



1508 Elm Hill Pike, Suite 108
Nashville, TN 37210
www.IHP.US.com



P127176-01

127176-01 Rev. A 02/14

PC-DVF36TPSTNA CONVERSION KIT INSTALLATION INSTRUCTIONS

For Use When Converting 36" DVF Series Fireplaces from Natural Gas to Propane/LP Gas

This conversion kit must be installed by a qualified service person.

Read these instructions completely before installing this conversion kit.

Before proceeding, make sure the gas control valve is in the OFF position, all electrical power to appliance is OFF, and fireplace is cool to touch.

CAUTION: The gas supply shall be shut off prior to disconnecting electrical power before proceeding with conversion.

Parts included with this kit:

Part No.	Description	Qty.
108085-02	Pilot Orifice LP	1
23104	Main Burner Orifice LP	1
14488	Gas Valve Regulator	1
127214-01	Conversion Label, English	1
127215-01	Conversion Label, French	1
106080-01	Conversion Information Label	1

Tools Required:

- 10 mm Open End Wrench
- * 12 mm Open End Wrench
- 11/16" Open End Wrench or Adjustable Wrench
- 7/8" Open End Wrench or Adjustable Wrench
- Thread Sealant (Resistant to Propane/LP)
- Torx T20 or Slotted Screwdriver
- 5/16" Socket or Nut Driver
- #2 Short Phillips Screwdriver
- High Temperature Silicone Sealant (GE RTV 106/Locktite RTV81585)

ACCESSING FIREPLACE

Access burner system through either side of unit.

1. Remove upper and lower louver panels by pulling 4 spring latches toward center while pulling louver assembly away from unit. Latches are located 2 at each end of louvers (see Figure 1).
2. Remove screen rod, if installed, by sliding rod to left or right until rod end is free. Remove screen assembly from fireplace.
3. Open glass door by releasing 2 pairs of latches located on top and bottom of firebox (see Figure 2). You may need a screwdriver to extend spring loaded clasp over catch on door flanges. Use caution when opening latches.

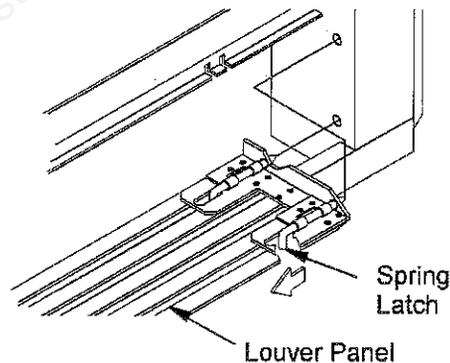


Figure 1 - Removing Louver Panel

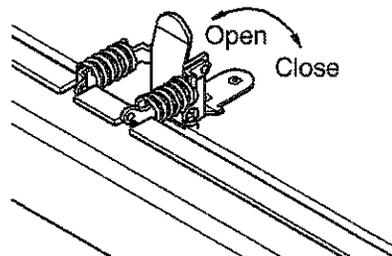


Figure 2 - Opening Glass Door

DISASSEMBLING HEARTH AND BURNER SYSTEM

1. Do not remove logs from grate. Lift grate off stands. Place entire assembly outside of unit for ease of reassembly (See Figure 3).
2. Remove (2) 5/16" hex screws holding burner in place. Slide burner forward off of orifice mount while lifting up.
3. Remove 2 side brick panels by lifting up inner edge above hearth pan and sliding brick inward into grate stand. Lift outer edge over flange of facing. If necessary, move hearth pan to one side or the other to remove remaining brick on opposite side. Center hearth pan.
4. Lift end flange of pan off of rear brick stand and raise up and out of firebox.

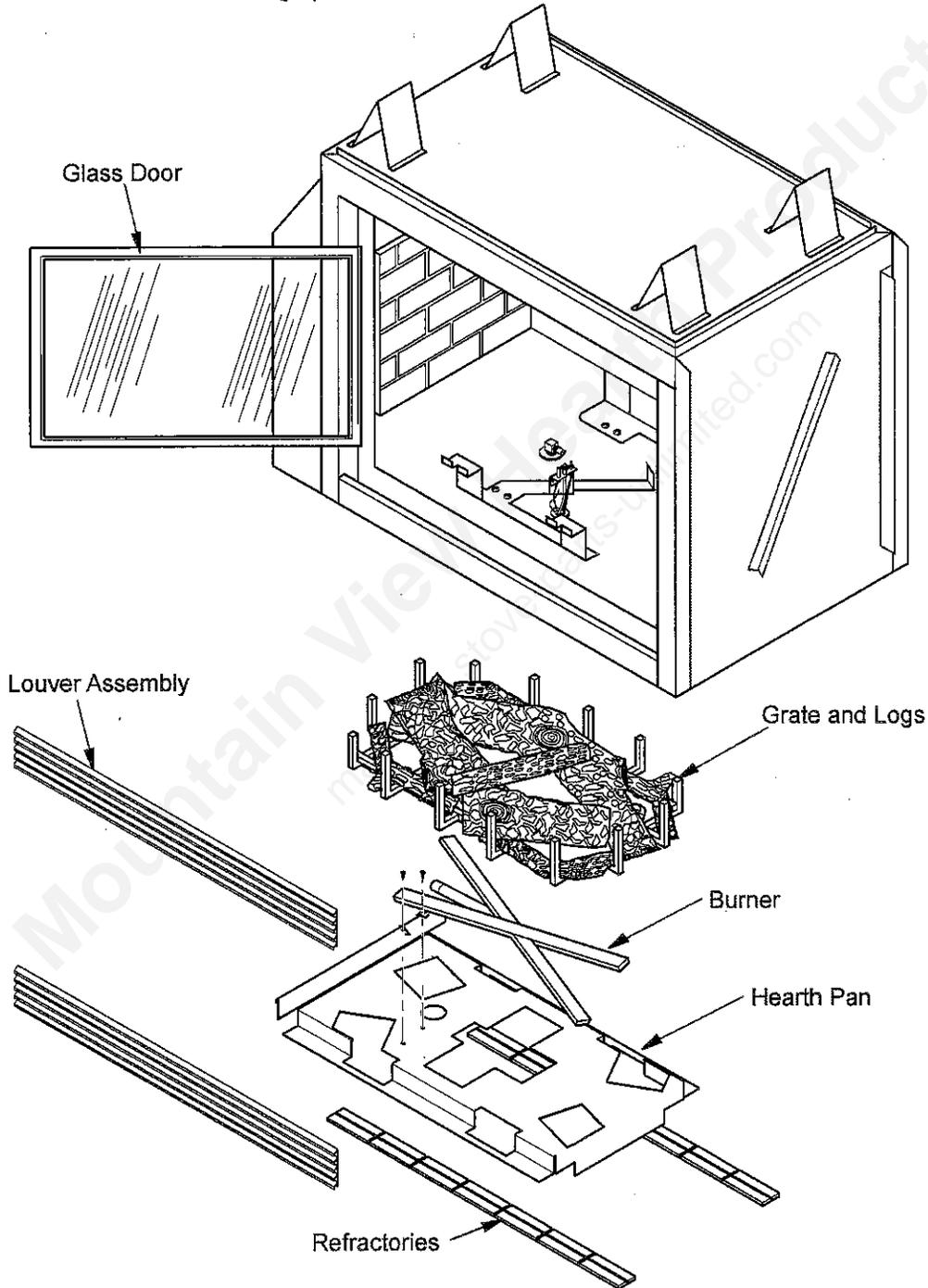


Figure 3 - Disassembly of Hearth System

MAIN BURNER ORIFICE CONVERSION

1. Using a 7/8" open end or adjustable back-up wrench, hold orifice mount while removing main burner orifice with an 11/16" open end wrench (see Figure 4).
2. Replace main burner orifice with orifice included with kit stamped with #51. Apply a light amount of propane/LP resistant sealant to male threads. Tighten orifice into mount using back-up wrench to maintain its centered position.

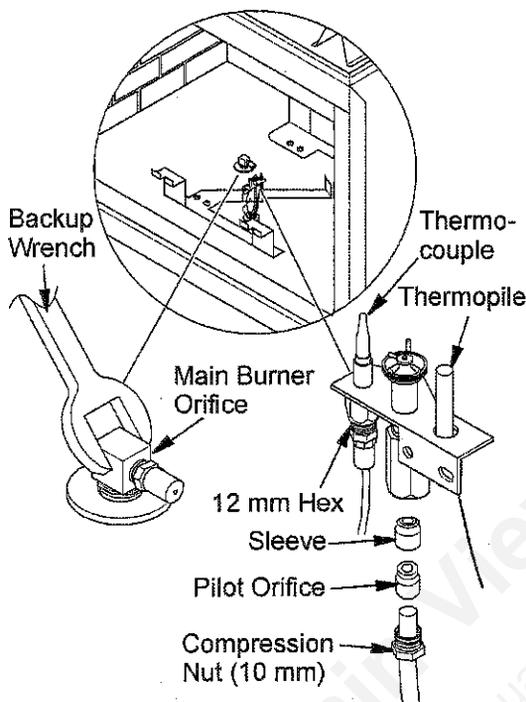


Figure 4 - Removing/Replacing Orifices

PILOT BURNER ORIFICE CONVERSION

1. Convert pilot burner by changing orifice. Remove compression nut using a 10 mm open end wrench and a 12 mm back-up wrench (see Figure 4).
2. Remove pilot orifice from barrel. If orifice will not come out, tap lightly against barrel with handle of screwdriver.
3. Replace pilot orifice with orifice included with kit stamped with #30. Place open end of new pilot orifice over compression sleeve and carefully slide it inside pilot burner. Tighten compression nut using back-up wrench.

IMPORTANT: Be careful not to bend or kink aluminum tubing during conversion. Make sure compression sleeve and pilot orifice are properly mated and aligned before tightening compression nut. If there is insufficient tube length to permit easy removal or reinstallation, remove pilot by loosening retaining nuts on thermopile, thermocouple and ignitor elements. With a #2 Phillips screwdriver unscrew pilot from bracket. Make certain all components are reinserted and tightened before completing orifice conversion. If, during conversion, seal is broken where leads pass through firebox bottom you must reapply RTV silicone to seal area.

REINSTALLING MAIN BURNER

1. Reinstall hearth pan by sliding end flange over bottom edge of refractory stand. Center hearth pan. Slide front edge down between raised hearth support.
2. Reinsert 2 side bricks in reverse order. Center view port in hearth pan over orifice mount.
3. Visually check air shutter setting on main burner. Air shutter should be fully opened for use with propane/LP gas. If not fully opened, loosen adjustment screw and turn air shutter until openings are fully exposed. Tighten adjustment screw.
4. Insert main burner venturi tube through center cutout in hearth pan. Slide air shutter mount over orifice (see Figure 5). Replace 2 mounting screws.

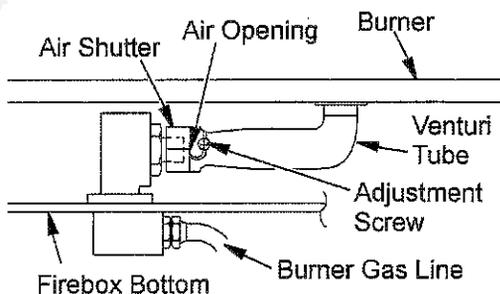


Figure 5 - Removing/Replacing Orifices

GAS CONTROL VALVE CONVERSION

Convert gas control valve by changing valve regulator portion of gas valve.

1. Using a TORX T20 or slotted screwdriver, remove and discard 3 mounting screws, pressure regulator tower, and diaphragm/spring components (see Figure 6).
2. Insure rubber gasket is properly positioned on new pressure regulator assembly. Install new pressure regulator assembly to valve using new mounting screws supplied with kit. Tighten screws securely (approximately 25 in-lbs.) See Figure 7.
3. Install identification label enclosed with gas valve regulator to valve body where it can easily be seen (see Figure 7).

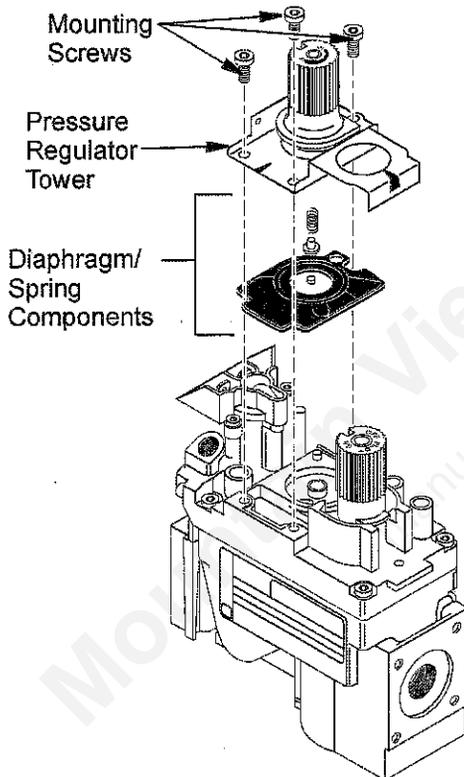


Figure 6 - Removing Mounting Screws, Pressure Regulator Tower, and Diaphragm/Spring Components

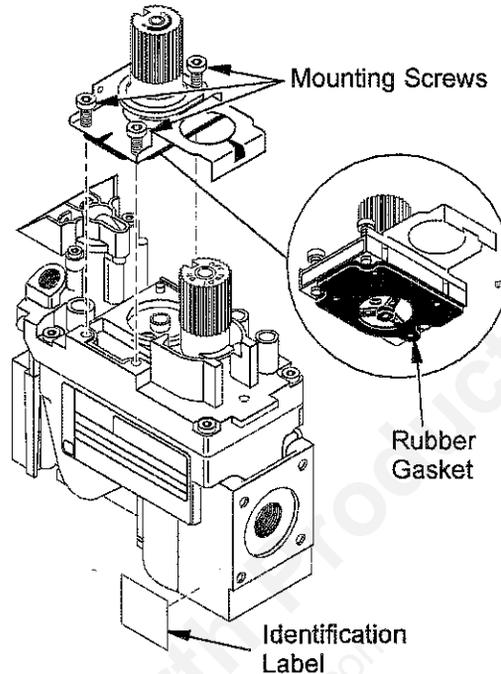


Figure 7 - Installing Pressure Regulator Assembly

CONVERSION LABELING AND PLACEMENT

1. Apply English and French conversion labels over existing certification labels (see Figure 8). Existing certification labels are located on lighting instruction plate inside gas valve compartment area. With permanent ink, print previous model number on label in space provided (see Figure 9, page 5).
2. After filling in data required on conversion information label, affix to floor of appliance where it is easily seen when bottom louver panel is removed (see Figure 10, page 5).

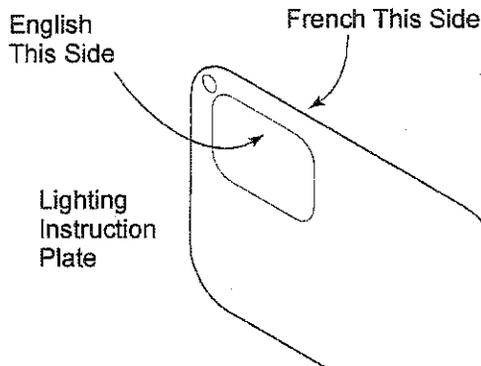


Figure 8 - Applying English and French Conversion Labels Over Existing Certification Labels on Lighting Instruction Plate

