

INSTRUCTIONS



99TA503064C (for RCD use only)

Instruction Sheet Number: **99TA503064C**

Description: Gas Valve LGPS (Low Gas Pressure Switch) Mounting/Connection options

Author: Rcd

Date: December 3, 2009

Part Number: EF660013, EF660014, EF660015, EF660017

Kit includes:

- EF39ZW023 - LP spring kit(s)
- CA21JZ001 - female x female x male brass tee
- CA52JZ103 - brass nipple
- CA15RA001 - 90° black iron street elbow

Purpose of this kit is to provide additional parts for re-mounting of a Low Gas Pressure Switch (LGPS) used in older units when the original gas valve is replaced. The switch is used in conjunction with furnaces **converted to propane gas**. Please see pictures for options for LGPS placement. Your unit may differ in appearance and may not need all parts shown. The switch and related fittings are not required for furnaces installed on natural gas.

Switch terminals must always be installed in the upright or horizontal position for proper switch operation. Do not install the LGPS upside-down in any orientation.

Note: For 80% furnaces the Bleed Port (which may have a barbed fitting) is not used and is **NOT** required to be plugged. (See Figure 6)

This Instruction Sheet pertains to kits:

EF660013 which replaces EF32CW206

EF660014 which replaces EF33CW192

EF660015 which replaces EF32CW192, 198, 200, 201, 203, 204

EF660017 which replaces EF33CW198

Figure 1

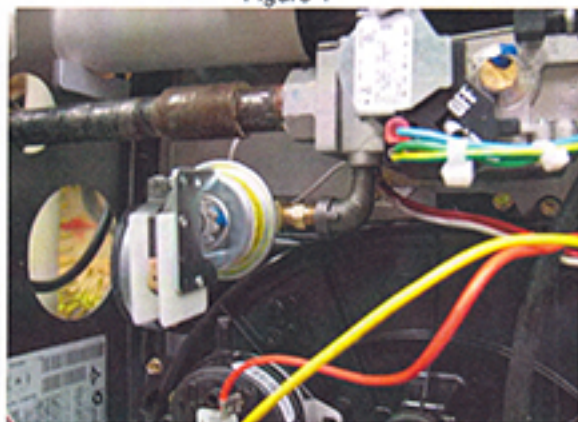


Figure 2



Figure 3

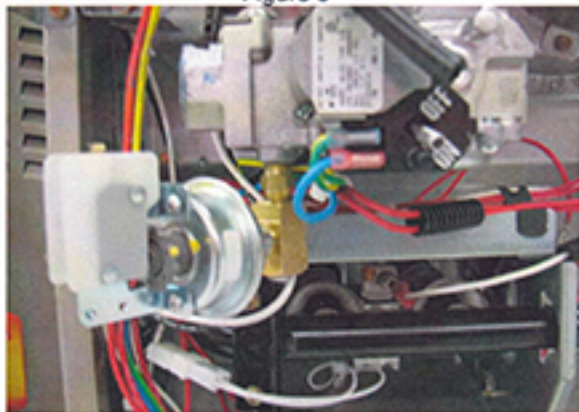


Figure 4

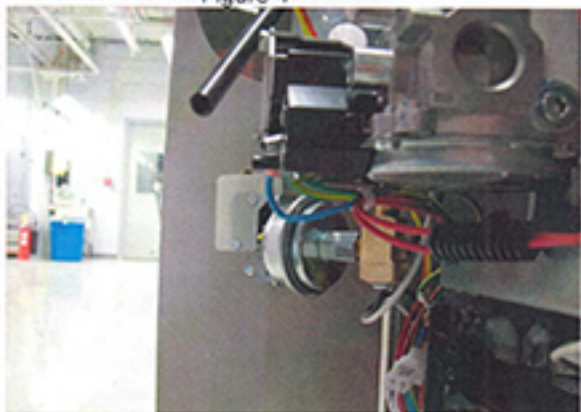


Figure 5

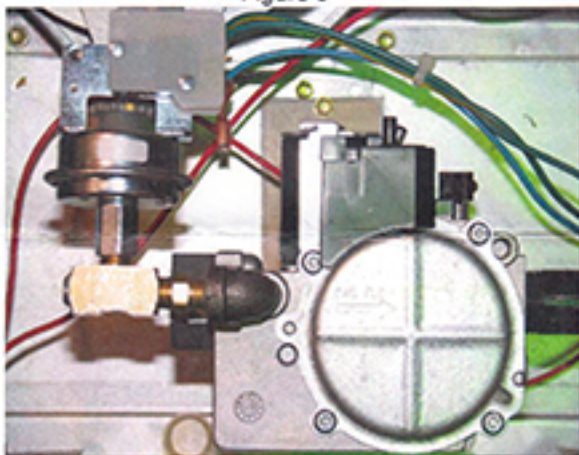


Figure 6

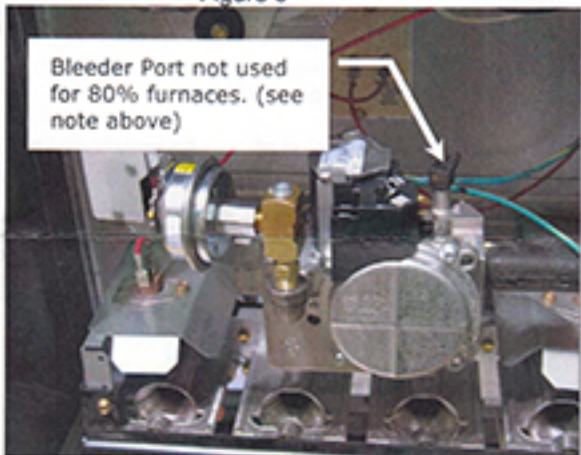


Figure 7

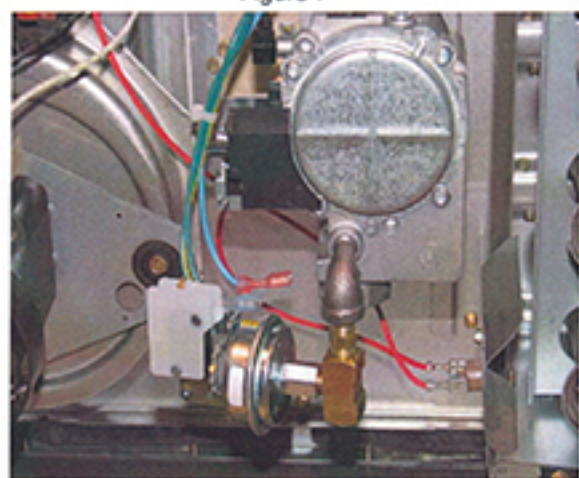
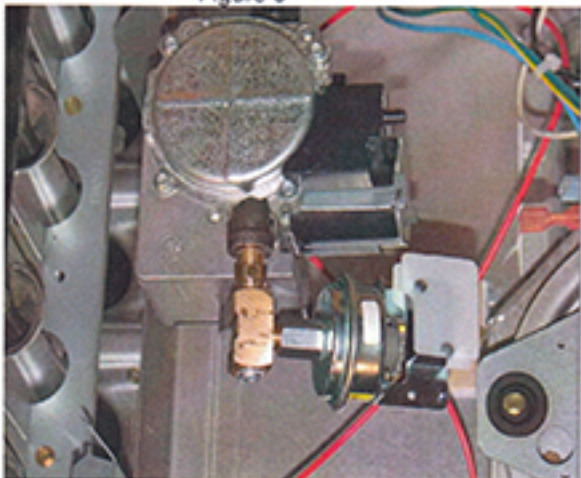


Figure 8



Installer: Save these instructions for future use!

**FAILURE TO READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY BEFORE
INSTALLING OR OPERATING THIS CONTROL COULD CAUSE PERSONAL
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 result, 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 regulated Natural Gas to regulated L.P. Gas conversion kit allows the 36C, 36D, 36E, 36F, 36G, 36H and 36J Series gas valves to be used on L.P. gas applications. This conversion kit is for use on all single stage, fast and slow open models.

TO CONVERT FROM NATURAL TO L.P. GAS

1. Remove regulator cover screw.
2. Remove regulator adjustment screw (beneath the cover screw).
3. Remove Natural Gas regulator spring from regulator sleeve.
4. Insert the L.P. regulator spring (provided in the conversion kit) into the regulator sleeve.
5. Replace the regulator adjustment screw. Then adjust the outlet pressure to the appliance manufacturer's specified outlet pressure.
6. Replace the regulator cover screw.
7. 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. label to the top of the regulator cover screw.
8. If present pilot burner is to be used, the pilot orifice must be replaced.

Conversion back to Natural Gas use may be made at a later date by retaining the Natural Gas spring (removed in step 3, above) and following the same procedures (except for burner pressure given in step 5).

NOTE

Two single stage kits may be used for 2-stage valve.
If the converted L.P. low regulator setting is less than 5.0" W.C., use the original natural gas spring.

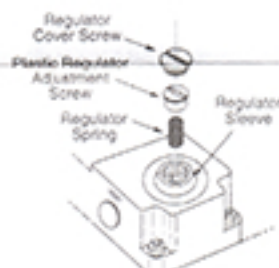


Figure 1. 36C and 36D Models

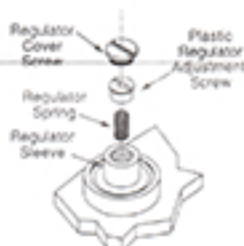


Figure 2. 36E, 36F, 36G, 36H and 36J Single Stage Models



Figure 3. Contents of kit