

# Blaze King Classic ByPass

## Replacement Instructions

Covers Kit(s) Z4462E (PE1006) and/or Z4565C (KE1007)

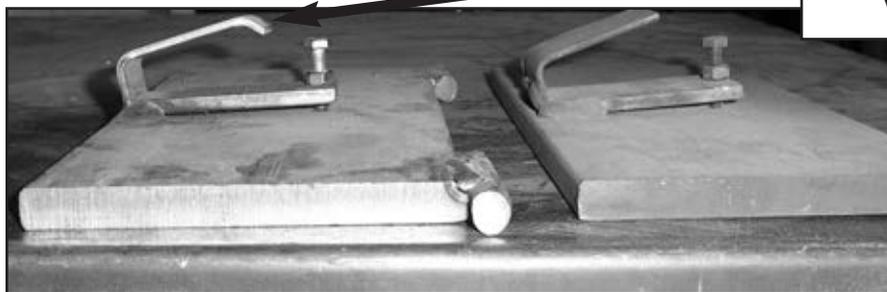
**First:** Please accept our apologies for this inconvenience.

**Second:** Review the contents of this package, which should include:

- a. A prescribed amount of combustor gasket & masking tape
- b. Redesigned bypass plate
- c. Two stainless retainer clips

**Third:** Make certain the stove is not burning and is at room temperature.

**The Problem:** Compare these two bypass plates from a Classic wood stove. You will notice the bypass plate on the left has an extended ramp with downward angle. This will prevent the bypass rod from over-travelling which results in the bypass plate becoming disengaged.



Downward bend on ramp to prevent over travel by rod

### **The Fix:**

Remove the old bypass plate and replace with new plate included in this kit. This requires the pipe to be lifted up and off the



Although this photo shows a new style bypass plate installed, the old style (short ramp) will be in this position when you lift the pipe off the top of the stove. You will find it necessary to move the bypass rod to make removal easier. This can be done by moving the bypass handle on the side of the stove.

stove to gain access through the top of the stove.



Remove the flame shield from the stainless retainer clips. This can be done through the front loading door. Pay particular attention to the direction the flame shield was installed as there is a correct way to install the unit. The side triangles must point towards the rear of the stove. No tools are required for this process.

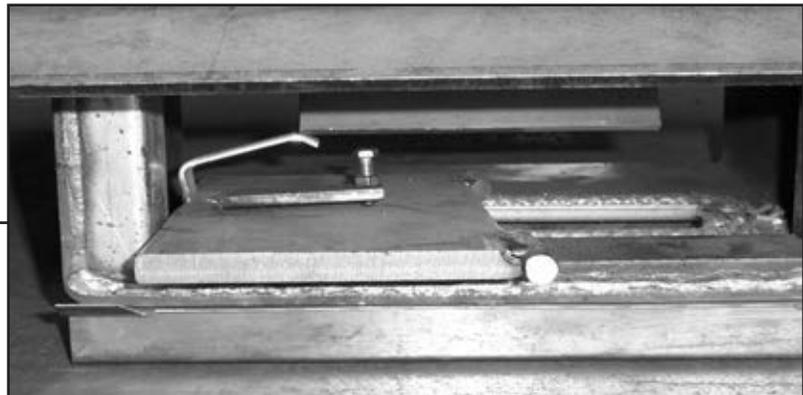


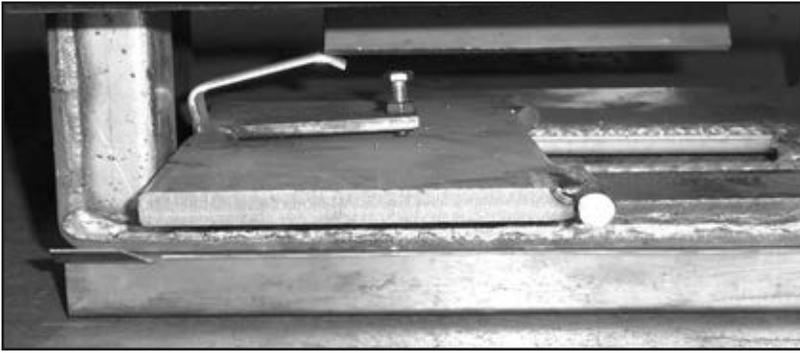
Remove the catalyst very carefully. The best method is to use two small flat head screw drivers and gently pry the combustor forward. Make certain the blade of the screwdrivers are between the stainless steel band and the stove housing. Once pried forward 1/4", then grip each side of the combustor and gently remove. Set the combustor to the side in a safe place.



To remove the bypass plate, the plate must be in the position as shown to the left. This can be achieved by moving the bypass rod out of the way and lift one end of the bypass plate for clearance to turn inside the top assembly. Once the bypass plate is in this position, remove the plate through the combustor area. For purposes of clarity, the picture to the left is of the top assembly.

← Front Of Stove



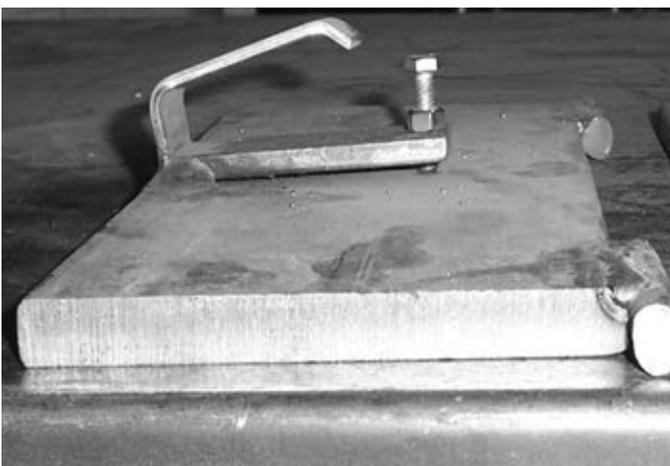


Install the new bypass plate using the the same procedure as detailed for the removal, in reverse order. When properly installed, the bypass plate and rod should appear as in the photo below.

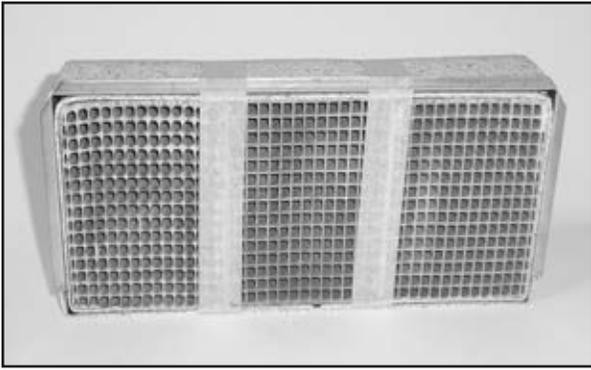


With the new bypass plate installed, it is time to reinstall the combustor. With this replacement kit we have supplied two stainless brackets that need to be installed to each side of the combustor opening. This is shown in the picture below. There are no tools required and each bracket should fit snugly to each side.

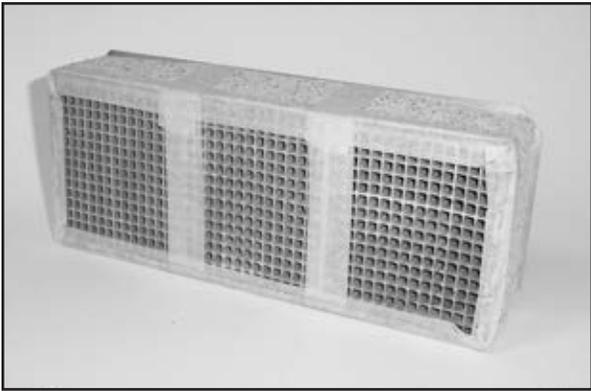
The photo below to the left shows the installation of the brackets. When properly installed, the dog ear portion of the bracket will sit on top of the by pass plate hinge rods on each side. This will help prevent the bypass plate from becoming dislodged in the future. The photo below to the right shows both stainless steel brackets properly installed. Now just reinstall the catalytic combustor and rehang the flame shield.



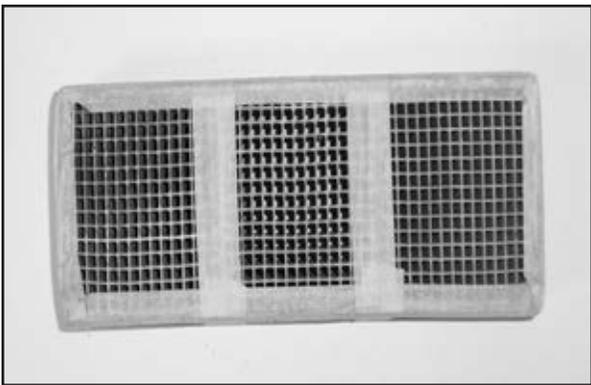
Prior to lowering the pipe, you will need to adjust the bypass ramp bolt. Using a 7/16" box wrench, tighten the bolt until the bypass handle, when closed, has a slight cam-over feel. Do not over tighten. Then secure bolt adjustment by tightening the 7/16" nut against the ramp as seen in the photo to the left. Now work the bypass handle several times to make certain the bypass operation is smooth and working properly. When you are satisfied with the operation of the bypass, please lower the venting. Proceed to the final step, reinstalling the catalytic combustor.



Then, with the supplied length of combustor gasket, please wrap the gasket around the combustor. A small amount of 1" masking tape will hold the gasket in place during installation. Review the photos on this page for the proper method to wrap combustors.



Two straps of 1" masking tape around the front and rear of combustor, will help hold the unit more securely during reinstalling.



Note how all corners are wrapped and the leading edge of the gasket itself has been taped to help reduce the chances of the gasket from becoming snagged or rolled-over as the combustor is reinstalled.