

Technical Data Sheet

Installation of the Morgan 8470 Accessory Blower Assembly 94-57701

Publish Date: 8/10/2006

ASSEMBLY CONTENTS:

- (1) Blower Assembly with Housing
- (6) 10-24 X 3/8" Screws - (4500-3436)
- (4) 1/4-20 X 1/4" Screws - (4500-0540)
- (1) Speed Control - (90-99010)
- (2) Power Cord Support Loops - (7000-121)
- (1) Snap Switch Bracket - (5870-022)
- (1) Snap Switch - (7000-301)

TOOLS REQUIRED:

- Phillips Screw Driver
- Power Drill
- #25 Drill Bit
- 10-24 Tap

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 forces air under the insert and up through the convection chambers that are formed between the back of the insert and the sheet metal covers (already installed). The opening at the top front of the insert directs the heated air out and back into the room.

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



Photo #1
Blower Components:
Fan & Housing,
Speed Control, Snap
Switch & Bracket,
Cord Loops (2), 10-
24 Screws (6), and
1/4" Screws (4)

INSTALLATION PROCEDURE:

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

1. The blower attaches to the underside of the ash lip assembly. To gain access to the underside of the ash lip it is necessary to remove the ash lip assembly. **Before removing the ash lip assembly, move the air control lever fully to the right.** On the right and left side of the ash lip housing panels, locate the flat head Phillips screws. With a Phillips screwdriver, 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. Place the ash lip upside down on a surface that will not scratch the top surface of the ash lip.

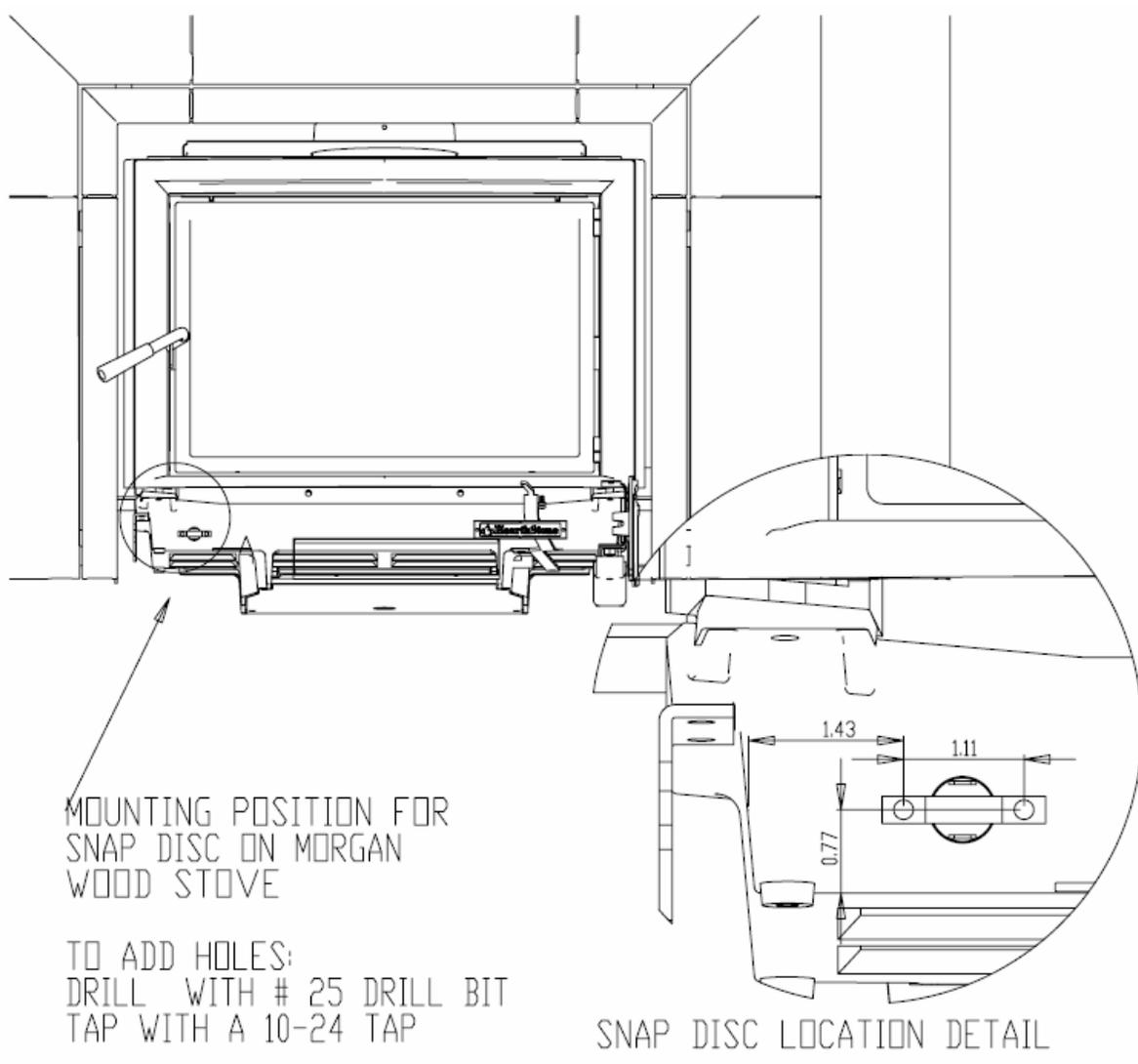
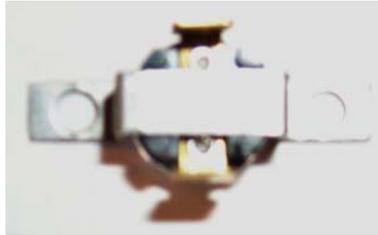


Illustration #1
Installation of the snap switch and snap switch bracket.
Morgan shown with ash lip and façade removed

- Using Illustration #1 as a guide, install the snap switch and snap switch bracket onto the front of the firebox. Use the bracket as a guide to mark the location of the bracket. Drill through your marks with the #25 drill bit. Hold the snap switch between these holes with the connector tabs out, facing you in a top and bottom orientation (See Photo #2). Place the bracket over the snap switch and secure both pieces by turning in the two of the 10-24 Phillips screws. Tighten with the Phillips screwdriver.

Photo #2
Snap Switch and bracket
in proper orientation



- Place the ash lip upside down and install the fan and housing as shown in Photo 3 and 4.

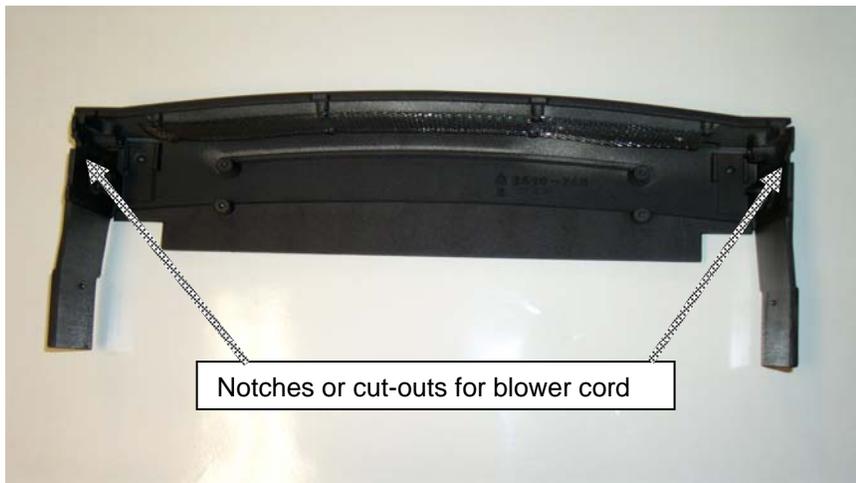


Photo #3
The removed ash lip housing,
shown upside down.



Photo #4
The ash lip housing with the
blower in place.

4. Line the four holes in the blower assembly up with the threaded posts on the ash lip. Use the 10-24x3/8 or 1/4-20x 3/8 screws included in the kit to attach the blower to the ash lip. **Take care not to damage the fan blade when installing the screws.** (The ash lip will have either 10-24 or 1/4-20 tapped holes- you may discard the four screws that you do not use.)
5. Routing of the power cord: Note the notch or cut-out for the power cord in the cast side panel (see photo 3) - use this to rout the cord out and under the ash lip assembly. If routing the power cord to the right of the stove, place the cord in the space between the front grill and the blower and over to the side panel presently on your left (do not rout it any other way). Remove the two screen screws on the left as viewed, and use the provided loops to support the cord and keep it in place. **Do not pinch or stretch the power cord!** This could damage the wire's insulation and could result in an injury.
6. Turn the ash lip assembly over. Place the lip close enough to the front of the firebox to allow you to carefully push the wire connectors onto the terminals on the snap switch. **Ensure the air control handle is still fully to the right,** place the ash lip housing back into position on the stove. Note the position of the guide cut outs on the mounting hardware. Guide the air control through the slot. Position the ash lip assembly and tighten the side screws with the screwdriver.
7. Plug power cord into the speed control provided with the kit and then plug the speed control into a grounded, 120 volt, 60-cycle 3-prong receptacle.

BLOWER OPERATION: The blower is activated when the snap switch heats up to about 120 degrees F, and will continue to run until the stove body cools to about 105 degree F. It takes several minutes for the body of the stove to warm up sufficiently to activate the snap switch. A manual rheostat controls the blower fan speed. The rheostat knob is located on the speed control housing. Turn the knob clockwise to turn the blower on. When the knob clicks, the fan is in the on position, and at the highest speed setting. Continue to turn the knob clockwise to reduce the fan speed as desired, or until it reaches its lowest speed 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.