

# Technical Data Sheet

## Converting The Alginon From LP To Natural Gas *This Conversion Can Only Be Done On Alginon Burners Which Have Been Factory Installed Into A HearthStone II Model Stove*

Date: 10/29/2012

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### **KIT CONTENTS:**

1-Natural Gas Orifice (28 DMS)  
1-Regulator Spring  
1-Adjustment Screw  
1-Seal Screw  
1-Natural Gas Label

### **TOOLS REQUIRED:**

Slotted Screwdriver  
1/2" Wrench  
7/16" Wrench  
Phillips Screwdriver

**Before You Begin:** Shut off gas supply to the unit and unplug the power cord.

**A qualified gas service technician should only perform this repair. The installer assumes liability for this procedure.**

### **PROCEDURE:**

1. After the gas and the power have been disconnected, remove the Alginon from the stove by removing the four 1/4" nuts below the support brackets located underneath the Alginon.
2. Remove the seven sheet metal screws that hold the cover on the Alginon. Remove the cover.
3. To change the orifice you will need to remove the Plenum Cover (GEM 12) by removing the two sheet metal screws and the Inshot Burner (GEM 12) by removing the one slotted screw. Also remove the Rotating Air Shutter (GEM 23) by gently straightening the steel bar extension and sliding it out.
4. Now you can replace the LP orifice with a 1/2" wrench and install the NAT. gas orifice.
5. After replacing the Rotating Air Shutter, Inshot burner, and the Plenum Cover, Turn the unit upside down and locate the regulator stack where the LP seal screw is located.

6. Remove the seal screw "A", adjustment screw "B", and the regulator spring "C", from the regulator stack.
7. Insert the new regulator spring, supplied in the kit, into the regulator stack. Be careful not to stretch or otherwise deform the spring.
8. Install the adjusting screw.
9. Reinstall the gas and turn on the electricity. Remove the pressure tap plug and install a manometer. Turn the adjustment screw until the pressure is at 3.0 WC. Remove the manometer and replace the pressure tap plug. Install the new seal screw "A".
10. Place the unit back on the support brackets and **leak test** all fittings.
11. Before you replace the Alginon cover, remove the four screws that hold on the LP Label and install the Natural gas label.
12. Reposition the cover and put the seven screws back in place.