

## DIRECTIONS ON THE BEST WAY TO LIGHT A GASIFICATION BOILER

### TOOLS NEEDED

- |                                 |                                    |
|---------------------------------|------------------------------------|
| -5/16" socket driver            | -2.5 mm flat precision screwdriver |
| -Phillips precision screwdriver | -medium flat screwdriver           |
| -electrical tape                | -locking pliers                    |
| -wire cutter/snips              |                                    |

**NOTE:** Do not try to light the fire with the "Load/Run" lever in the "Load" position. Ensure the lever is in the "Run" position as this will ensure a better success rate.

### INSTRUCTIONS

1. Gather the required wood and paper. See Figure 1.
2. Place a piece of wood on each side of the slots in the firebox. See Figure 2.
3. Place a rolled up newspaper between the logs. See Figure 3.
4. Place the kindling over the newspaper and logs, then load the balance of wood into the firebox. See Figure 4.
5. Light the newspaper and close the door. See Figure 5.
6. Place the "Load/Run" lever into the "Run" position and turn on the power to the fan. Note: Do not open the loading door to check the fire. Doing so will allow air into the firebox which will cause the fire to flare up. At that point when the door is closed the air will be cut off and the fire will be smothered. It is critical to be patient.
7. Allow the fire to burn for approximately 15 minutes, at which time the ash door can be opened to view the flames coming down.
8. Open the loading door and observe that the kindling has burnt down creating some bridging. Use the cleaning tool, poke at the wood so that it falls down. Add more wood and close the door. See Figures 6 and 7.
9. The fire in the ash chamber will look as shown in Figure 8.



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8