

Blaze King Classic Thermostat Replacement Instructions

Keep in mind that if your KE or PE is equipped with fans, the replacement process can be made easier by fan removal. This requires a Robertson bit screwdriver (square drive). You may also wish to have a small tube of high temperature silicone handy prior to beginning this procedure.



Fan removal requires the removal of one screw located on the bottom side of each fan. After removing the screw, simply pull the lower half of the fan away from the rear of the stove. Please note top of fan assembly position for re-installation later.

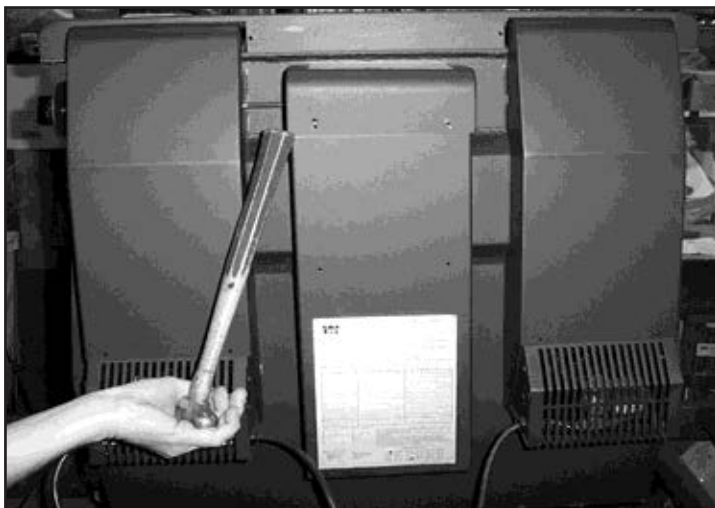
Next, using a Robertson bit screwdriver, remove the two screws securing the main air tube lid.



In the photo to the left, you can see one fan and the main air tube lid have been removed. If the main air tube lid does not lift off easily, it may become necessary to use the end of a hammer handle to break loose the main air tube lid. This is the result of some adhesion to the bead of high temperature silicone used to seal the thermostat body to the stove. PLEASE NOTE THE SMALL BEAD OF HIGH TEMPERATURE SILICONE USED AT THE TIME OF MANUFACTURING. APPLY ONLY A SMALL BEAD WHEN REINSTALLING THE NEW THERMOSTAT.

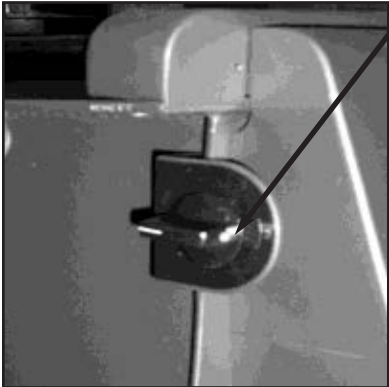
The use of a hammer handle end can help break loose the main air tube lid. Alternate between the two corners so as to remove the lid evenly.

Be gentle and take your time so as to not damage the main air tube lid.

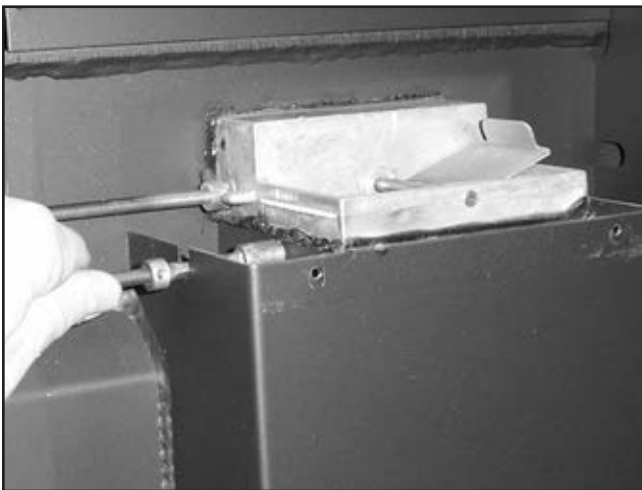




Next, remove the thermostat knob. This will require an 5/64" allen wrench. **IF YOU ARE REPLACING THE THERMOSTAT WITH AN ENTIRELY NEW UNIT DISREGARD THE FOLLOWING TEXT IN THIS STEP ONLY.** If you will be reinstalling the same thermostat in your stove after having it serviced, note the location of the white line on the thermostat knob. Then using a marker pen, place an alignment mark on the thermostat rod. This mark will ensure that during the reinstallation proper alignment will be maintained. Slide knob off (Reference mark) end of thermostat rod.



Close up view of location of thermostat knob set screw. Using a 5/64" allen wrench remove this set screw. Gently slide the knob of the thermostat shaft. Do not pry on the knob to "break loose". You can simply turn the knob in either direction as you pull to remove the thermostat control knob.



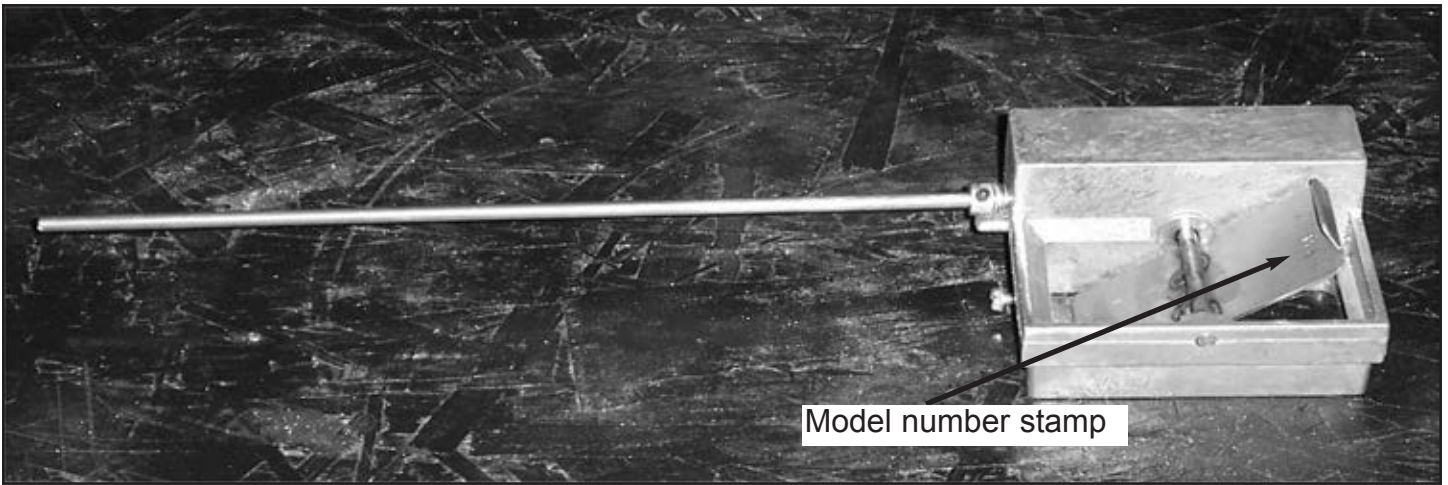
There are two 5/16" hex head screws securing the thermostat body to the stove. Located on each side of the thermostat body, remove both screws. A utility knife will be helpful in removing an high temp silicone used during the factory installation of the thermostat.

We have found the use of a 5/64" nut driver works well for this procedure.

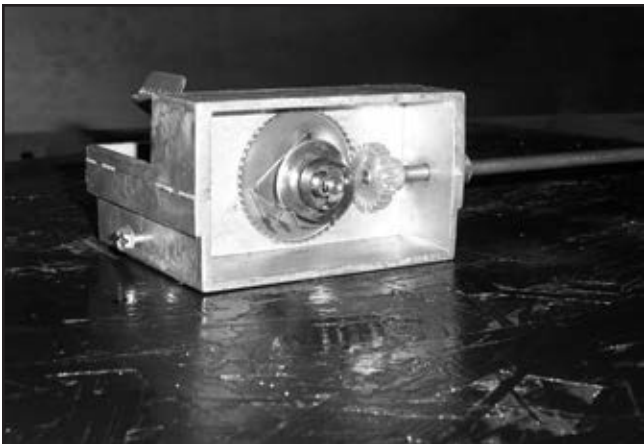


After removing both screws and having removed the high temperature silicone, gently pry the thermostat body from the stove. As the thermostat body begins to clear the housing, gently pull the unit away from the stove so the thermostat rod will not bind in the thermostat rod bracket.

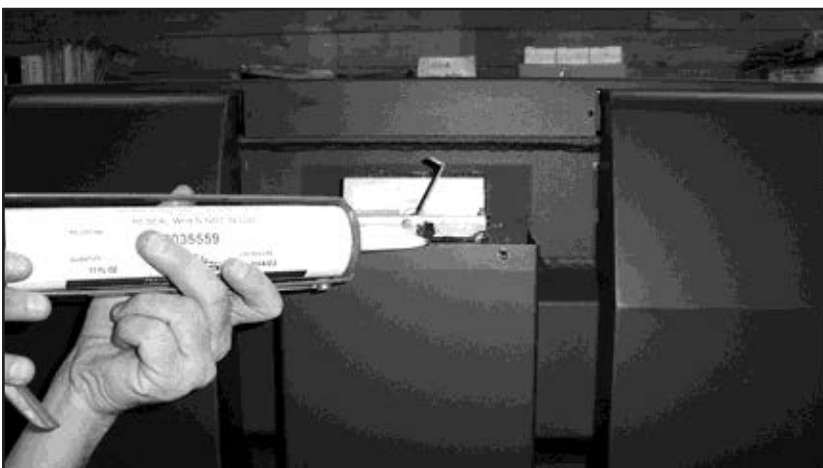
Thermostat rod bracket.



Remove replacement thermostat assembly from packaging. Inspect the unit to make certain it looks the same as the unit you have just removed. The proper model number should either be written on or stamped on the thermostat blade. Although the thermostat bodies may look identical and fit into the stove itself, use of any thermostat other than the correct model can result in hazardous operation or poor performance. Each thermostat is calibrated to a specific stove model.



As seen in the photo to the left, there are moving parts in the thermostat body. These parts can be lubricated with either a dry graphite lubricant or other such lubricant. We do not recommend using any oil based lubricants which could give-off unpleasant odors during use of the stove. Under no circumstance should any adjustments be made to the set collars or other components of the thermostat. The appropriate calibrations were made at the factory.



After replacing the thermostat, apply a small bead of high temperature silicone around the thermostat body. Doing so will reduce any potential air leaks. Do not place the main air tube lid on this time. Final adjustments need to be made and allowing time for the silicone to dry (30-60 minutes depending upon material & instructions).



Using your hand, turn the thermostat rod until the flapper reaches the widest (open) position as shown in the photo to the left. **DO NOT FORCE THE ROD TO TURN.**

Next, place the thermostat knob on the end of the thermostat rod and make certain the white indicator line is pointing at the hottest setting on your thermostat bracket decal. Tighten the set screw using the 5/64" allen wrench used earlier. Now turn the thermostat knob back and forth to make certain the travel is smooth.

BEFORE REPLACING THE MAIN AIR TUBE, THE FLAPPER MUST BE IN THE CLOSED (DOWN) POSITION. FAILURE TO DO SO COULD LOCK THE FLAPPER IN THE WIDE OPEN POSITION, POSSIBLY RESULTING IN A RUN AWAY FIRE.

Should you have any concerns when installing the new thermostat, you may contact us at the numbers below or visit with your Blaze King dealer.

In the USA call 509-522-2730

In Canada call 250-493-7444