

## **Progress Hybrid Bottom Heat Shield Installation**

Please read all of the instructions before you begin the procedure. Confirm that you have all the necessary tools and parts required. If you have any questions, technical support is available toll free at 1-800-866-4344, Monday – Saturday 9:00- 5:00, ET.

### **Tools Needed:**

- 7/16" wrench
- 1/8" allen wrench
- A work light is helpful

### **Materials Needed:**

- Cast iron fill plate
- Retainer plate (shield #1)
- Upper heat shield (shield #2)
- Lower heat shield (shield #3)
- (4) 1/4-20 x 1 3/4" threaded studs
- (8) 1/4-20 x 1/2" bolts
- (12) 1/4-20 hex nuts
- (4) 1/4-20 x 1/2" threaded studs (for positioning shield #1)

There are a total of 3 separate shields to be installed using a lot of hardware. We understand that you will be working in an awkward position so please be patient and allow about an hour to complete the installation. All of the photos have the top of the photo as the front of the stove.

1. Insert the 4 1/4-20 x 1/2" studs into the 4 outermost holes of the fill plate. 1 or 2 threads is all that's necessary.



2. Insert the cast iron fill plate into the bottom of the firebox (through the loading door) with the 6 threaded holes facing down. The fill plate is symmetrical so there is no specific orientation other than to make sure it is resting squarely on the gasket.



3. Insert the 4  $\frac{1}{4}$ -20 x 1  $\frac{3}{4}$ " long threaded studs into the front and rear holes on the bottom of the stove's base. Snug them up with a  $\frac{1}{8}$ " allen wrench.



- Each of the 3 shields is marked as to which side faces up (UP) and which side faces the front of the stove (arrow). Place the #1 shield on the four threaded studs. Manipulate the shield until the four positioning studs poke through the shield. Lock it loosely in place using 1  $\frac{1}{4}$ -20 nut on each stud. You will now need to connect the #1 shield to the bottom fill plate and base using 8  $\frac{1}{4}$ -20 x  $\frac{1}{2}$ " bolts . Insert the 2 end bolts first. One at a time, remove the positioning studs and replace with the  $\frac{1}{2}$ " bolt. Start all of the bolts before tightening. Snug the bolts up with a  $\frac{7}{16}$ " wrench until you feel some resistance. Now you can tighten up the spacer nuts on the 4 threaded studs.



- Place the #2 shield on the four threaded studs, paying attention to its orientation (UP and arrow). Turn a  $\frac{1}{4}$ -20 nut on to each stud leaving approximately  $\frac{1}{4}$ " of stud (5-6 threads) exposed below the nut.



6. Place the #3 shield on the four threaded studs, paying attention to it's orientation (UP and arrow). Turn a 1/4-20 nut on to each stud just enough to hold the shield in place.



7. Take a well deserved break because you are done!

**We need your help!** Woodstock Soapstone Co. takes pride in providing the highest quality products as well as the best customer service in our industry. We welcome your suggestions and input to help us achieve these goals. If you have any comments to improve our products, service, and information provided in these instructions please contact us at (800) 866-4344 or [info@woodstove.com](mailto:info@woodstove.com). Thank you.

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