



## WELCOMES YOU TO USING THE *SAPLING FIREBOX*

We hope you get many years of enjoyment from your *Sapling Firebox*. Here's how to start!

### **Getting Ready to Assemble your *Sapling Firebox***

What you will need besides your *Sapling*:

1. vegetable or olive oil;
2. an electric drill with a 3/32" bit;
3. a Phillips screwdriver.

### **Assembling your *Sapling Firebox***

1. Remove all parts from inside the box. Inside the box, you will have:
  - One (1) *Sapling* barrel;
  - one (1) flue takeoff;
  - one (1) 90° elbow;
  - one (1) *Sapling Stack Bracket*;
  - two (2) pieces of flue pipe;
  - seven (7) self-drilling screws;
  - one (1) door;
  - two (2) clevis pins;
  - two (2) leg sets; and

- eight (8) each: bolts, nuts, and lock washers for the legs and sixteen (16) each: bolts, nuts and lock washers for the door frame.
2. First, assemble the leg sets onto the barrel using the predrilled holes and the nuts, bolts and lock washers.

HINT: The easiest way to assemble the legs is as follows. If you have already installed the door, uninstall it. Orient your Sapling “bottom-up,” with the cavity facing down. (It helps to have a skinny table or workbench or pair of sawhorses to do this while steadying the unit.) Align the holes in each leg set (so that the feet face the rear of the machine) on the corresponding holes on the barrel and push a bolt through each pair of holes. When all bolts have been inserted, reorient the unit exit-hole down (door-side up) with the cavity facing you. Install the lock washers and nuts and tighten!
  3. Next, assemble the door frame onto the barrel using the nut and bolt assemblies provided, making sure that the catch for the door latch is on the left and the hinge pieces on the right.
  4. Next, assemble the door on the frame by carefully aligning and then gently tapping the pegs on the door hinge piece into the holes on the frame hinge piece.
  5. Center the flue takeoff to the exit hole in the back of the unit and mark the location of the four predrilled holes in the takeoff on the back of the barrel with pencil, chalk or a nail. Predrill those holes. Using four of the screws provided, affix the takeoff to the back of the barrel. The screws are self-tapping, and, when enough pressure is applied, will eventually tap into the barrel without the need for drilling holes. However, we recommend predrilling the holes for a smooth assembly.
  6. Slide the 90° elbow on the flue takeoff affixed to the back of the barrel.
  7. Adjust the 90° elbow so that the exit of the elbow is pointed straight up. Looking at your *Sapling* from the stack-end (the back), position the stack bracket so that the bent end is flush with the back of the barrel, and the straight end is flush with the elbow above the elbow’s uppermost adjustable crease (see below). Mark the position of the predrilled hole on the back of the barrel with pencil, chalk or nail. Predrill a hole in the barrel. Using one of the last two of the screws provided, affix the stack stabilization bracket to the barrel. Use the last self-tapping screw to affix the bracket to the side of the elbow (this metal is thinner than the barrel and doesn’t need to be predrilled).



8. Fit a piece of flue pipe onto the elbow exit.
9. Fit the second piece of flue pipe onto the first piece of flue pipe.
10. Step back and look at your stack. If the elbow seems loose, or the stack tends to list, you have the option of driving the last self-drilling screw through the union of the elbow and flue takeoff to secure it in place.
11. Place a layer of sand and/or ashes in the bottom of your barrel. **CAUTION:** failure to place an insulating layer in the bottom of your barrel can result in catastrophic failure – the fire may burn right through your barrel! df
12. Coat the exterior of the barrel with a thin layer of vegetable or olive oil (apply with a paper-towel or rag). Done!

### **Maintaining your *Sapling Firebox***

The best practice is to clean out the ash and oil the inside of your barrel with vegetable or olive oil when not in use for extended periods of time, and, unless your *Sapling* can be stored in a garage or barn, you should cover it when not in use. Consider purchasing the *Sapling Grill Cover* for this purpose. If water gets in your barrel, be sure to dump it out, dry it out, and apply another layer of oil to discourage rust.

Expansion and contraction caused by heating, cooling and exposure to the elements may eventually cause some cracking and/or flaking in the paint on your *Sapling*. If you notice this, after the barrel has cooled, sand the area with 100 grit sandpaper and repaint with *Sapling Flat Black Paint*, or the equivalent.

Consider purchasing the *Sapling Care Kit*, which includes everything you need for maintaining the *Sapling* and all its accessories!