

# MODEL BK3 FAN KIT INSTALLATION INSTRUCTIONS

## TRIPLE FAN BLOWER SYSTEM

FOR USE WITH DESA MODEL WOOD BURNING AND VENT FREE FIREBOXES

The model BK3 blower system (shown in figure 1) can be installed in any existing circulating model wood burning or unvented firebox having a prewired 120 VAC duplex power receptacle.

**CAUTION:** Turn off gas supply, disconnect electric circuit and allow appliance to fully cool down before performing this installation. Glass and refractory panels may be heavy for some individuals. If this is the case, please request help.

### ACCESSING BLOWER COMPARTMENT

1. Remove glass doors (if equipped) by following the instructions shown in Figure 2.
2. Remove front refractory access panel by lifting up and angling out through fireplace opening. See Figure 3.
3. Remove control cover panel.
4. Remove lower louver panel (if installed) by gently pushing out panel from inside mounting frame.
5. Remove knockout plug from lower louver panel. See Figure 3.
6. Place fan assembly with blades pointing towards rear of fireplace and in between two leg stands. See Figure 4.
7. Using 2 of the screws provided, fasten upper flange of blower bracket to hearth pan. Fasten end flanges to leg stands with remaining 4 screws. See Figure 4.

**NOTE:** Wire assembly must be arranged in front and away from the fan blades to reach power receptacle plug freely.

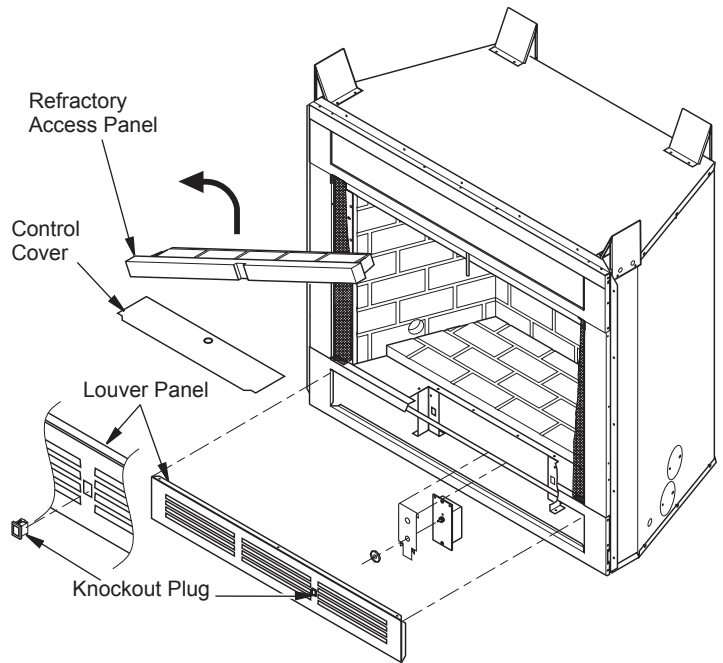


Figure 3 - Accessing Blower Compartment

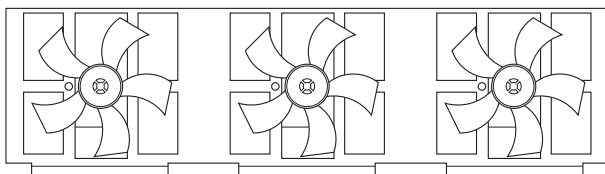


Figure 1 - BK3 Triple Fan Assembly

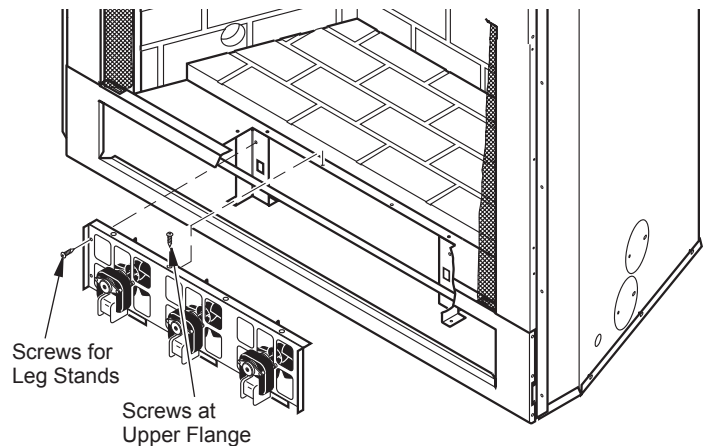


Figure 4 - Mounting Blower

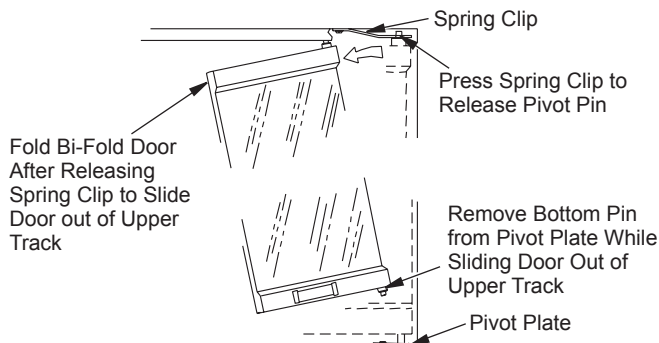
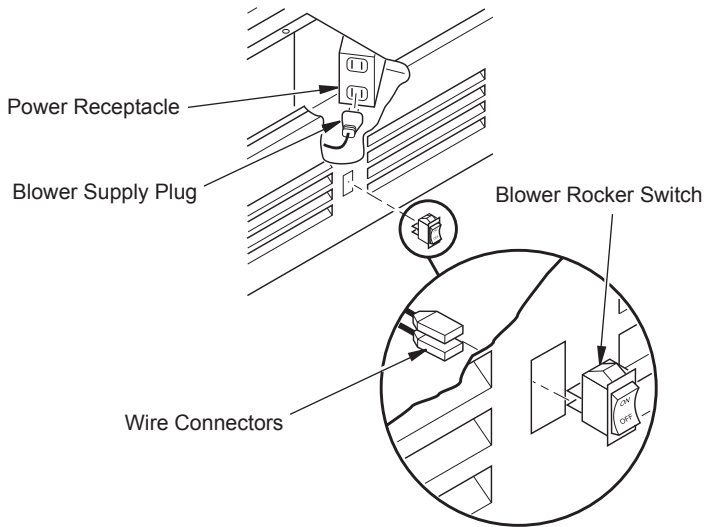


Figure 2 - Removing Glass Doors

## MOUNTING AND CONNECTING SWITCH

1. Remove 2 connectors from ON/OFF rocker switch located on wiring harness. See Figure 5.
2. Insert rocker switch into lower louver panel with switch lever pointing outward.
3. Reconnect previously removed wire connectors onto switch terminals.
4. Insert supply plug into one of the available power receptacles at the right side of compartment. See Figure 5.

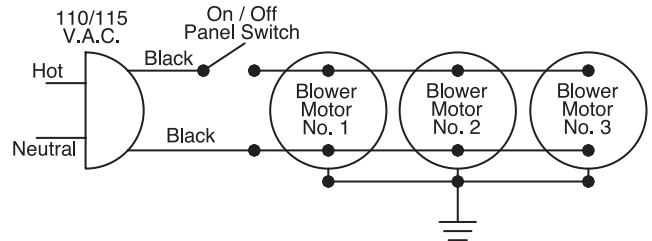
**IMPORTANT:** Be sure to inspect components and wiring for damage before restoring power to appliance. If damaged, contact an authorized dealer for original replacement part(s) or call DESA Heating, LLC at 1-866-872-6040 for referral.



**Figure 5 - Connecting Switch and Supply Plug**

## COMPLETING INSTALLATION

1. Reinstall louver panel (if equipped) into framed opening with louvers pointing upward.
2. Apply wiring diagram label (shown in Figure 6) to control cover and replace cover back over compartment opening.
3. Reinstall front refractory panel and glass doors in reverse order shown in Figure 2, page 1.
4. To operate, turn rocker switch to the ON position.



**Figure 6 – Wiring Diagram**