

**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 AUTHORIZED AGENCY HAVING JURISDICTION. IF THE INFORMATION IN THESE INSTRUCTIONS ARE NOT FOLLOWED EXACTLY, A FIRE, EXPLOSION OR PRODUCTION OF CARBON MONOXIDE MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE. THE INSTALLATION IS NOT PROPER AND COMPLETE UNTIL THE OPERATION OF THE CONVERTED APPLIANCE IS CHECKED AS SPECIFIED IN THE OWNER INSTRUCTIONS SUPPLIED WITH THE KIT.**

**AVERTISSEMENT: CET ÉQUIPEMENT DE CONVERSION SERA INSTALLÉ PAR UNE AGENCE QUALIFIÉE DE SERVICE CONFORMÉMENT AUX INSTRUCTIONS DU FABRICANT ET TOUTES EXIGENCES ET CODES APPLICABLES DE L'AUTORISÉS AVOIR LA JURIDICTION. SI L'INFORMATION DANS CETTE INSTRUCTION N'EST PAS SUIVIE EXACTEMENT, UN FEU, EXPLOSION OU PRODUCTION DE PROTOXYDE DE CARBONE PEUT RÉSULTER LE DOMMAGES CAUSER DE PROPRIÉTÉ, PERTE OU BLESSURE PERSONNELLE DE VIE. L'AGENCE QUALIFIÉE DE SERVICE EST ESPONSABLE DE L'INSTALLATION PROPRE DE CET ÉQUIPEMENT. L'INSTALLATION N'EST PAS PROPRE ET COMPLÈTE JUSQU'À L'OPÉRATION DE L'APPAREIL CONVERTI EST CHÉQUE SUIVANT LES CRITÈRES ÉTABLIS DANS LES INSTRUCTIONS DE PROPRIÉTAIRE PROVISIONNÉES AVEC L'ÉQUIPEMENT.**

#### In Canada

THE CONVERSION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROVINCIAL AUTHORITIES HAVING JURISDICTION AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE CAN1-B149.1 AND .2 INSTALLATION CODE.

LA CONVERSION DEVRA ÊTRE EFFECTUÉE CONFORMÉMENT AUX RECOMMANDATIONS DES AUTORITÉS PROVINCIALES AYANT JURIDICTION ET CONFORMÉMENT AUX EXIGENCES DU CODE D'INSTALLATION CAN1-B149.1 ET.2.

This Gas Conversion Kit contains all of the necessary components needed to complete the conversion of an appliance from the use of one type of gas to the use of another, including labeling that must be affixed to ensure safe operation.

**ALWAYS REFER TO THE APPLIANCE INSTALLATION AND HOMEOWNERS CARE AND OPERATION DOCUMENTS BEFORE COMPLETING A CONVERSION. ALL WARNINGS, CAUTIONS AND DETAILED INSTRUCTIONS CONTAINED THEREIN ARE APPLICABLE TO THIS DOCUMENT.**

To complete the conversion proceed as follows:

***Note:** After converting the valve and gas components, refer to the appliance installation and homeowners care and operation instructions to adjust the air shutter opening for the gas type used.*

**Step 1.** Turn off the gas supply to the appliance. Remove the front glass door/frame (if used) from the appliance. Access the control compartment.

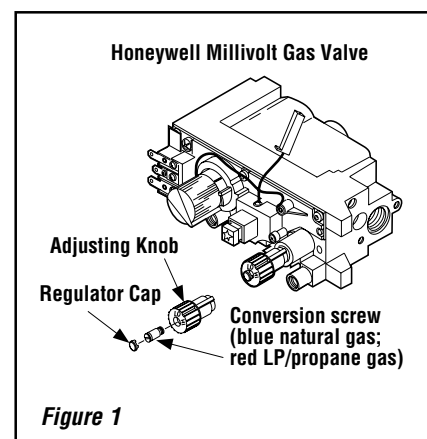
**Step 2.** Carefully remove the logs. Exercise care as not to break the logs.

**Step 3.** Locate the screws securing the burner (tray) to the appliance. Remove the burner and retain the securing screws.

#### Step 4. Millivolt Appliances - Honeywell Systems

**a. Convert the gas valve as follows (see Figure 1):**

Remove the plastic protecting cap. Remove the gas type setting screw by turning it counter-clockwise. Obtain the replacement gas type setting screw from the kit and screw it into place (red for propane and blue for natural gas). Tighten the gas type setting screw by turning it clockwise. Replace the plastic protecting cap.



NOTE: DIAGRAMS & ILLUSTRATIONS NOT TO SCALE.

b. Attach manometer to the manifold side pressure test fitting and verify manifold pressure reads 3.5 inches water column (0.87 kPa) for natural gas, and 10.0 inches water column (2.49 kPa) for propane gas.

c. Convert the pilot orifice as follows (see **Figures 2, 3 and 4**):

**Note - Use extra care not to engage the orifice strip with the 7/16" open end wrench (contacting the orifice strip could cause strip distortion rendering the pilot inoperative). Also avoid wrench contact to any of the other pilot parts.**

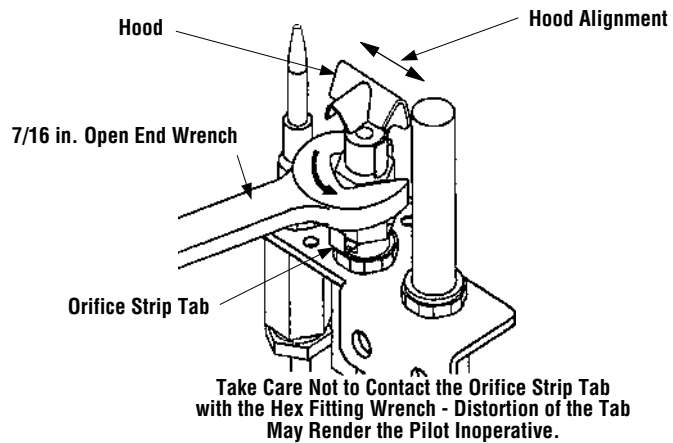
Use a 7/16" open end wrench and turn the pilot hex fitting counter-clockwise 1/4 turn. (See **Figure 2**).

**Note - The orifice strip tab may be randomly located on any side of the hex fitting.**

d. Push the orifice strip tab all the way against the hex fitting to align the appropriate gas type orifice (**see Figures 3 and 4**). The type of gas for which the pilot is set, is, the gas type shown on the tab.

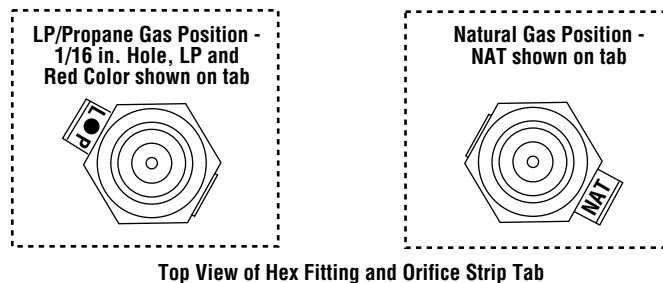
e. Retighten, clockwise, the pilot hex fitting until the pilot hood aligns with the thermocouple and thermopile as indicated by the arrows shown in **Figure 2**.

### Pilot for Honeywell Millivolt Gas Valve (Loosening of Hex Fitting For Orifice Strip Tab Positioning)



**Figure 2**

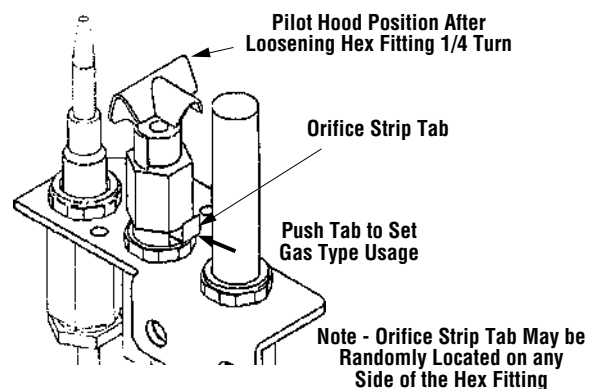
### Pilot for Honeywell Millivolt Gas Valve Orifice Strip Tab Position Identification For LP/Propane and Natural Gas



**Top View of Hex Fitting and Orifice Strip Tab**

**Figure 3**

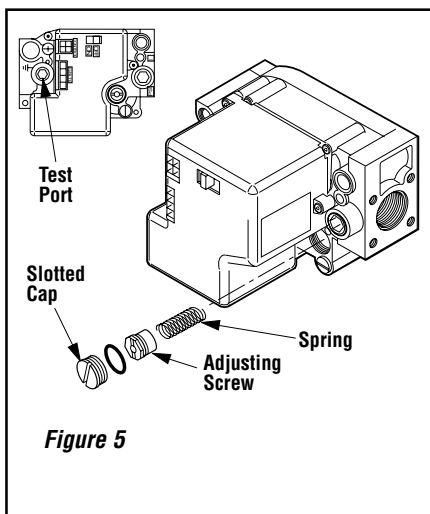
### Pilot for Honeywell Millivolt Gas Valve Orifice Strip Tab Positioning



**Figure 4**

## Step 5. Electronic Appliances - Honeywell Systems

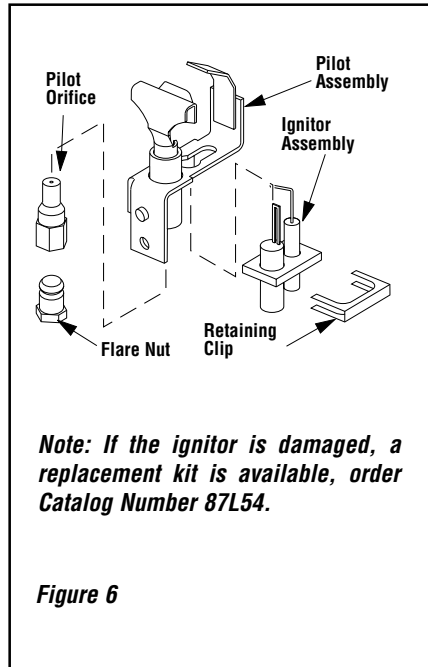
See **Figure 5** and the instructions provided with the kit. Remove the slotted cap screw, o-ring, pressure-regulating adjusting screw and spring. Retain all parts for possible later use. Install new components from the kit. Black cap and red spring for propane gas units. Silver cap and stainless steel spring for natural gas units. Before installing the cap, attach manometer to the manifold side pressure test fitting and adjust screw until pressure reads 3.5 inches water column (0.87 kPa) for natural gas, and 10.0 inches water column (2.49 kPa) for propane gas.



**Figure 5**

See **Figure 6** and replace the pilot orifice as follows: Remove the ignitor assembly retainer clip, and carefully remove the ignitor assembly. **Exercise extreme care to prevent damage to or breakage of the ignitor assembly.** Remove the screw securing the pilot assembly to its mounting bracket. Back off the flare nut at the end of the pilot gas line to free the pilot assembly from the gas line. Remove the pilot orifice and replace it with the one provided with the conversion kit. Reinstall the pilot assembly by reversing the **steps** detailed here.

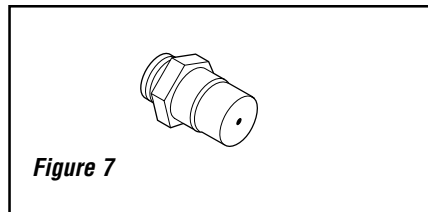
**When reinstalling the ignitor assembly, use extreme care to prevent damage and breakage. Do not apply any leverage to the ignitor assembly while restoring the retainer clip to its original position.**



**Figure 6**

### All Models

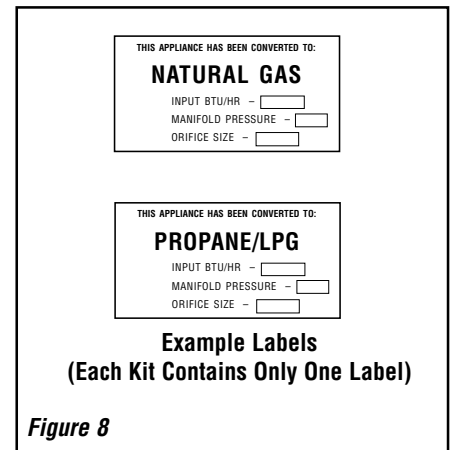
**Step 6.** Unscrew the main orifice, (**Figure 7**) from the manifold and replace it with the one provided with this kit.



**Figure 7**

**Step 7.** Reassemble all removed components by reversing the procedures outlined in the preceding steps. Use pipe joint compound or Teflon tape on all pipe fittings before installing (ensure propane resistant compounds are used in propane applications, do not use pipe joint compounds on flare fittings). Adjust the air shutter opening on the burner tube, refer to Note on **page 1**.

**Step 8.** Attach the conversion kit label (**Figure 8**) to the rating plate on the appliance.



**Figure 8**

**Step 9.** Turn on gas supply and test for gas leaks, using a soapy water solution.

---

Innovative Hearth Products reserves the right to make changes at any time, without notice, in design, materials, specifications, and prices, and also to discontinue colors, styles, and products.  
Consult your local distributor for fireplace code information.

**Printed in U.S.A. © 2015 INNOVATIVE HEARTH PRODUCTS LLC**  
**P/N 750083M Rev. B 05/2015**



P750083M



**1508 Elm Hill Pike, Suite 108**  
**Nashville, TN 37210**  
**IHP.US.COM**