



## TECHNICAL DATA SHEET

Kit #97-56600

### CONVERTING THE CHAMPLAIN DV 8300 (SERIAL # 002066 AND HIGHER), CHAMPLAIN I DV 8301, SANTA FE DV 8760, AND SANTA FE I DV 8761 FROM LIQUID PROPANE (LP) TO NATURAL GAS (NG) USING THE TOP CONVERTIBLE PILOT

#### TOOLS REQUIRED

Phillips Screwdriver  
Slotted Screwdriver  
Allen Wrench  
1/2" Deep Socket or Wrench  
3" Socket Extension (optional)  
1/8 Allen Wrench

#### KIT COMPONENTS

1-#7211-312 NG Valve Conversion Kit  
1-#31 Burner Orifice 5/32"  
1-#62 Pilot Orifice  
NG Sticker (WHITE)  
Instructions

### WARNING

**This conversion kit must be installed by a qualified gas 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 work assumes responsibility for the proper conversion of this appliance with this kit.**

**CAUTION:** *The gas supply must be shut off prior to making this conversion. If the stove is equipped with the optional blower, disconnect it from the electrical source before making this conversion.*

#### **PROCEDURE:**

- 1) Open the front of the stove. For the Santa Fe, use a 1/8 Allen wrench to remove the screw that holds the front door closed. For the Champlain, remove the four screws that hold the front casting (including glass) to the stove with the 5/32 allen wrench. To remove the two bottom screws on the face of the Champlain, open the valve access door (pull down on the ash lip). Care should be taken as the screws are removed not to chip the enamel (if enameled) or drop the front casting.
- 2) Carefully remove the log set, embers, ember screen, and the burner tube. Make a note of their positions for re-assembly.
- 3) Locate the air plenum (the steel piece the burner tube passes through) in the firebox and remove it by lifting it straight up and out of the stove.

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- 4) Using a 1/2" deep socket with a 3" extension (or 1/2" wrench), remove the LP gas orifice (#49), located on the inside of the back of the firebox. Install the NG orifice (#31). Important: To prevent damage to the main gas line, hold the elbow which the orifice is attached to when removing and installing the orifices
- 5) Locate the pilot assembly inside the firebox. Remove the pilot burner hood by grasping it and pulling it straight up.
- 6) Using a 5/32" allen wrench, unscrew and remove the LP pilot orifice. Install the #62 NG orifice supplied with this kit. Turn it in and tighten it with the allen wrench.
- 7) Snap the pilot burner hood back into place, making sure the cut out on the hood aligns with the tang on the pilot housing.
- 8) Close the air shutter adjustment so that it is open approximately 5/8". Minor shutter adjustments may be necessary after observing the burn.
- 9) Replace the air plenum, burner tube, logs, ember screen, and embers. Refer to the owner's manual for the proper placement of these pieces if necessary. Carefully reposition the front panel and secure it with screws previously removed (Champlain) or secure the door with the screw (Santa Fe).

NOTE: The remainder of this conversion will be done to the valve. Access to the valve by pulling the ashlip/valve access door down into the open position

VALVE CONVERSION: See illustrations on page 3.

- 10) Using a screwdriver, remove and discard the three pressure regulator mounting screws (A), pressure regulator tower (B) and diaphragm (C).
- 11) Insure that the rubber gasket (D) is properly positioned and install the new HI/LO pressure regulator assembly to the valve using the new screws (E) supplied with the kit. Tighten screws securely.
- 12) Install the enclosed identification label (F) to the valve body where it can be easily seen. Place the white NG sticker over the red LP sticker on the valve door.
- 13) Turn on the gas supply. For checking and properly adjusting the manifold pressure, refer to the appliance owner's manual for instructions. **LEAK TEST BEFORE AND AFTER LIGHTING THE STOVE.**
- 14) The input rate of the heater can be verified by checking the manifold pressure. If the manifold pressure is correct, then the input rate is correct. Refer to the appliance owner's manual for the:
  - a. details on adjustment for proper pilot and main burner flame appearance.
  - b. instructions for placing all markings provided in the kit in the appropriate location on the heater.Instructions for checking out the normal operating sequence of the ignition system. Location on valve to check manifold pressure.

**WARNING: Make sure proper replacement orifices have been used.**

<b>LP ORIFICES:</b>	<b>Main Burner</b>	<b>0 - 610m</b>	<b>#49 (Standard)</b>
		<b>610 -1370m</b>	<b>#49 (High Altitude)</b>
	<b>Pilot #30</b>		
<b>NAT. GAS ORIFICES:</b>	<b>Main Burner</b>	<b>0 - 610m</b>	<b>#31 (Standard)</b>
		<b>610 -1370m</b>	<b>#32 (High Altitude)</b>
	<b>Pilot #62</b>		

