

INSTALLATION INSTRUCTIONS FOR CONVERSION NATURAL TO PROPANE/LP

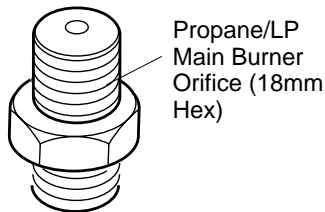
SHOULD BE DONE BY A QUALIFIED GAS SERVICE TECHNICIAN

⚠ WARNING: This conversion kit must be installed by a qualified service agency in accordance with the manufacturer 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 is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

BEFORE YOU BEGIN

The conversion parts are packaged with the fireplace. Please check the contents before beginning this conversion. Each model includes a brass main burner orifice and a smaller sized pilot orifice.

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



Propane/LP Main Burner Orifice (18mm Hex)

Note:
For Model MBDV37 - #55 Drill Size (Stamped with #132 for Identification)
For Model MBDV41 - #54 Drill Size (Stamped with #139 for Identification)

Note: The pilot orifice has the number 30 stamped on it for identification purposes (Both Models).

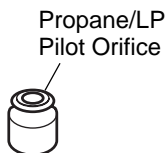


Figure 1 - Main Burner Orifice and Pilot Orifice

REMOVING GLASS DOOR

1. Remove the upper louver panel by lifting upward and out (see Figure 2).
2. Using a 3/8" socket or slotted screwdriver remove the screws from the three tabs at the top of the glass door (see Figure 3). Hold glass door securely to keep it from falling forward.
3. Grasp door by both sides and ease it upward off the lower bracket (see Figure 3).

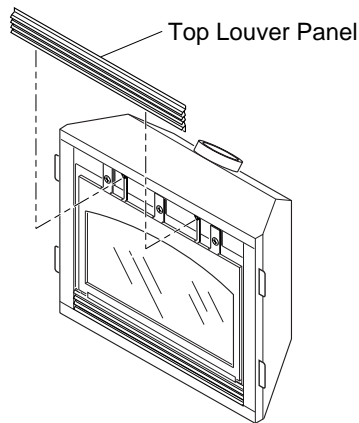


Figure 2 - Removing Top Louver Panel

LOG REMOVAL

Carefully remove the log set and ember material from around the burner and place them outside the fireplace.

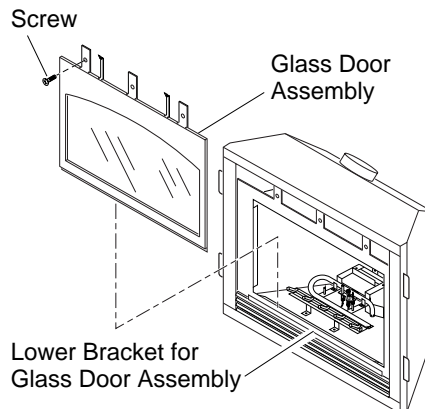


Figure 3 - Removing/Replacing Glass Door

BURNER AIR SHUTTER ADJUSTMENT, MAIN BURNER ORIFICE, AND PILOT ORIFICE CONVERSION

1. Open lower louver panel. This allows access below firebox to gas line connections and gas control valve.
2. Disconnect flare fitting connected to the brass elbow inside the bottom control compartment area. Use a 3/4" open end wrench on the flare fitting (see Figure 4).
3. Turn brass elbow and main burner orifice counterclockwise to remove from burner. The orifice is threaded into the burner inlet. The elbow may have a slight resistance since the orifice has been sealed with RTV silicone. Use a 7/8" open end wrench or channel lock pliers for elbow and orifice removal.
4. Remove existing main burner orifice from brass elbow and replace with main burner orifice supplied with the fireplace. **Note:** The new main burner orifice for propane/LP will have the number 132 (Model MBDV37 only) or the number 139 (Model MBDV41 only) stamped on it for identification purposes. Apply a small amount of thread sealant to the orifice before tightening (see Figure 5, page 2). Sealant must be resistant to Propane/LP gas.

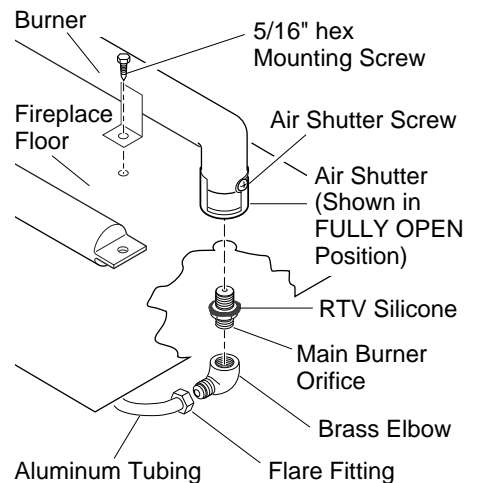


Figure 4 - Removing/Replacing Main Burner Orifice, Brass Elbow, and Aluminum Tubing

Continued

INSTALLATION INSTRUCTIONS *Continued*

- Remove the burner by loosening the two 5/16" hex mounting screws (see Figure 5). Lift burner up and out.
- Convert the pilot burner by changing out the pilot orifice. Remove the compression nut and compression sleeve from the pilot. Remove the pilot orifice from inside the pilot barrel (see Figure 6). Replace with the pilot orifice supplied with the fireplace. **Note:** The new pilot orifice has the number 30 stamped on it for identification purposes.
- Place open end of pilot orifice on top of compression sleeve and carefully slide up inside pilot burner. Tighten compression nut (see Figure 6). **IMPORTANT:** Be careful not to bend or kink aluminum tubing during conversion. Make sure the compression sleeve and pilot orifice are properly mated and aligned before retightening the compression nut.
- Adjust air shutter setting on main burner. Loosen air shutter screw and rotate air shutter to FULLY OPEN position (see Figure 4, page 1). Tighten shutter screw. Place burner back into position. Attach with the two 5/16" hex mounting screws removed in step 5.
- Attach main burner orifice and brass elbow assembly to burner. Place main burner orifice into threaded end of burner and turn clockwise to tighten (see Figure 4, page 1). Align the brass elbow with the flare fitting on the aluminum tubing.
- Reconnect the aluminum tube flare fitting onto the brass elbow (see Figure 4, page 1).
- Reapply RTV silicone to seal area where orifice passes through the bottom combustion chamber (see Figure 4, page 1).

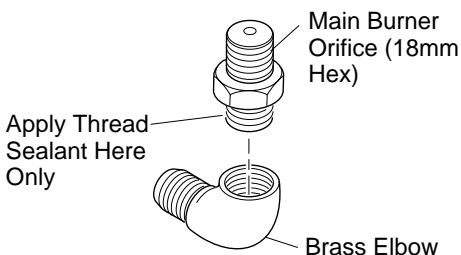


Figure 5 - Removing/Replacing Main Burner Orifice

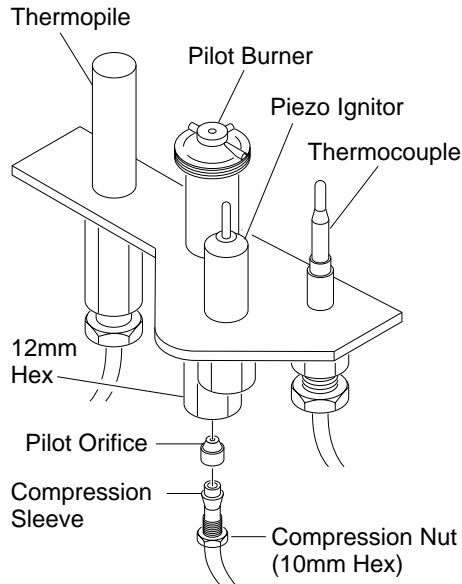


Figure 6 - Removing/Replacing Pilot Orifice

GAS CONTROL VALVE CONVERSION

The SIT Nova millivolt valve converts from natural gas to propane/LP gas with the reversal of the conversion screw located on the stem in the top of the valve (see Figure 7). The valve is located in the bottom of the fireplace underneath the firebox.

Remove the conversion screw from the valve and rotate the screw 180 degrees. The screw is clearly marked as **NG** or **LPG**, insure that the **LPG** is facing outward. Tighten the screw fully but do not over tighten.

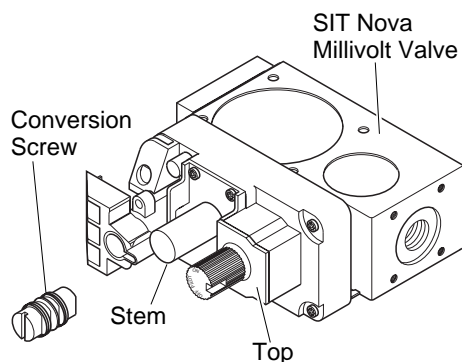


Figure 7 - Valve

FINAL PREPARATION

- Replace logs and embers back into the correct positions as instructed in your appliance owner's manual.
- Reinstall glass door and upper louver panel on fireplace. To do so, reverse the instructions under *Removing Glass Door* on page 1.

The conversion is now complete.

Refer to the section on *Checking Gas Connections* and *Operating Fireplace* in your appliance owner's manual.

WARNING: Test all gas piping and connections for leaks after installing or servicing. Correct leaks at once.

WARNING: Never use an open flame to check for a leak. Apply commercial leak test solution to all gas joints. Bubbles forming show a leak. Correct all leaks at once.

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