



**HEARTH PRODUCTS**

HEARTH PRODUCTS  
KITS AND ACCESSORIES

750,241M  
Rev. A, 10/2007

SHORELINE GAS CONVERSION INSTRUCTIONS NG TO LP  
CAT. NO. H5678, MODEL SHR-CK-NG TO LP

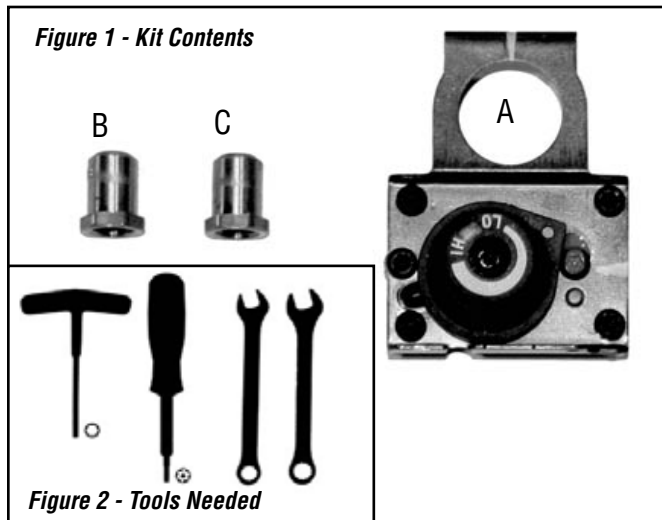
**INSTALLATION INSTRUCTIONS FOR CONVERTING FROM NATURAL GAS (NG)  
TO PROPANE GAS (LP). FOR USE WITH THE SHORELINE™ DIRECT VENT GAS FIREPLACE INSERTS**

**KIT CONTENTS (See Figure 1):**

- 1 ea. Nova SIT NG Regulator Kit (A)
- 1 ea. #49 LP main burner orifice (40,000 BTU's)(B)
- 1 ea. #51 LP main burner orifice (33,000 BTU's)(C)
- 1 ea. Sticker "SHR33" if using orifice #51
- 1 ea. Instruction Sheet

**TOOLS NEEDED (See Figure 2):**

- 1 5/32" Allen Wrench Or T-Handle Wrench
- 1 Torx Bit
- 1 1/2" Wrench
- 1 7/16" Open End Wrench



**! 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 chèque suivant les critères établis dans les instructions de propriétaire provisionnées avec l'équipement.

**! IMPORTANT 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 CAN/CSA B149.1 Installation code.

**! IMPORTANT LE CANADA SEULEMENT**

La conversion devra être effectuée conformément aux recommandations des autorités provinciales ayant juridiction et conformément aux exigences du code d'installation CAN/CSA B149.1 .

**! 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 this installation is responsible for the proper installation of this kit and assumes responsibility for this conversion. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturers instructions supplied with the kit.

**! IMPORTANT**

The burner orifices provided in this kit are only for use at elevations of 0 to 2,000 feet (610 M) in the USA and 0 to 4,500 feet (0-1372 M) in Canada. At higher elevations the BTU input must be de-rated by 4% for every 1,000 feet (305 M) to maintain the proper ratio of gas to air. If the installer must convert the unit to adjust for varying altitudes, a deration information sticker must be filled out by the installer and adhered to the appliance at the time of the conversion. Contact your local gas supplier for deration requirements for your area.

**READ ALL THE STEPS BEFORE STARTING THE CONVERSION.**  
**INSTALLER NOTICE: THESE INSTRUCTIONS MUST BE LEFT WITH THE APPLIANCE.**

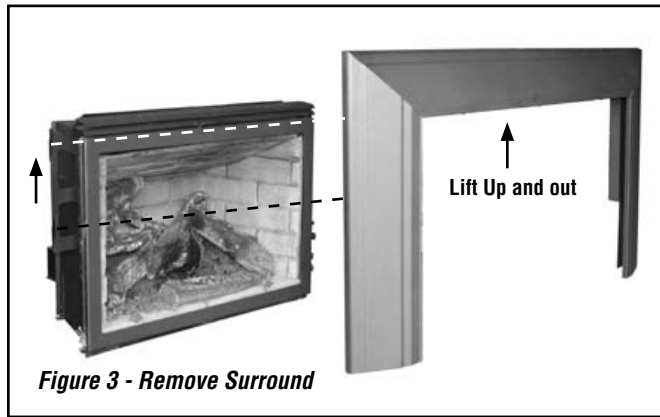
This kit contains components required to convert this appliance from using Natural Gas to using Propane Gas as the only fuel. All of these components must be replaced in order for the unit to operate safely on Propane Gas.

When installing gas components use pipe joint compound or Teflon tape on all pipe fittings before installing (ensure propane resistant compounds are used, do not use pipe joint compounds on flare fittings).

## INSTALLATION INSTRUCTIONS

**Step 1.** Turn off the gas supply to the appliance.

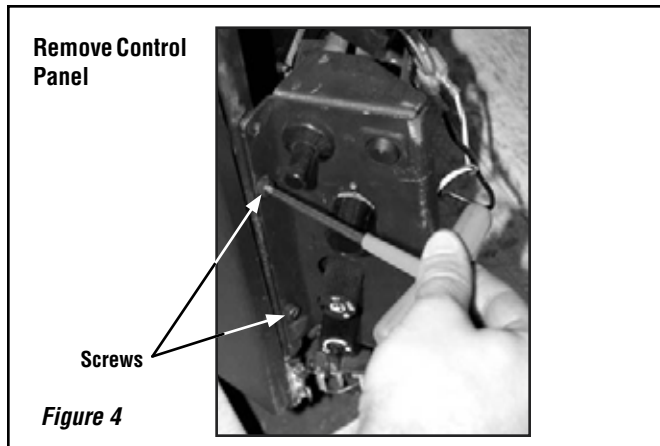
**Step 2.** Remove the surround as shown here (also see *Page 31* of the Installation and Operation Manual).



**Figure 3 - Remove Surround**

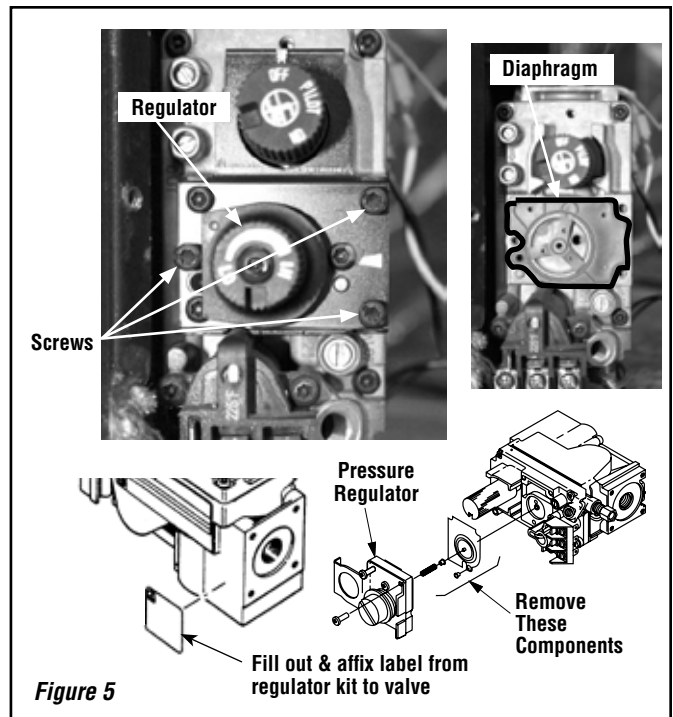
**Step 3.** Remove the door from the insert (see *Page 12* of the *Installation and Operation Manual*). Carefully remove the logs. Exercise care so as not to break the logs. Set aside in a safe place.

**Step 4.** Remove the control panel by using the 5/32" allen wrench or T-handle to remove the two 10-24 screws in control panel. Move it to the side being careful with the wiring.



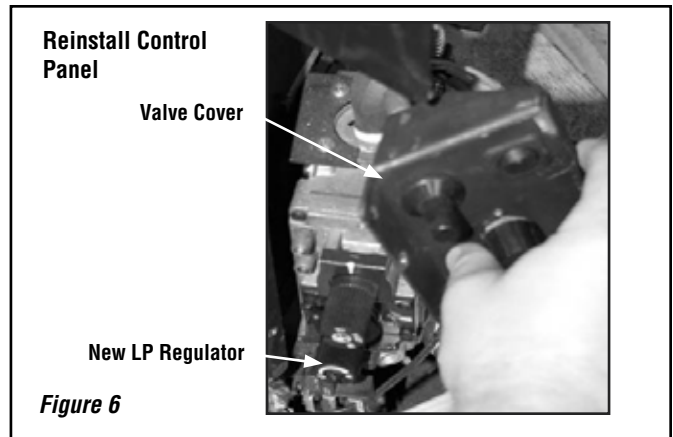
**Figure 4**

**Step 5.** Using a Torx T20, or a flat screwdriver, remove and discard the three pressure regulator mounting screws (see *Figure 5*). Remove the pressure regulator, spring, poppet, diaphragm and bushing. Discard all removed components. Ensure the diaphragm installed on the back of the replacement pressure regulator is properly positioned and install the new pressure regulator using the new screws supplied with this kit. Tighten screws to 25 In. lb. torque. Locate the label provided in the regulator kit. Write in the required information, then affix it to the valve as shown in *Figure 5*.



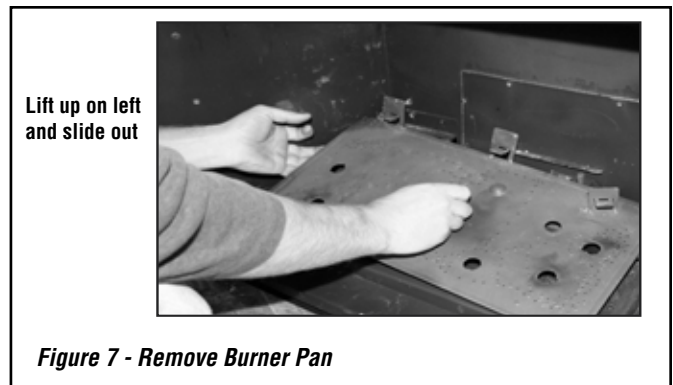
**Figure 5**

**Step 6.** Reinstall the control panel back over the valve, again, being careful with the wiring. Use the 5/32" allen wrench or T-handle to install two 10-24 screws and tighten back down.

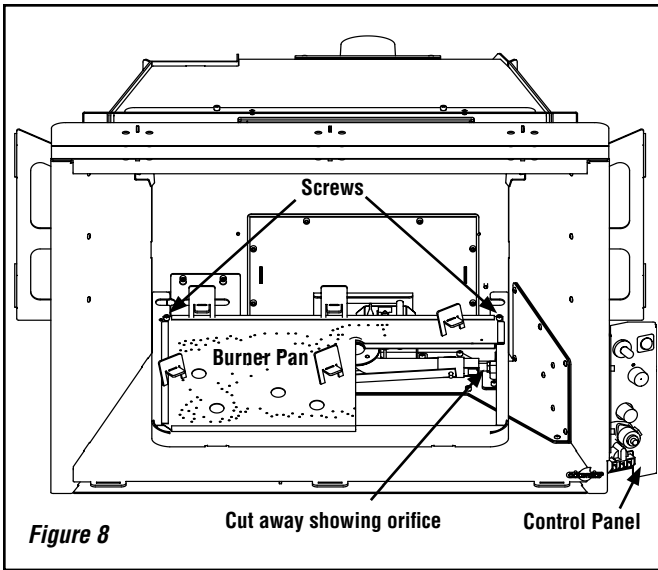


**Figure 6**

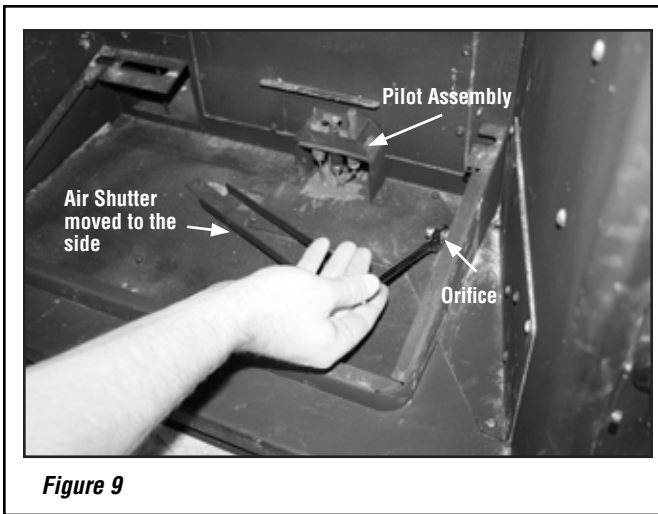
**Step 7.** Slide the air shutter control lever all the way to the right. Remove the two screws near the rear corners of the burner pan. Remove the burner pan by lifting up on the left side, sliding the burner to the left and lifting it out once burner neck has slid out of the air shutter.



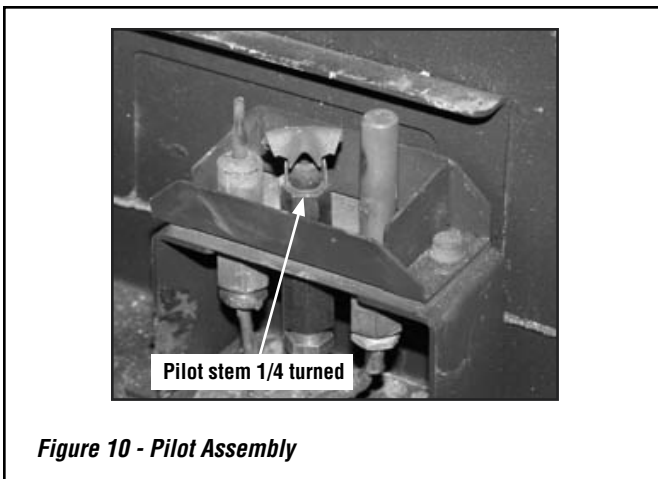
**Figure 7 - Remove Burner Pan**



**Step 8.** Move the air shutter off of the orifice and, using a 1/2" wrench, remove the orifice by turning counter-clockwise. Replace the NG orifice with the LP main burner orifice included in this kit (#49 for 40,000 BTU's - #51 for 33,000 BTU's).

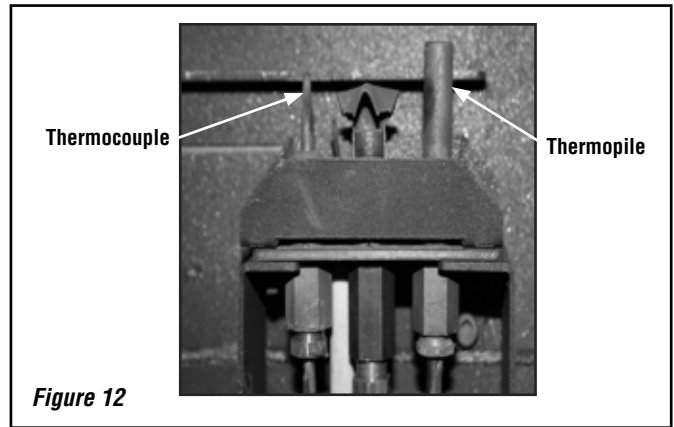
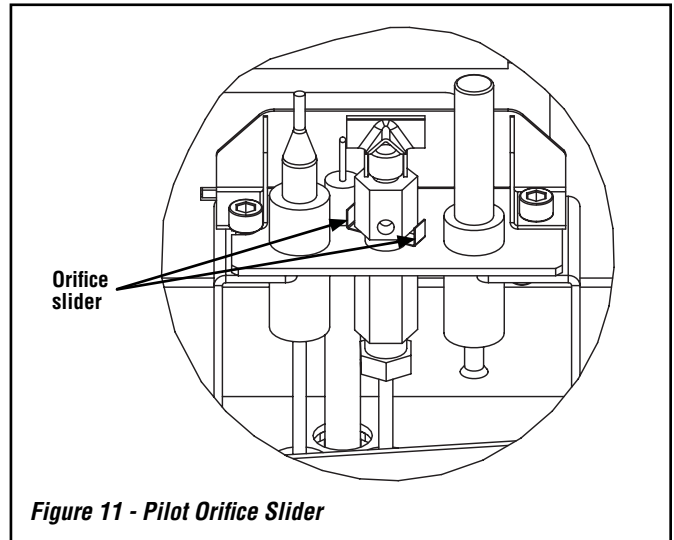


**Step 9.** Using a 7/16" open end wrench, loosen the pilot stem with a 1/4 turn counter-clockwise.

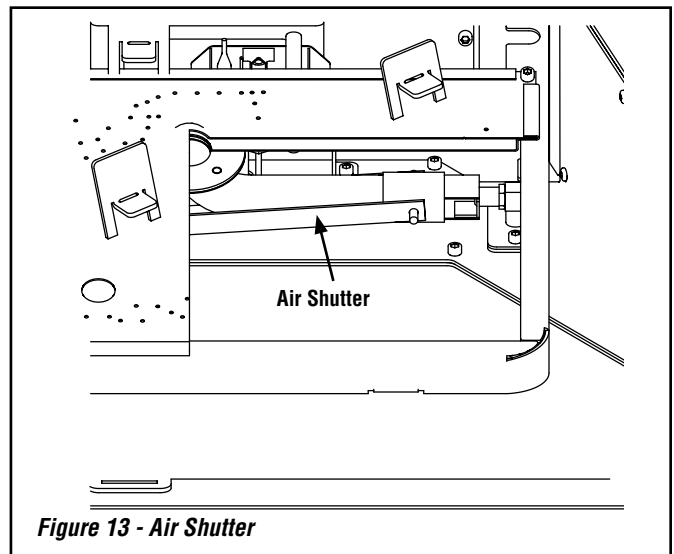


**Step 10.** Convert the orifice to LP by pushing the orifice slider to the left. The top side of the orifice slider should now appear red and will be labeled "LP" (see **Figure 11**).

**Step 11.** Retighten the pilot orifice with the 7/16" open end wrench. **Ensure the orifice slider stays in the LP position while tightening and that it aligns with the thermocouple and thermopile.**



**Step 12.** Reinstall the burner, right side first, making sure that the burner neck is seated in the air shutter.



**Step 13.** Before you secure the burner with screws, double check that the orifice is seated into the burner neck. You're able to see if orifice is seated by looking through the right upper secondary air hole. Then lower the burner so it sits flush in the burner supports and replace the two screws removed in step 7.

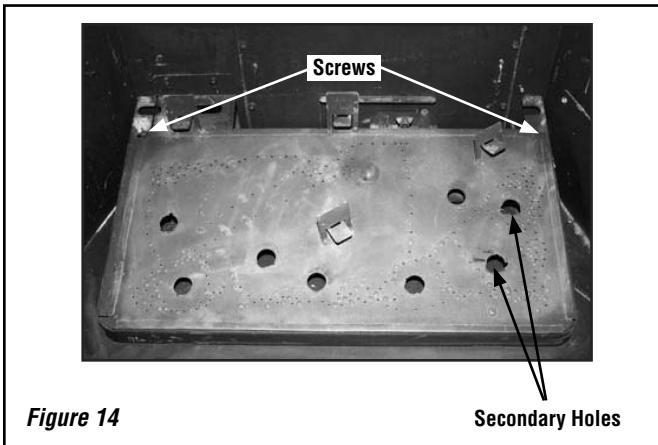


Figure 14

Secondary Holes

**Step 14.** Replace or remove the sticker near the top of the Shoreline safety card located under the front door. If you need to label the stove SHR33 use one of the stickers included in this kit, if it is converted to SHR40, remove all stickers off of the safety card. (If #49 orifice is used, unit is SHR40 and if #51 orifice is used, unit is SHR33).

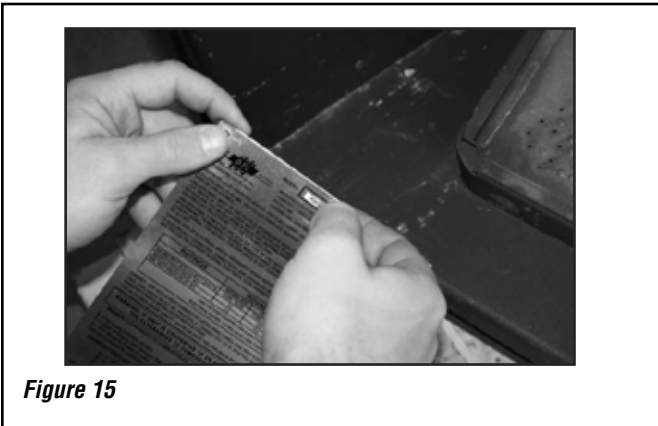


Figure 15

**Step 15.** Turn on gas supply and test for gas leaks using a gas leak test solution (see *Test Procedure* on **Page 17** of the *Installation and Operation Manual*).

**Step 16.** Using a manometer, test the inlet and manifold gas pressure per instructions in the *Installation and Operation Manual* (**Page 17**) and as shown in the following 2 tables.

Inlet Gas Supply Pressure			
Fuel #	Minimum	Maximum	Desired
Propane	10.5" WC/po. C.E (2.61 kPa)	13.0" WC/po. C.E (3.23 kPa)	11" WC/po. C.E (2.74 kPa)

Manifold Gas Supply Pressure		
Fuel #	Low	High
Propane	(Lo) 5.4" WC/po. C.E (1.35 kPa)	(Hi) 10.0" WC/po. C.E (2.49 kPa)

**Step 17.** Reinstall the the log set and glass door assembly. See **Pages 14 and 15** (*Log Set Installation*) and **Page 12** (*Door Assembly Installation*) in the *Installation and Operation Manual*.

**Step 18.** Light the appliance per the lighting instructions label on appliance (located below glass door) or lighting instructions on **Page 36** in the *Installation and Operation Manual*. Inspect for proper pilot and burner flame appearances. See *Flame Appearance and Sooting* on **Page 19** and *Inspect The Pilot System For Proper Flame* on **Page 22** in the *Installation and Operation Manual*. Also see **Figures 16 and 17** below.

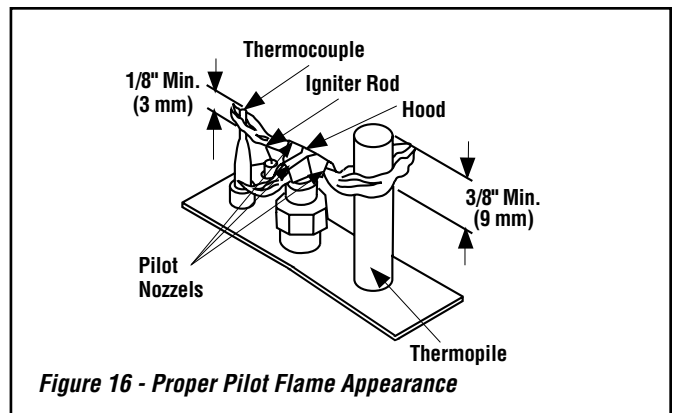


Figure 16 - Proper Pilot Flame Appearance

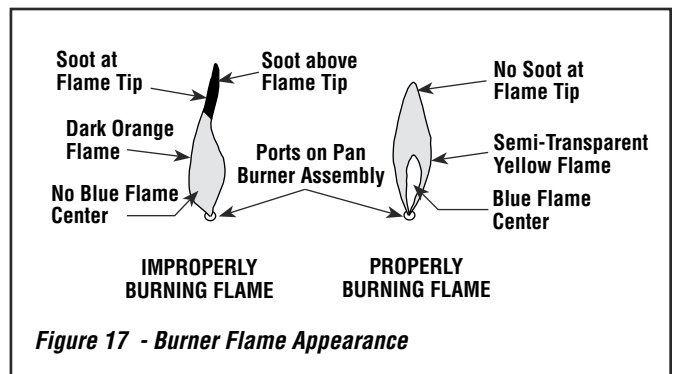


Figure 17 - Burner Flame Appearance

NOTE: DIAGRAMS AND ILLUSTRATIONS ARE NOT TO SCALE.

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



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