

# CONVERSION INSTRUCTIONS

## LP TO NATURAL GAS (SEA LEVEL TO 2000 FEET)

### PEG-D/E CAST IRON GAS FIRED STEAM BOILERS

#### ⚠ WARNING

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

#### Tools Required

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

#### Installation

1. Turn off gas supply to the boiler.

#### ⚠ WARNING

Electrical shock hazard. Turn OFF electrical power supply at service panel before making electrical connections. Failure to do so could result in death or serious injury.

2. Turn off all electrical to boiler.
3. Remove front panel.
4. Remove burner access door.
5. Remove main gas burner tubes. See Figure 1.
6. Remove main burner orifices. See Figure 1.
7. Install supplied Natural gas main burner orifices. See Table 1 for orifice size and quantities.
8. Use 7/16" wrench, disconnect pilot tube from pilot. See Figure 2.
9. Remove pilot orifice. See Figure 2.
10. Install Natural gas pilot orifice. See Figure 2.
11. Apply liquid sealing compound to threads of pilot assembly fitting.
12. Attach pilot tube to pilot and securely tighten. See Figure 2.
13. Replace main gas burner tubes.
14. Remove cover screw from gas valve pressure regulator. See Figure 3.

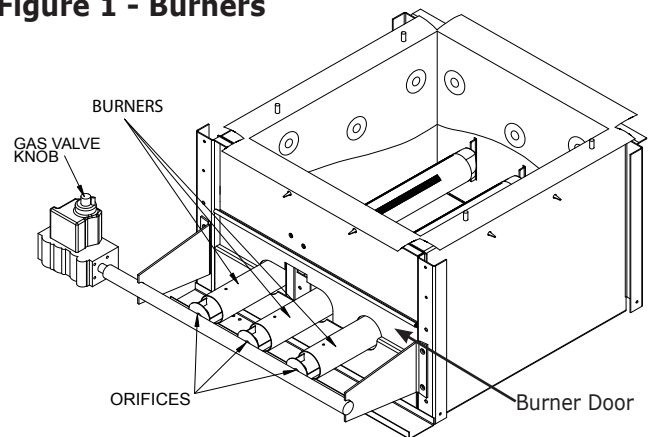
**Table 1 - KIT CONTENTS**

MODEL	3-5 SECTION	6-9 SECTION
DESCRIPTION	Part # (Qty)	Part # (Qty)
PILOT ORIFICE	1350001(1)	
ORIFICE	1/8", #34 (4)	1/4", #34 (8)
CONVERSION LABEL	240004822 (1)	
LIQUID SEALING COMPOUND	1440010 (1)	
SPRING KIT	VG00701 (1)	
INSTRUCTIONS	240009877 (1)	

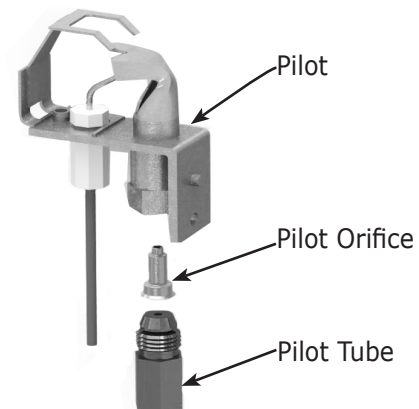
**Table 2 - PILOT ORIFICES**

MFG.	PART NUMBER
Honeywell	390686-4


**Figure 1 - Burners**



**Figure 2 - Pilot**




## NATURAL GAS TO LP CONVERSION INSTRUCTIONS

- Remove adjustment screw by turning counterclockwise . See Figure 4.
- Remove red LP gas spring. See Figure 4.

### NOTICE

Parts for steps 17, 18, 26, and 27 are located in the Honeywell Natural gas conversion kit HW#391963 for VR8200, VR8204, VR8300 and VR8304 gas valves.

- Insert stainless steel natural gas spring. See Figure 4.
- Install new adjustment screw. Assure the screw top is flush with the regulator top. See Figure 4.
- Turn pressure regulator adjustment screw clockwise  eight (8) complete turns. This is starting point for manifold pressure.)
- Install manometer to pressure tap on outlet side of gas valve. See Figure 3.
- Turn electric and gas supply ON.

### NOTICE

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

- Check for gas leaks around all gas connections using commercially available soap solution specifically made for leak detection.

### 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.

- While boiler is operating adjust manifold pressure to 3.5" water column by turning pressure regulator adjustment screw. Check for CO<sub>2</sub> and CO levels to assure proper operation.
- Turn OFF electric and gas supply.
- Remove manometer. Replace pressure tap cover screw securely.
- Install silver natural gas regulator adjustment cover screw with o-ring. See Figure 4.
- Mount conversion label on gas valve.
- Turn electric and gas supply ON.
- Cycle boiler to ensure proper operation and lighting.
- Replace front panel.
- Fill out and affix conversion plate adjacent to rating plate. Complete this step to provide proper identification for customer service or technical support issues.

### CAUTION

#### WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

Figure 3 - Gas Valve

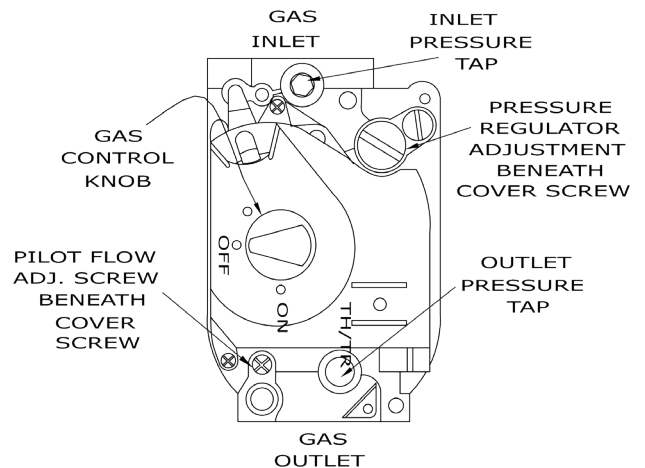


Figure 4 - Gas Valve

