

Regulated Natural to L.P.Gas  
 Conversion Kit for Two-Stage Gas Valve

**INSTALLATION INSTRUCTIONS**

Installer: Save these instructions for future use!

**FAILURE TO READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY  
 INSTALLING OR OPERATING THIS CONTROL COULD CAUSE  
 INJURY AND/OR PROPERTY DAMAGE.**

**⚠ 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, explosion, or production of carbon monoxide may causing property damage, personal injury, or loss of life. The qualified service agency performing the work assumes the responsibility for the proper conversion of this appliance with this kit.

**APPLICATION**

This conversion kit is only applicable to A801X060AM3S\* two-stages gas valves to be used on L.P. gas applications. **This conversion kit is for use on all Two-Stage, fast and slow open models.**

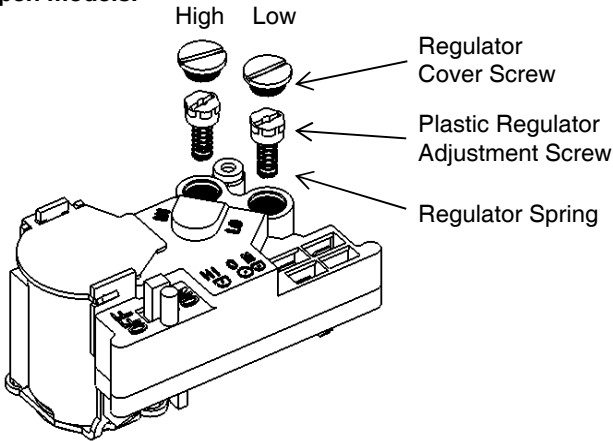


Figure 1. two-Stage models

DESCRIPTION	QTY
#47 Drill Size Burner Orifice Kit	3
#48 Drill Size Burner Orifice Kit	3
#50 Drill Size Burner Orifice Kit	7
#51 Drill Size Burner Orifice Kit	7
#52 Drill Size Burner Orifice Kit	3
#56 Drill Size Burner Orifice Kit	3
#57 Drill Size Burner Orifice Kit	7
#58 Drill Size Burner Orifice Kit	7
#61 Drill Size Burner Orifice Kit	3
#62 Drill Size Burner Orifice Kit	3

**TO CONVERT FROM NATURAL TO L.P. GAS**

- Step 1: Remove the original natural gas orifice counterclockwise with an adjustable wrench or electric screwdriver and replace it with a liquefied petroleum gas orifice. Place the gas valve horizontally, and unscrew the HI and LO pressure regulating screw;
- Step 2: Take out the plastic screws and the original natural gas spring and place the liquefied petroleum gas spring in the middle;
- Step 3: Screw the HI and LO plastic screws clockwise for 14 turns or screw the plastic screws clockwise to the bottom, tighten it, and then rotate it counterclockwise for 2-3 turns.
- Step 4: Install the gas pipe assembly and gas valve and connect the gas pressure gauge, and then check the gas leakage.
- Step 5: Adjust HI stage outlet pressure to the appliance manufacturers requirements.
- Step 6: Attach the WARNING label(provided in the kit) to the gas valve where it can be readily seen. Also attach the small round L.P. labels to the top of the regulator cover screws.

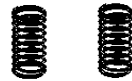
Conversion back to Natural Gas use maybe made at a later date by retaining the Natural Gas springs(removed in step 3, above) and following the same procedures.

**NOTE**

If the converted L.P. low regulator setting is less than 5.0"w.C., use the original natural gas spring.

**⚠ WARNING**

VALVE CONVERTED FOR USE ON L.P. GAS, IMPROPER OPERATION COULD RESULT IN DEATH OR SERIOUS INJURY.



L.P. Regulator Springs

**WARNING Label**

Figure 2. Contents of kit



L.P. Labels

## High Altitude Derate Orifice Size Chart (Natural and LP Gas\*)

Input Rate KBtu/h	Number of Burner	Elevation(Ft)									
		0-2000		2000-4000		4000-6000		6000-8000		8000-10000	
		Nat	LP	Nat	LP	Nat	LP	Nat	LP	Nat	LP
60A	3	45	55	47	56	48	56	49	57	51	57

\*LP orifice based on 10 inWC manifold pressure  
The input to the furnace must be checked AFTER reorificing.

### Checking the Manifold Pressure:

The manifold pressure can be measured by installing a pressure gauge or U-tube manometer to the outlet end of the gas valve as follows:

1. With a small flathead screwdriver, loosen the manifold pressure tap plug located on the outlet side of the gas valve. Refer to Fig. 1.
2. Install the pressure gauge or U-tube manometer according to the manufacturer's supplied instructions.
3. Set the room thermostat to a point above room temperature to start the furnace.
4. Allow the furnace to operate for three (3) minutes and then check the manifold pressure. For LP gas installations, the manifold pressure should be set to 10" WC. If the manifold pressure is not set to the appropriate pressure, then it must be adjusted.

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