

REMOVING & CLEANING BURNER HEADS AND JETS

Objective: The purpose of this document is to provide instructions on how to clean the burner assembly. **This procedure will need to be performed on average once every twelve (12) months** depending on how much wood versus gas you use in your operation. The less wood you use, the less frequently you need to clean the assembly.

NOTE: As your gas assembly becomes more clogged, you will find yourself adjusting your thumbwheel settings on the burner body to increase gas flow. As you reach the limit of the adjustment (all the way open) that is an indication that it is time to clean your burner assembly.

Tools Needed:

1. **7/8 Wrench**
2. **13/16 Wrench**
3. **Pipe Wrench**
4. **Phillips Screwdriver**
5. **Can Of Compressed Air**
6. **#4 Allen Wrench**

- Shut off gas at the valve;
- Disconnect the electrical connection between the control box and burner body;
- Remove two mounting bolts on burner mounting plate from bottom of oven;
- Disconnect the bottom half of burner body by unscrewing the (2) 3/8 Union fitting using a pipe wrench and unplugging the flame sensor cable (red) and the flame ignition cable (black) from the two probes. (Please note the locations from which you unplugged each probe). Set bottom half of burner aside;
- Using a #4 size Allen wrench loosen the (4) Allen nuts on the burner heads (2 on each
- Please note the position of each probe so that they can be returned to the correct position later;
- Next using a Phillips screwdriver, loosen screws on the silver metal bracket holding the probes in place. Once loose, turn probes so they do not block removal of the two burner heads;
- Remove burner heads by twisting and popping off;
- Using a 7/8 wrench unscrew pressure intake block connected to burner #1;
- Next use the 7/8 wrench to hold the pressure intake block and 13/16 wrench to unscrew the burner jet;

- Now that the burner jet is separated use your can of compressed air to blow out any dust or debris from the burner heads and burner body, also wipe off any soot or gas residue that you may find on the jet itself.;
- Repeat the cleaning process for burner #2;
- Reassemble burner in reverse order;
- Test for gas leaks after reassembly;
- Before restarting your oven, we suggest you adjust the Thumbwheel settings on each burner head to their original positions when you installed the oven. If you do not know these settings, $\frac{1}{3}$ down from the top of the cavity is a good place to start. The thumbwheels needs to be adjusted until you get the desired flame. Up chokes the system, down opens the valve.