

INSTALLATION INSTRUCTIONS

HONEYWELL OR WHITE RODGERS VALVE W/STANDING PILOT OR ELECTRIC IGNITION

BEFORE INSTALLING THIS KIT, CHECK THE "CONVERSION KIT INDEX" (92-21519-53) 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 FP05

PARTS LIST		
DESCRIPTION	PART NUMBER	FP05
Installation Instructions	92-22999-63	1
Conversion Label	92-18153-05	2
Conversion Kit #396221-2 (Honeywell)	60-22513-01	1
Conversion Kit #F92-0659 (White Rodgers)	60-21193-01	1
Orifice - Burner (1.15 mm)	62-22175-91	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.

IMPORTANT NOTE FOR ALTITUDES ABOVE 4,500 FEET (1373 METERS): The main burner orifices in this kit are sized for nameplate input and intended for installations at elevations up to 4,500 feet (1373 meters) only.

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 1/8" diameter retaining rod before firing this furnace on LP gas with the Nox inserts in place

To remove the inserts, **carefully** remove the hot surface ignitor mounted to the furnace center panel. See **Figure 1**. The NOx inserts will follow the burner tray assembly out as they are hooked over the 1/8" diameter retaining rod.

Discard the NOx inserts and rod.

Replace the burner tray assembly first and **carefully** reattach the hot surface ignitor to the center panel.

KIT INSTALLATION (SEE ILLUSTRATION)

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

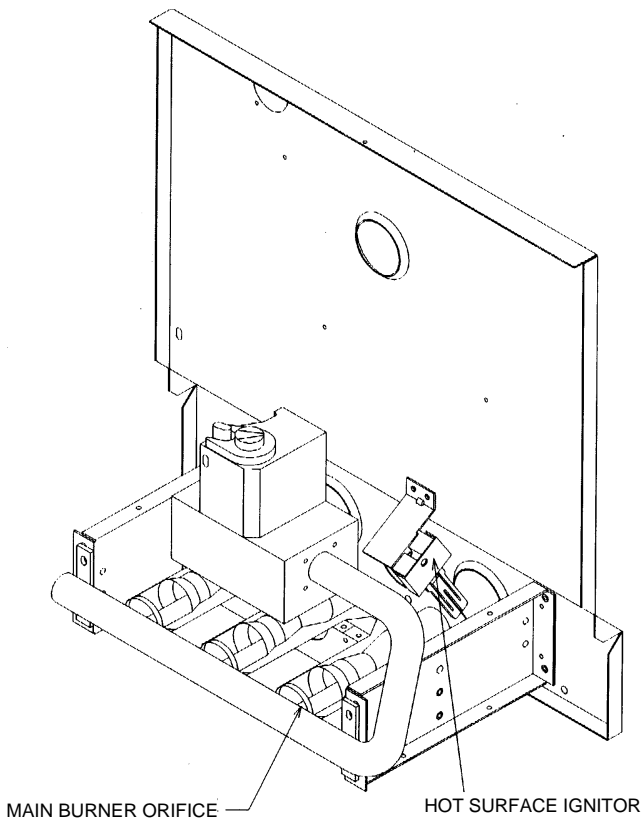


FIGURE 1. HOT SURFACE IGNITION LOCATION

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. Convert Gas Valve to LP Gas (See Figures 2 & 3)

See Honeywell envelope kit #393691 or White Rodgers envelope kit #F92-0659 for proper LP regulator spring and instructions. If unsure of which spring is correct for the valve you are converting refer to Figure 4.

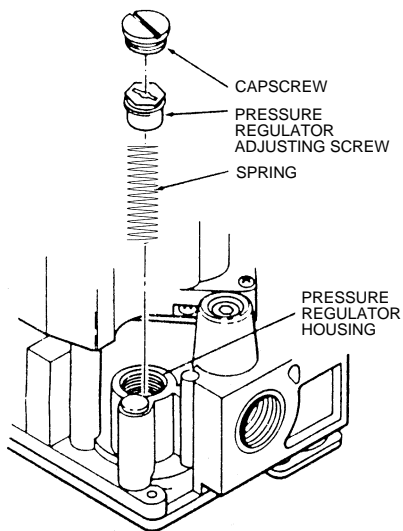


FIGURE 2. CONVERTING HONEYWELL VR200H & VR8205H CONTROLS FROM NATURAL GAS TO L.P. GAS OPERATION

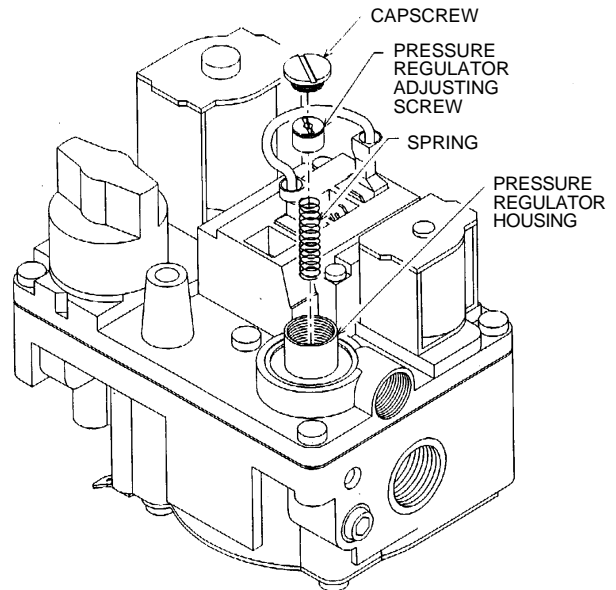


FIGURE 3. ILLUSTRATION FOR CONVERTING WHITE RODGERS 36E37-214 CONTROLS FROM NATURAL GAS TO L.P. GAS OPERATION

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.

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

3. Place the conversion label adjacent to the A.G.A. rating plate.

DO NOT REMOVE OR DEFACE ORIGINAL RATING PLATE.

4. Turn on gas supply and electrical supply.
5. Check unit thoroughly for gas leaks – with soap and water – not with a flame.
6. Follow lighting instructions to put furnace into operation.
7. 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 92-18153-04 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.
4. Run furnace through a complete cycle to assure proper operation.

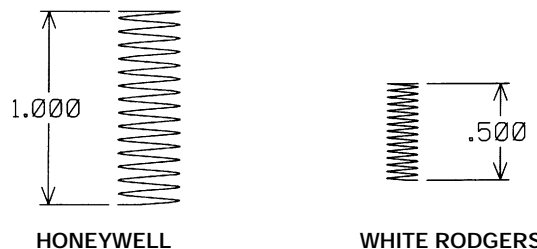


FIGURE 4. HONEYWELL AND WHITE RODGERS REGULATOR SPRINGS (ACTUAL SIZE)