

## 903000040 CONVERSION KIT INSTRUCTIONS

40,000 BTU/hr LP TO NG

### TOOLS REQUIRED:

- 1/2" Deep Socket Wrench with 6" extension
- 1/4" Nut Driver
- Green Nut Driver 11/32"
- Red Robertson Screwdriver #2
- 3/16" Allen Wrench

Refer to the General Instructions and Valve Conversion Instructions that accompany this kit.

The gas supply shall be shut off prior to disconnecting the electrical power, before proceeding with the conversion

- Remove the 4 **Flange Nuts** from the Burner  
**DO NOT REMOVE THE BOTTOM / LOWEST 5<sup>th</sup> NUT**
- Unscrew the **Burner Cup** in a counter clockwise rotation. Use caution not to damage the ceramic component of the Burner Cup face.
- Adjust **Air Restrictor Ring** on burner cup to the fully closed position
  - Remove the 2 retaining screws that hold the **Air Restrictor Ring** in place
  - Rotate **Air Restrictor Ring** so that holes in the Restrictor Ring do not align with holes in Burner Cup = fully closed position
  - Reinstall the 2 screws to fasten the Ring in place
- Remove the **Main Burner Orifice** with an extended 1/2" socket wrench. Discard the **LP Main Burner Orifice size 49 DMS** and replace it with the new **NG Main Burner Orifice size 31 DMS**. Please be aware that the NG orifice has a larger hole than the LP orifice.
- Re-install the **Burner Cup** with a clockwise rotation – use care do not cross thread. Do not over tighten the Burner Cup – hand tight firm is sufficient.
- **Refer to Honeywell Instruction sheet** to convert the **Combination Gas Valve**:
  - Remove & discard the **Black Pressure Regulator Cap Screw** and **O-Ring**.
  - Remove & discard the **Adjusting Screw and Red Spring**.
  - From the Valve Conversion Kit supplied, install the new **Stainless Steel Adjustment Spring**, and **Adjusting Screw**, setting it almost to the bottom.
  - Using a manometer, check the manifold gas pressure with the heater turned on. Regulate the manifold gas pressure to **3.5" w.c.** by turning the **Adjusting Screw** clockwise to increase, and counter clockwise to reduce the pressure.
  - Install new **O-Ring** and **Silver Pressure Regulator Cap Screw** provided.
- Affix **Valve Conversion Sticker** to the valve.
- Print Date, Company Name & Address on **Conversion Kit Rating Plate** and affix the plate to the heater in the proximity of the CSA rating plate

**Return to General Instructions and complete all steps of leak testing and commissioning.**

