809804 Natural Gas Fuel Conversion Package: Gas CookTop-3 Series

⚠ WARNING

THIS CONVERSION PACKAGE SHALL BE INSTALLED BY A QUALIFIED SERVICE AGENCY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE CODES AND REQUIREMENTS OF AUTHORITY HAVING JURISDICTION. IF INFORMATION IN INSTRUCTIONS IS NOT FOLLOWED, EXPLOSION OR PRODUCTION OF CARBON MONOXIDE MAY RESULT IN CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE. THE QUALIFIED SERVICE AGENCY IS RESPONSIBLE FOR PROPER INSTALLATION OF PACKAGE. THE INSTALLATION IS NOT PROPER AND COMPLETE UNTIL OPERATION OF CONVERTED APPLIANCE IS CHECKED AS SPECIFIED IN MANUFACTURER'S INSTRUCTIONS SUPPLIED WITH PACKAGE.

For Use With Wolf Gas Cooktop (serial #1700000 and up) Models:

CookTop 15G/S-LP -3
CookTop 30G/S-LP -3
CookTop 30G/P-LP -3
CookTop 36G/S-LP -3
CookTop 36G/P-LP -3

These instructions contain procedural information to convert a Wolf Gas Cooktops from liquid propane to natural gas on the above listed unit models. This component package contains extra components to allow all models to be properly converted with this package. This conversion component package was designed to convert a liquid propane gas cooktop to natural gas for altitudes up to 8000 feet.

Package Contains:

QTY	DESCRIPTION
1	Orifice, Valve bypass Jet, .67mm STAMPED # 67
1	Orifice, Valve bypass Jet, .62mm STAMPED # 62
1	Orifice, Valve bypass Jet, .57mm STAMPED # 57
3	Orifice, Valve bypass Jet, .54mm STAMPED # 54
1	Orifice, Valve bypass Jet, .50mm STAMPED # 50
3	Orifice, Valve bypass Jet, .43mm STAMPED # 43
1	Orifice, 180, Main - Nat STAMPED # 180
1	Orifice, 159, Main – Nat STAMPED # 159
3	Orifice, 140, Main – Nat STAMPED # 140
1	Orifice, 79, Simmer – Nat STAMPED #79
1	Orifice, 65, Simmer (Red Dot) STAMPED # 65
3	Orifice, 65, Simmer - Nat STAMPED # 65
1	NG Range Rating Label
1	Conversion Instructions

Tools Needed for Conversion:

- T15 Torx bit
- Small Blade Flat Head
- #1 Phillips Screw Driver
- 7mm Socket with driver
- Adjustable wrench
- Needle nose pliers
- Exacto Knife/Ultility Knife

⚠ CAUTION

Before proceeding with conversion, shut off gas supply to appliance prior to disconnecting electrical power.

Procedure:

Cooking Surface Pan Removal:

1. Remove grates, burner caps, and knobs.
2. Remove two Torx head screws, which become visible after removing burner caps. Repeat for all burners.
3. Lift burner assembly out of top using a slight rocking motion. The igniter is captured below burner pan.
4. Label igniter wire to mark its location and unhook igniter wire from electrode. ***NOTE:*** *Electrode is attached to burner head assembly, DO NOT attempt to remove this as part of the assembly.*
5. Once burners are removed, gently pull up on pan and set aside.

Jet Holder (Main and Simmer)Orifices: See Fig. 1

Using the 7mm socket, unscrew orifices from each jet holder.
On the 15K Burner: Main orifice labeled **117** replaced with orifice stamped **180**.
On 15K Burner: Simmer orifice labeled **47**, replaced with orifice stamped **79** (without black mark).
On 12K Burner: Main orifice labeled **105**, replaced with orifice stamped **159**.
On 12K Burner: Simmer orifice labeled **47**, replaced with orifice stamped **65 (Red Dot)**.
On 9.2K Burner: Main orifice labeled **93**, replaced with orifice stamped **140**.
On 9.2K Burner: Simmer orifice labeled **41**, replaced with orifice stamped **65**.

Accessing Valve by-Pass Screws:

1. With burner pan still removed, make a small cut above screw head See Fig. 2. This cut should be sufficient to allow for screw removal.
2. Remove screw and lift off ring light.
3. Repeat this for all valves, making sure to note location of ring light for proper reassembly.

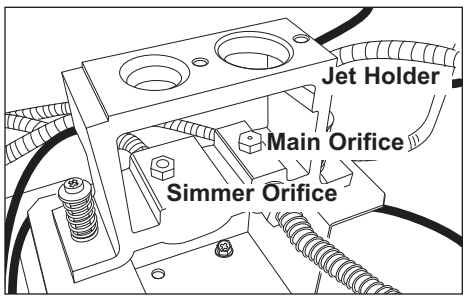

Figure 1

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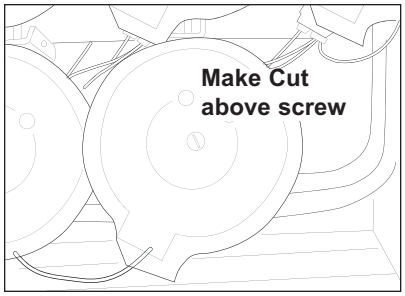

Figure 2

Valve By-Pass Screws: Refer to Fig. 3

On 15K Burner: Replace Main by-pass valve screw stamped **43** with screw stamped **67**. Replace simmer by-pass valve screw stamped **43** with screw stamped **62**.

On 12K Burner: Replace Main by-pass valve screw stamped **38** with screw stamped **57**. Replace simmer by-pass valve screw stamped **33** with screw stamped **50**.

On 9.2K Burner: Replace main by-pass valve screw stamped **34** with screw stamped **54**. Replace simmer by-pass valve screw stamped **33** with screw stamped **43**.

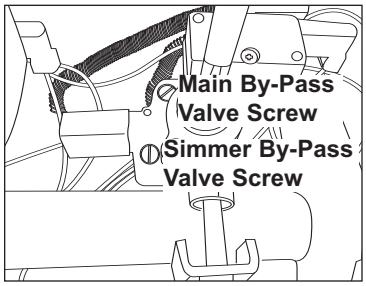

Figure 3

Unit Reassembly:

1. Replace ring lights and tighten screws.
2 Place pan on top of unit.
3. Replace burners and torque Torx screws to -40 in-lbs maximum.
4. Replace burner caps and grates.
5. Verify electrode position. Make sure electrode is not tilted improperly. Electrode tip should be facing toward front of unit and be at same height as second row of burner ports from top of burner head. Spark gap should be .100 in. from burner head.
6. Leak test unit.

Gas Regulator

Convertible Gas Regulator: The gas regulator is located under cooktop burner box. Use a 23 mm, 7/8" socket, or adjustable wrench to remove regulator access cap. On inside of cap, remove plastic insert (See Fig. 4) and invert it so that disk end is out and replace in cap. Replace cap into regulator.

NOTE: *This conversion adjusts for proper gas manifold pressure for conversion to LP gas from natural gas.*

Manifold Pressure: With conversion complete, manifold pressure should be 10" of water column. The supply pressure should be from an approved LP source at minimum and maximum pressure of 11" and 14" of water column respectively.

Flame Characteristics: The flame produced by burner should be a quiet, blue flame with some minor yellow tipping and exhibiting no lifting or blowing. See Fig. 5. No modifications should need to be made to flame.

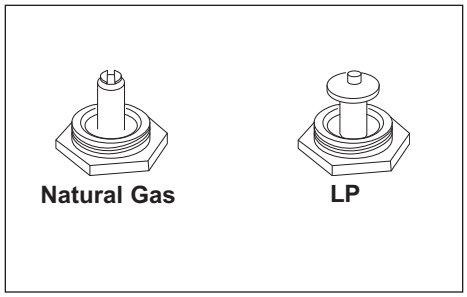

Figure 4

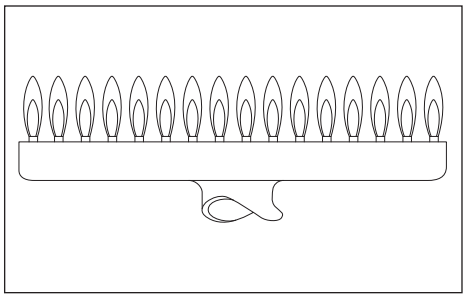

Figure 5

Ignition System: If unit is operating properly after conversion, burners should ignite within 4 seconds of gas flowing out of burner ports. If flame is extinguished, unit should also automatically re-ignite within 4 seconds. When burner is operating correctly, with a proper, hard flame, the unit should not be sparking.

Leak Testing: With all orifices converted, use a gas detection device to detect any gas leakage into burner box. This can be accomplished by turning on one valve at a time and sealing off top of orifice. Look for leaks around bypass valves and also at orifice as these are the only two locations a leak could occur, as a result of this conversion.

Labels: Once installation of all orifices is complete, and all appropriate tests have been satisfied, fill out all applicable information and affix LP range label to bottom of burner box.