

CONVERSION KIT INSTRUCTIONS

NATURAL GAS TO LP

&

LP TO NATURAL GAS

300 Kit #550003013

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.

WARNING

Fire, explosion, asphyxiation and electrical shock hazard. Improper installation could result in death or serious injury. Read this instruction and understand all requirements, including requirements of authority having jurisdiction, before beginning installation. Installation not complete until appliance operation verified per Installation, Operation & Maintenance Manual provided with boiler.

Kit installation shall be completed by qualified agency.

CONVERTING BOILER FROM NATURAL GAS TO LP

Converting Boiler From Natural Gas To LP:

1. Follow instructions To TURN OFF GAS TO APPLIANCE found on Operating Instructions label on boiler or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.

WARNING

Electrical shock hazard. Turn OFF electrical power supply at service panel.

2. Remove front panels from boiler.
3. Follow instruction TO TURN OFF GAS TO APPLIANCE. Verify electrical power is OFF.
4. Remove screws as shown in figure 1. Carefully separate gas valve.
5. Insert LP orifice as shown in figure 1. See Table 1 for orifice size.
6. Connect gas valve using previously removed screws.
7. **Leak Check Gas Piping** - Pressure test boiler and gas connection before placing boiler in operation.
 - A. Pressure test over 1/2 psig (3.5 kPa). Disconnect boiler and its individual gas shutoff valve from gas supply system.
 - B. Pressure test at 1/2 psig (3.5 kPa) or less. Isolate boiler from gas supply system by closing manual gas shutoff valve. See figure 7-2.
 - C. Locate leakage using gas detector, noncorrosive detection fluid, or other leak detection method acceptable to authority having jurisdiction. Do not use matches, candles, open flames, or other methods that can provide ignition source.
 - D. Correct leaks immediately and retest.
8. Place "Natural to LP" and "Converted by" labels onto boiler as shown in figure 3.
9. Replace front panels.
10. Follow instructions in "Start-up Procedure" section 9 of boiler's Installation, Operation & Maintenance Manual for proper startup and verification procedures.
11. For altitudes above 2000 ft. use kit 550002945. Refer to boiler's Installation, Operation & Maintenance Manual for derate instructions.

Figure - 1 Disconnect Venturi Body from Gas Valve

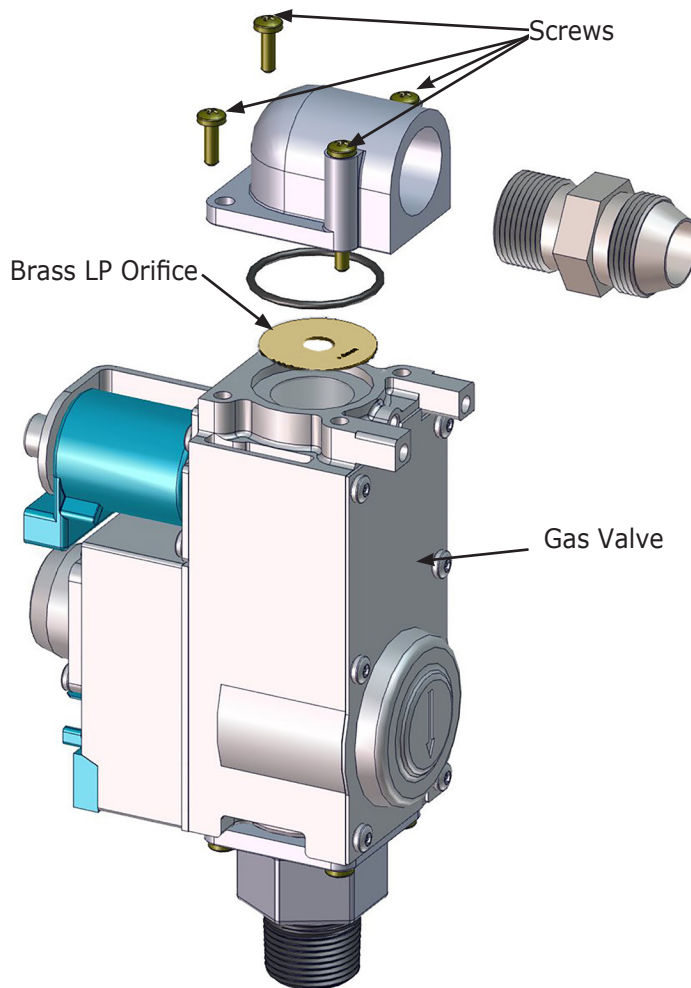
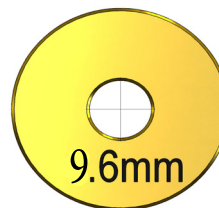


Figure - 2 Brass LP Orifice



CONVERTING BOILER FROM LP TO NATURAL GAS

Converting Boiler *From LP To Natural Gas*:

1. Follow instructions To TURN OFF GAS TO APPLIANCE found on Operating Instructions label on boiler or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.

WARNING

Electrical shock hazard. Turn OFF electrical power supply at service panel.

2. Remove front panels from boiler.
3. Follow instruction TO TURN OFF GAS TO APPLIANCE. Verify electrical power is OFF.
4. Remove screws as shown in figure 1. Carefully separate gas valve.
5. Remove orifice as shown in figure 1.
6. Install natural gas orifice.
7. Connect gas valve using previously removed screws.
8. **Leak Check Gas Piping** - Pressure test boiler and gas connection before placing boiler in operation.
 - A. Pressure test over 1/2 psig (3.5 kPa). Disconnect boiler and its individual gas shutoff valve from gas supply system.
 - B. Pressure test at 1/2 psig (3.5 kPa) or less. Isolate boiler from gas supply system by closing manual gas shutoff valve. See figure 7-2.
 - C. Locate leakage using gas detector, noncorrosive detection fluid, or other leak detection method acceptable to authority having jurisdiction. Do not use matches, candles, open flames, or other methods that can provide ignition source.
 - D. Correct leaks immediately and retest.
9. Place "LP to Natural" and "Converted by" labels onto boiler as shown in figure 3.
10. Replace front panels.
11. Follow instructions in "Start-up Procedure" section 9 of boiler's Installation, Operation & Maintenance Manual for proper startup and verification procedures.
12. For altitudes above 2000 ft. use kit 550002945. Refer to boiler's Installation, Operation & Maintenance Manual for derate instructions.

Figure - 3 Conversion Label Placement

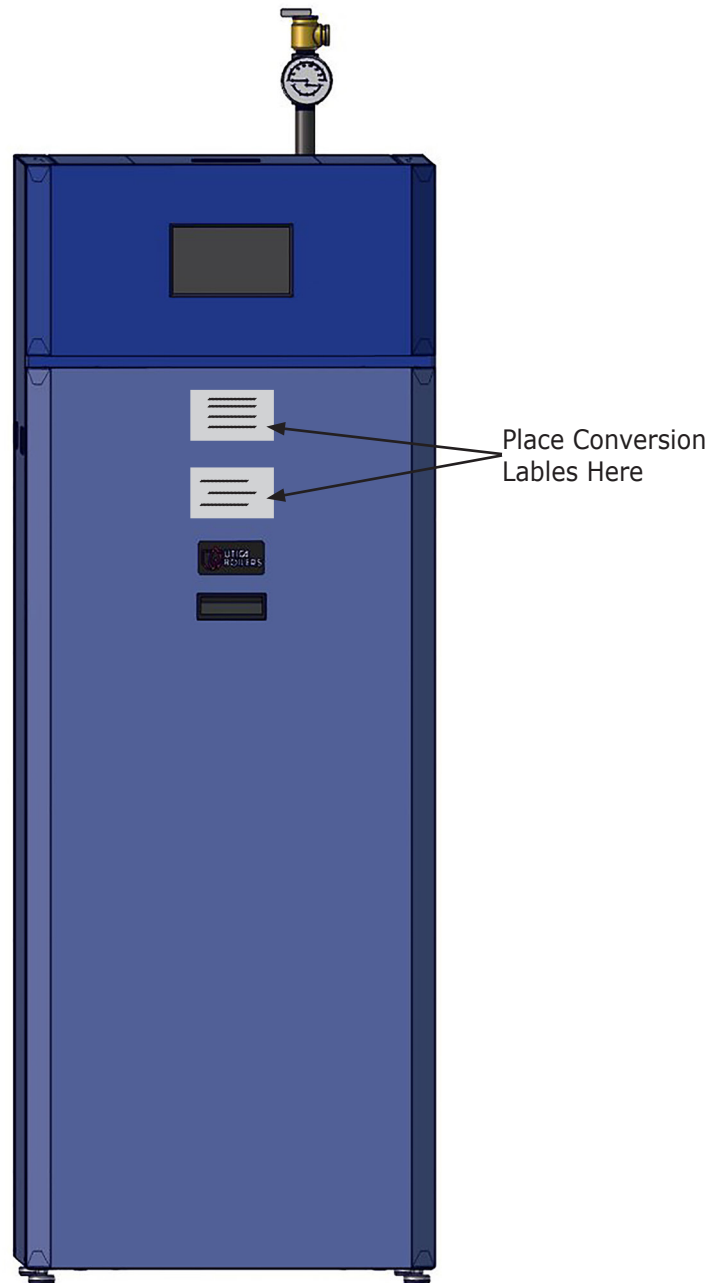


Table 1 - Parts Lists

300 Gas Conversion Kit #550003013		
DESCRIPTION	PART #	QTY
Orifice, LP, 9.6mm	240009904	1
Label, "Converted By"	240008688	2
Label, "Nat to LP" conversion plate	240008961	1
Label, "LP to Nat" conversion plate	240008962	1
Instructions	240010746	1