

# Technical Data Sheet

## Clydesdale Model 8490 Accessory Blower Installation Assembly 94-57900

**Publish Date: 7/29/2004**

### **ASSEMBLY CONTENTS:**

- (1) Blower Assembly with Housing
- (6) 10-24 X 3/8" Screws (#4500-3436)
- (1) Plug in Speed Control
- (2) Power Cord Support Loops

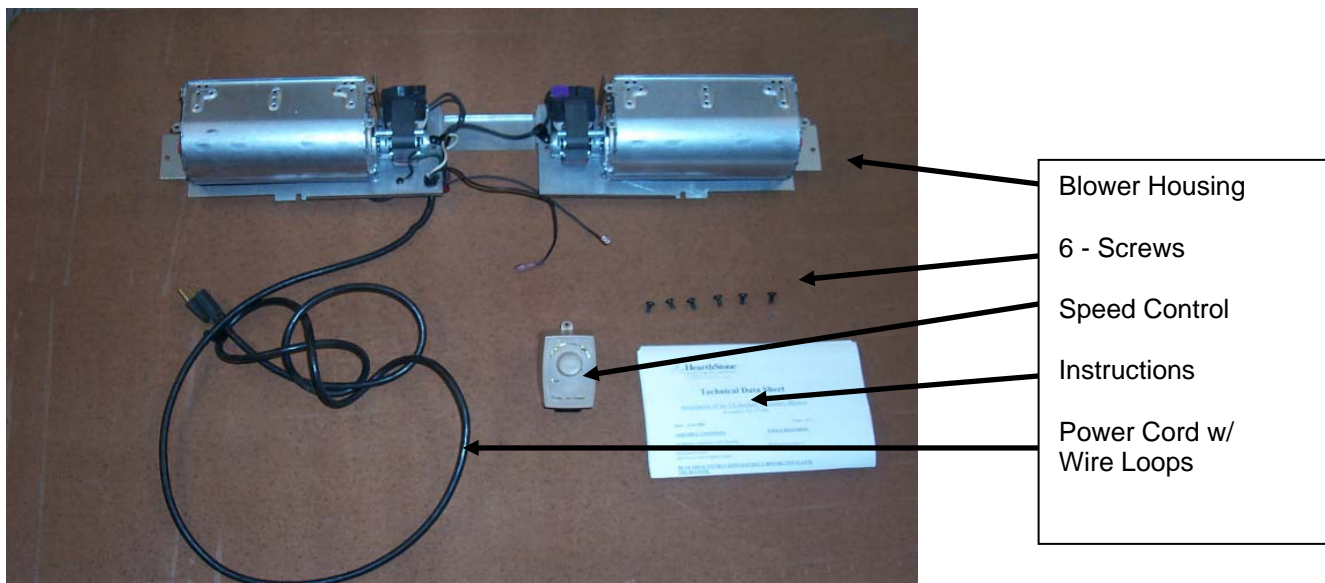
### **TOOLS REQUIRED:**

Cross-tip Screwdriver

### **READ THESE INSTRUCTIONS ENTIRELY BEFORE INSTALLING THE BLOWER.**

**IMPORTANT NOTE:** Use this blower only with the products intended and which have markings to indicate such use. The blower will force air under the stove and up through the convection chamber that is formed between the back of the stove and the sheet metal covers (already installed). The opening at the top front of the stove directs the heated air out into the room.

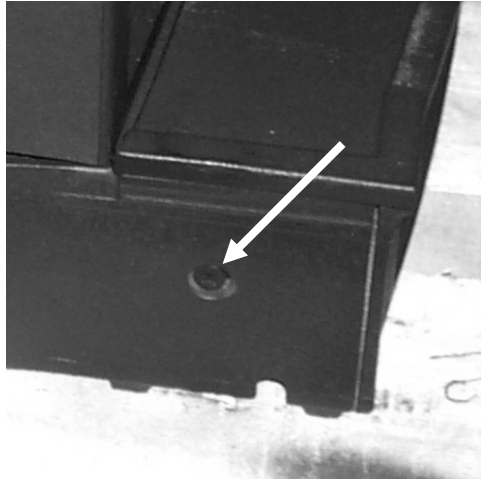
**ELECTRICAL GROUNDING INSTRUCTIONS:** This blower is equipped with a three-pronged (grounding) plug for your protection against shock hazard. Plug into a properly grounded three-prong receptacle only. Do not cut or remove the grounding prong from the plug.



## **INSTALLATION PROCEDURE:**

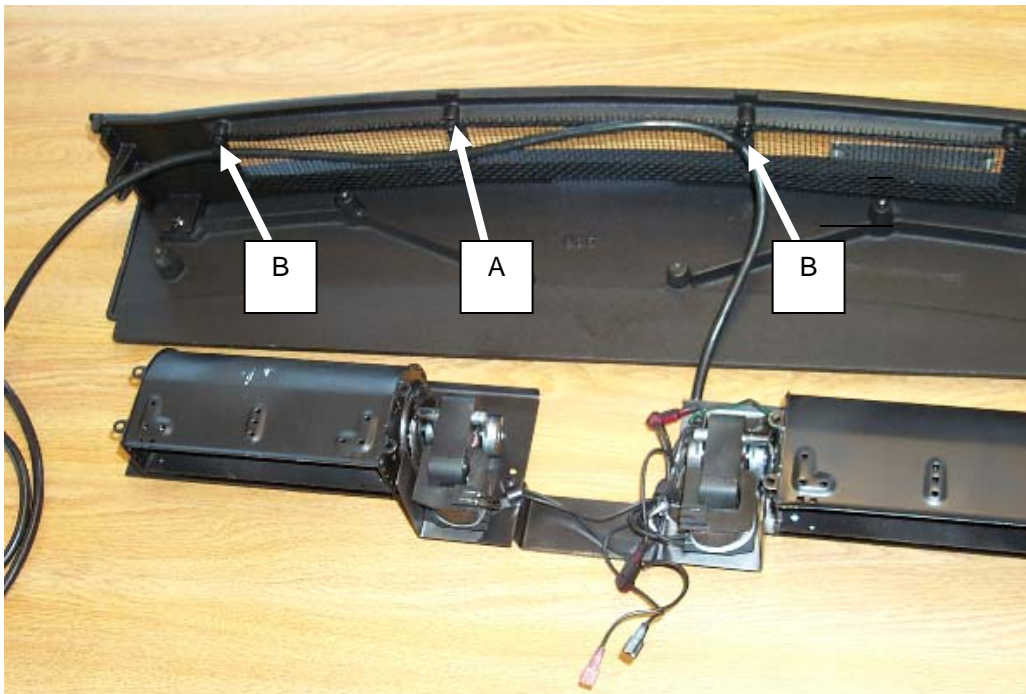
***Disconnect the BLOWER from any source of power when installing, removing, or servicing it in any way. Only work on a cold stove.***

1. The blower is attached underneath the ash lip assembly. To gain access to the underside of the ash lip it is necessary to remove the ash lip assembly from the stove. Locate the Flat Head Cross-tip screws on the left and right side of the ash lip housing panels. Loosen, but **do not remove**, the screws (two full turns is sufficient). With the screws loose, it is now possible to remove the ash lip assembly. Pull the ash lip away from the insert.



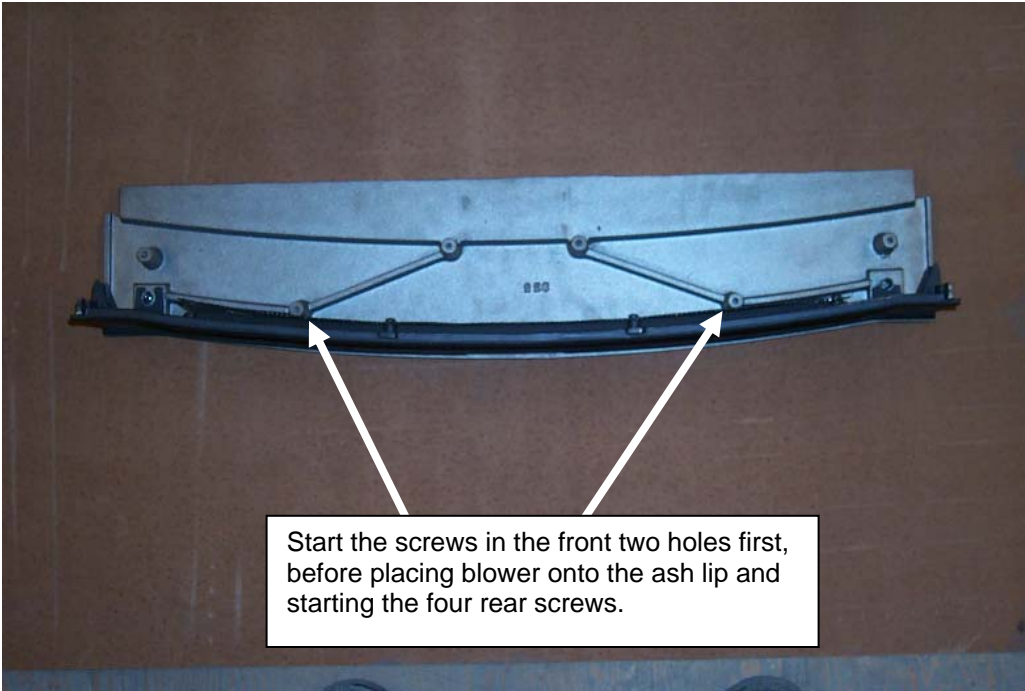
**Photo #1**  
Ash Lip Retaining Bolts – One on each side of the ash lip.

2. Now turn the ash lip upside down with the front screen facing you. Determine on which side the power cord will exit the ash lip (photo #2). Use the provided wire loops to hold the power cord in place (see photo #2). Unscrew two of the screws holding the screen inside the ash lip on the side where the power cord exits, place the wire loops in position as shown. Secure the wire loops and screen with the screws.

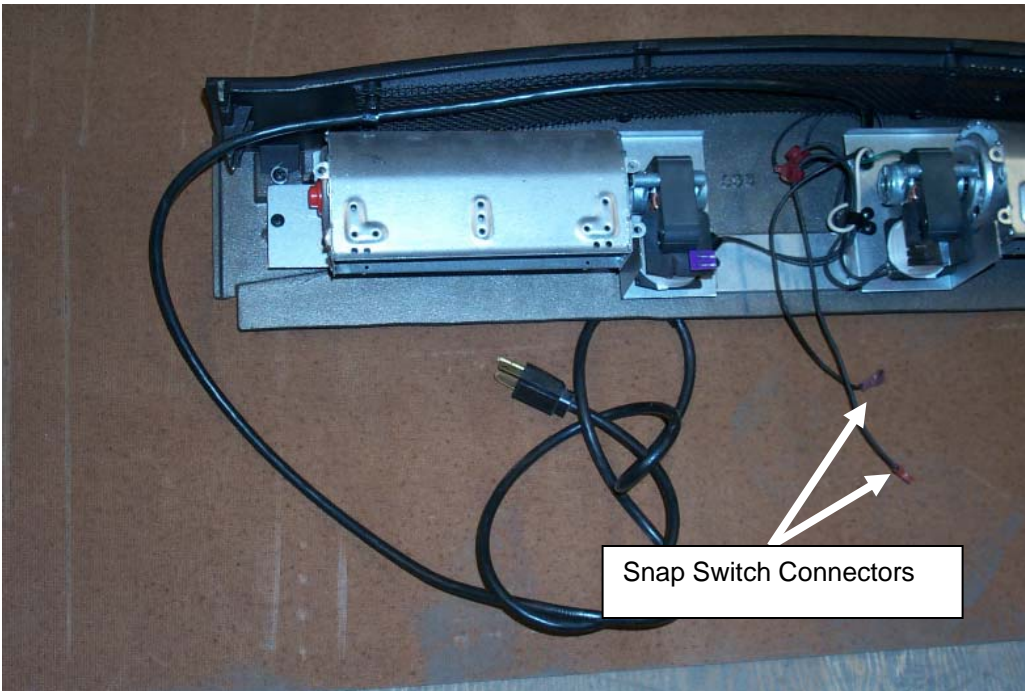


**Photo #2**  
A: Screw Holding Screen  
B: Wire Loops & Power Cord.  
Arrows show placement of wire loops.

3. With the ash lip upside down, start the two screws closest to you in the ash lip. Slide the slotted notches on the blower housing under the two partially started screws. Leave the screws loose; line up the other four holes in the housing with the holes on the ash lip. Insert the remaining four screws and tighten all the screws (see photos 3 and 4).



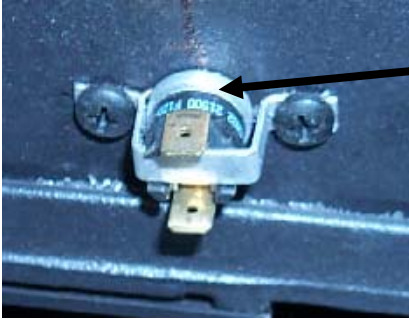
**Photo #3**  
Ash Lip Bolt  
Pattern



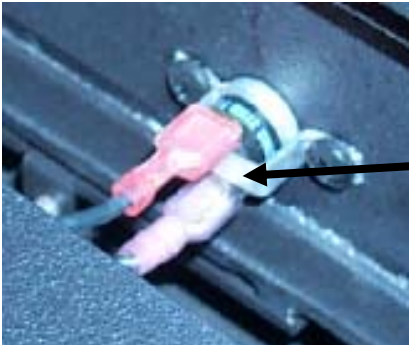
**Photo #4**  
Blower is  
mounted to  
the ash lip.

4. Rotate the ash lip right side up and place it in front of the firebox. Position it close enough to the stove to allow connection of the snap switch connectors to the snap switch on the front of the firebox (see photos #5 & #6). Make this connection.





**Photo #5**  
Snap Switch – already installed on the outside face of the firebox.



**Photo #6**  
Female connectors from blower attach to the spade connectors on the snap switch. Connector placement does not matter.

- 5. Thread the power cord out the side of the ash lip and through the notch on the side casting on the firebox provided for this function (see photo #7).



**Photo #7**  
Pass the power cord through the notch in the side casting still mounted to the firebox before pushing the ash lip fully back onto the stove.

Your hearth's surface may make it necessary to jack up the firebox to allow the power cord to pass under the ash lip. Turn the leveling screw to raise the firebox slightly if necessary.

- 6. Carefully push the ash lip back into its original position on the stove, and secure by tightening the two cross-tip screws previously loosened in step one.
- 7. Plug power cord into the speed control provided with the kit and then plug the speed control into a grounded, 120v, 60-cycle 3-prong receptacle.

## **BLOWER OPERATION:**

The blower activates when the snap switch heats up (about 120 degrees F). It will take several minutes for the heat of the stove to reach the temperature required to activate the snap switch. A rheostat is used to control the blower fan speed. The rheostat knob is located on the speed control housing that you plugged into the wall outlet. Turn the knob clockwise to turn the blower on. When the knob clicks, the fan is in the on position and on the highest speed setting. To reduce fan speed, continue to turn the knob clockwise as desired. When fully turned clockwise, the fan speed is reduced to its lowest setting. If the fan does not operate at the lowest setting, the rheostat requires adjustment. Contact your dealer for rheostat adjustment. To turn the blower off, turn the knob fully counterclockwise until it clicks into the off setting.