901076-00
Rev. NC, 10/2020

EPIC™ IPI GAS CONVERSION INSTRUCTIONS

CAT. NO. F4513, MODEL GCK-M-EPICIPINP
CAT. NO. F4514, MODEL GCK-M-EPICIPIPN

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

KIT CONTENTS (See *Figure 1)*

1 ea. Nova SIT LP Regulator Kit (A)
1 ea. #49 LP main burner orifice (39,000 BTU) (B)
1 ea. #52 LP main burner orifice (31,000 BTU) (C)
1 ea. Sticker “Epic LP 39” if LP orifice was #49
1 ea. Sticker “Epic LP 31” if LP orifice was #52
1 ea. Instruction Sheet

TOOLS NEEDED (See *Figure 2)*

5/32” Allen Wrench or T-Handle Wrench
1/8” 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

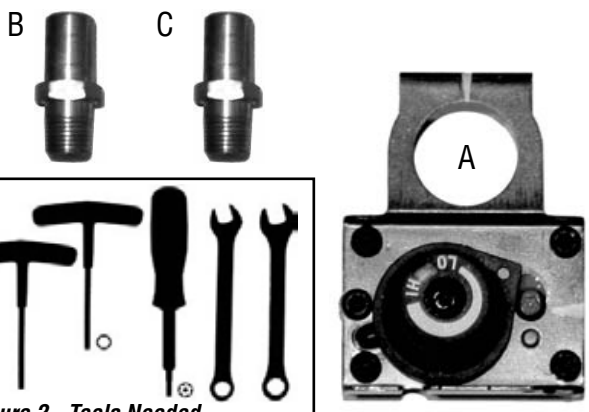


Figure 2 - Tools Needed

⚠ 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.

⚠ 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 équipment. L'installation n'est pas propre et compléte jusqu'à l'opération de l'appareil converti est chéque 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/CGA 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/CGA 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.

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 an 1/8" allen wrench, remove the control panel cover by removing the 4 button screws around the control panel (indicated by arrows in ***Figure 1***). **Do not disconnect any wires during this step.**

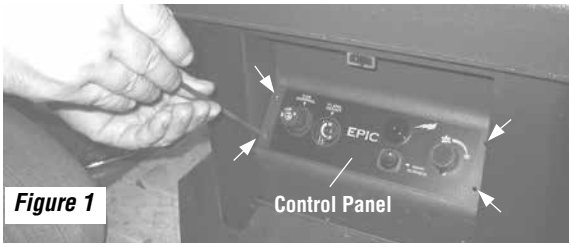


Figure 1

Step 2. Remove the knob extensions on the gas control and flame height knobs by pulling them off.

Step 3. Using a Torx T20 or flat screwdriver, remove the Nova SIT NG Regulator (flame height knob) by removing the 3 screws surrounding it (see ***Figures 2 and 3***) . Be sure to also remove the NG regulator diaphragm (see ***Figures 2 and 5)***.

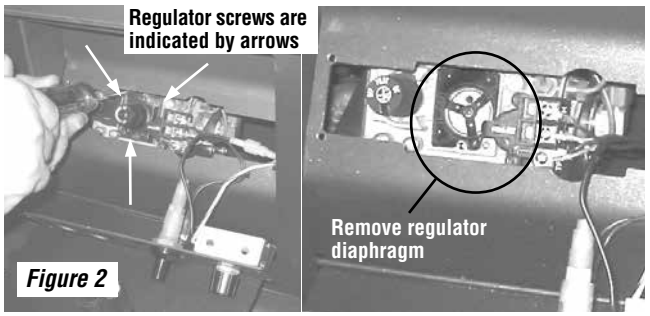


Figure 2

Step 4. Install the Nova SIT LP Regulator (included in this kit) using the 3 new screws provided as shown in ***Figure 3***.

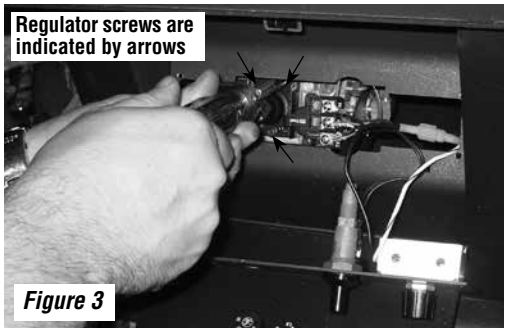
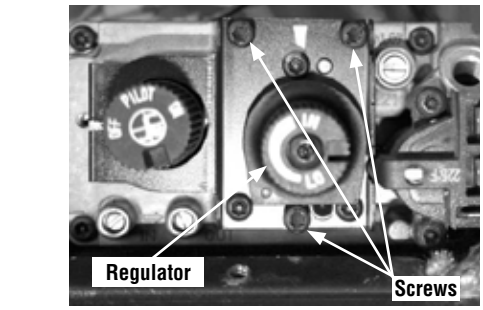
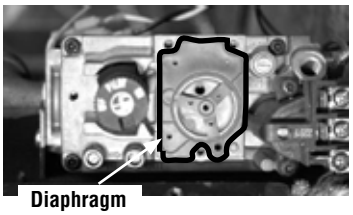


Figure 3





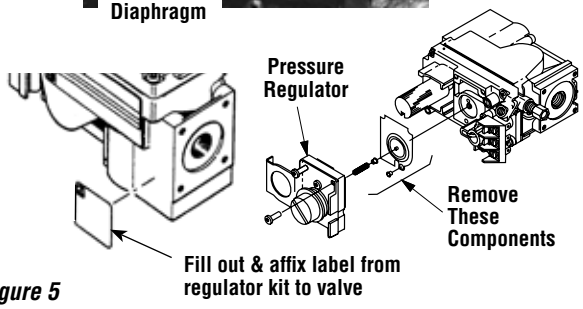


Figure 5

Step 5. Replace the knob extensions on the gas control and flame height knobs. Reinstall the control board panel using the 4 button screws removed during step 1.

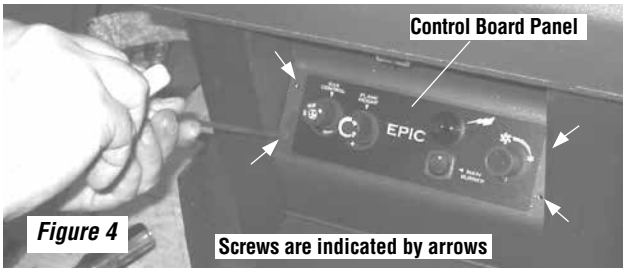


Figure 4

Step 6. Using a 5/32" allen wrench, remove the 2 screws near the rear cor***ners of*** the burner pan (see Figure 5).

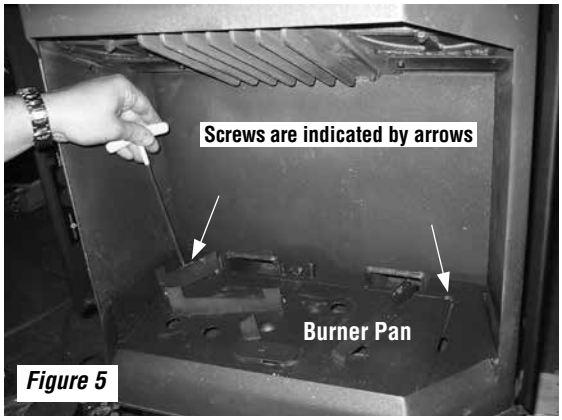


Figure 5

NOTE: DIAGRAMS AND ILLUSTRATIONS ARE NOT TO SCALE.

Step 7. Before removing the burner pan slide the air shutter control lever all the way to the right to the open position (see ***Figure 6***). To remove the burner pan lift up on the left side, then slide the burner to the left and lift out (see ***Figure 7***).

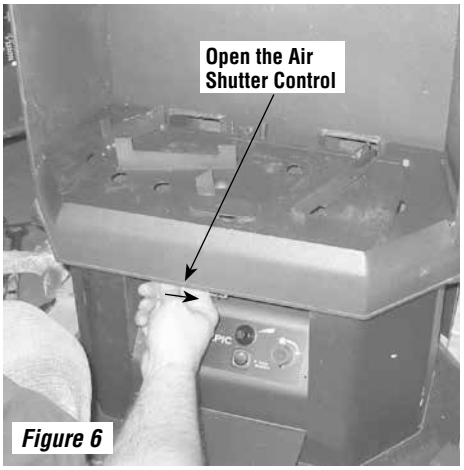


Figure 6

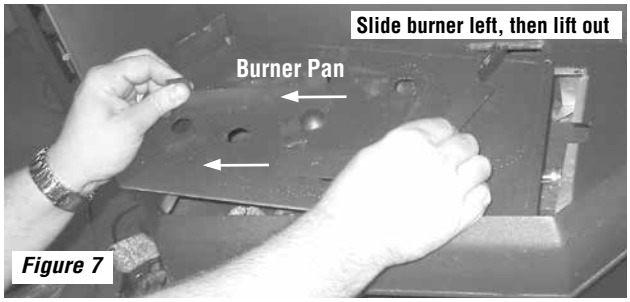


Figure 7

Step 8. Move the air shutter off of the orifice. Using a 1/2" open end wrench, remove the orifice by turning counterclockwise. See ***Figure 8***.

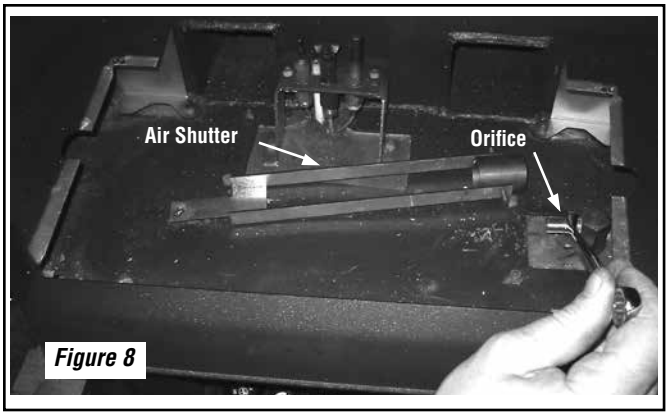


Figure 8

Step 9. Using an 1/2" end wrench, replace the NG orifice with the LP main burner orifice included in this kit (#49 for 39,000 BTU or #52 for 31,000 BTU). See ***Figure 8***.

Step 10. Using a 7/16" open-end wrench, loosen the stem of pilot hood assembly with a 1/4 turn counterclockwise (see ***Figure 9***).

Turn stem of pilot hood assembly counter-clockwise to loosen.



When hood is positioned as shown it is in the loose position.

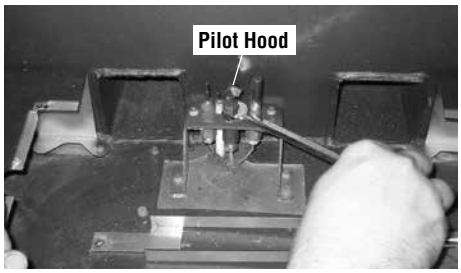


Figure 9

Step 11. Convert the orifice to LP by pushing the orifice slider to the left. The top side of the orifice slider should now appear red. See ***Figure 10***.

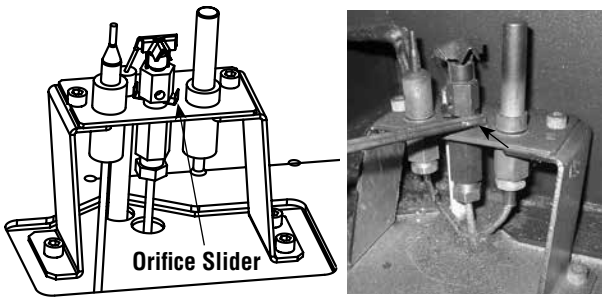


Figure 10 **Push orifice slider to the right**

Step 12. Retighten the pilot orifice with 7/16" open end wrench (see ***Figure 9***). **Ensure that the orifice slider stays in the LP position while tightening** (see ***Figure 10***).

Step 13. Reinstall the burner, right side first, making sure that the burner neck is seated in the air shutter (see ***Figure 11***).

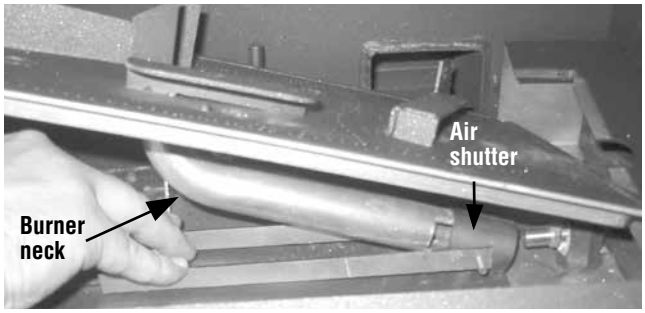


Figure 11

NOTE: DIAGRAMS AND ILLUSTRATIONS ARE NOT TO SCALE.

Step 14. Before you secure the burner with screws, double check that the orifice is positioned into the burner neck by feeling around the back of the burner (see ***Figure 12***). Then, lower the burner so it sits flush on the burner supports and replace the 2 screws removed in step 6 (see ***Figure 12***).

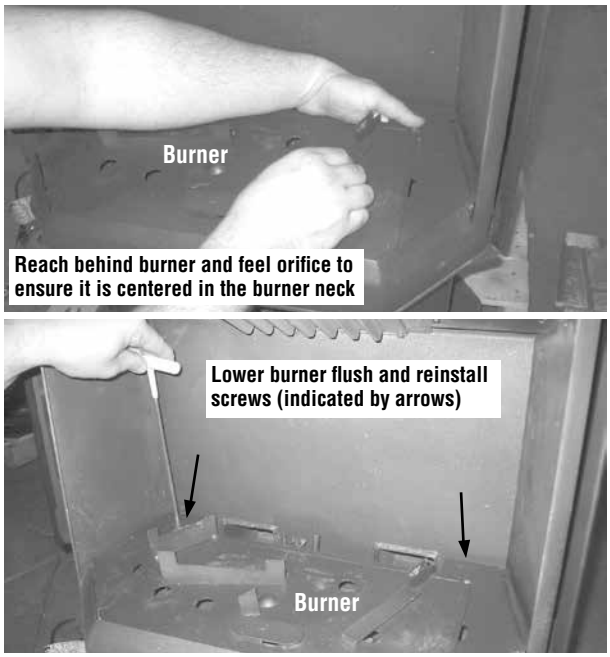


Figure 12

Step 15. Use the sticker that reads "Epic LP 39" to cover model "Epic NG 40" on the label if orifice #49 is installed. Use the sticker "Epic LP 31" to cover "Epic NG 40" on the label if orifice #52 is installed. The label is located on the inside of the left hand door (see ***Figure 14***).



Figure 13

Step 16. Turn on gas supply and test for gas leaks using a gas leak test solution (see *Test Procedure* on ***Page 18*** 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 18)*** 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 14. Reinstall the log set and glass door assembly. See ***Page 12*** *(Log Set Installation) and* ***Page 25*** *(Door Assembly Installation)* in the *Installation and Operation Manual.*

Step 15. Light the appliance per the lighting instructions label on appliance (located below glass door) or lighting instructions on ***Page 19*** of the *Installation and Operation Manual.* Inspect for proper pilot and burner flame appearances (see ***Figures 14*** *and* ***15*** below). Also see *Flame Color and Behavior* and *Inspect The Pilot System For Proper Flame* on ***Page 20*** of the *Installation and Operation Manual.*

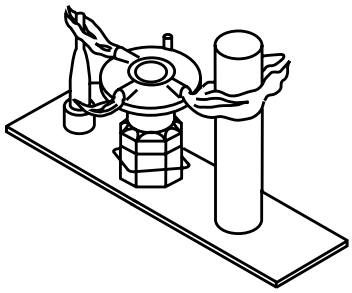


Figure 14 - Proper Pilot Flame Appearance

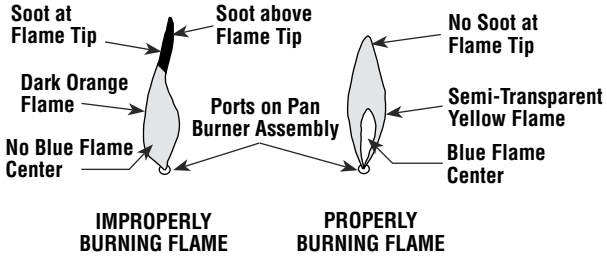


Figure 15 - Burner Flame Appearance

NOTE: DIAGRAMS AND ILLUSTRATIONS ARE NOT TO SCALE.

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