



HEARTH PRODUCTS

HEARTH PRODUCTS
KITS AND ACCESSORIES

775,240M
Rev. A, 08/2008

RAVELLE 30™ GAS CONVERSION INSTRUCTIONS LP TO NG
CAT. NO. 75205, MODEL RAVL30-CK-LP TO NG

INSTALLATION INSTRUCTIONS FOR CONVERTING FROM PROPANE GAS (LP) TO NATURAL GAS (NG). FOR USE WITH THE RAVELLE 30 DIRECT VENT GAS FIREPLACE

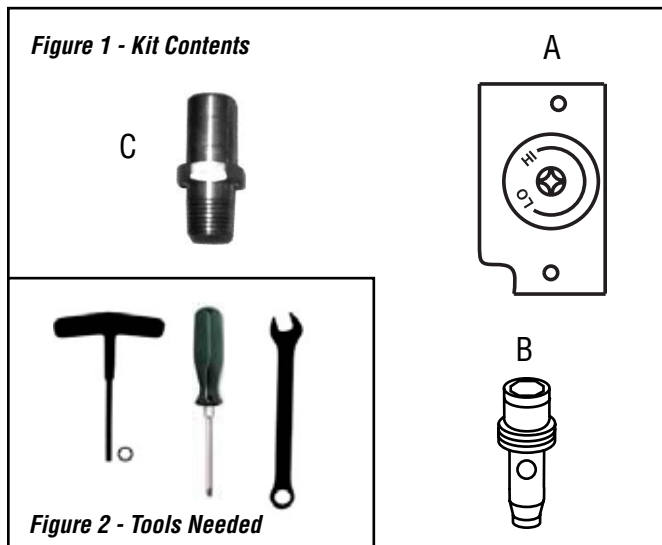


KIT CONTENTS (See Figure 1):

- 1 ea. Robertshaw NG Regulator Kit (A)
- 1 ea. Nova SIT NG Pilot Orifice (B)
- 1 ea. #36 NG main burner orifice (30,000 BTU's) (C)
- 1 ea. Instruction Sheet

TOOLS NEEDED (See Figure 2):

- 5/32" Allen Wrench Or T-Handle Wrench
- #2 Phillips Screwdriver
- 1/2" 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 Propane Gas to using Natural Gas as the only fuel. All of these components must be replaced in order for the unit to operate safely on Natural Gas.

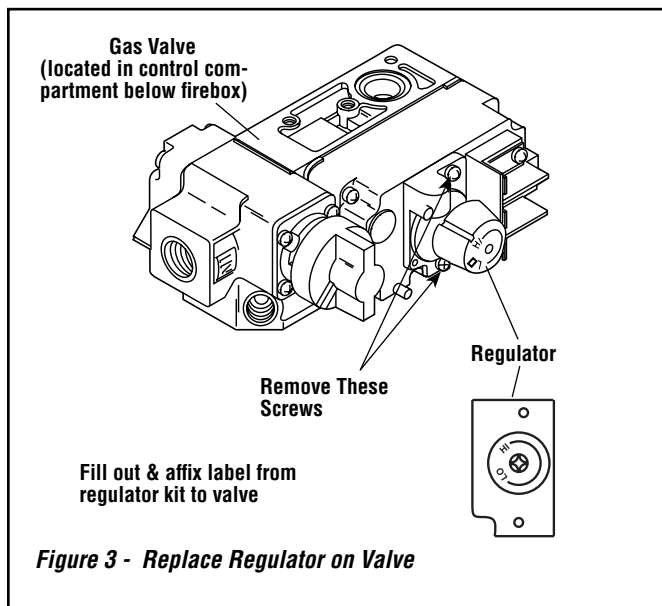
When installing gas components use pipe joint compound or Teflon tape on all pipe fittings before installing (ensure propane resistant compounds are used, do not use pipe joint compounds on flare fittings).

INSTALLATION INSTRUCTIONS

Step 1. TURN OFF THE GAS SUPPLY TO THE APPLIANCE. Disconnect power supply to the blower at the circuit breaker.

Step 2. If the face is installed, remove it.

Step 3. Using a phillips screwdriver, remove and discard the two pressure regulator mounting screws (see **Figure 3**). Remove the pressure regulator and rubber gasket. Discard all removed components. Install the new regulator. Ensure the rubber gasket on the back of the pressure regulator is properly positioned when installing the new pressure regulator using the new screws supplied with this kit. Locate the label provided in the regulator kit. Write in the required information, then affix it to the valve.



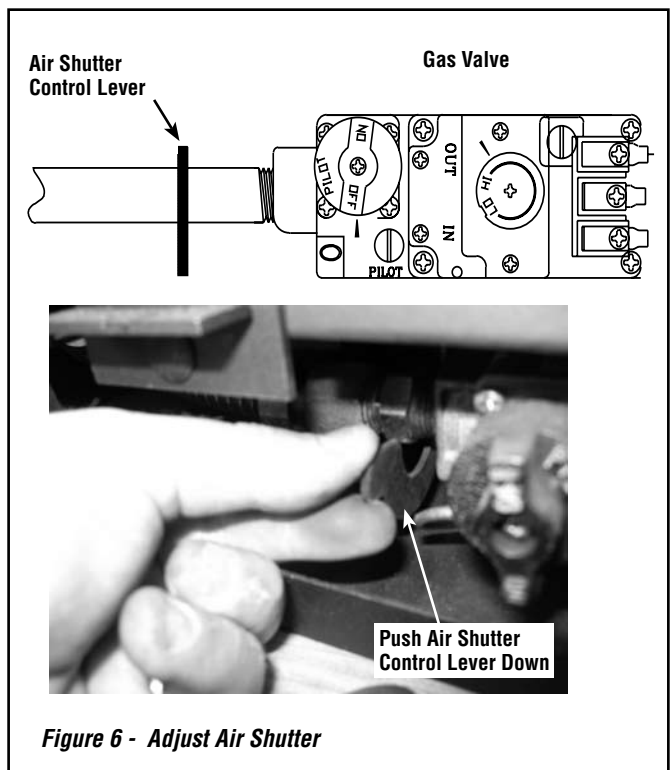
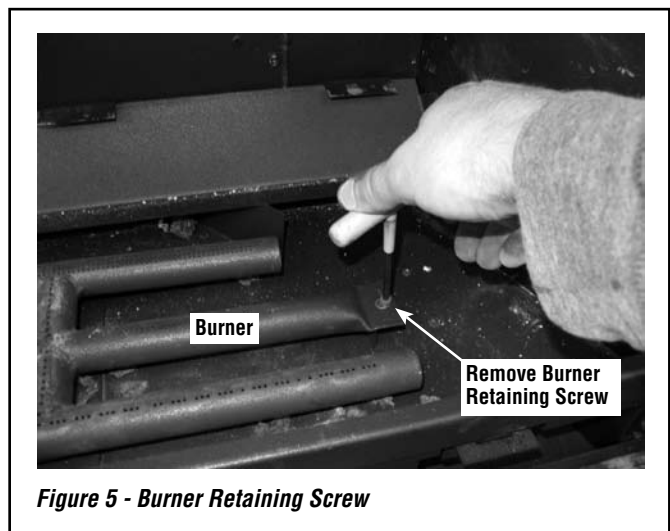
Step 3. Remove the glass door by releasing the two upper clasps, and lifting up, out of the lower holders (see **Page 29** of the *Installation and Operation Manual*).

Step 4. Carefully remove the logs. Exercise care so as not to break the logs. Set aside in a safe place.

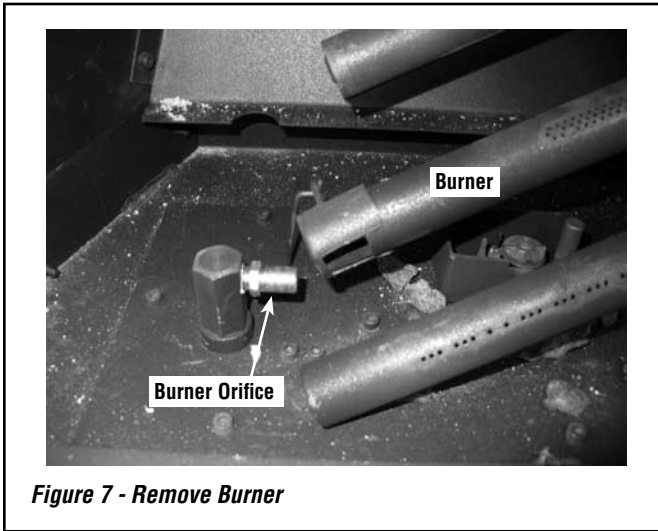
Step 5. Remove the log set panel by removing the two 5/32" allen head screws at the left and right rear corners of the panel (see **Figure 4**).

Step 6. Remove the burner retaining screw by unscrewing the 5/32" allen head screw, which secures the right end of the burner (see **Figure 5**).

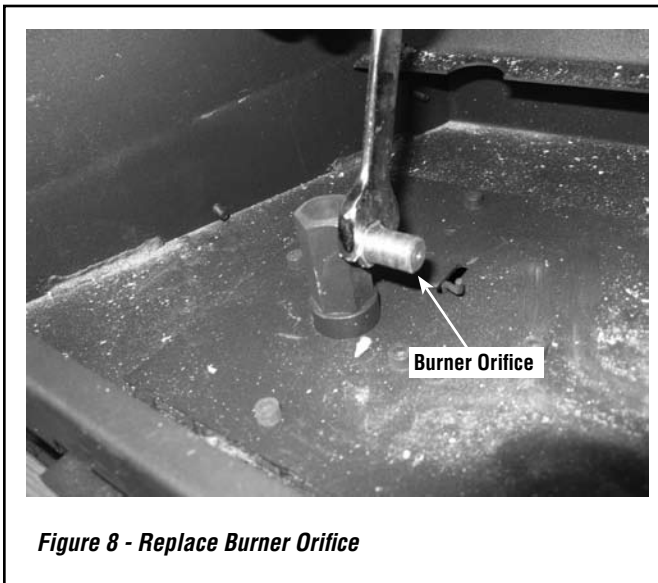
Step 7. Push the air shutter control lever down until it stops (see **Figure 6**). See *Air Shutter Adjustment* on **Page 25** of the *Installation and Operation Manual*.



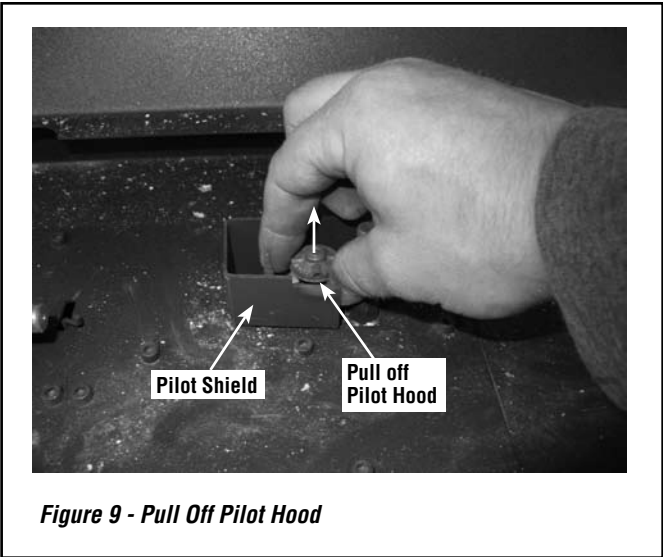
Step 8. Slide the burner to the right until it comes off the burner orifice. Lift the right end of the burner until it releases from the copper rod. See **Figure 7**.



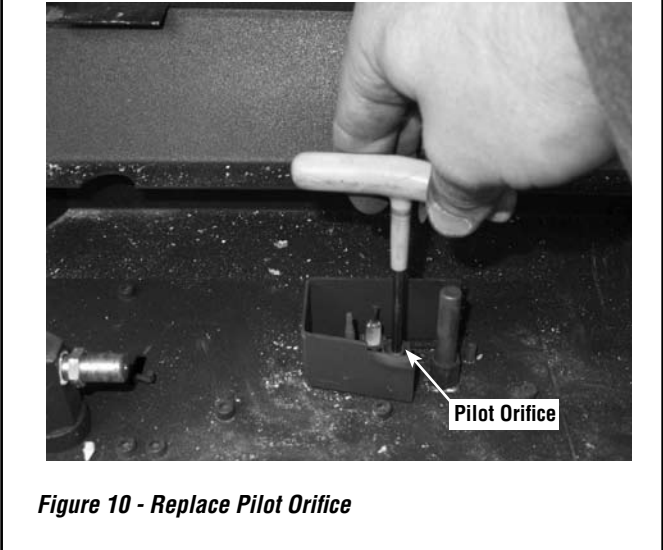
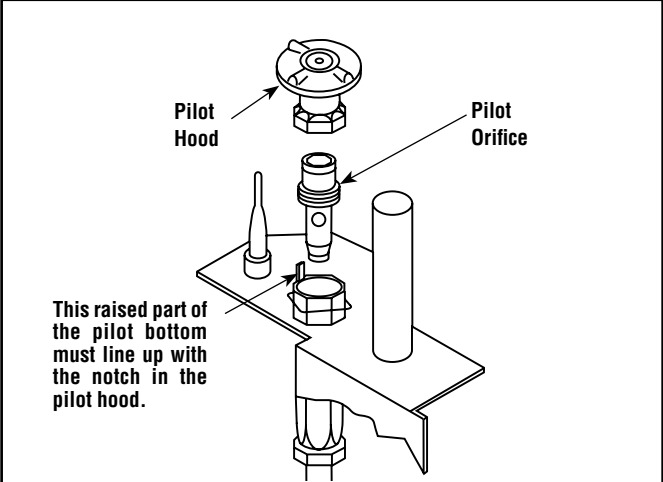
Step 9. Using an 1/2" open end wrench remove the main burner orifice. Reinstall the NG orifice, provided, using pipe sealing compound or teflon pipe sealant (see **Figure 8**).



Step 10. (optional) To gain better access to the pilot hood and pilot orifice, remove the pilot shield by taking the two 5/32" allen head screws out from behind the pilot assembly (see **Figure 9**).



Step 11. Firmly pull the pilot hood straight up and off to access the hexed pilot orifice (see **Figures 9 and 10**). Use a 5/32" allen head wrench to unscrew the pilot orifice and lift it out (see **Figure 10**). Replace with the new NG pilot orifice provided. Re-install the pilot hood. **Note: The raised part of the pilot bottom lines up with the notch in the pilot hood (see Figure 10).**



- Step 12.** Reinstall pilot hood, pilot shield and burner.
- Step 13.** Turn on gas supply and test for gas leaks using a gas leak test solution (see *Test Procedure* on **Page 21** of the *Installation and Operation Manual*).
- Step 14.** Using a manometer, test the inlet and manifold gas pressure per instructions in the *Installation and Operation Manual* (**Page 21**) and as shown in the following 2 tables.

Inlet Gas Supply Pressure			
Fuel #	Minimum	Maximum	Desired
Nat. Gas	5" WC/po. C.E (1.24 kPa)	10.5" WC/po. C.E (2.61 kPa)	7" WC/po. C.E (1.74 kPa)

Manifold Gas Supply Pressure		
Fuel #	Low	High
Natural Gas	(Lo) 1.7" WC/po. C.E (0.42 kPa)	(Hi) 3.5" WC/po. C.E (0.87 kPa)

- Step 15.** Reinstall the the log set, glass door assembly and face. See **Page 19** (*Log Set Installation*) and **Page 29** (*Opening and Removing Door*) in the *Installation and Operation Manual*.
- Step 16.** Light the appliance per the lighting instructions label on appliance (located below glass door) or lighting instructions on **Page 23** in the *Installation and Operation Manual*. Inspect for proper pilot and burner flame appearances. See *Flame Color and Behavior* on **Page 24** and *Inspect The Pilot System For Proper Flame* on **Page 37** in the *Installation and Operation Manual*. Also see **Figures 11 and 12**.

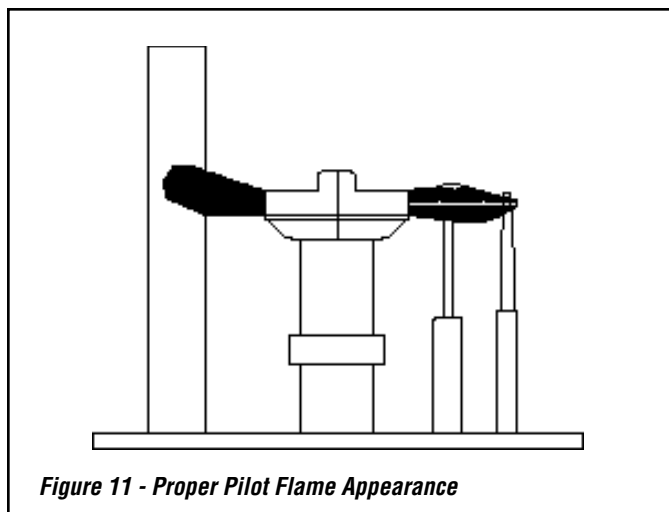


Figure 11 - Proper Pilot Flame Appearance

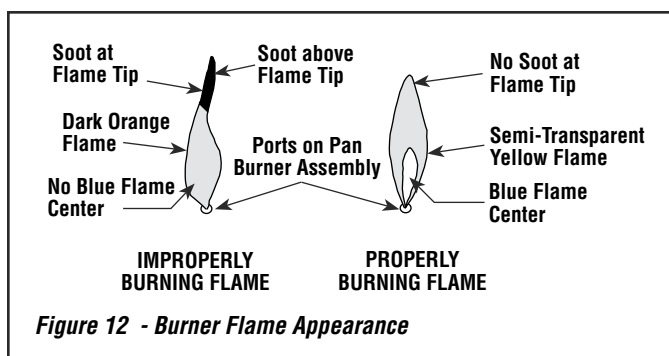


Figure 12 - Burner Flame Appearance

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