



HEARTH PRODUCTS

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KITS AND ACCESSORIES

775,245M
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VISION™ GAS CONVERSION INSTRUCTIONS NG TO LP
CAT. NO. 75265, MODEL VISION-CK-NG TO LP

INSTALLATION INSTRUCTIONS FOR CONVERTING FROM NATURAL GAS (NG) TO
PROPANE GAS (LP). FOR USE WITH THE VISION DIRECT VENT GAS STOVE

ELITE™ SERIES

KIT CONTENTS (See Figure 1):

- 1 ea. Nova SIT LP Regulator Kit (A)
- 1 ea. #50 LP main burner orifice (35,000 BTU's) (B)
- 1 ea. #53 LP main burner orifice (25,000 BTU's) (C)
- 1 ea. Sticker "VISION 25" if LP orifice was #53
- 1 ea. Instruction Sheet

TOOLS NEEDED (See Figure 2):

- 5/32" Allen Wrench Or T-Handle Wrench
- Torx Bit (T20 with 1/4" shank and center hole)
- 1/2" Open End Wrench
- 7/16" Open End Wrench

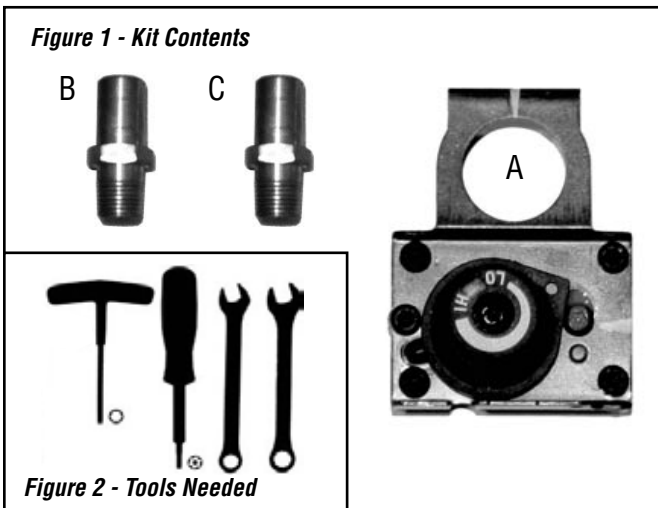


Figure 1 - Kit Contents

Figure 2 - Tools Needed

⚠ 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 .

⚠ 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.

⚠ 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.

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

TURN OFF THE GAS SUPPLY TO THE APPLIANCE.

Step 1. Using a 5/32" allen wrench, remove the control panel cover by removing the 10-24 screws on the left and right side of the control panel (indicated by arrows in *Figure 3*). Do not disconnect any wires during this step.

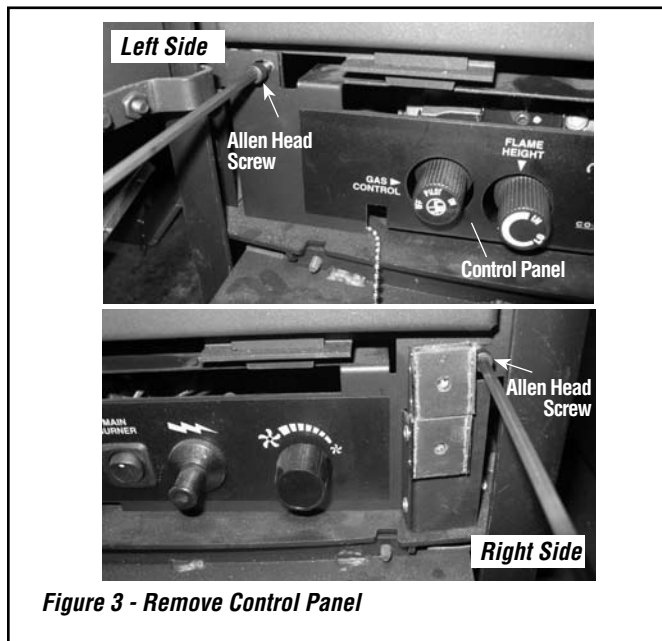


Figure 3 - Remove Control Panel

Step 2. Pull off the knob extensions on the valve (see *Figure 4*).

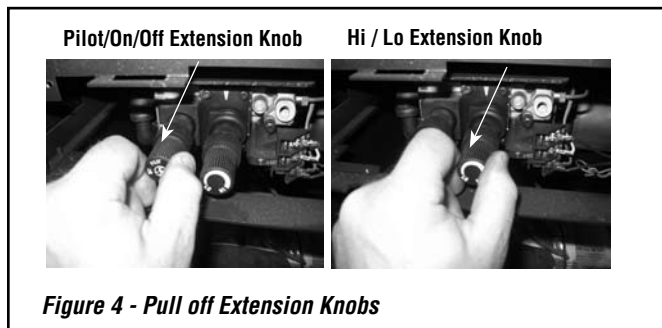


Figure 4 - Pull off Extension Knobs

Step 3. Using a T20 Torx Bit or flat screwdriver, install the Nova SIT NG Regulator (included in this kit) using the 3 new screws provided as shown in *Figure 5*.

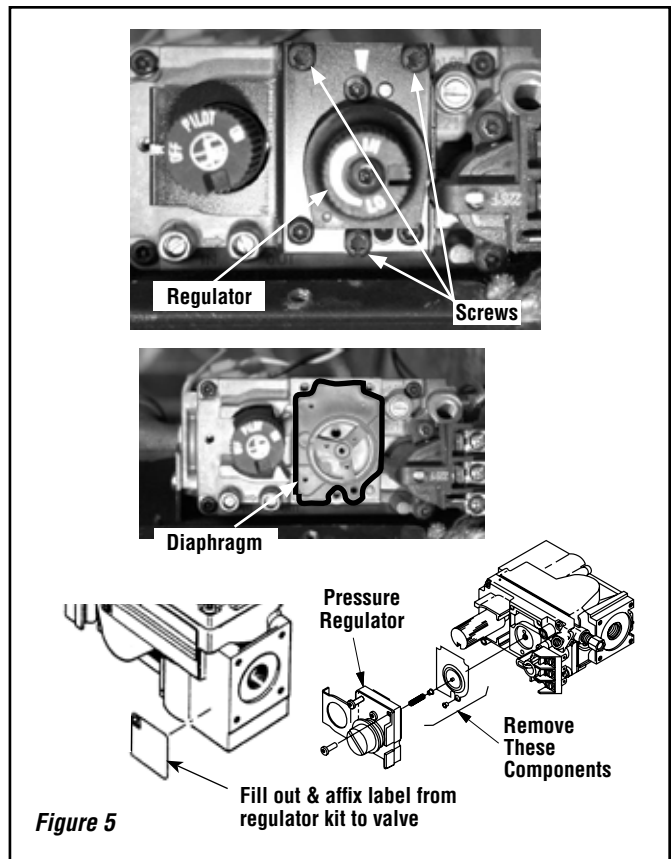


Figure 5

Step 4. Replace the knob extensions on the gas control valve (see *Figure 4*). Reinstall the control board panel using the two 10-24 screws removed during Step 1 (see *Figure 3*).

Step 5. Using a 5/32" allen wrench, remove the two screws at the top of the glass door. Lift glass door up and off (see *Figure 6*). (Note: Screws are straight thread not self-tapping).



Figure 6 - Glass Door Removal

Step 6. Remove logs.

Step 7. Using a 5/32" allen wrench, remove the two 10-24 screws at the back corners of burner (see *Figure 7*).

Step 8. To remove the burner, lift right end, slide the burner off the orifice and out of the air shutter by shifting the burner to the right.

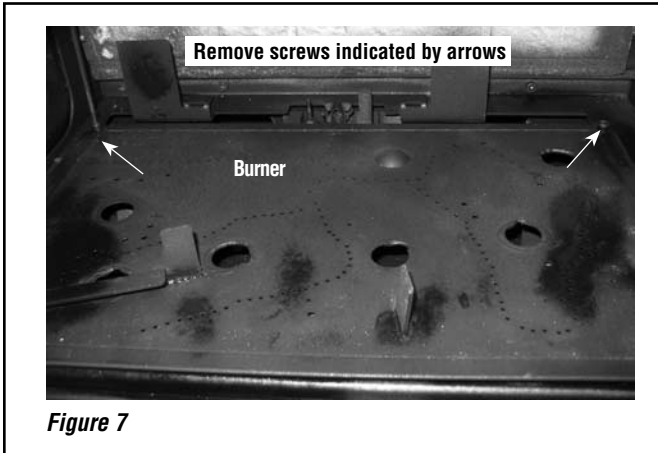


Figure 7

Step 9. Using a 7/16" open-end wrench, loosen pilot stem a quarter of a turn to the right (counterclockwise). The pilot assembly is located at the rear of the firebox.

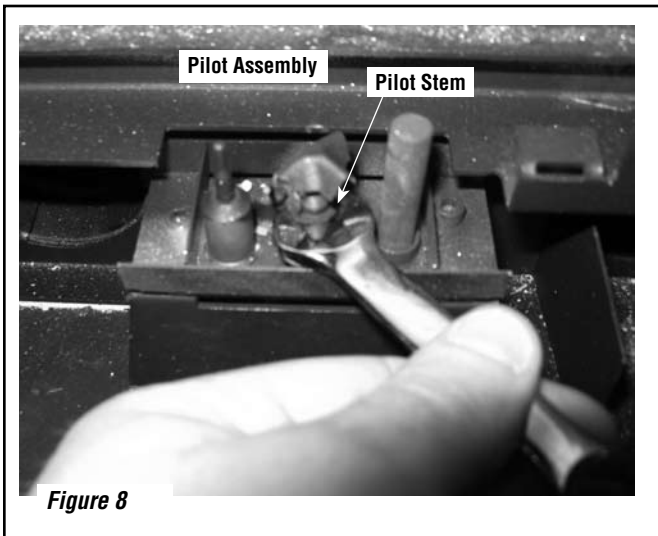


Figure 8

Step 10. Slide the pilot orifice into the LP position by pushing it toward the opposite side of the pilot stem. The top side of the orifice slider needs to read LP (see **Figure 10**).

Step 11. Tighten the pilot stem by turning it back to the left (clockwise), making sure the orifice slider stays into the LP position until tightened.

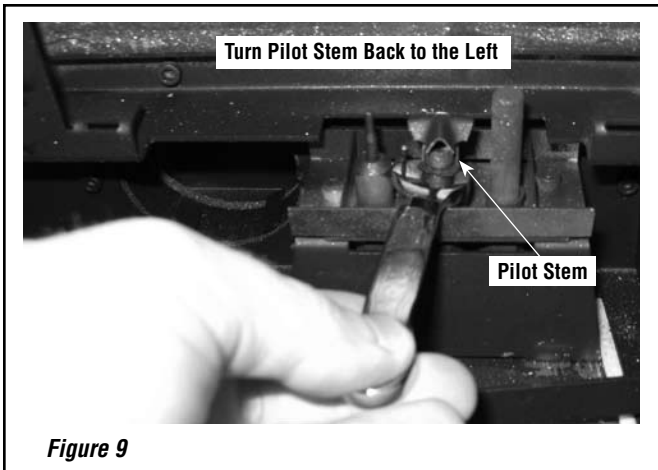


Figure 9

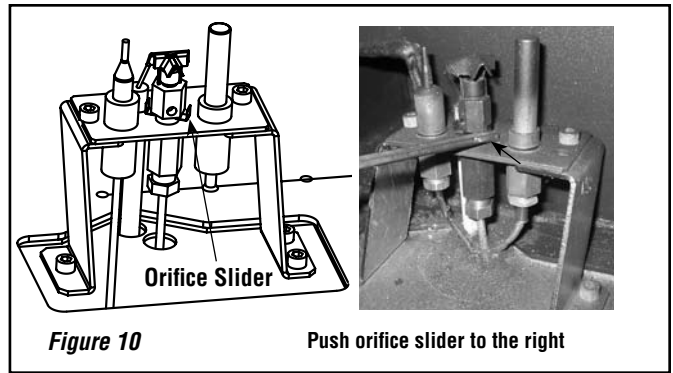


Figure 10

Step 12.

35,000 BTU

Using a 1/2" open-end wrench, remove burner orifice. Replace with #50 LP orifice that is supplied in this kit. Make sure to use pipe sealing compound on threads of new orifice (see **Figure 11**).

25,000 BTU

Using a 1/2" open-end wrench, remove burner orifice. Replace with #53 LP orifice that is supplied in this kit. Make sure to use pipe sealing compound on threads of new orifice (see **Figure 11**).

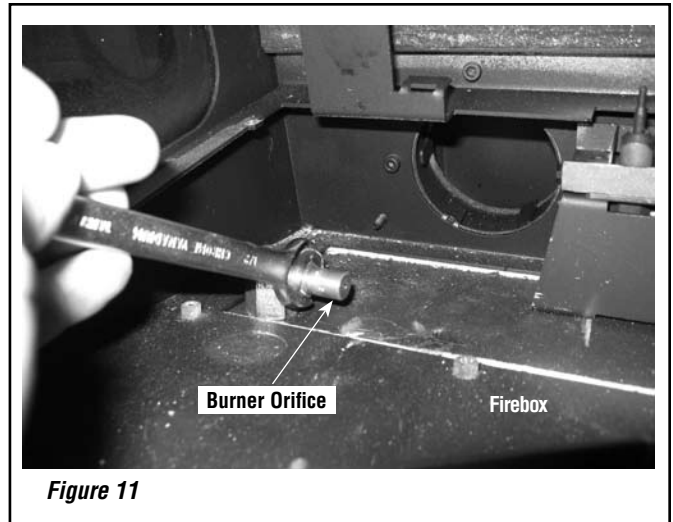


Figure 11

Step 13. Move the air shutter control lever (see **Figures 12**) all the way to the right (full open). See **Figure 13**.

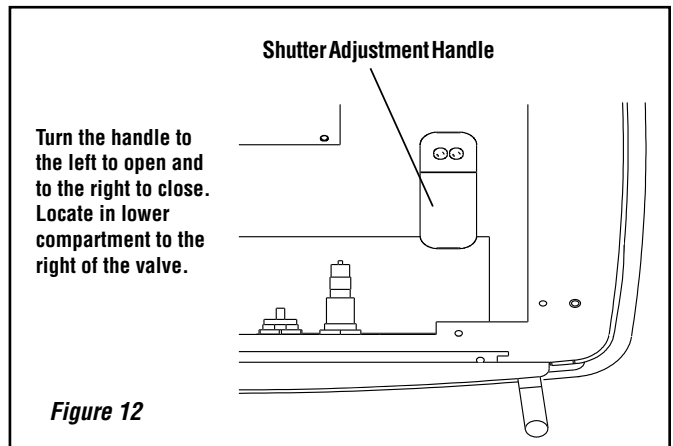


Figure 12

NOTE: DIAGRAMS AND ILLUSTRATIONS ARE NOT TO SCALE.

Step 14. Re-Install burner, and make sure air shutter is full open for Propane Gas (see **Figure 13**). The proper air shutter adjustment may need to be adjusted from standard depending upon variables in the installation. After step 19, with the appliance lit and fully warmed up, evaluate the burner flame appearance and re-adjust air shutter for proper flame appearance, if necessary.

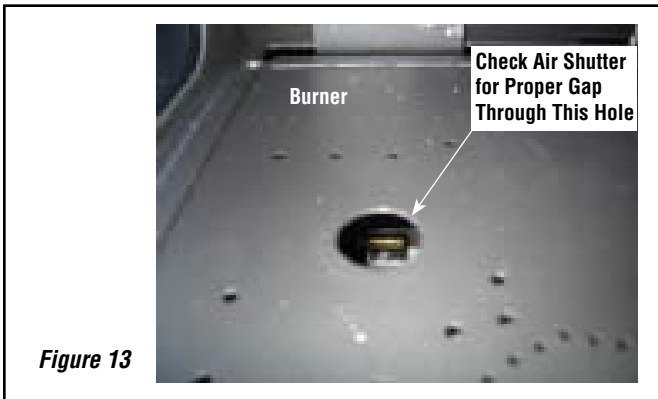


Figure 13

Step 15.

35,000 BTU

If you are using the #50 orifice remove the sticker on the label to show "VISION 35" on the Label. The label is located on the inside the lower flip down control door (see **Figure 14**).

25,000 BTU

If you are using the #53 orifice, adhere the VISION 25 sticker over the VISION 35 on the safety label. The label is located on the inside the lower flip down control door (see **Figure 14**).

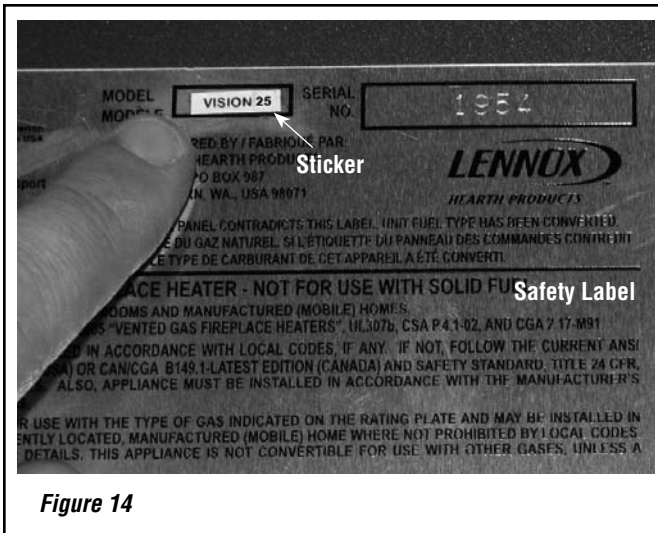


Figure 14

Step 16. Turn on gas supply and test for gas leaks using a gas leak test solution (see **Test Procedure** on **Page 16** of the *Installation and Operation Manual*).

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

Inlet Gas Supply Pressure			
Fuel #	Minimum	Maximum	Desired
Propane	11" WC/po. C.E (2.74 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) 6" WC/po. C.E (1.50 kPa)	(Hi) 10.0" WC/po. C.E (2.49 kPa)

Step 18. Reinstall the log set and glass door assembly. See **Page 10** (*Log Set Installation*) and **Page 22** (*Door Assembly Installation*) in the *Installation and Operation Manual*.

Step 19. Light the appliance per the lighting instructions label on appliance (located below glass door) or lighting instructions on **Page 17** of the *Installation and Operation Manual*. Inspect for proper pilot and burner flame appearances (see **Figures 15 and 16** below). Also see *Flame Color and Behavior* and *Inspect The Pilot System For Proper Flame* on **Page 18** of the *Installation and Operation Manual*.

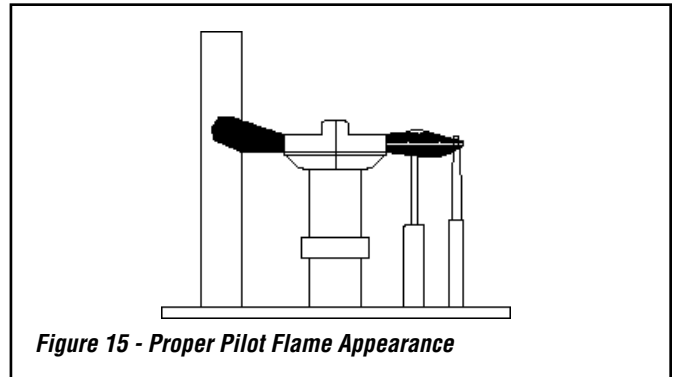


Figure 15 - Proper Pilot Flame Appearance

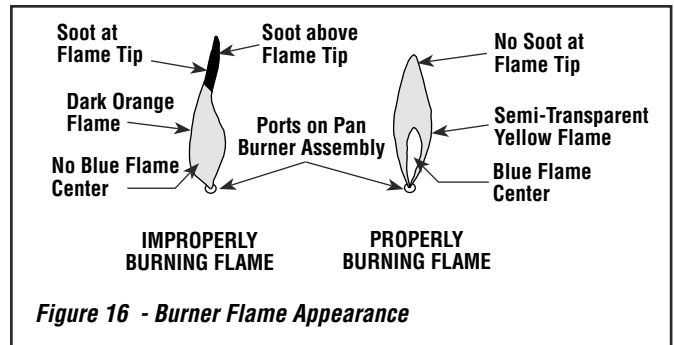


Figure 16 - Burner Flame Appearance

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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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1110 West Taft Avenue • Orange, CA 92865