PART # 785
NGCK-A (Auto Ignition)

OUTLAND FIREBOWL® | Natural Gas Conversion Kit

⚠ 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 is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

APPLIANCE MODELS ACCEPTABLE TO BE USED WITH THIS KIT - NGCK-A 785 (AUTO IGNITION MODELS)			
TICK	**SERIES NAME**	**MODEL NUMBERS**	**SERIES NUMBERS**
☐	OUTLAND FIREBOWL PREMIUM	FMPPC2C	870

NATURAL GAS CONVERSION KIT RATINGS	
GAS ORIFICE SIZE	3.7mm
MANIFOLD PRESSURE	7in WC
INLET PRESSURE	0.25 PSIG
INPUT RATING	58,000BTU/h

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OUTLAND PROPANE TO NATURAL GAS APPLIANCE CONVERSION KIT MANUAL

OUTLAND PART NUMBER: 785

CONTENTS:

1. **Natural Gas Conversion Kit Manual**
2. **Natural Gas Valve (marked with Yellow Cap)**
3. **3/8" Diameter Gas Hose - 12ft length (marked with Yellow Cap)**
4. **Quick Disconnect for 3/8" Gas Hose (marked with Yellow Cap)**
5. **Marking and Warning Label (Side/Tag 1): Conversion Statement Label**
6. **Marking and Warning Label (Side/Tag 2): Conversion Identification Label**
7. **Marking and Warning Label - Hang Strap**

STEP 1
First, ensure the control knob is in the OFF position and the LP tank valve is closed.

STEP 2
Disconnect the hose and regulator from the LP tank.

⚠ CAUTION:
The gas supply shall be shut off prior to disconnecting the electrical power, before proceeding with the conversion.

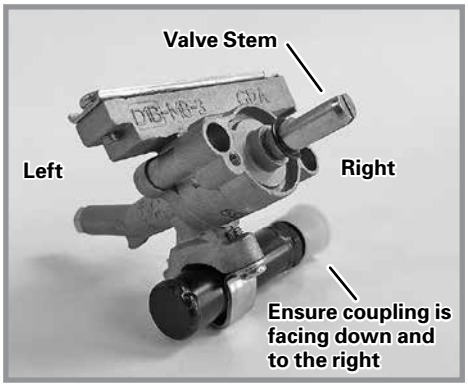
STEP 3
Remove the gas control knob by gripping firmly and pulling straight out.

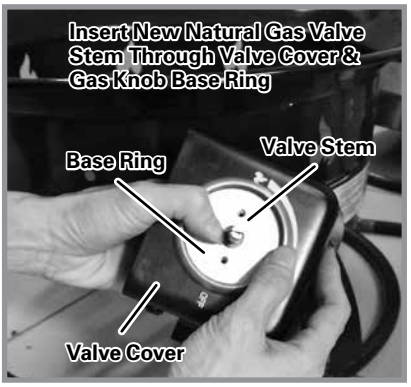
STEP 4
Remove the two screws located next to the exposed valve stem. This will release the control knob seat which you can set aside.

STEP 5
Remove the four screws which affix the valve cover to the main body of the firebowl. Retrieve the nuts and washers on the back side. Set the valve cover and screws/nuts/washers aside.

STEP 6
The original valve should easily fall free of the gas tube port. Remove the igniter from the valve by pulling the plastic sheath back and then gripping the electrical cord by the base attachment and pulling firmly.

STEP 7
Remove the old propane valve and set it aside. Label and save this propane valve for converting back to propane if required. Take the new NATURAL GAS valve (marked with Yellow Cap) and insert the stem through the valve cover ensuring the coupling is facing down and to the right.



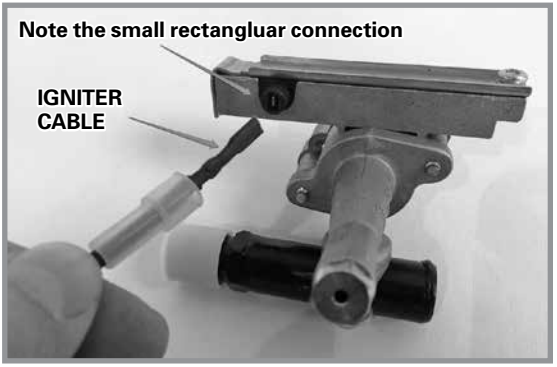


STEP 8

Align the openings of the valve, valve cover and control knob seat and insert the two screws.

STEP 9

Connect the igniter cable to the gas valve igniter. Note the small rectangular connection.



STEP 10

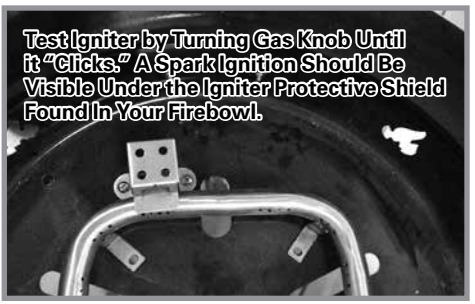
Position the valve orifice into the gas tube port on the appliance and re-attach the valve cover to the body of the firebowl with the four screws, washers and nuts.

STEP 11

Re-insert the control knob ensuring the flat end of the valve stem aligns with the receptacle of the knob. Ensure the arrow on the knob aligns with the OFF indicator on the valve cover when the valve is set in the closed position. To check, push and turn the knob clockwise until it stops. The arrow on the knob should be aligned with the OFF indicator on the valve cover at this point.

STEP 12

Test the Igniter to verify the correct installation and ensure proper spark. Locate the igniter inside your Firebowl (under protective shield). Turn the gas knob until it clicks. A small spark ignition should be visible at the tip of the igniter. If the spark is not working clean dust from igniter tip. Try again. If still not working you have not installed the igniter cable correctly. Reattach the igniter cable. Retest. Repeat process until you verify the spark works.



STEP 13

Attach the 3/8" natural gas hose provided to the valve assembly. Use a wrench to firmly tighten.



STEP 14

Your natural gas conversion kit comes with a quick-disconnect which should be installed by a professional certified natural gas fitter. If your gas access box is already equipped with a NG Quick Connect feature check the fit with the supplied 3/8" hose adaptor; if it fits it is fine to use with this configuration. Once the quick-disconnect is properly installed proceed to the next step.



STEP 15

Confirm that the valve on your natural gas box gas supply is closed OFF.



STEP 16

Attach the gas hose to your installed quick-disconnect gas source (house line).

STEP 17

Confirm that the control knob on the Firebowl is in the OFF position.

STEP 18

Turn on the gas flow from your source valve.



STEP 19

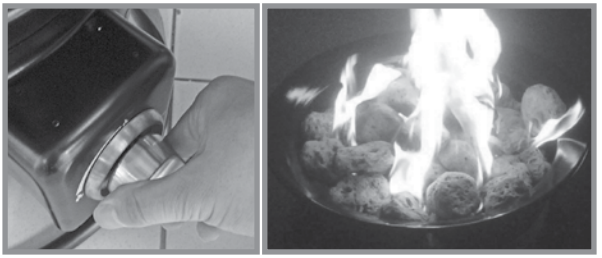
LEAK TEST: Prepare a soapy mixture in a spray bottle and perform a leak test on all fittings prior to use. Spray the solution on all critical junctures and inspect for bubbles forming around any of the connections. If growing bubbles appear it indicates that there is a gas leak. If a leak is detected immediately shut of the gas at the source. Retighten all connections and try again. If the leak persists do not attempt repairs. Call Outland Living for replacement parts.



STEP 20

Deploy fire rocks in the Firebowl. Arranging smaller rocks on the bottom and larger on top is preferred.

STEP 21



VERIFY THE RELATIONSHIP OF IGNITER TO BURNER PRIOR TO COMPLETING CONVERSION:

a. Reference the appliance Owner's Manual for Ignition sequence. Test the Ignition to verify the correct installation: Push in the gas knob, pause for 1-3 seconds, and turn the gas knob to click the igniter. The gas appliance should be lit.
b. Verify the flame. Upon igniting the appliance, visually verify that the burner is indeed burning as demonstrated in the image above. The presence of flames will confirm that the burner is burning. To test the adjustment of the gas input rate (flame height and intensity) tune the gas knob left or right. Adjust rocks with poker to reveal flame. Refer to your Owner's Manual for further details.

STEP 22



If after lighting attempts there are no flames present, as demonstrated in the image to the right, the appliance is likely not burning. If this is the case, IMMEDIATELY turn the valve to the 'off' position if it is not already and repeat the ignition procedure. The firebowl should light within the first three tries. Never let the gas knob flow open for more than 5 seconds without lighting. If the gas does not ignite within 5 seconds turn off the valve, wait 5 minutes for the gas to dissipate. Check gas supply is open. Check connections. If your appliance has an electric igniter clean and clear igniter of any debris and dust. Repeat ignition procedure.

STEP 23

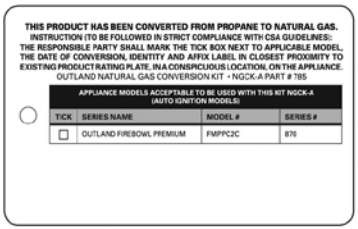
AFFIX MARKING AND WARNING LABEL AFTER CONVERSION, TESTING AND VERIFICATION SEQUENCES ABOVE ARE COMPLETE AND PRIOR TO FIRST USE. The marking and warning label has two sides, containing specific TAG 1 and TAG 2 content, and requires specific action as instructed below to be in strict compliance with CSA guidelines. ATTENTION: check first that the appliance is not hot before handling the appliance and affixing tag.

INSTRUCTION:

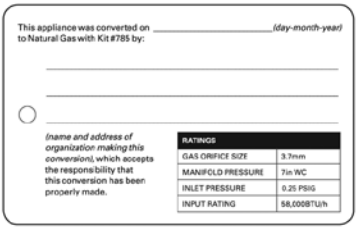
a. TAG 1: IN STRICT COMPLIANCE WITH CSA GUIDELINES THE RESPONSIBLE PARTY SHALL MARK THE TICK BOX NEXT TO APPLICABLE MODEL.

b. TAG 2: IN STRICT COMPLIANCE WITH CSA GUIDELINES THE RESPONSIBLE PARTY SHALL MARK THE DATE OF CONVERSION AND THEIR IDENTITY WITH PERMANENT MARKING.

MARKING AND WARNING LABEL - NGCK-A PART# 785

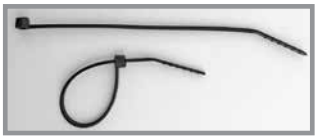


SIDE/TAG 1



SIDE/TAG 2

STEP 23 (Cont'd)



c. IN STRICT COMPLIANCE WITH CSA GUIDELINES THE RESPONSIBLE PARTY SHALL AFFIX THE MARKING & WARNING LABEL IN CLOSEST PROXIMITY TO EXISTING PRODUCT RATING PLATE, IN A CONSPICUOUS LOCATION, ON THE APPLIANCE BEING CONVERTED:
After Steps A and B above are complete, affix the label on the appliance, using the supplied hang strap, in the location as shown on the applicable model appliance picture below.

MODEL	FMPPC2C
LABEL PLACEMENT LOCATION	

STEP 24

Your Outland Firebowl is now converted to Natural Gas. Follow normal lighting procedures as per your Owners' Manual.