



For Models:  
PRELPK-1  
PRENGK-1  
PROLPK-1  
PRONGK-1

Lynx Professional Grills highly recommends that a **certified gas plumber** install conversion kits.

Tools needed:

- 1 ¼" open end wrench or large channel locks (removing / installing NG regulator)
- Phillips screwdriver (removing installing rear panel / adjusting air shutters)
- ½" deep socket and ratchet (removing / installing gas orifices on burner valves)
- ½" open end wrench (removing / installing rotisserie burner orifice)
- 3/32" blade slot screwdriver - 3" long shaft (adjusting burner valves to obtain proper minimum flame)
- 5/8" open end wrench (removing / installing LP regulator & hose to flare fitting)
- Pipe wrench (removing / installing the LP – brass 90 degree ½" x 3/8" flare elbow and NG – 90 degree street elbow connection at manifold)
- Pipe dope, yellow Teflon gas tape, etc (sealing gas connections)

Converting the grill:

- Remove cooking grates and briquettes trays.
- Remove the brass burners, lift up and then back, up and out. Remove the holding screw on the sear burner and lift up and then back, up and out.
- Maintenance: check burner throat for spider webs, run a bottle brush around the inside diameter, wire brush over burner to insure ports are clear.
- Using the ½" deep socket remove the orifices from the burner valves. Be sure to support the socket straight and true.

Refer to the attached chart to install correct orifices.

- Using the deep socket install the proper orifices completely onto the valve. Hold the socket straight and true.
- Remove the rear rotisserie access panel cover plate w/ phillips screwdriver. (one screw on rear hood)
- Remove the rotisserie burner orifice using the ½" open end wrench. Install the specified orifices.
- On cabinet models, remove the back regulator access panel (four screws) with the phillips screw driver.
- Built in models, under the enclosure, the regulator is located at the rear of the grill.
- Remove the regulator and connector (brass elbow – LP, black pipe 90 degree elbow - NG) from the manifold and install the regulator supplied in kit.
- Open "LP" air shutters three-quarters.
- Open "NG" air shutters one half.
- Check for leaks using a concentrated soap & water mixture at all connections.

#### **Do not use flame to test for leaks.**

- Replace the burners. Light the grill to check flame height. Adjust low flame height with the 3/32" slot blade screw driver.
- Turn the burner valve to the low position. Hold the valve stem in position by hand and insert the screwdriver into the hole in the valve stem. Turn the screwdriver right (clockwise) to reduce flame or left (counter clockwise) to increase flame height.
- Open and close each valve twice to insure the flame height did not change. Re-install all parts and replace all panels removed.

Contact Lynx technical service if you need assistance. Phone # 888-289-5969

## **Gas Plumbing Requirements**

- A pressure regulator must be installed on all gas equipment. All local codes require that a pressure regulator be installed. Removing or failing to install the pressure regulator can result in fire and serious bodily harm.
- An installer supplied gas shut-off valve must be installed in an easily accessible location for all hard-plumbed natural gas and liquid propane applications.
- In order for a Lynx Grill to perform properly, you must have adequate gas plumbing. Please see the guidelines below to help ensure that you have the appropriate gas plumbing with respect to gas pipe diameter, length of pipe run and the grills BTU requirements.

<b>Internal Pipe Diameter</b>	<b>10 ft.</b>	<b>20 ft.</b>	<b>30 ft.</b>	<b>40 ft.</b>
½"	170,000 BTU	118,000 BTU	95,000 BTU	80,000 BTU
¾"	360,000 BTU	245,000 BTU	198,000 BTU	169,000 BTU

<b>Internal Pipe Diameter</b>	<b>50 ft.</b>	<b>60 ft.</b>	<b>70 ft.</b>	<b>80 ft.</b>
½"	71,000 BTU	64,000 BTU	60,000 BTU	55,000 BTU
¾"	150,000 BTU	135,000 BTU	123,000 BTU	115,000 BTU

Models		Altitude								
		0-2000'		2000'-5000'		5000'-8000'		8000'-10,000'		
		NG	LP	NG	LP	NG	LP	NG	LP	
27" & 36"	Main Burner	→	41	53	42	54	44	54	46	55
	ProSear Burner	→	44	54	45	55	47	55	48	56
	IR Rotisserie	→	50	57	51	59	52	61	54	63
30" & 54"	Main Burner*	→	41L**	53L***	42L	54L	44L	54L	46L	55L
	ProSear Burner	→	42	54	42	55	44	55	45	56
	IR Rotisserie	→	50	57	51	59	52	61	54	63
42"	Main Burner*	→	41L**	53L***	42L	54L	44L	54L	46L	55L
	ProSear Burner	→	42	54	42	55	44	55	45	56
	IR Rotisserie	→	48	56	49	57	50	58	51	59

**\* IMPORTANT NOTE for 30" / 42" / 54" Grills:**

The Main Burner on 30" / 42" / 54" grills requires the 'long' orifice.

These orifices are 1.375" in length. Failure to use the longer orifice on these models could result in a serious fire.

\*\* 41L      Long      30329      1.375" in length  
 \*\*\*53L      "      30328      1.375" in length

**Orifice**

<b>Size</b>	<b>Length</b>	<b>Lynx P/N</b>
41	Short	13013
42	"	13014
43	"	31880
44	"	13015
48	"	30470
50	"	13016
53	"	13019
54	"	13020
56	"	31342
57	"	13021