

Liquid Propane Conversion Kit

Supplemental Installation Instructions for LP/NG Pilot Kit (CVS303)

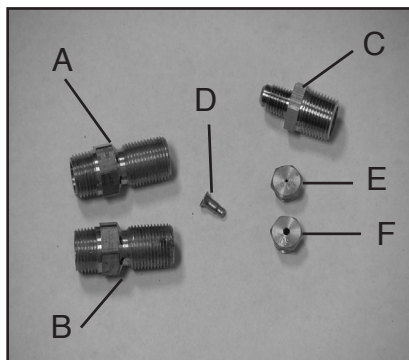
***For use with Dual and Infrared Burner Systems
(Used on Vented Gas log sets only)***

**NOTE: SAFETY PILOT SYSTEM MODEL CVS-303 MUST BE USED
WHEN INSTALLING THIS CONVERSION KIT.**

IMPORTANT

Please read and follow all instructions carefully. These instructions are to be used in conjunction with the General Installation Instructions supplied with all Vented Natural Gas sets. These instructions are also used in conjunction with the Safety Pilot Kit instructions (Model CVS-303) included with this kit.

National Code requirements mandate the use of a Safety Pilot Valve on all Liquid Propane Gas log installations. These regulations must be followed on all installations of this type.



CONVERSION KIT PARTS LIST:

PART NO.	DESCRIPTION
A	18" L.P. Air Shutter Orifice - small hole size
B	24" & 30" L.P. Air Shutter Orifice - large hole size
C	3/8 NPT x 1/8" Flare
D	Pilot Burner Orifice
E	18" L.P. Infrared Orifice (#56 drill size) - smaller size
F	24" L.P. Infrared Orifice (#53 drill size)

NOTE: Be sure to use pipe compound on all male threads to seal joints.

DUAL BURNER LOG SETS

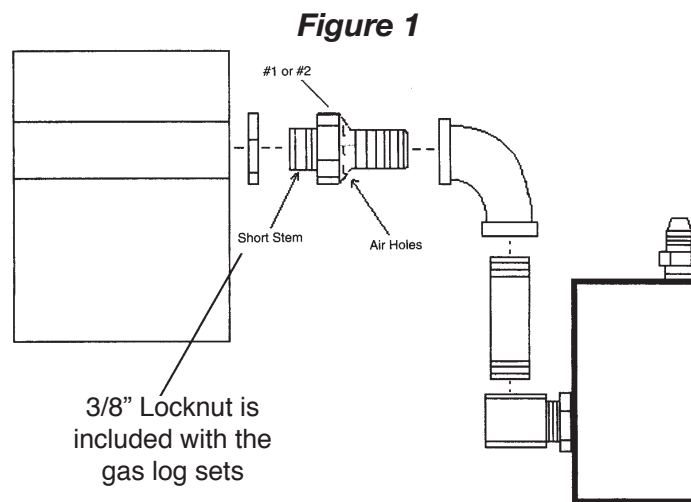
- A. Replace the *Natural Gas Orifice (Part #20)* included in the Safety Pilot Kit (Model CVS-303) with the *L.P. Air Shutter Orifice*. This kit contains (2) L.P Air Shutter Orifices, *Part A* and *Part B*. The orifice with the small inner hole is used on the 18" Log Sets. The orifice with the larger hole is used on 24" and 30" log sets. Be sure to attach the short stem on the appropriate *L.P. Air Shutter Orifice* directly to the Burner System for proper operation. (See Figure 1)

NOTE: Refer to the Safety Pilot Valve instructions supplied with the Model CVS-303 for detailed instructions on pilot installation.

- B. Replace the *Natural Gas Pilot Burner Orifice* with the *L.P./ Propane Orifice (Part D)* supplied with this kit.
1. Remove *Pilot Supply Line Nut (Part #14)* from the *Pilot Burner (Part #7)*. Replace *Natural Gas Orifice* with the *L.P. Gas Orifice (Part D)* included with this conversion kit.

NOTE: Refer to the detailed Safety Pilot Illustration on front cover for placement of the L.P. Pilot Orifice.

- C. Replace *Heavy Media (Granules)* supplied with the Natural Gas Log set with *Vermiculite Granules*, sold separately. **DO NOT USE Heavy Media Granules** as improper combustion will occur. After the *Vermiculite Bed* has been put in place, spread the *Glowing Embers* (insulation type material) supplied with the Gas Log Set over the *Vermiculite Bed*.



INFRARED BURNER LOG SETS

- A. Remove the Natural Gas Orifice pre-installed in the Main Burner and replace with the *L.P. Air Shutter Orifice*. This kit contains (2) L.P. Air Shutter Orifices, *Part A* and *Part B*. The orifice with the small inner hole is used on the 18" Log Sets. The orifice with the larger hole is used on 24" and 30" log sets. (See Figure 2)
- B. Attach 3/8" Female Elbow (Part #19) to the L.P. Air Shutter Orifice. Make sure the Elbow is angled in the same direction as the rear grate leg. Next attach the 3/8 NPT x 1/8" Flare Adapter (Part C) to the Elbow. (See Fig. 3, 4 & 5)
- C. VERY CAREFULLY bend the aluminum tubing and connect to the 3/8" Flared Fitting. (See Fig. 6)
- D. From the right hand back side of the Infrared Burner, Replace the Natural gas Infrared Orifice with the L.P. Infrared Orifice. (See Figure 7)
- E. Replace the *Natural Gas Pilot Burner Orifice* with the *L.P./ Propane Orifice (Part D)* supplied with this kit.
1. Remove *Pilot Supply Line Nut (Part #14)* from the *Pilot Burner (Part #7)*. Replace *Natural Gas Orifice* with the *L.P. Gas Orifice (Part D)* included with this conversion kit.

NOTE: Refer to the detailed **Safety Pilot Illustration** on front cover for placement of the L.P. Pilot Orifice.

- F. Replace *Heavy Media (Granules)* supplied with the Natural Gas Log set with *Vermiculite Granules*, sold separately. **DO NOT USE Heavy Media Granules** as improper combustion will occur. After the *Vermiculite Bed* has been put in place, spread the *Glowing Embers* (insulation type material) supplied with the Gas Log Set over the *Vermiculite Bed*.

