

# Pellet Burner Operating Instructions

Install Pellet Burner as per instructions on other side.

Pull control rod bolt forward to close shuttle. Remove lid and fill hopper. Make sure lid is put back on all the way so it is sealed. It is important that hopper is sealed from air leaks because fire will follow the air supply. Damper on door of stove should be completely shut; all combustion air must come from Pellet Burner. Stove pipe damper if used, should be wide open.

Push open shuttle control rod bolt until full open. Squirt ½ oz. or so of lighting fluid into lighting hole on side of burner, hold a match or lighter under lighting hole allowing flame to be sucked into pellet burner until fluid is lit. Once pellets are lit, it will take about 5 minutes for pellets to burn at regular operating temperature. After pellets are burning good you can adjust the burn rate to suit your needs by pulling on the control rod bolt. Even ¼" will make a noticeable difference, ¾" is about as far as you should go to maintain pellet flow. Pulling the shuttle all the way shut will close off pellets and air flow and will turn Pellet Burner "OFF". Cycle shuttle open and closed twice to remove burning pellets and prevent pellets from burning back into hopper.

Burn time for a full hopper (a 40 lb. Bag) will vary depending on burn rate, wind conditions, and pellet quality. Normally a full burn will last about 8 hours and a slow-burn (¾" closed) will last 12 hours or more. Windy conditions will make it burn faster and hotter. The Pellet Burner body has cooling fins on it to help dissipate heat. If this area starts to turn red, shut the burn down a little until the glow is barely noticeable.

If you are burning pellets and want to switch to firewood simply open the door and place a couple pieces of wood back by Pellet Burner where flame will start them burning. Do not leave door open very long as airflow will change directions and **fire** will come out lighting holes on Pellet Burner. Shut door and allow Pellet Burner to continue burning for a few minutes then shut it down and open damper on stove door. You now have switched to burning wood. To switch back to pellets, open Pellet Burner, push burning wood next to pellets, shut damper on stove (or light pellets as described earlier).

To clean shuttle, open cover plate and push ash forward with wire cleaning rod, this can be done while pellets are burning, air flow will suck ash into stove. Clean shuttle as needed, anytime burn temperature drops (I do it before going to bed when filling the hopper).

Pellet Burner can be used without cover plate installed but you won't be able to control airflow or shut down Pellet Burner to burn wood. If Pellet Burner is not going to be used install cover plate over hole on back of stove. Remove screw and cover plate handle and insert screw and handle through the big hole on cover plate and screw it into hole on back of stove.

Pellet quality can vary greatly from brand to brand. Some will perform better than others. We recommend trying a bag from different companies until you find one that works best for heat output, ash buildup, cinders etc.

Lighting fluid can be anything from charcoal lighter fluid (expensive) to paint thinner, kerosene or diesel. **Do not** use gasoline or anything else that is highly explosive. Use squirt nozzle provided on a soda bottle or quart oil bottle.