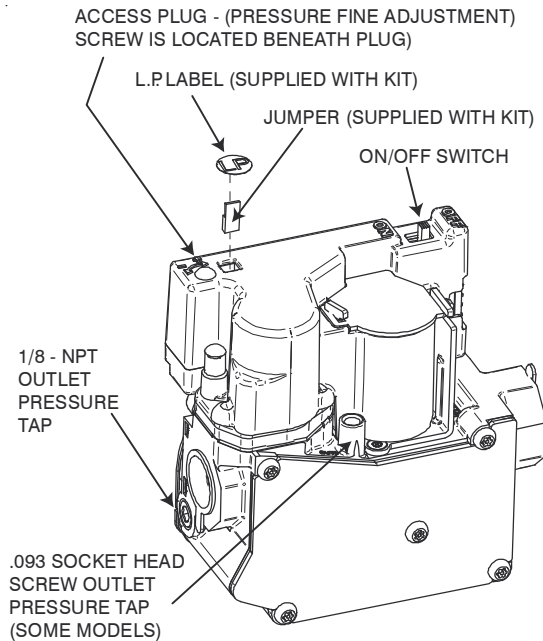


# LPM-10 CONVERSION KIT 34 " MODULATING FURNACE

## NATURAL GAS TO L.P. GAS CONVERSION KIT FOR FURNACES EQUIPPED WITH WHITE-RODGERS 36J27 SERIES GAS VALVES

*DO NOT DISCARD - RETAIN THESE INSTRUCTIONS FOR FUTURE USE*



**Figure 1 - 36J27 Modulating Gas Valve**

### APPLICATION

This modulating Natural Gas to modulated L.P. Gas Conversion kit allows the 36J27 Series gas valves to be used on L.P. applications. **THIS CONVERSION KIT IS FOR USE WITH WHITE-RODGERS 36J27 SERIES GAS VALVES ONLY.** Tools required for the conversion are listed below.

Required Tools for Conversion Kit	
Q'ty	Description
1	Needle-Nose Pliers
1	7/16" Box Wrench
1	1/4" Nut Driver
1	1/8" Flat Blade Screwdriver
1	Manometer to read inlet and outlet pressure of the gas valve (minimum range: 0"- 20" W.C.)
	Gas leak detection solution like a soap and water solution. Always wipe the solution from the joints when testing is completed.



### WARNING

Only personnel that have been trained to install, adjust, service or repair (hereinafter, "service") the equipment specified in this manual should service the equipment. The manufacturer will not be responsible for any injury or property damage arising from improper service or service procedures. If you service this unit, you assume responsibility for any injury or property damage which may result. In addition, in jurisdictions that require one or more licenses to service the equipment specified in this manual, only licensed personnel should service the equipment. Improper installation, adjustment, servicing or repair of the equipment specified in this manual, or attempting to install, adjust, service or repair the equipment specified in this manual without proper training may result in product damage, property damage, personal injury or death.

### PROP 65 WARNING FOR CALIFORNIA CONSUMERS



### WARNING

Cancer and Reproductive Harm -  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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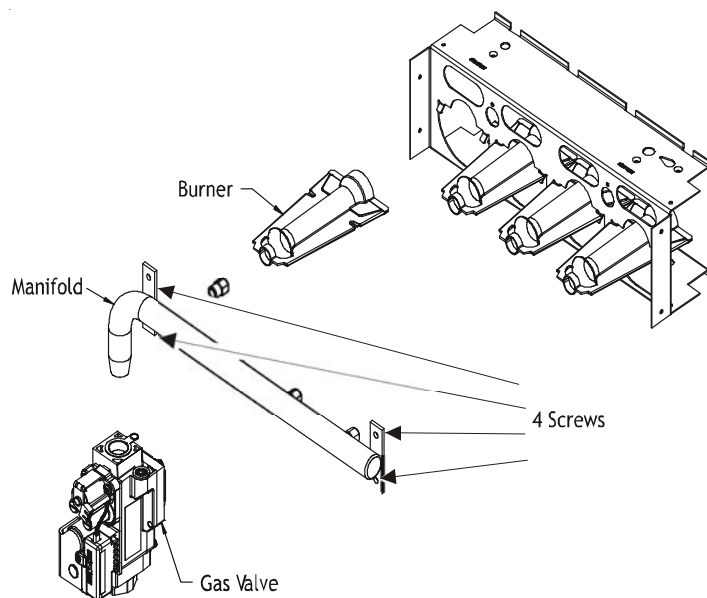
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## TO CONVERT FROM NATURAL TO L.P. GAS

1. Shut OFF gas supply at manual shutoff and turn OFF power to the furnace.
2. Remove access door.
3. Disconnect wiring from the gas valve.
4. Remove the gas manifold assembly by removing the four screws connecting it to the burner bracket.

See Figure 2 below.



**Figure 2 - Gas Manifold Removal**

5. Remove natural gas orifices from gas manifold using 7/16" box end wrench.
6. Visually inspect L.P. gas orifices (B40899125) for damage and drill size (marked on face with #125) before installation. Install orifices and tighten with a box-end wrench, take care to avoid crossthreading or over tightening.
7. Remove the "NAT. GAS" label from the top of the 36J27 gas valve.
8. Use needle nose pliers to place the jumper (see enclosed F92-1021 kit) on the receptacle. Make sure both pins engage the jumper.
9. Place the "L.P." label (see the enclosed F92-1021 kit) on the gas valve, covering the jumper installed in step 8.
10. Attach the "WARNING" label (see the enclosed F92-1021 kit) to the gas valve where it can readily be seen.
11. Attach the gas manifold assembly to the burner bracket using the four screws removed in step 4.

## L.P. GAS PRESSURE CHECK

L.P. Gas Supply Pressure must be verified with all L.P. appliances in operating mode. See Table 1 for the required L.P. gas pressure.

1. Turn OFF electrical power & gas supply to the unit.
2. Use a 3/16" Allen wrench to remove the 1/8" inlet pressure tap from the gas valve.
3. Connect a calibrated water manometer or appropriate gas pressure gauge at the gas valve inlet pressure tap.
4. Turn ON the power and gas, put the unit into heating cycle on high fire (100%). Tap plug. The pressure must be leak checked after resealing.

Propane Gas Supply Pressure Range	
Minimum: 11" w.c.	Maximum: 13" w.c.

## MANIFOLD PRESSURE CHECK

See Table 2 for the required L.P. gas manifold pressure. The gas valve outlet pressure is automatically adjusted for LP by installation of the jumper in step 8. Only minor changes to manifold pressure should be made by adjusting the gas valve pressure regulator. Minor adjustments may be made by removing the access plug and turning the fine-adjustment screw with a 1/8" flat blade screwdriver. Adjustment should only be done while monitoring outlet pressure with a suitable manometer properly attached to the outlet pressure tap.

Propane Gas Manifold Pressure Range	
Low Stage	High Stage
2.3" - 2.7" w.c.	9.7" - 10.3" w.c.

1. Turn OFF electrical power & gas supply to the unit.
2. Use a 3/16" Allen wrench to remove the 1/8" outlet pressure tap from the gas valve.
3. Connect a calibrated water manometer or appropriate gas pressure gauge at the gas valve outlet pressure tap.
4. Turn ON the power and gas, put the unit into heating cycle on high fire (100%).
5. Remove the White cap located on top the gas valve next to the + & - symbols.
6. Use a 1/8" flat blade screwdriver to turn the fine adjustment screw; clockwise (+) to increase manifold pressure, counter-clockwise (-) to decrease manifold pressure.
7. After adjustment is made, turn OFF gas to the unit at the manual shutoff valve and disconnect manometer. Reinstall line pressure tap plug. The pressure tap must be leak checked after resealing.

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