

# MGB CAST IRON GAS FIRED BOILERS FOR FORCED HOT WATER NATURAL GAS TO LP CONVERSION

**DO NOT DESTROY THESE INSTRUCTIONS!!**  
Please read carefully and keep in a safe place for future reference

## ⚠ WARNING

Conversion kit shall be installed by qualified service agency in accordance with manufacturer's instructions and all applicable codes and requirements of authority having jurisdiction. If information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. Qualified service agency is responsible for proper installation of this kit. Installation is not proper and complete until operation of converted appliance is checked as specified in Installation, Operation & Maintenance Manual supplied with boiler.

These instructions are for Honeywell Gas Valves. See separate White Rodgers Instructions for White Rodgers Gas Valves.

### Tools Required

- Flat Head Screwdriver
- 1/4" Nut Driver
- 7/16" Open Ended Wrench
- 3/16" Allen Wrench
- 18" Manometer (or dial manometer)

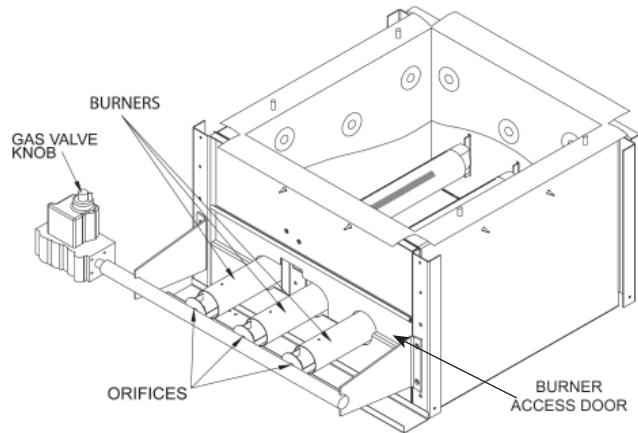
### Converting Boiler From Natural Gas To Propane (LP):

1. Follow instruction TO TURN OFF GAS TO APPLIANCE. Verify electrical power is OFF.
2. Remove front panel.
3. Remove burner access door.
4. Remove main gas burner tubes. See Figure 1.
5. Remove main burner orifices. See Figure 1.
6. Install LP gas main burner orifices. Discard excess LP orifices.
7. Use 7/16" wrench, disconnect pilot tube from pilot. See Figure 2.
8. Remove pilot orifice.
9. Install LP gas pilot orifice.
10. Apply liquid sealing compound (provided) to threads of pilot assembly fitting.
11. Reattach pilot tube to pilot and securely tighten. See Figure 2.
12. Replace main gas burner tubes.

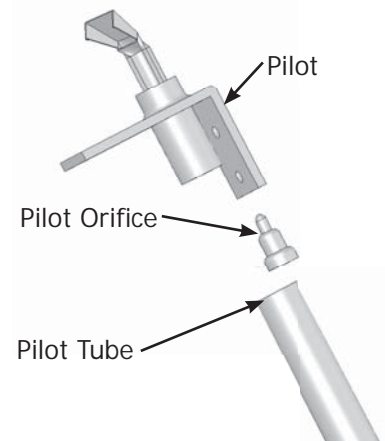
Kit Contents	
Pilot Orifice Q380	1
Pilot Orifice Q345	1
"Nat to LP" Conversion Plate/Label	1
Liquid Sealing Compound	1
Spring Kit	1
Instructions	1

MAIN BURNER ORIFICES	
BOILER SIZE	ORIFICE
50, 100, 150, 200, 250, 300	47
225, 275	48
125, 170, 175	49
75	50



**Figure 1 - Burners Assembly**



**Figure 2 - Pilot Assembly**



## NATURAL GAS TO LP CONVERSION INSTRUCTIONS

13. Remove cover screw from gas valve pressure regulator. See Figure 3.
14. Remove adjustment screw by turning counterclockwise . See Figure 4.
15. Remove stainless steel gas spring. See Figure 4.
16. Insert Red LP gas spring. See Figure 4.
17. Install new adjustment screw. Assure screw top is flush with regulator top. See Figure 4.
18. Turn pressure regulator adjustment screw clockwise  eleven (11) complete turns. (This is starting point for manifold pressure.)
19. Install manometer to pressure tap on outlet side of gas valve. See Figure 3.

### NOTICE

Gas inlet pressure should be between minimum of 11" w.c. and maximum of 14" w.c.

20. Turn electric and gas supply ON.

### ⚠ DANGER

Fire Hazard. Do not use matches, candles, open flames, or other methods providing ignition source. Failure to comply will result in death or serious injury.

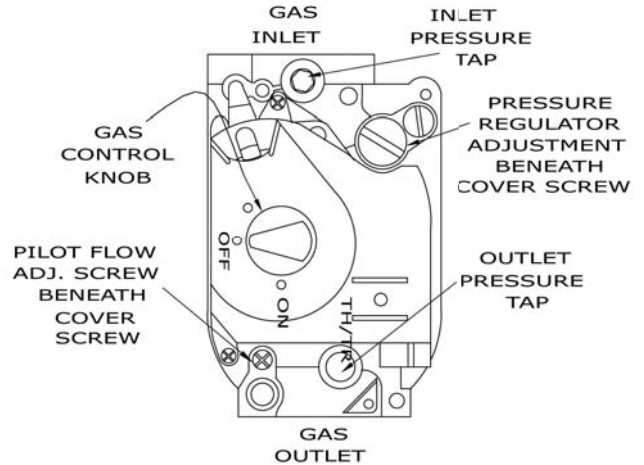
21. Check for gas leaks around all gas connections using commercially available soap solution specifically made for leak detection.
22. While boiler is running adjust manifold pressure to 11" water column by turning pressure regulator adjustment screw.
23. Turn electric and gas supply OFF.
24. Remove manometer. Replace pressure tap cover screw securely.
25. Install Black LP gas regulator adjustment cover screw with o-ring. See Figure 4.
26. Mount conversion label on gas valve (found in spring kit).
27. Turn electric and gas supply ON.
28. Cycle boiler to ensure proper operation and lighting.
29. Replace front panel.

### NOTICE

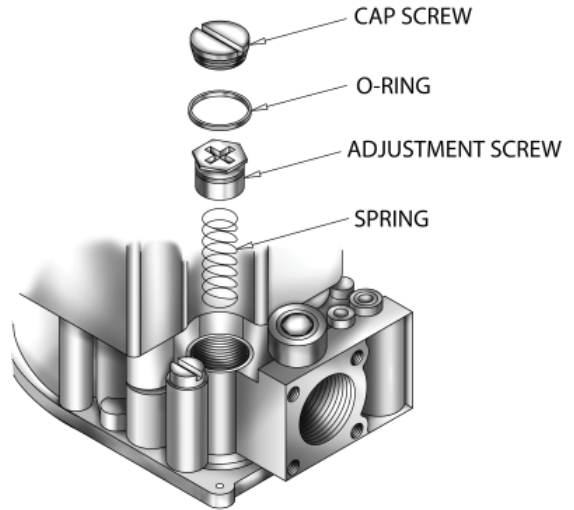
Complete following steps to provide proper identification when contacting customer service or technical support.

30. Copy serial number from old rating plate to new one.
31. Mount new rating plate adjacent to old one.

**Figure 3 - Gas Valve**



**Figure 4 - Gas Valve Adjustment Screw Assembly**



**Parts for steps 16, 17, 25, and 26 are located in the Honeywell LP Gas Conversion Kit HW#393691 (ECR # 1272030) for the VR8200, VR8204, VR8300 and VR8304 gas valves.**

PILOT ORIFICES		
MFG. Part Numbers		Used on Boilers manufactured
ECR	Honeywell	
PB00208	390686-36	After July , 2008 (Q345)
PB00206	390686-40	Pre July 2008 (Q380)