



Technical Data Sheet

Tucson BV Model 8720 Gas Conversion From LP to NG

Serial Numbers 006293 and above

Part #90-56200

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INCLUDED IN KIT:

#40 NG Burner Orifice
.62 mm LP Pilot Orifice
NG Sticker (White)
Instructions

TOOLS REQUIRED:

Phillips Screwdriver
5/32" (4 mm) Allen Wrench
Pliers
1/2" (13 mm) Wrench
3/8" (10 mm) Wrench

!!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 appliance

!!Attention!!

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 opération de l'appareil converti est chèque suivant les critères établis dans les instructions de propriétaire provisionnées avec l'équipement.

🔥 CAUTION: TURN OFF THE GAS SUPPLY BEFORE MAKING THIS CONVERSION. IF THE STOVE IS EQUIPPED WITH THE OPTIONAL BLOWER, DISCONNECT IT FROM THE ELECTRICAL SOURCE BEFORE MAKING THIS CONVERSION.

PROCEDURE:

1. Using the 5/32" (4 mm) Allen Wrench, remove the screw that holds the front door closed. Open the front door of the stove.
2. Carefully remove the logs and burner tube. Note the positions of the firebox components. Before the conversion is complete, verify that all components are replaced exactly as before.
3. Using a 1/2" deep socket with a 3" extension (or 1/2" wrench), remove the LP main burner gas orifice, located on the inside of the back of the firebox. Install the NG orifice (#40). To prevent damage to the main line hold the elbow that the orifice is attached to when removing and installing the orifices.
4. Locate the pilot assembly inside the stove. Remove the top of the pilot burner hood by grasping it and pulling it up. (You may need to use pliers)

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5. Using the 4 mm Allen Wrench (substitute the 5/32" if a 4 mm is not available), unscrew and remove the LP pilot orifice. Insert the 0.62 mm NG orifice provided with this kit and tighten it with the Allen Wrench.
6. Snap the pilot burner hood back into place on the pilot stem, making sure the cutout of the hood aligns with the tang on the orifice housing.
7. Adjust the air shutter on the end of the burner tube so that it is fully open. Tighten the retaining screw to hold the shutter in this position.
8. Replace the burner tube, logs, ember screen, and embers. Refer to the owner's manual for the proper placement of these parts. Precise location is important to both the look and operation of the stove.
9. Close the front door and secure it shut with the mounting screw using the 5/32" (4 mm) Allen Wrench.
10. This stove is equipped with a universal valve that allows conversion to NG without additional parts. Locate the valve below the ash lip under the front of the stove. If the extension knobs are installed, pull them off the control knobs.
11. Working on the Hi/Lo knob, pull off the cap on the face of the knob (see Photo #1)
12. Using the 4 mm Allen wrench, remove the conversion plug that is inside the knob (see Photo #2).
13. Rotate the conversion plug and turn it back into the knob. Turn the plug in with the Allen wrench until it is snug – be careful not to use excessive force, as this could damage the plug.

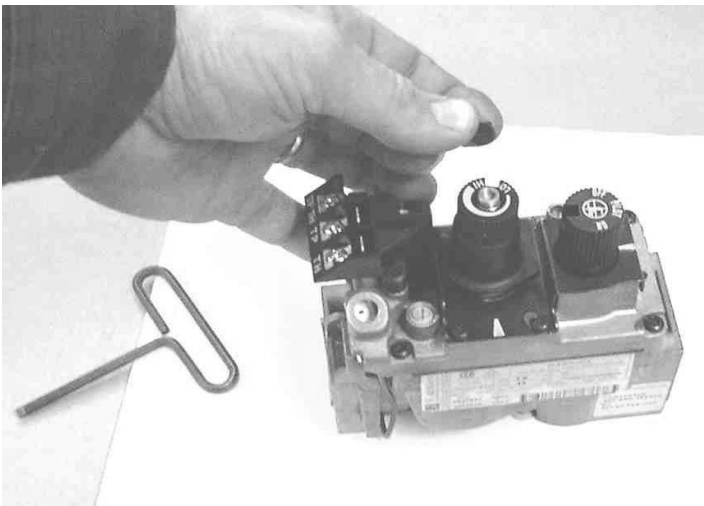


Photo #1
Remove the plug on the face of the Hi/Lo knob.

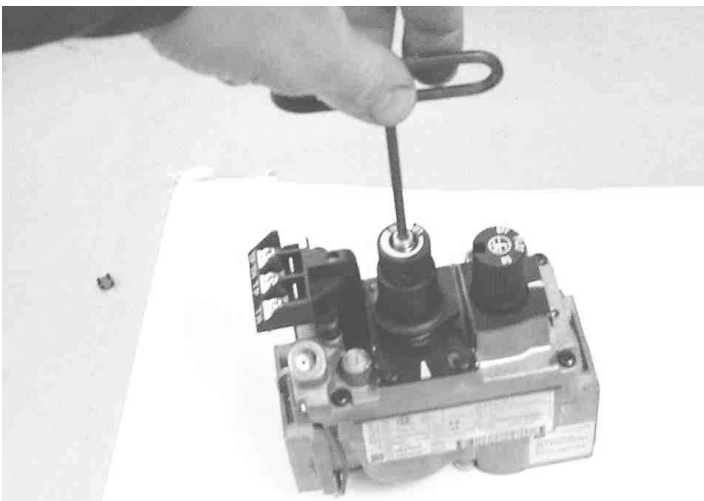


Photo #2
Using the 5/32" (4 mm) wrench to remove the conversion plug.

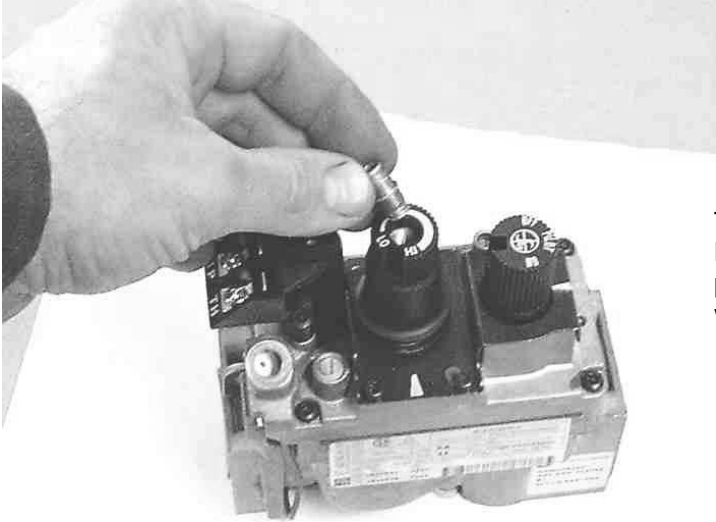


Photo #3

To convert the valve to NG, turn the conversion plug over and reinstall it with the allen wrench.

🔥 **NOTE:** When converted to NG, you will not see the red ring on the conversion plug after it is installed.

1. Place the white NG sticker onto the lighting instructions. These are located on the back of the lab plate attached to the stove with a cable.

🔥 **NOTE:** Refer to the owner's manual for the:

- a. Details on adjustment for the proper pilot and main burner flame appearance.
- b. Instructions for checking out the normal operating sequence of the ignition system.
- c. Location on the valve to check manifold pressure.

	NG	LP
Input rating (Btu/hr) 0 - 2,000	26,000	26,000
Maximum output (BTU/hr) 0-2,000 ft	20,000	20,500
Minimum input rating (Btu/hr)	14,700	14,700
Orifice size DMS 0- 2,000 ft	40	53
Manifold pressure-Hi Setting (in. w.c./kPa)	3.5/0.9	10.0/2.5
Man. Pressure-Lo setting (in.w.c./kPa)	1.2/0.3	3.3/0.8