INSTALLATION INSTRUCTIONS
WHITE RODGERS MODULATING VALVE
DIRECT SPARK IGNITION

BEFORE INSTALLING THIS KIT, CHECK THE "CONVERSION KIT INDEX" (92-21519-52) TO BE SURE YOU HAVE THE RIGHT KIT FOR THE FURNACE MODEL YOU ARE CONVERTING.

TO CONVERT FROM NATURAL TO LP GAS
USE KIT NUMBER FP07

PARTS LIST		
DESCRIPTION	**PART NUMBER**	**FP07**
Installation Instructions	92-22999-68	1
Conversion Label	92-18153-05	1
Gas Valve	60-24215-04	1
Orifice - Burner (1.15 mm) (For Altitudes up to 7,999 ft.)	62-22175-91	8
Orifice - Burner (1.10 mm) (For Altitudes above 7,999 ft.)	62-22175-90	8

⚠ Recognize this symbol as an indication of Important Safety Information!

⚠WARNING

THIS CONVERSION KIT IS TO BE INSTALLED BY A QUALIFIED SERVICE PROFESSIONAL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND ALL CODES AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. FAILURE TO FOLLOW INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR PROPERTY DAMAGE. THE QUALIFIED PERSONNEL PERFORMING THIS WORK ASSUMES RESPONSIBILITY FOR THIS CONVERSION.

IMPORTANT: DAMAGE TO THE PRODUCT RESULTING FROM FAILURE TO FOLLOW INSTRUCTIONS OR USE OF UNAUTHORIZED PARTS MAY BE EXCLUDED FROM THE MANUFACTURER'S PRODUCT WARRANTY COVERAGE.

34" Classic 90+ Modulating Gas Furnaces installed at high elevations require the installation of a high altitude kit for proper operation. The high altitude kit contains two high altitude pressure switches which replace the production high and low pressure switches on the furnace.

All gas piping must comply with the latest NFPA 54 National Fuel Gas Code and all state and local codes. All electrical wiring must comply with the latest NFPA 70, National Electrical Code and all state and local codes.

WHEN CONVERTING NOx MODELS

⚠WARNING

TURN OFF ELECTRICAL POWER AND MAIN GAS SUPPLY BEFORE BEGINNING MODIFICATION. FAILURE TO DO SO CAN RESULT IN ELECTRICAL SHOCK OR EXPLOSION CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

This furnace does not require the stainless steel inserts located in the burner tube in order to meet SCAQMD NOx emission levels when run on LP gas. Carefully remove these inserts and retainer before firing this furnace on LP gas.

Discard the NOx inserts and rod.

Replace the burner tray assembly.

KIT INSTALLATION (SEE ILLUSTRATION)

1. Disconnect the gas line at the union ahead of the combination gas valve.
2. Remove gas valve and manifold from assembly.

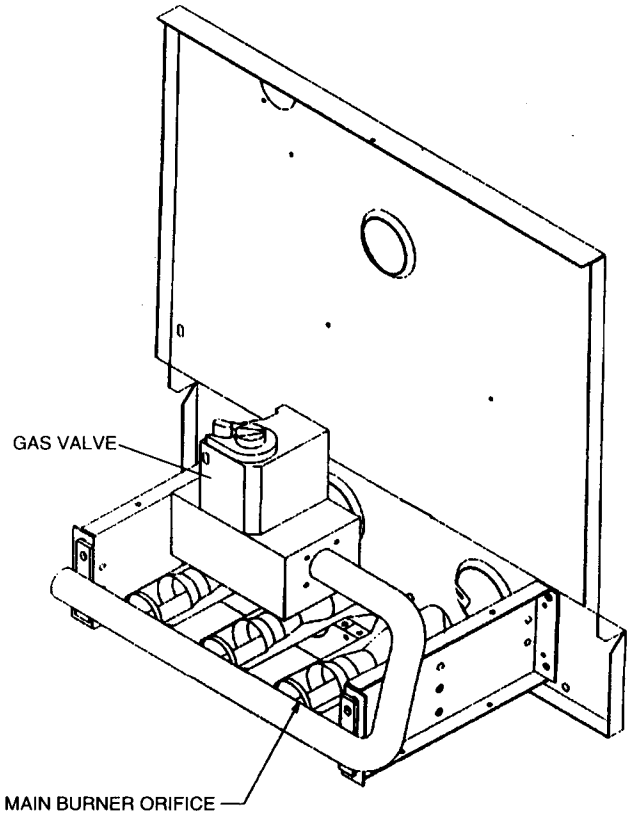


FIGURE 1. GAS VALVE LOCATION

A. **To Change Burner Orifice**
Remove each burner orifice from the manifold. See **Figure 1.** Refer to Chart 5 in the Conversion Kit Index and verify the correct burner orifice size required. Open the burner orifice envelope marked with the orifice drill size required and install in the burner when the unit is converted to LP gas.

B. **Manifold gas pressure must be adjusted to 10″ W.C. after valve conversion to LP gas with furnace in operation and proper gas supply pressure (see rating plate). The gas supply line pressure should be between 11″ and 14″ W.C. at the appliance.**

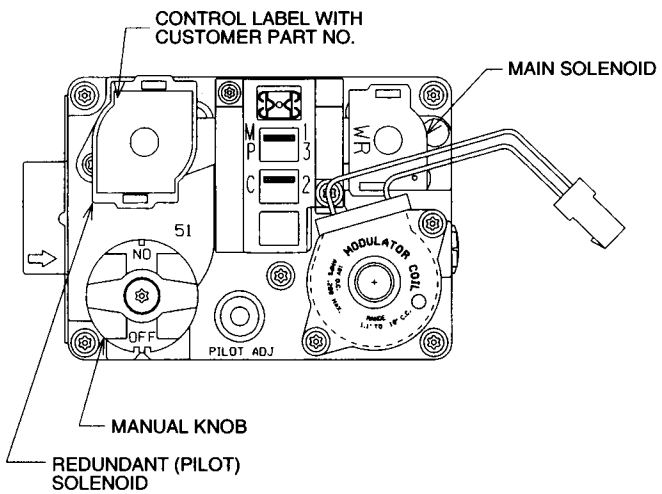


FIGURE 2. WHITE RODGERS GAS VALVE

NOTE: Use a pipe compound resistant to the action of the liquefied petroleum gases at all threaded pipe connections.

DO NOT REMOVE OR DEFACE ORIGINAL RATING PLATE.

3. Remove the natural gas valve from the manifold assembly and replace with the LP valve included in this kit.
4. Re-attach the manifold assembly to the unit and connect the gas line to the gas valve.
5. Place the conversion label adjacent to the A.G.A. rating plate.
6. Turn on gas supply and electrical supply.
7. Check unit thoroughly for gas leaks – with soap and water – not with a flame.
8. Follow lighting instructions to put furnace into operation.
9. Operate thermostat to check unit operation for ignition and extinction characteristics.

COMPLETING CONVERSION

1. Using a ballpoint indelible pen, record the following information on label 92-18153-05 provided in this kit.
   a. Date of conversion.
   b. Installer's name, address and telephone number.
   c. Burner orifice size.
2. Place completed conversion label next to the rating plate.
3. Install the burner compartment access door.