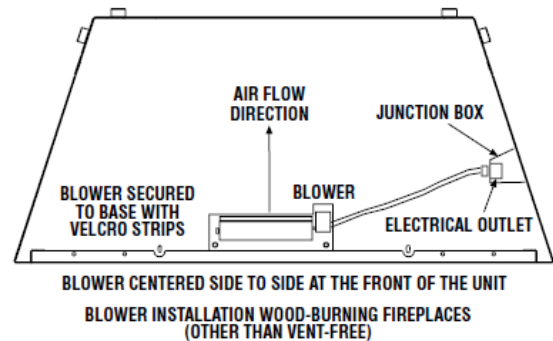


Figure 6

**Step 7.** Install the field-provided ON/OFF switch (FBK-100 kits) or the kit-provided variable speed control (FBK-200) in a convenient location on a wall near the fireplace.

**Step 8.** Route a 3-wire, 120Vac power line to the ON/OFF switch (FBK-100 kits) or variable speed control (FBK-200 kits) as shown in **Figure 7**. Then route the wires to the unit's junction box. Remove the receptacle by removing the two securing screws. Connect the supply wires to the receptacle as shown in **Figure 7**, ensuring that the polarity (as determined by the colors of the wires) are exactly as shown. Reinstall the receptacle.

**Step 9.** Plug the blower cord into the top receptacle.

**Step 10. Elite-2 Series Gas Fireplaces** – Reinstall the modesty panel. Reinstall the modesty panel carefully so that none of the wires become loose or disconnected.

**Step 11. Gas Fireplaces** – Reinstall the bottom panel or louver assembly.

**Wood-Burning Fireplaces** – Reinstall the bottom louver panel or grille.

**Step 12.** Restore the electrical power to the unit.

**Step 13.** Start the fireplace by following the procedures indicated in the lighting instructions section of the Homeowner’s Care and Operating Instructions manual supplied with the fireplace.

**Step 14.** Check the start up and shutdown and the running operation of the blower. If the variable speed control is being used, check its operation.

**IMPORTANT: Ground lead must be disconnected to the green screw located on the junction box. Failure to do so will prevent the appliance from operating.** The appliance must be electronically grounded in accordance with local codes or in the absence of local codes, the National Electrical Code, ANSI/NFPA 70 (latest edition). (In Canada, the current CSA C22-1 Canadian Electrical Code).

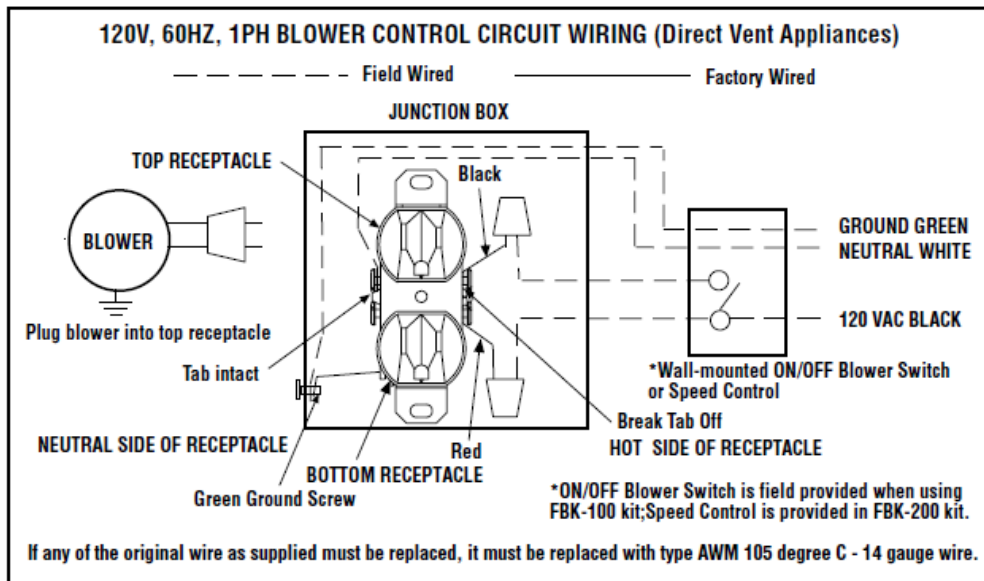


Figure 7

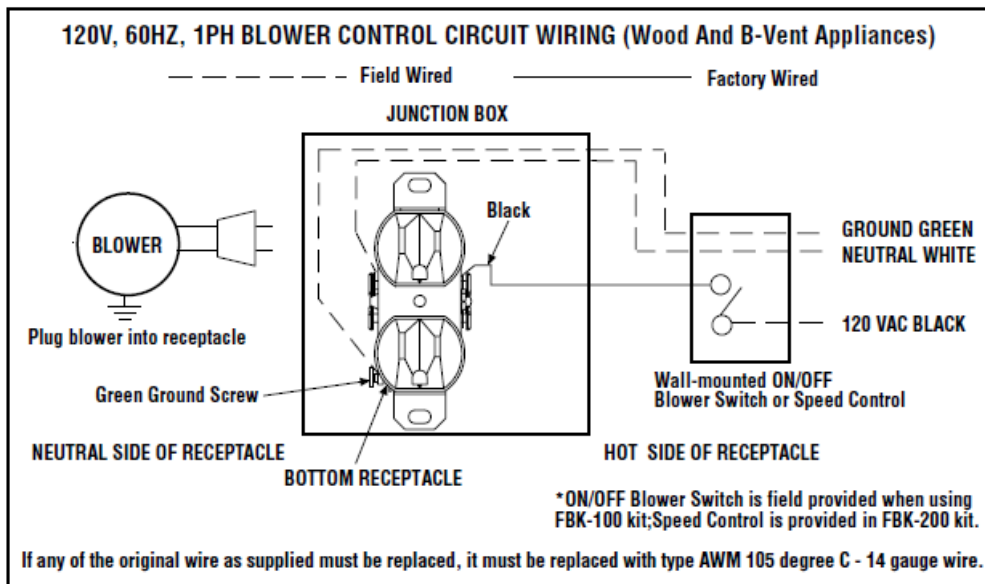


Figure 8

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE

**Universal Vent Free-Fireboxes  
Installation Instructions – FBK-100 or FBK-200  
Blower Kits  
JBK Junction Box Kit**

**Step 1.** Follow the instructions below for the model you are installing.

**Models UVFRC-4228, UVFRC-4228-H, UVFRC-3628 and UVFRC-3628-H** – Lift out the bottom refractory panel (See Figure 9).

**Models UVF-36** – Using a screwdriver, remove the screw from the blower access panel as shown in Figure 10. Slide the panel to the right until the flange clears the opening. Remove the panel and set aside.

**Step 2.** Remove the rectangular knock-out (for J-Box) on the right side of the unit. Install the junction box and electrical outlet below the firebox floor into the rectangular opening on the right side cabinet panel when you remove the knock-out (see Figures 11 & 12). The junction box/electrical kit are sold separately.

**Note:** Pass the wires through the hole, then squeeze the J-Box flanges together to fit into opening.

**Step 3.** Loosely tie a knot in the power cord to take up slack (See Figure 13).

**Step 4.** Locate the tabs shown in Figure 14. Position the blower assembly so that the tabs (located on the cabinet base) are seated in the notches of the blower bracket. Bend the tabs over to secure the blower assembly (See Figure 15).

**Step 5.** Plug blower power cord into the J-Box electrical outlet.

**Step 6.** Connect electrical outlet and switch wires to the power supply: 3-wire, 120 VAC, 60 Hz, 1 ph power supply (See Figure 8).

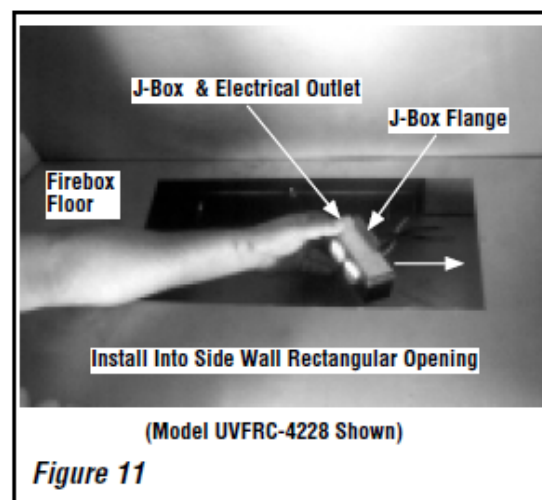
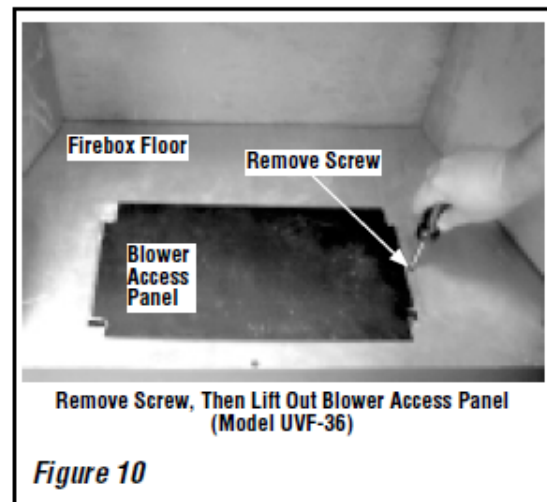
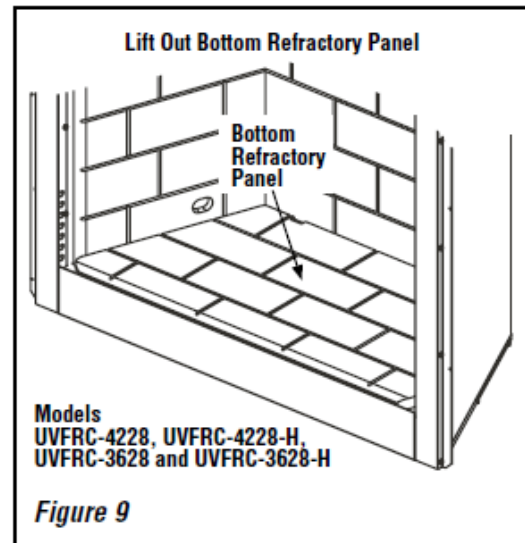
**FBK-100 Kits** – Install a field-provided (or P/N 85L87) ON/OFF wall switch in a convenient location on a wall near the fireplace.

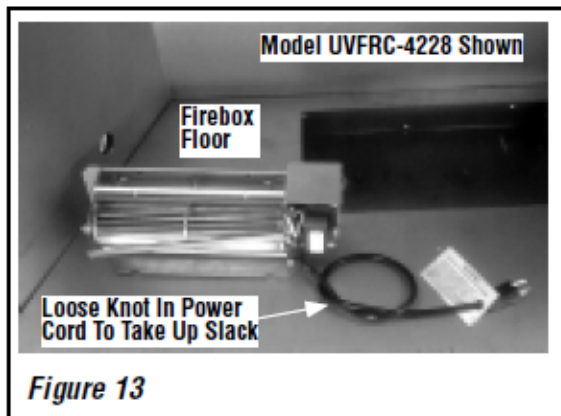
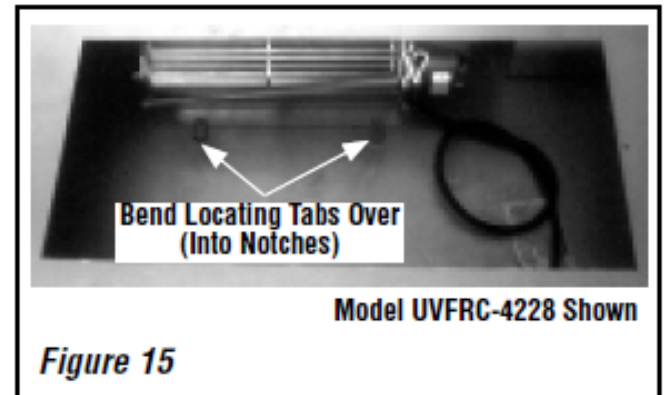
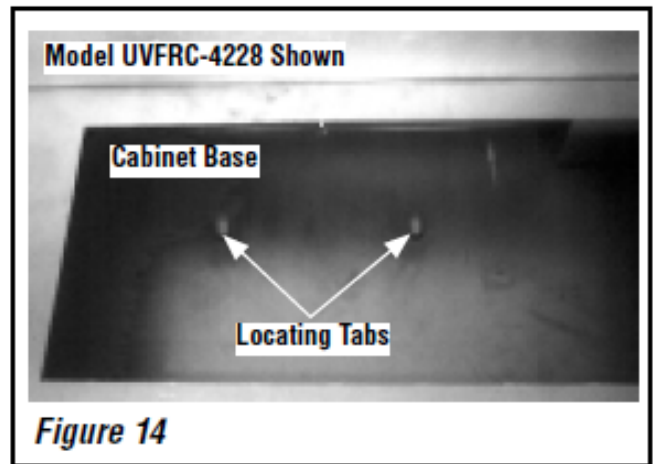
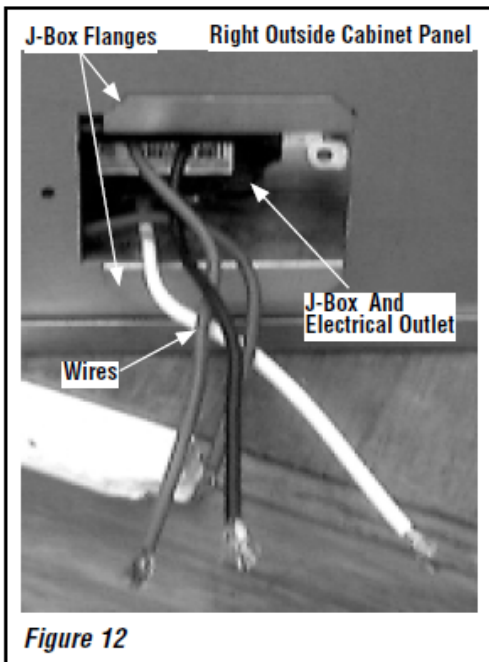
**FBK-200 Kits** – Install the kit-provided variable speed control (rheostat) in a convenient location on a wall near the fireplace.

**Step 7.** Follow the instructions that follow for the model you are installing

**Models UVFRC-4228, UVFRC-4228-H, UVFRC-3628 and UVRFC-3628-H:** Reinstall the bottom refractory panel that was removed on Step 1 (See Figure 9).

**Models UVF-36:** Reinstall the blower access panel that was removed on Step 1 (See Figure 10).





## 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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