

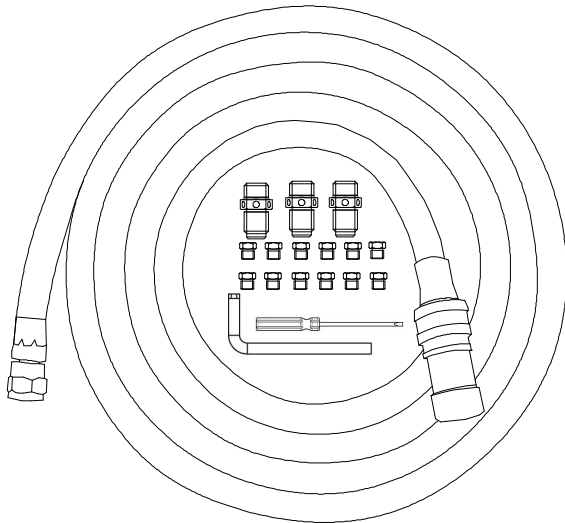
ITEM #0050772



NATURAL GAS CONVERSION KIT

Master Forge & M Design is a registered trademark of LF, LLC.

Français p. 33
Español p. 65



WARNING

To reduce the risk of fire, burn hazard or other injury, read the manual carefully and completely before using your grill.



WARNING

For Outdoor Use Only.

GAS-FIRED

LISTED
MH 10297

ATTACH YOUR RECEIPT HERE

Serial Number _____ Purchase Date _____



Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 1-800-963-0211, 8:00 a.m. to 6:00 p.m., EST, Monday-Thursday, 8:00 a.m. to 5:00 p.m., EST, Friday.




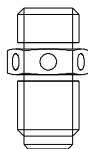
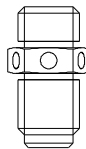
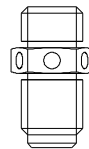

TABLE OF CONTENTS

Package Contents.....	3
Conversion Instructions.....	4
Care and Maintenance.....	30
Troubleshooting	31
Warranty	32

PACKAGE CONTENTS

Part	Description	Quantity
A	10 ft. Natural Gas Hose	1
B	Orifice Removal Tool	1
C	Flathead Screwdriver	1

Orifice Size

NG Kit Model #	Model #, Item #	Main burner Φ1.37	Main burner/Side burner Φ1.44	Searing burner Φ1.46 (In Fire Box)	Searing/Panini Φ1.37 (In Side Shelf)	Rotis burner Φ1.25	Rotis burner Φ1.40	Side burner Φ1.32	Certified
									
Qty.		5	5	1	1	1	1	1	UL
SH3118B-KIT	SH3118B, 0314076	3	N/A	1	N/A	N/A	N/A	1	UL
P3018-KIT	P3018, 0314073	4	N/A	N/A	1	1	N/A	N/A	UL
2518-3-KIT	2518-3, 0221885	4	1	N/A	N/A	N/A	N/A	N/A	UL
L3218-1-KIT	L3218, 0314075	N/A	5	N/A	1	N/A	1	N/A	UL
	L3218-1, 0314075								
3218LT-KIT	3218LT, 0221886	5	N/A	N/A	1	N/A	1	N/A	UL
	3218LTN, 0006554								
3618ST-KIT	3618ST, 0404349	5	See note below						UL
N/A	1010037, 0097709	N/A	5	N/A	N/A	N/A	N/A	N/A	CSA

Note: Grill Item #0404349 (Model #3618ST) contains a hardware pack of identified nozzles for side burner and sear top burner. Use the hardware pieces in this kit (Item #0050772) for the universal main burner orifices and certified quick disconnect natural gas hose.

PREPARATION

Before beginning conversion, make sure all parts are present. Compare parts with package contents. If any part is missing or damaged, do not attempt to convert.



WARNING: Place the grill on a flat, level surface.

Before the conversion, make sure all control knobs are in the OFF position, LP tank valve is closed, and tank is disconnected from regulator and removed from grill.

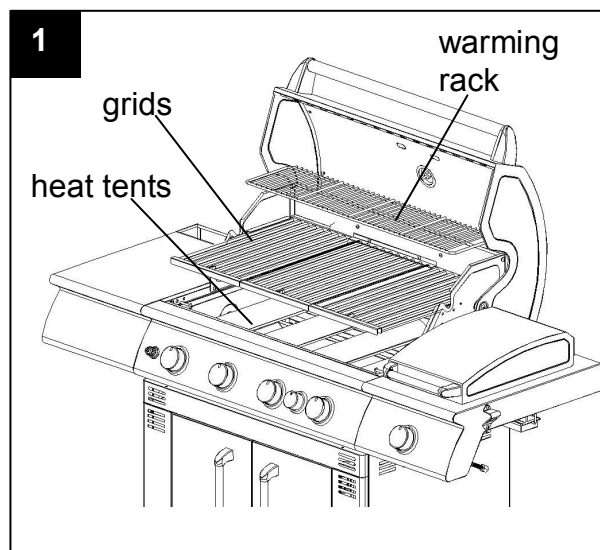
Next, open lid and remove warming rack, grids and flame step tents.

CONVERSION INSTRUCTIONS

Conversion Instructions for Item #0314073

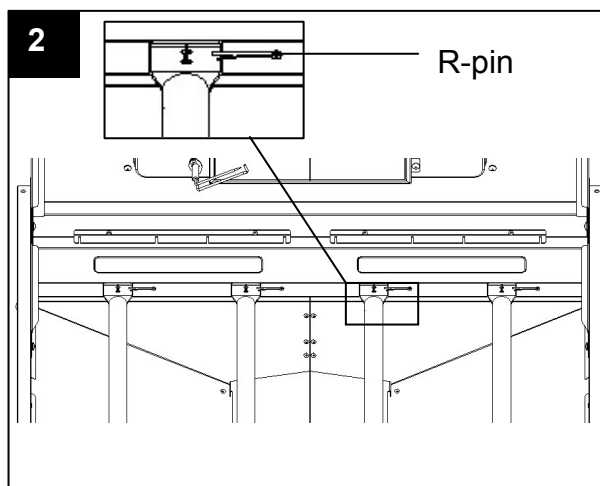
Before the conversion, make sure all control knobs are in the OFF position, LP tank valve is closed, and tank is disconnected from regulator and removed from grill.

Next, open lid and remove warming rack, grids and heat tents. (Fig. 1)

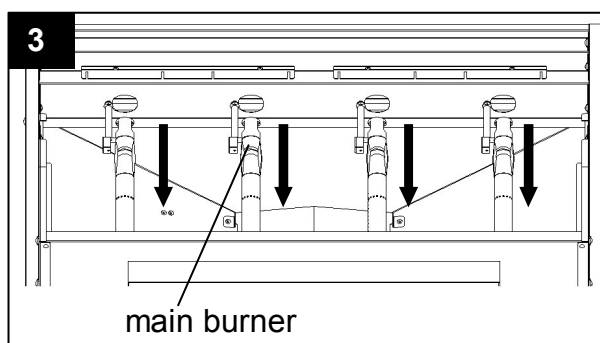


Main Burner Conversion

1. Remove the R-pins at the back of main burners to detach burners from bracket. (Fig. 2)

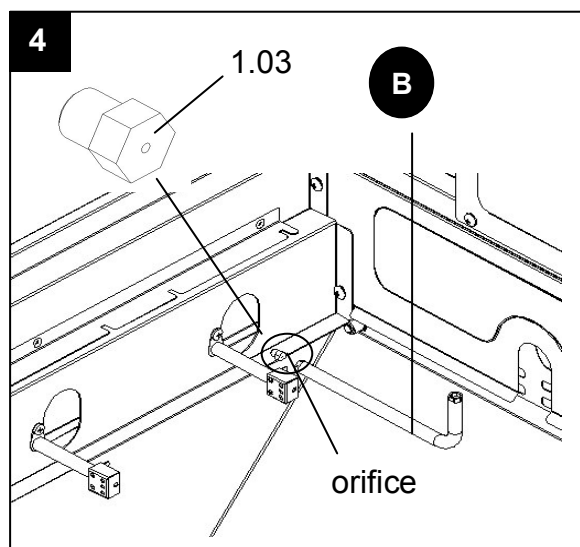


2. Lift back of main burners while sliding burners out of firebox, disengaging main burners from valves. (Fig. 3)



CONVERSION INSTRUCTIONS

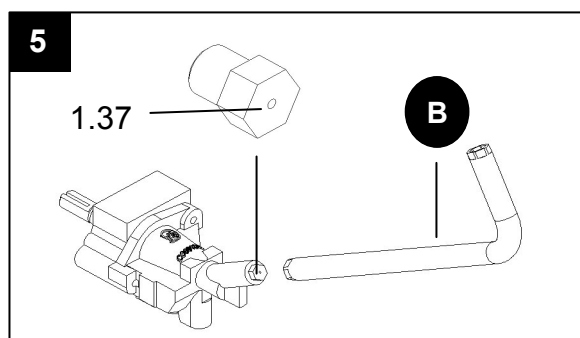
3. Insert the provided orifice removal tool (B) into burner openings and unscrew orifices (1.03) from ends of valves. (Fig. 4)



4. Put the new orifice into the orifice removal tool (B), and then insert the tool into the burner opening and tighten the new orifice to the valve.

Repeat this step for all four burners.

Make sure you are using the correct orifice, which is marked “1.37”. (Fig. 5)

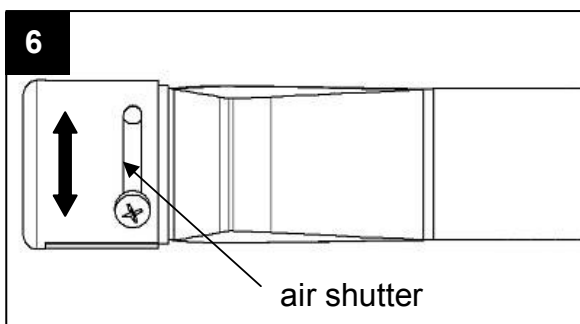


5. Adjust main burners' air shutters by loosening the air shutter screws. The settings are:

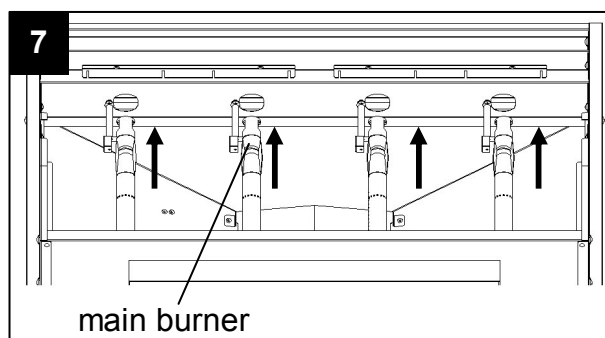
1/4 in. open for LP gas.

1/16 in. - 1/8 in. open for NG gas.

(Fig. 6)

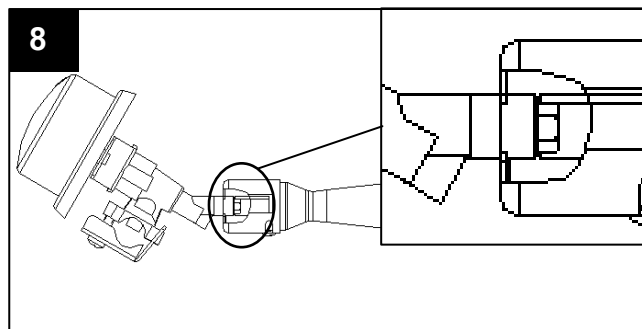


6. Insert main burners into firebox and secure each main burner to bracket with R-pins. (Fig. 7)



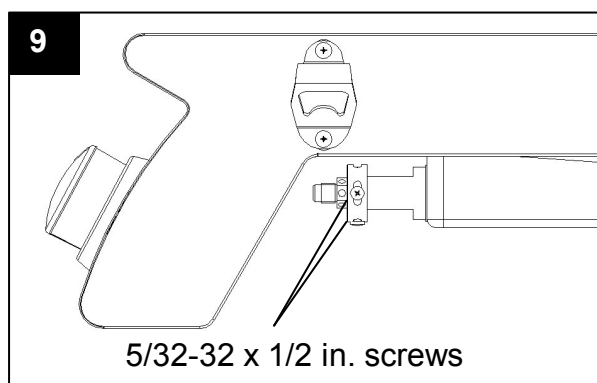
CONVERSION INSTRUCTIONS

7. Make sure burners engage valves. (Fig. 8)

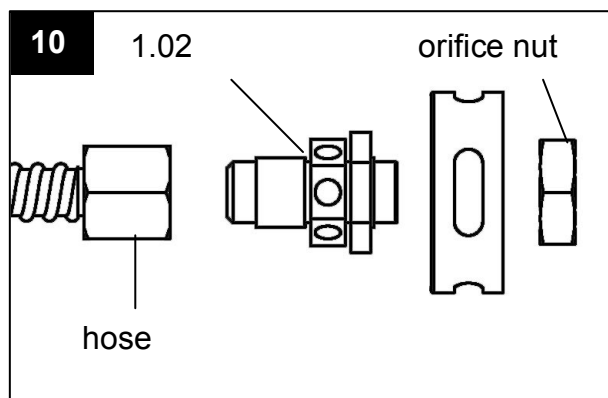


Side Burner Conversion

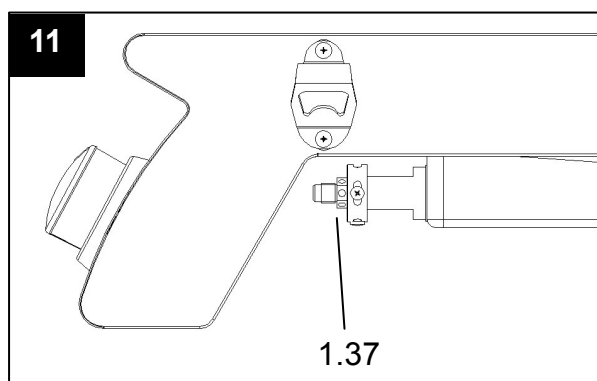
1. Remove the 2 screws (5/32-32 x 1/2 in.) from the end of the side burner valve. (Fig. 9)



2. Use a wrench to remove the orifice (1.02) between the side burner hose and the orifice nut. (Fig. 10)



3. Tighten the new orifice to the valve.
Make sure you are using the correct orifice, marked "1.37". (Fig. 11)

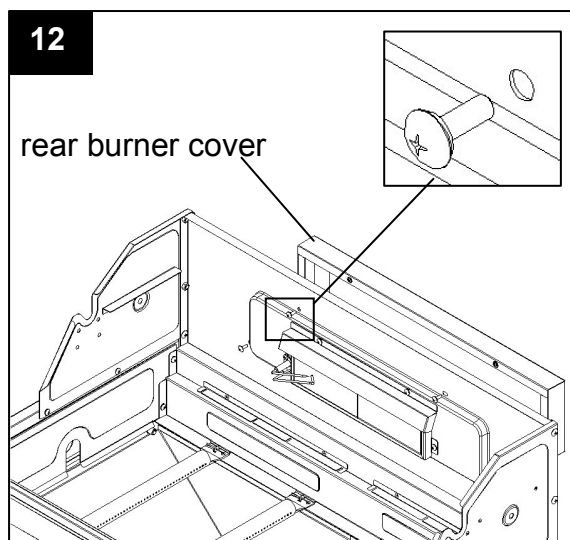


CONVERSION INSTRUCTIONS

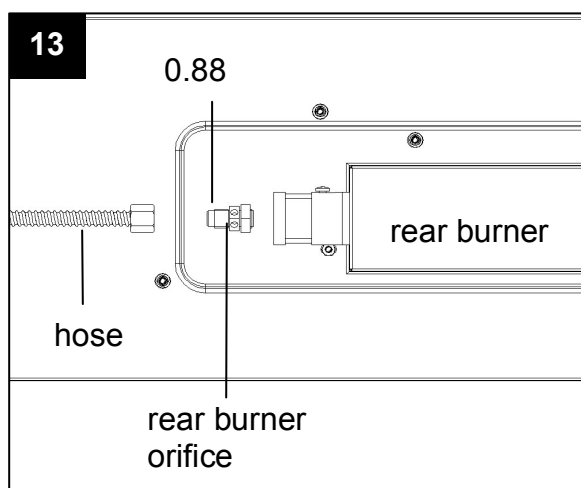
Rear Burner Conversion

1. Remove the 4 screws (3/16-24 x 1/2 in.) at the back of burner box to detach the rear burner cover from the rear panel of burner box.

During this process, hold the rear burner cover, otherwise, it will drop and may break, possibly causing injury. (Fig. 12)

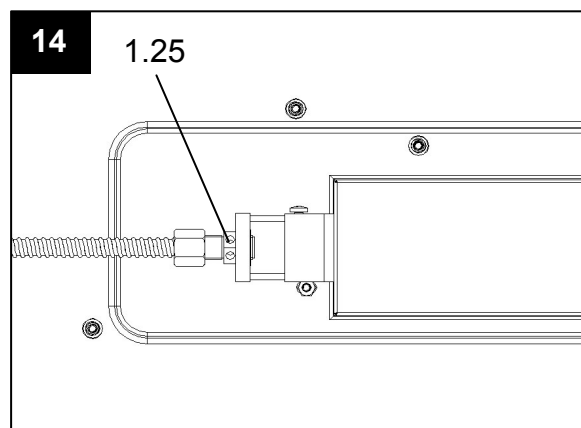


2. Use a wrench to remove rear burner orifice (0.88) from the rear burner and the hose. (Fig. 13)



3. Replace it with the NG orifice, and then tighten.

Make sure you are using the correct orifice, marked "1.25". (Fig. 14)



CONVERSION INSTRUCTIONS

4. Loosen the air shutter of the rear burner and adjust the distance between air shutter and rear burner. In LPG configuration, the air shutter is at its rightmost position, and the distance is about 0.67 in.; in NG configuration, the air shutter should be at its leftmost position, and the distance is about 0.4 in.. Please use a screwdriver to adjust the distance. After adjustment, tighten the screw. (Fig. 15)

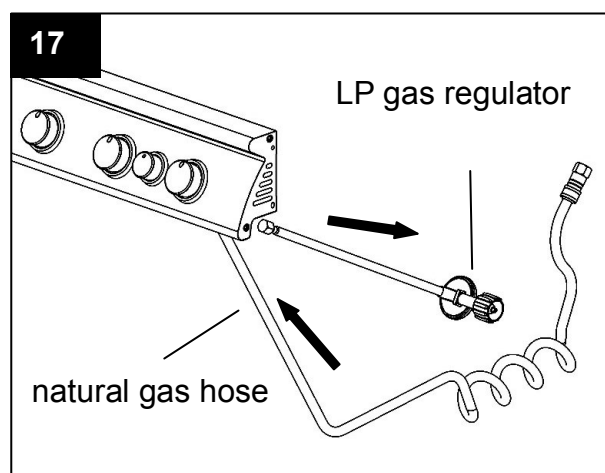
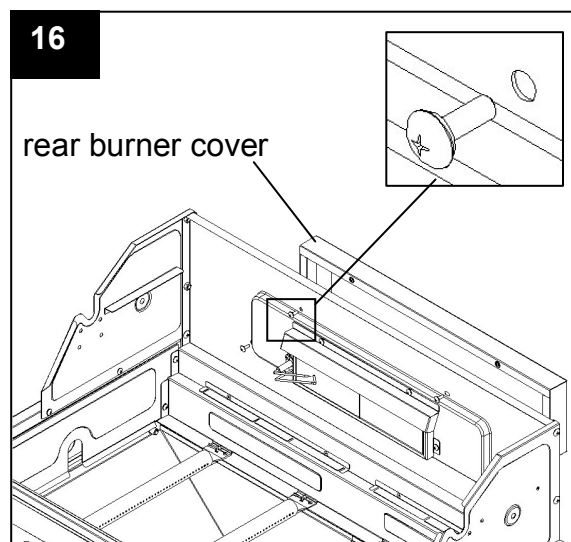
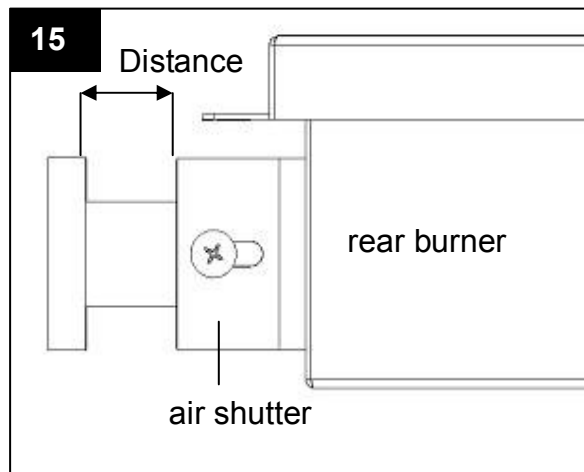
⚠ Warning: Do not touch the burner and the rear panel of the burner box without hand protection. The burner is hot.

5. Secure the cover to rear panel of the burner box with 4 screws (3/16-24 x 1/2 in.). (Fig. 16)

Natural Gas Hose Connection

Remove the LP gas hose and regulator using a wrench, and attach the natural gas hose.

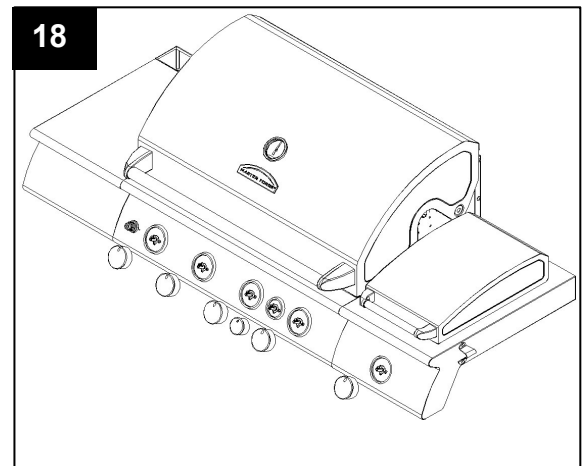
Use a wrench to tighten. (Fig. 17)



CONVERSION INSTRUCTIONS

Adjust valve model control screw

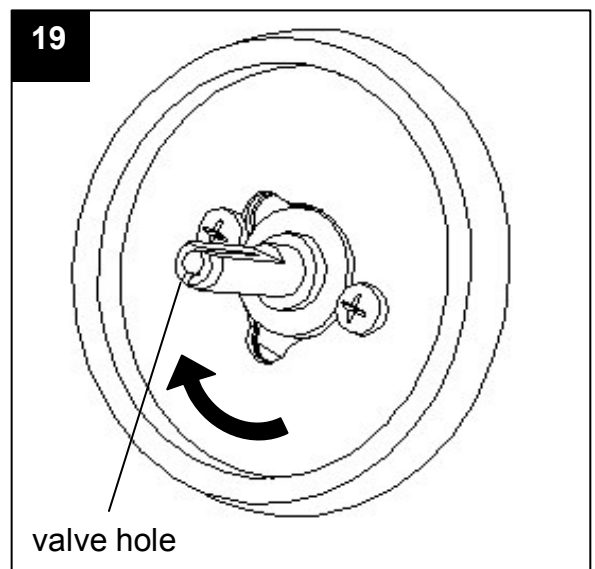
1. Pull all the knobs off of valve stems. (Fig. 18)



2. Adjust the screw in each valve hole using the flathead screwdriver (C).

In NG configuration turn the screws clockwise until tightened. (Fig. 19)

Make sure to completely tighten the screws. Failure to tighten the screws will result in the low heat setting working improperly (as illustrated in Fig. 19).

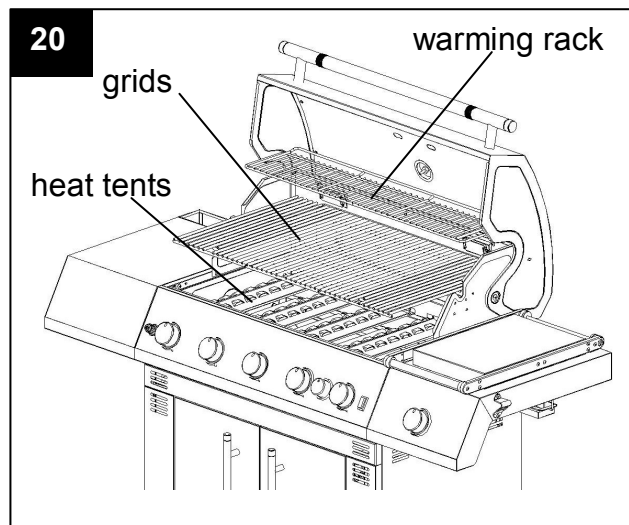


To complete adjustment, press all the knobs onto valve stems. After making all of the conversions, return heat tents to burner box, followed by the grid and warming rack.

CONVERSION INSTRUCTIONS

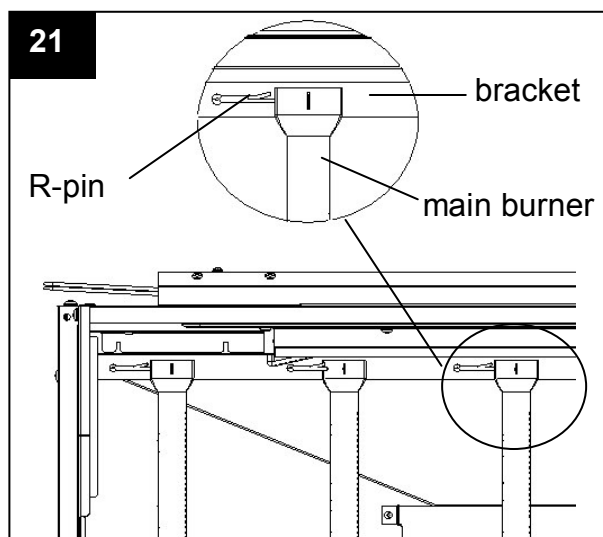
Conversion Instructions for Item #0314075

Before the conversion, make sure all control knobs are in the OFF position, LP tank valve is closed, and tank is disconnected from regulator and removed from grill. Next, open lid and remove warming rack, grids and heat tents. (Fig. 20)

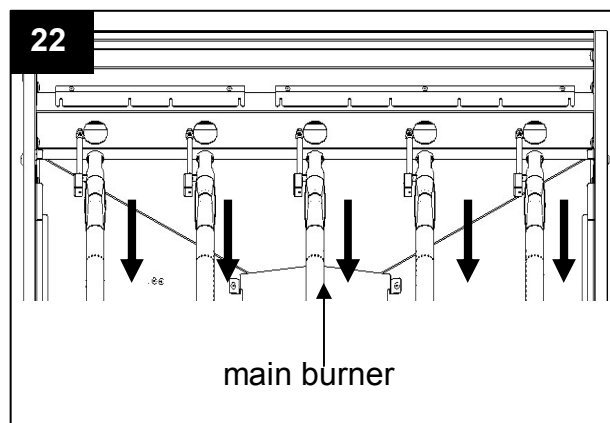


Main Burner Conversion

1. Remove the R-pins at the back of main burners to detach burners from bracket. (Fig. 21)

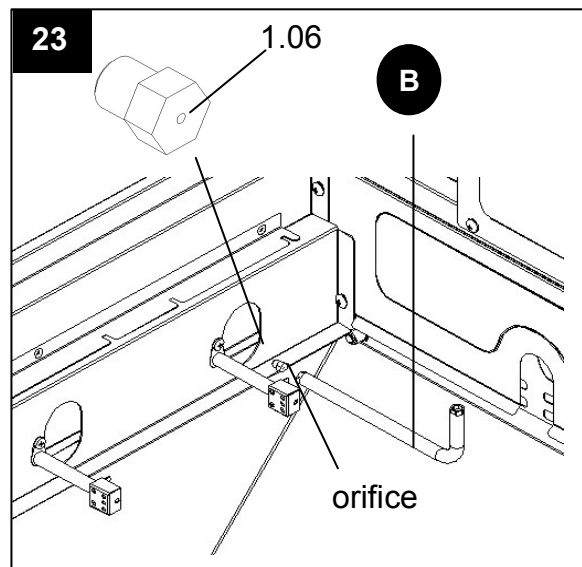


2. Lift back of main burners while sliding burners out of firebox, disengaging main burners from valves. (Fig. 22)



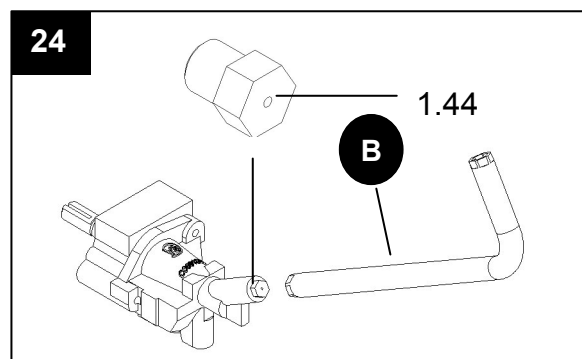
CONVERSION INSTRUCTIONS

3. Insert the provided orifice removal tool (B) into burner openings and unscrew orifices (1.06) from ends of valves. (Fig. 23)

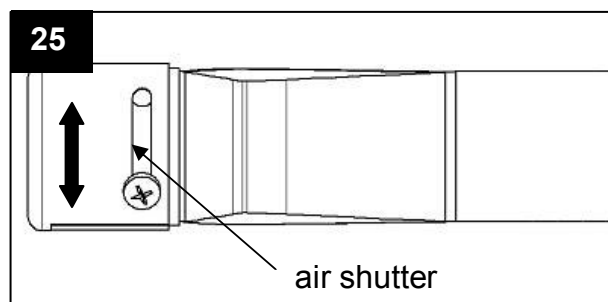


4. Put the new orifice into the orifice removal tool (B), and then insert the tool into the burner opening and tighten the new orifice to the valve. Repeat this step for all five burners.

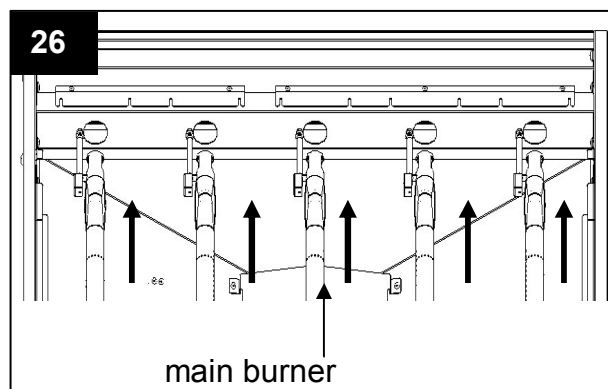
Make sure you are using the correct orifice, which is marked “1.44”. (Fig. 24)



5. Adjust main burners' air shutters by loosening the air shutter screws. The settings are:
1/4 in. open for LP gas.
1/16 in. - 1/8 in. open for NG gas.
(Fig. 25)

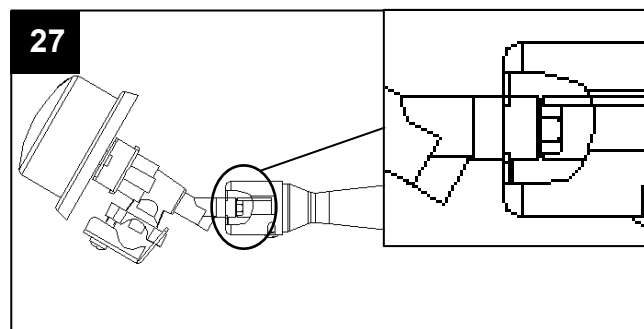


6. Insert main burners into firebox and secure each main burner to bracket with R-pins.
(Fig. 26)



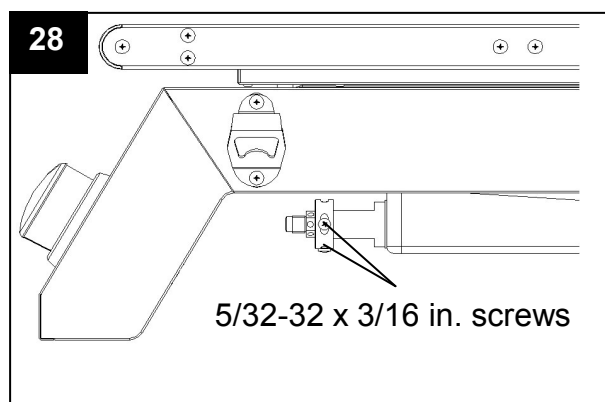
CONVERSION INSTRUCTIONS

7. Make sure burners engage valves. (Fig. 27)

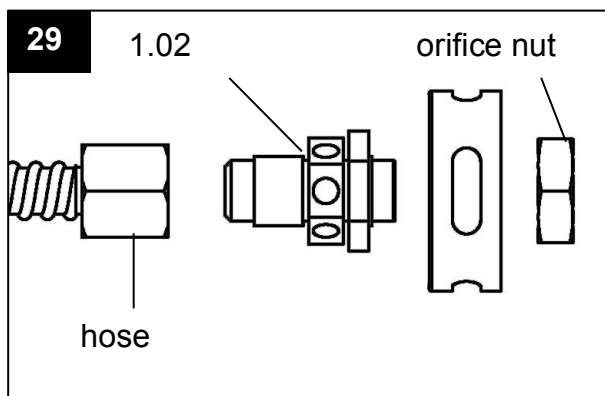


Side Burner Conversion

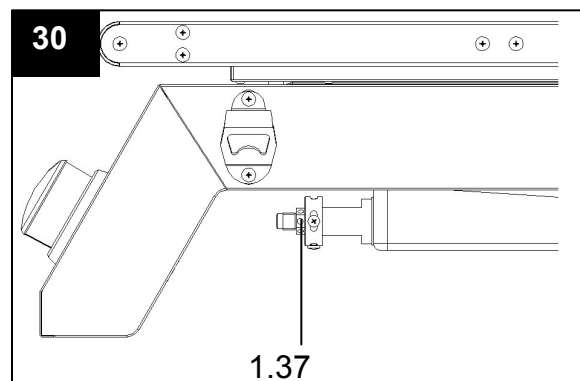
1. Remove the 2 screws (5/32-32 x 3/16 in.) from the end of the side burner valve. (Fig. 28)



2. Use a wrench to remove the orifice (1.02) between the side burner hose and the orifice nut. (Fig. 29)



3. Tighten the new orifice to the valve.
Make sure you are using the correct orifice, marked "1.37". (Fig. 30)



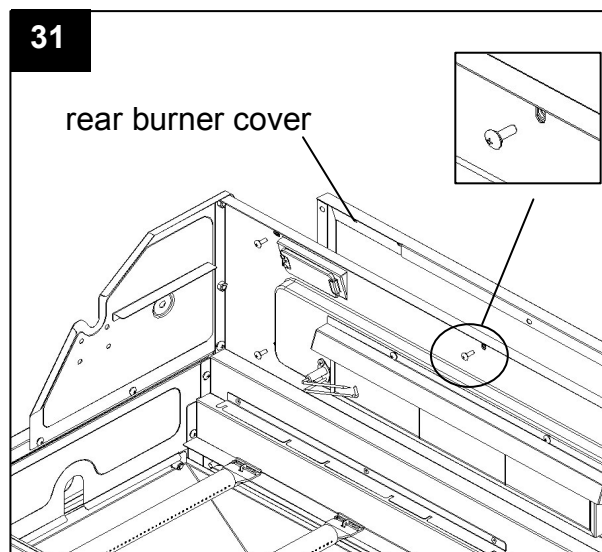
CONVERSION INSTRUCTIONS

Rear Burner Conversion

1. Remove the 5 screws (3/16-24 x 1/2 in.) at the back of burner box to detach the rear burner cover from the rear panel of burner box.

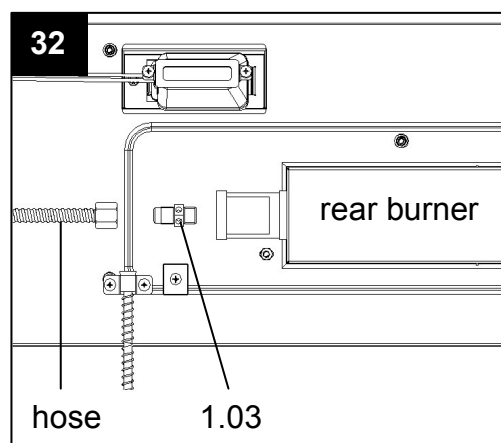
During this process, hold the rear burner cover, otherwise, it will drop and may break, possibly causing injury.

(Fig. 31)



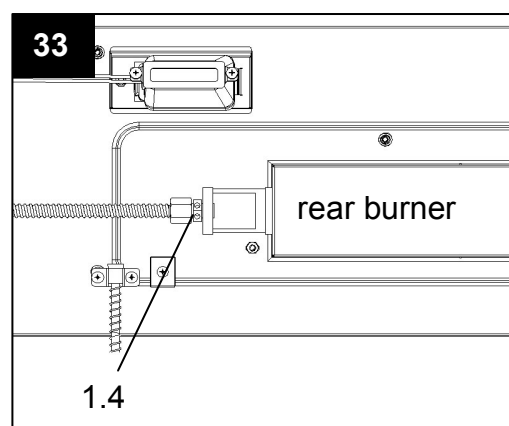
2. Use a wrench to remove rear burner orifice (1.03) from the rear burner and the hose.

(Fig. 32)



3. Replace it with the NG orifice, and then tighten.

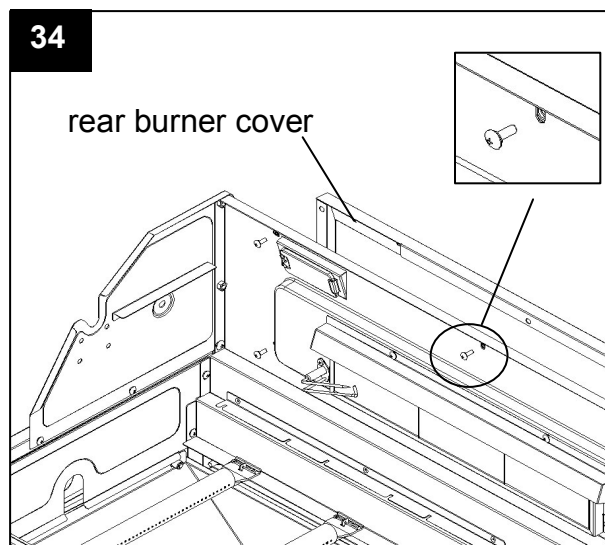
Make sure you are using the correct orifice, marked "1.4". (Fig. 33)



CONVERSION INSTRUCTIONS

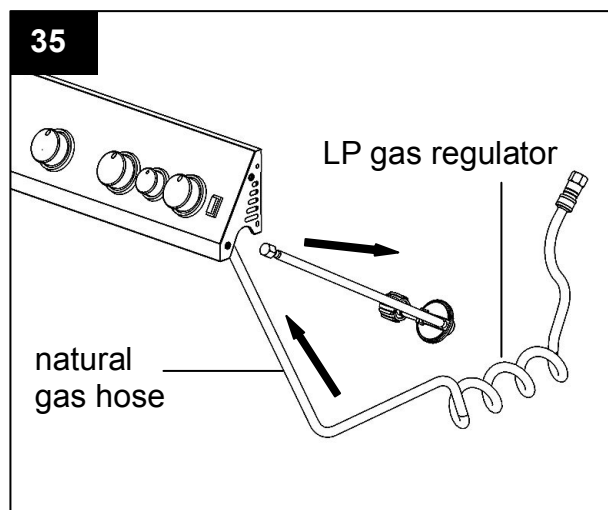
⚠ WARNING: Do not touch the burner and the rear panel of the burner box without hand protection. The burner is hot.

4. Secure the cover to rear panel of the burner box with 5 screws (3/16-24 x 1/2 in.).
(Fig. 34)



Natural Gas Hose Connection

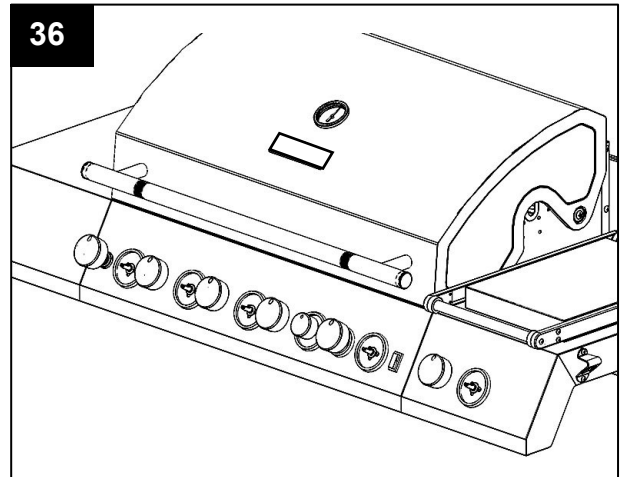
Remove the LP gas hose and regulator using a wrench, and attach the natural gas hose. Use a wrench to tighten. (Fig. 35)



CONVERSION INSTRUCTIONS

Adjust valve model control screw

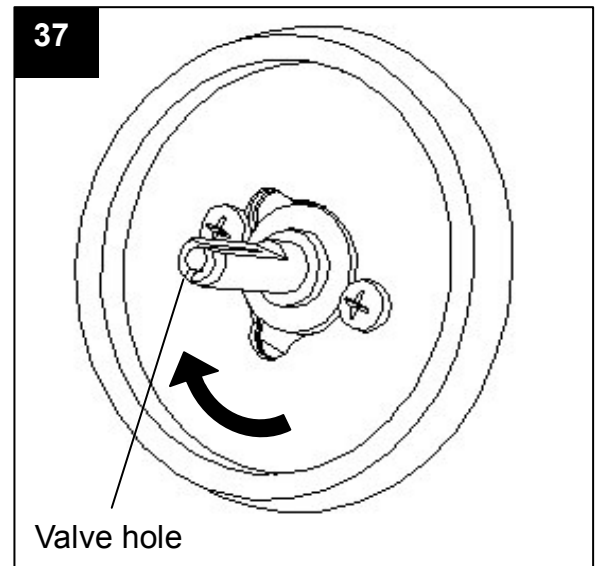
1. Pull all the knobs off of valve stems. (Fig. 36)



2. Adjust the screw in each valve hole using the slotted screwdriver (C).

In NG configuration turn the screws clockwise until tightened. (Fig. 37)

Make sure to completely tighten the screws. Failure to tighten the screws will result in the low heat setting working improperly (as illustrated in Fig. 37).



After making all of the conversions, return heat tents to burner box, followed by the grid and warming rack.

CONVERSION INSTRUCTIONS

Conversion Instructions for Item #0314076

1. Take the burners out and adjust the air shutter

a. Main burner conversion

Pull off the R-pins and take the main burners out. Adjust main burners' air shutters by loosening the air shutter screws.

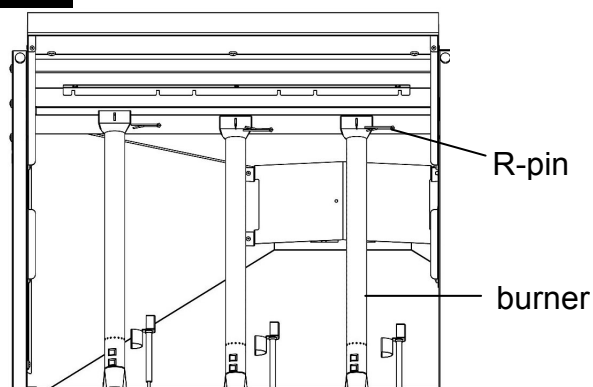
The settings are:

1/4 in. open for LP gas.

1/16 in. - 1/8 in. open for NG gas.

You need to adjust the openings before you put the burners back in the burner box.

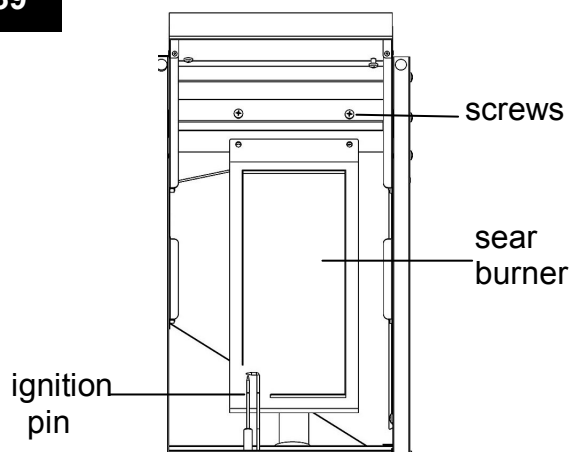
38



b. Sear burner conversion

Remove screws at the back of burner to detach burner from bracket and loosen the ignition pin. (Fig. 39) Then lift the back of the sear burner while sliding burner out of firebox.

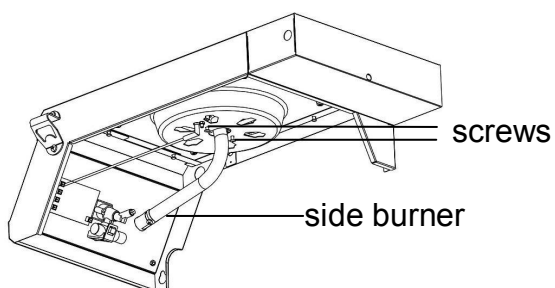
39



c. Side burner conversion

Loosen the 2 screws shown in Fig. 40 to expose the side burner orifice for changing. Adjust the side burner air shutter to have a 1/4 in. opening.

40

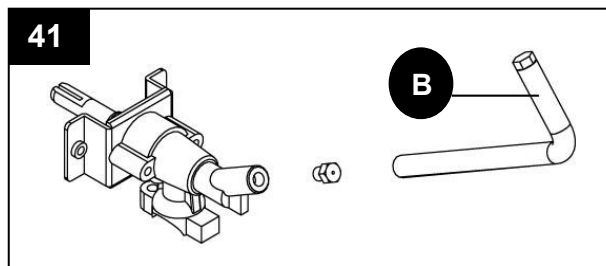


CONVERSION INSTRUCTIONS

2. Change to NG orifice

Remove the LP orifices first with the orifice removal tool (B). Install the NG orifice according to the table below.

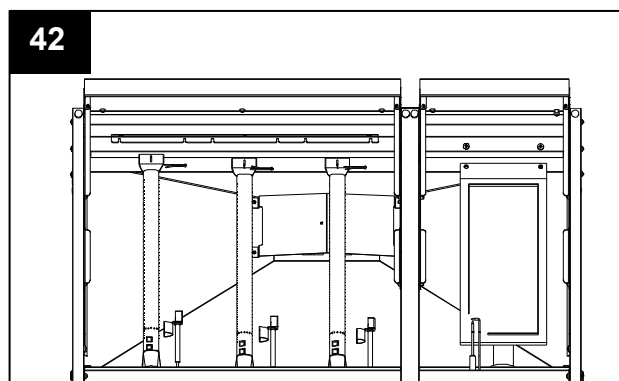
(Fig. 41)



NG Orifice for Item #0314076		
Main Burner	Φ1.37 mm	3 PCS
Sear Burner	Φ1.46 mm	1 PC
Side Burner	Φ1.32 mm	1 PC

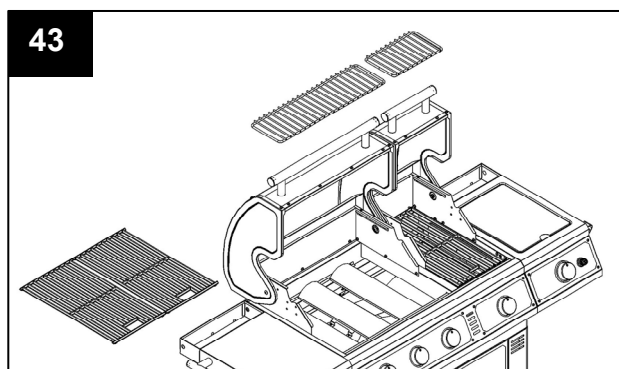
3. Re-install the burners

Make sure the orifices are aligned with the burners and the ignition pins are installed in their original positions. Check the sparks before operating the grill. (Fig. 42)



4. Reassemble remaining parts

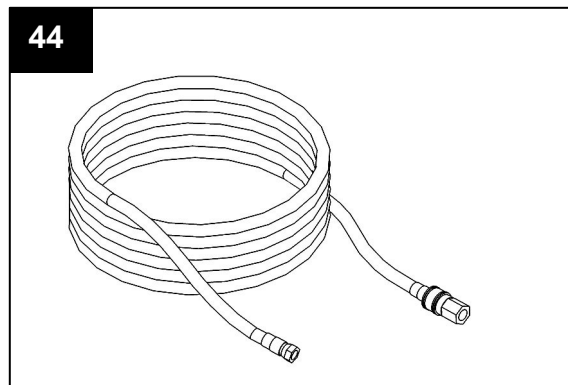
After making all of the conversions, put flame tamers back in the burner box, followed by the grids and warming racks. (Fig. 43)



5. Change to 10-ft. NG hose

Take the regulator off the manifold and replace it with 10-ft. natural gas hose (A). Please make sure the hose is securely fastened.

(Fig. 44)



6. To complete conversion, re-install all knobs.

CONVERSION INSTRUCTIONS

Conversion Instructions for Item #0221885

1. Take the burners out and adjust the air shutter

a. Main Burner Conversion

Pull off the R-pins and take the main burners out. Adjust main burners' air shutters by loosening the air shutter screws.

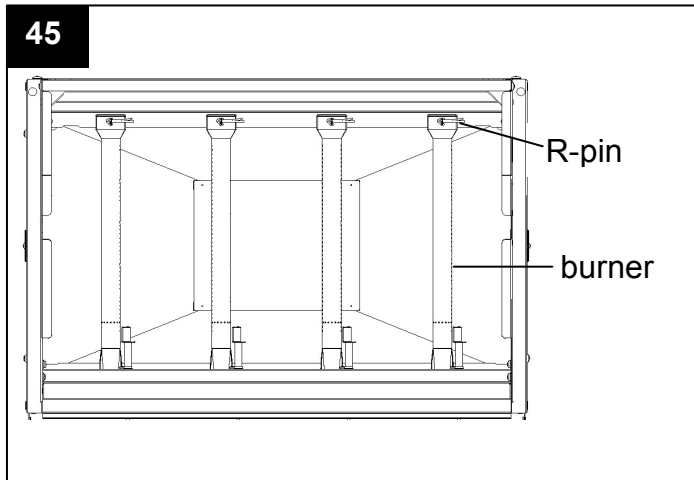
The settings are:

1/4 in. open for LP gas.

1/16 in. - 1/8 in. open for NG gas.

You need to adjust the openings before you put the burners back in the burner box.

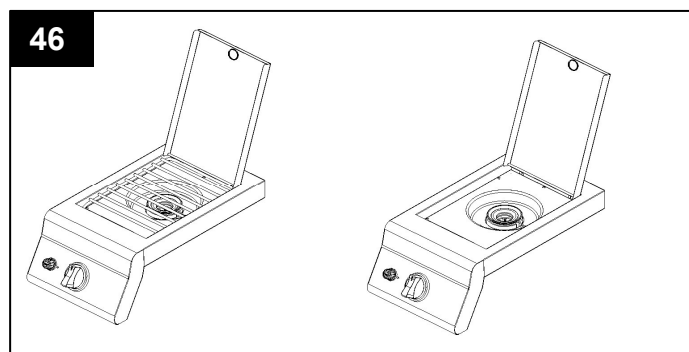
(Fig. 45)



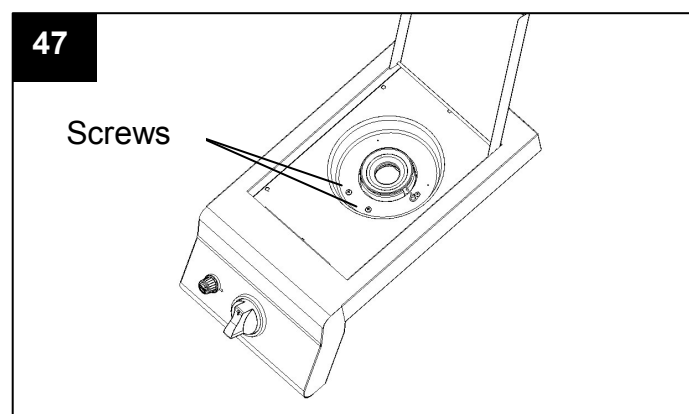
2. Side burner conversion

a. Open the lid and remove the grid.

(Fig. 46)

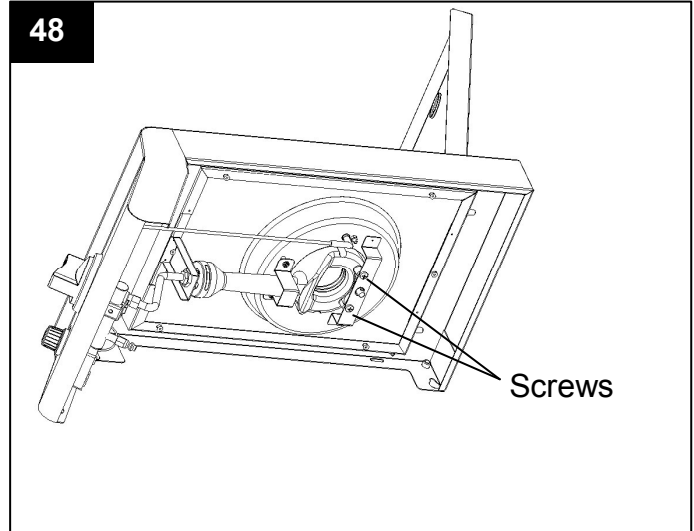


b. Loosen the two screws shown in Fig. 47.

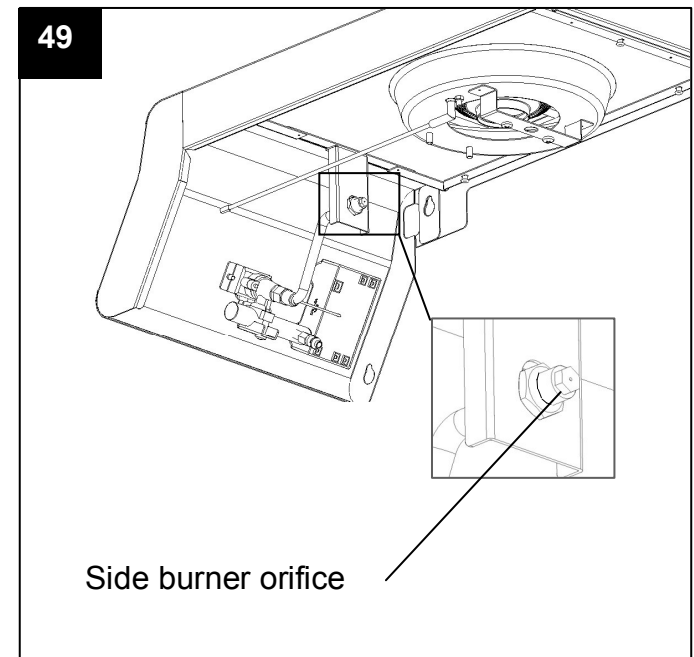


CONVERSION INSTRUCTIONS

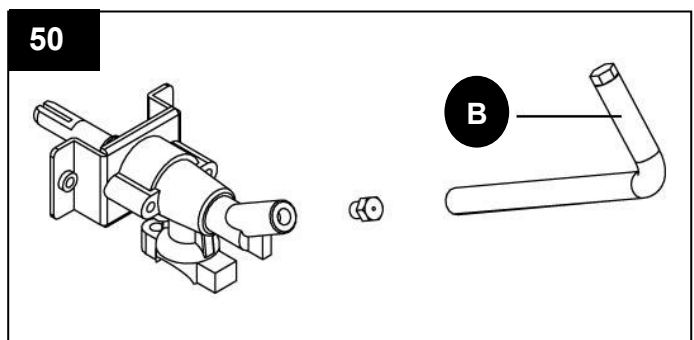
c. Loosen the two screws shown in Fig. 48.
Remove the side burner.



d. Use orifice removal tool (B) to remove the side burner orifice (1.06) from the hose (Fig. 49) and install NG orifice (1.44).



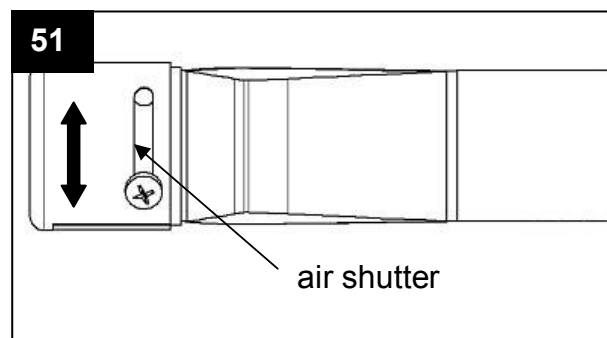
3. Change to NG orifices (main burner)
Remove the LP orifices first with the orifice removal tool (B), then install the NG orifice (1.37). (Fig. 50)



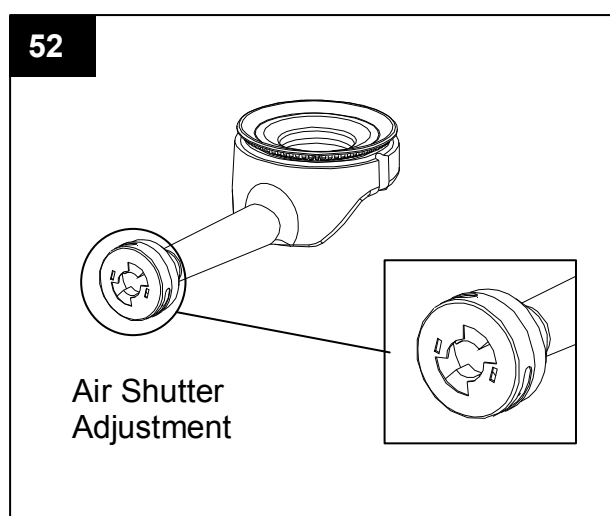
CONVERSION INSTRUCTIONS

4. Adjust the main burner air shutter to have a $\frac{1}{16}$ in. - $\frac{1}{8}$ in. opening. Install the main burner back to the firebox and secure to the bracket with the R-pins.

Make sure the orifices are aligned with the burners and the ignition pins are installed in their original positions. Check the sparks before operating the grill. (Fig. 51)

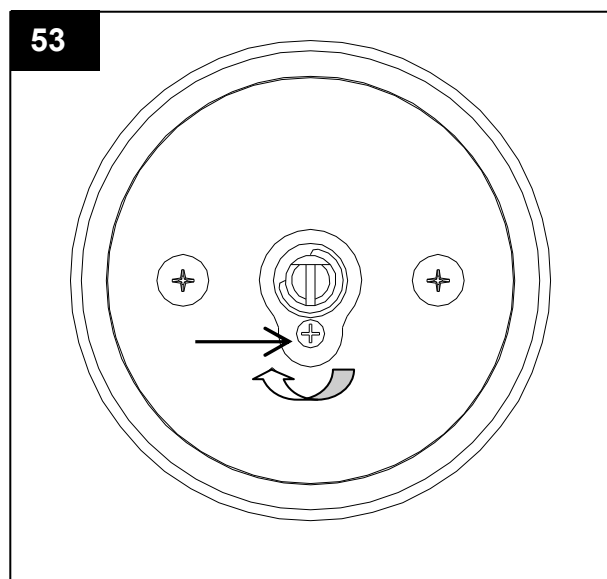


5. Adjust the side burner air shutter so that it is halfway open and re-install the side burner. (Fig. 52)



6. Take the knobs off valve stems and adjust the screws as shown in Fig. 53 using the flathead screwdriver. Turn the screw clockwise until it stops.

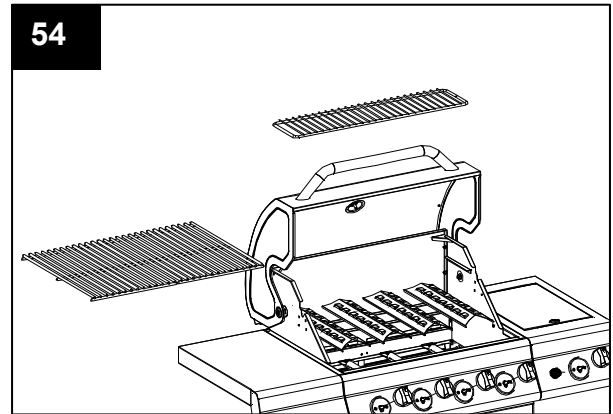
Make sure to completely tighten the screws. Failure to tighten the screws will result in the low heat setting working improperly.



CONVERSION INSTRUCTIONS

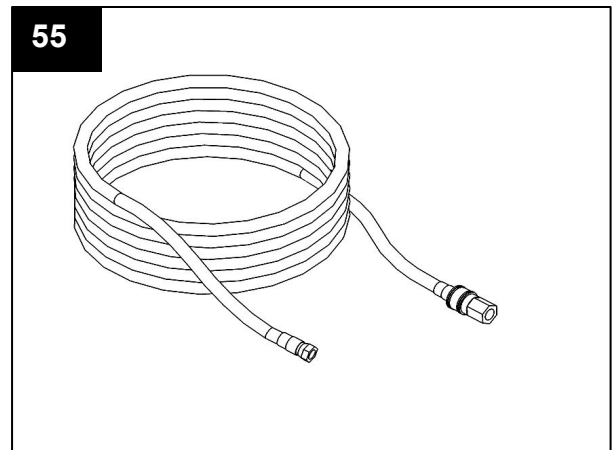
7. Reassemble remaining parts

After making all of the conversions, put flame tamers back in the burner box, followed by the grids and warming racks. (Fig. 54)



8. Change to 10-ft. NG hose

Take the regulator off the manifold and replace it with 10-ft. natural gas hose (A). Please make sure the hose is securely fastened. (Fig. 55)



9. The conversion is now complete.

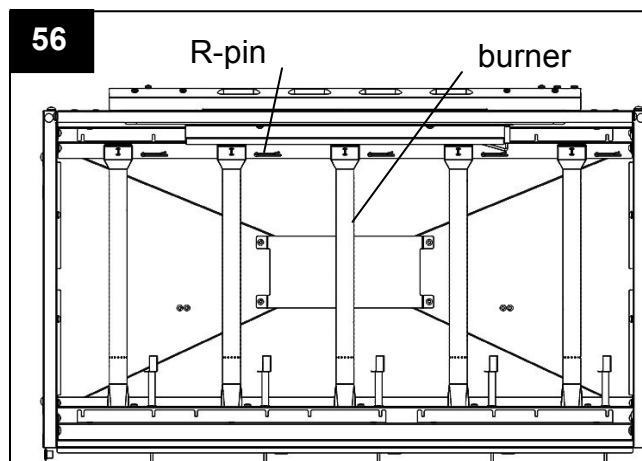
CONVERSION INSTRUCTIONS

Conversion Instructions for Item #0221886/ #0006554

1. Take the burners out and adjust the air shutter.

a. Main Burner Conversion

Pull off the R-pins and take the main burners out. Adjust main burners' air shutters by loosening the air shutter screws. (Fig. 56)



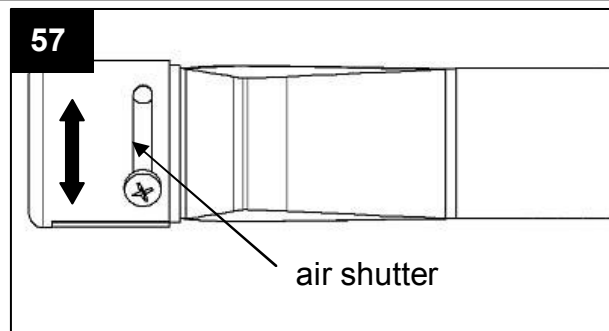
The settings are:

1/4 in. open for LP gas.

1/16 in. - 1/8 in. open for NG gas.

You need to adjust the openings before you put the burners back in the burner box.

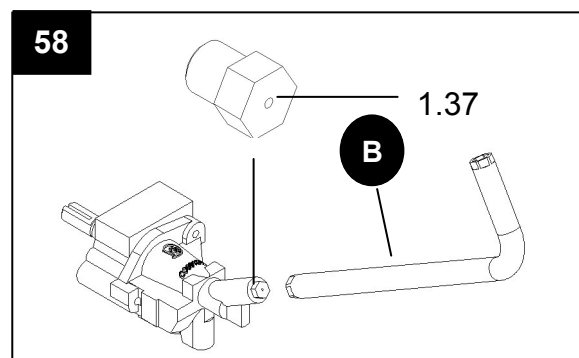
(Fig. 57)



2. Change to NG orifices

a. Remove the LP orifices first with the orifice removal tool (B), then install the NG orifice.

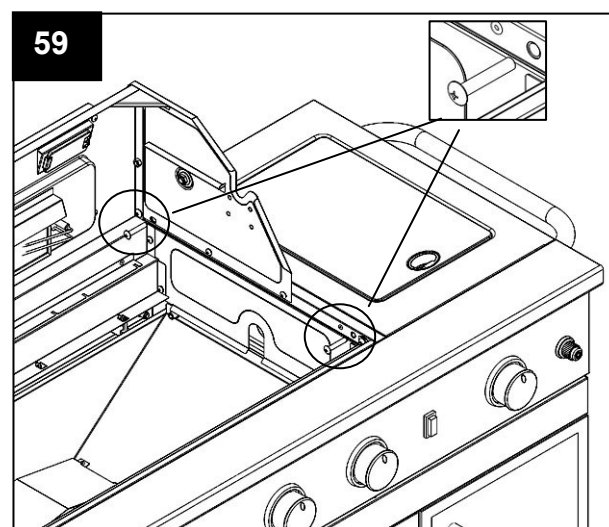
Make sure you are using the correct orifice, marked "1.37". (Fig. 58)



3. Sear Burner Conversion

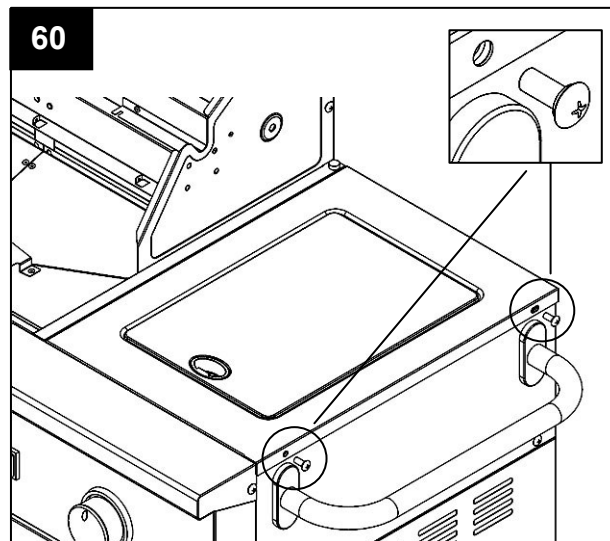
a. Remove the grid and drip tray from the sear burner.

b. Remove the 2 screws (1/4-20 x 1-3/8 in.) from the left side of the sear burner box. The screws are located inside of the main burner box. (Fig. 59)

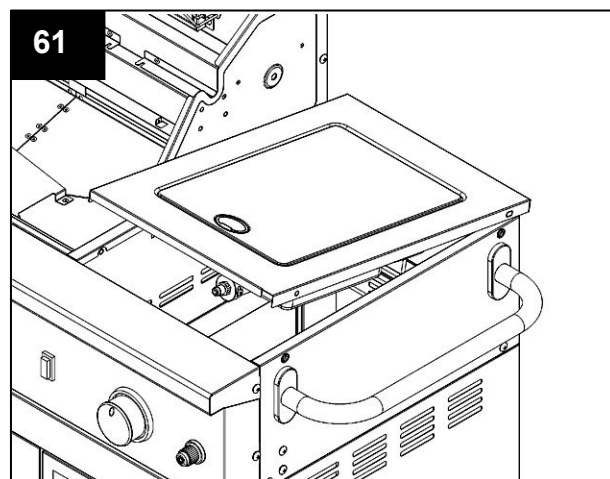


CONVERSION INSTRUCTIONS

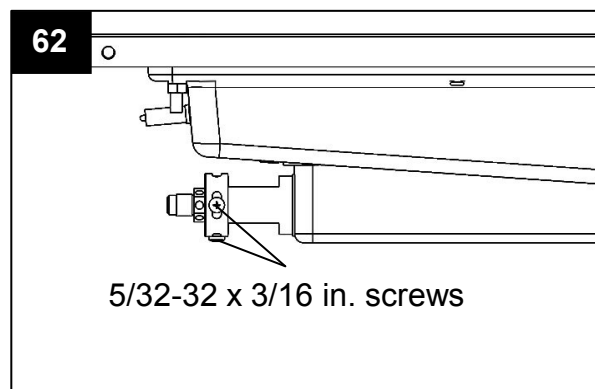
c. Remove the 2 screws (1/4-20 x 5/8 in.) from the right side of the sear burner box. (Fig. 60)



d. Lift and push back the front end of the top panel of the sear burner until you can see the sear burner orifice. (Fig. 61)



e. Remove the 2 screws (5/32-32 x 3/16 in.) on the orifice housing that is located at the inlet of the sear burner. (Fig. 62)



CONVERSION INSTRUCTIONS

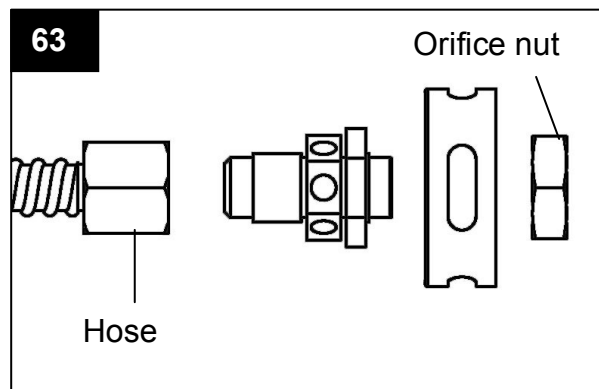
f. Use a wrench to remove the orifice from the side burner hose.

Remove the orifice nut and replace the orifice with the NG orifice. Then, tighten the nut.

(Fig. 63)

During this process, hold the panel component, otherwise, it may drop to cause injury.

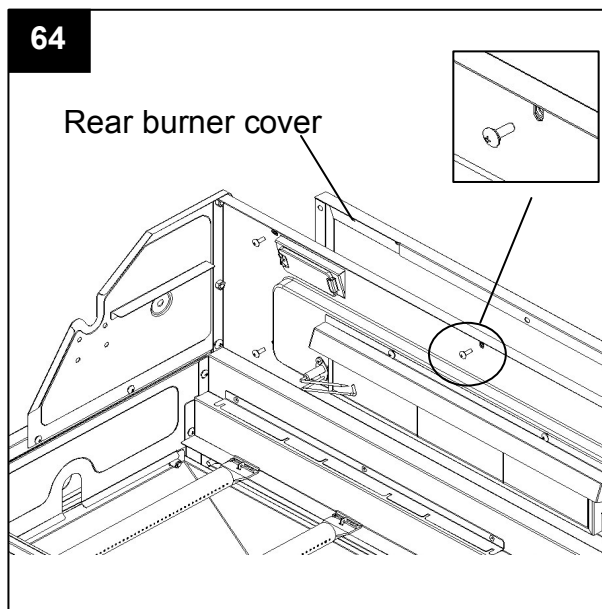
Make sure you are using the correct orifice, marked “1.37”.



4. Rear Burner Conversion

a. Remove the 5 screws (3/16-24 x 1/2 in.) at the back of burner box to detach the rear burner cover from the rear panel of burner box.

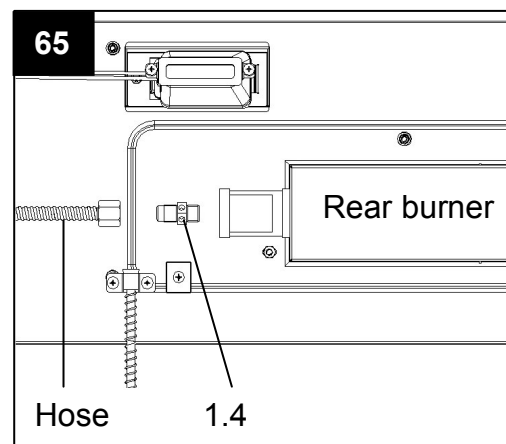
During this process, hold the rear burner cover, otherwise, it will drop and may break, possibly causing injury. (Fig. 64)



b. Use wrench to remove the rear burner orifice from the rear burner and the hose.

Replace it with the NG orifice, and then tighten.

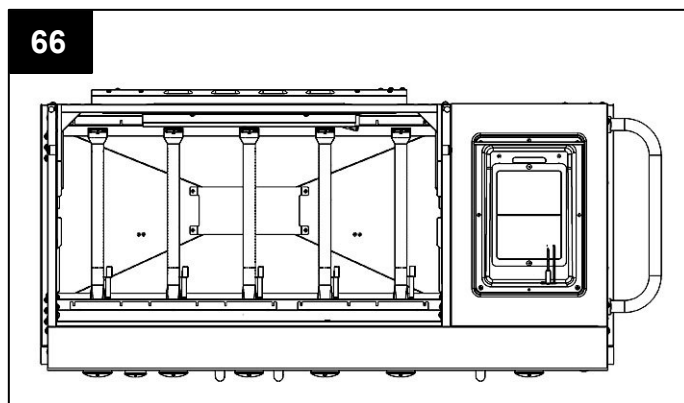
Make sure you are using the correct orifice, marked “1.4”. (Fig. 65)



CONVERSION INSTRUCTIONS

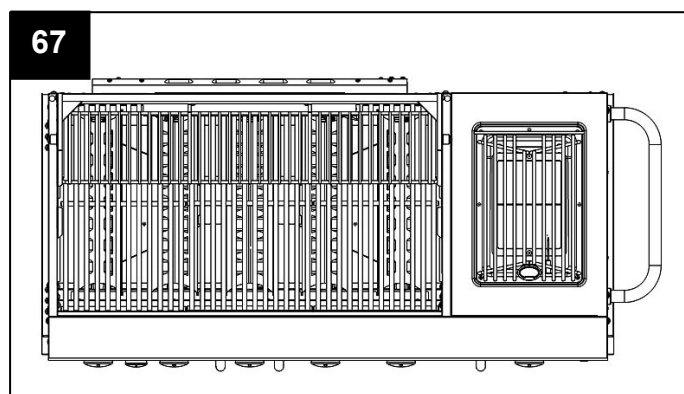
5. Re-install the burners

Make sure the orifices are aligned with the burners and the ignition pins are installed in their original positions. Check the sparks before operating your grill. (Fig. 66)



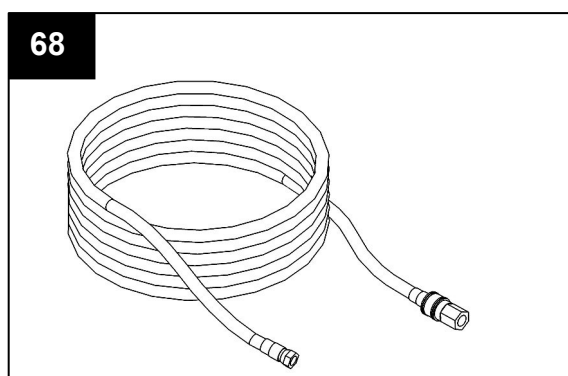
6. Reassemble remaining parts

After making all of the conversions, put heat tents back in the burner box, followed by the grids and warming racks. (Fig. 67)



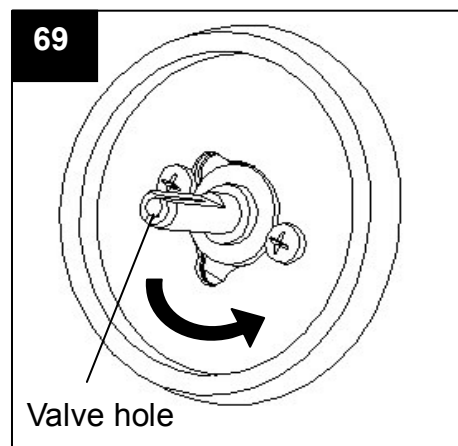
7. Change to 10 ft. NG hose

Take the regulator off from the manifold and replace it with 10-ft. natural gas hose (A). Please make sure the hose is securely fastened. (Fig. 68)



8. Adjust the screw in each valve hole using the slotted screwdriver (C). In #0221886/#0006554 NG model, turn screws two complete turns counterclockwise.

Make sure to completely tighten the screws. Failure to tighten the screws will result in the low heat setting working improperly. (Fig. 69)



9. To complete conversion, re-install all knobs.

CONVERSION INSTRUCTIONS

Conversion Instructions for Item #0404349

1. Main Burner Conversion

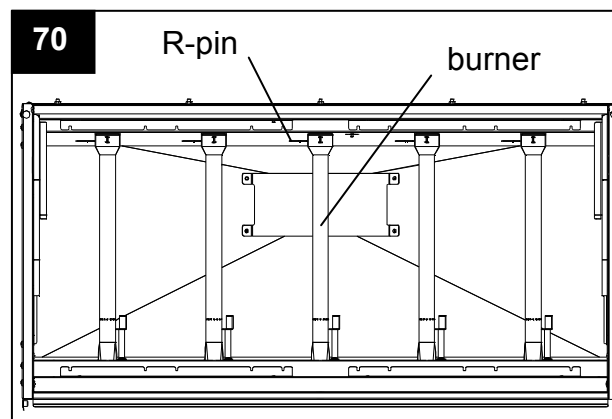
a. Open lid and remove the warming rack, grids and flame steps. Then pull off the R-pins and take the main burners out. Adjust main burners' air shutters by loosening the air shutter screws.

The settings are:

1/4 in. open for LP gas.

1/16 in. - 1/8 in. open for NG gas.

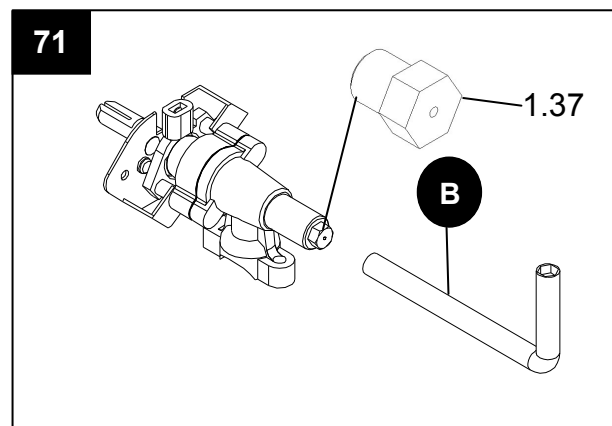
You need to adjust the openings before you put the burners back into the burner box.



b. Change to NG nozzle

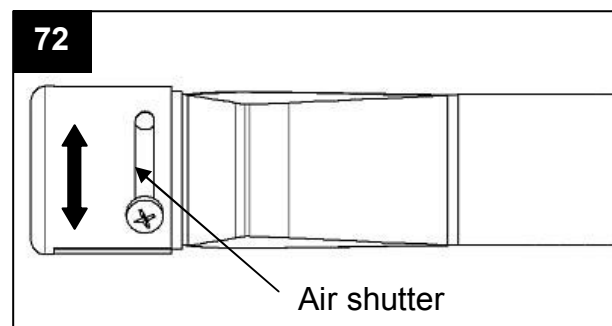
Remove the LP nozzles first with the nozzle removal tool (B). Install the NG nozzle sized 1.37.

Note: These nozzles come with #0050772.



c. Adjust the main burner air shutter to have a 1/16 in. - 1/8 in. opening. Install the main burner back to the fire box and secure to the bracket with the R pins.

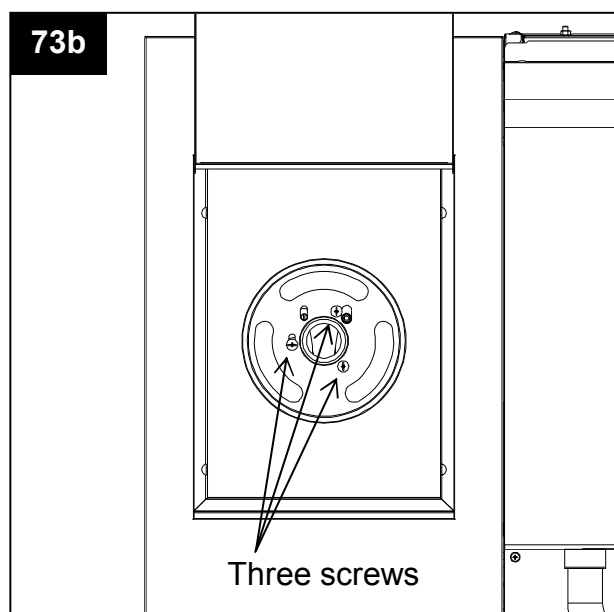
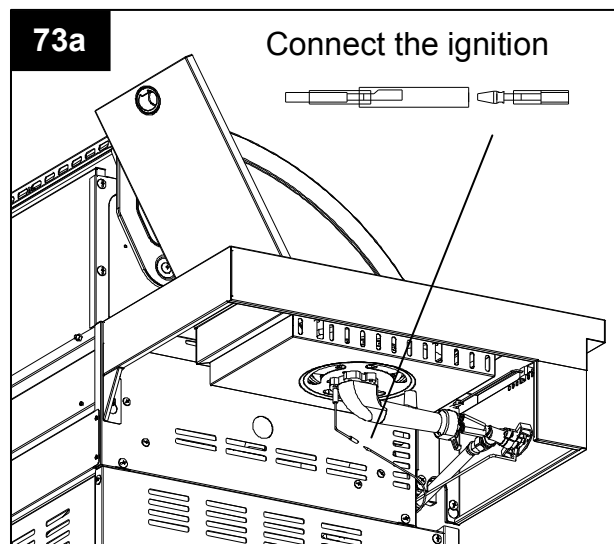
Make sure the nozzles are aligned with the burners and the ignition pins are installed in their original positions. Check the sparks before operating your grill.



CONVERSION INSTRUCTIONS

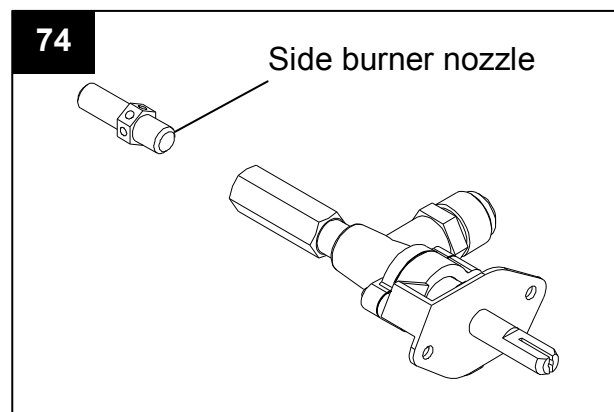
2. Side Burner Conversion

a. Take the side burner grate and burner heads off. Separate the side burner ignition wire at the connect (Fig. 73a) and then disassemble the side burner body by removing the three screws as shown in Fig. 73b.



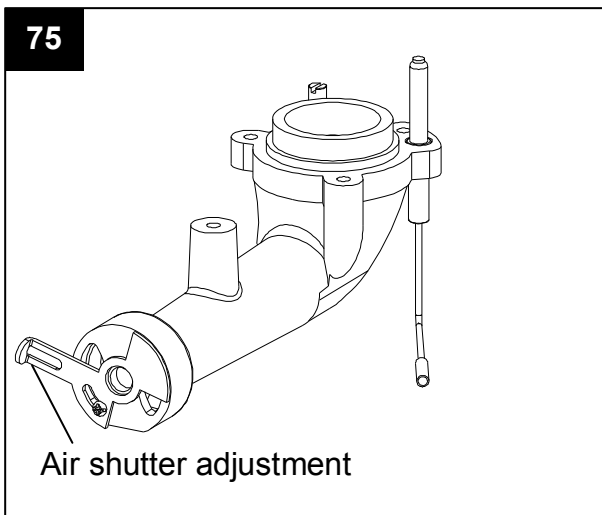
b. Use two wrenches to remove the side burner nozzle from the side burner valve. Then install the NG nozzle to the valve. This nozzle is packed in the #0404349 hardware pack. The size is 1.55.

Note: Failure to use two wrenches to loosen or install the nozzle may damage the valve. The valve stem needs to be protected.



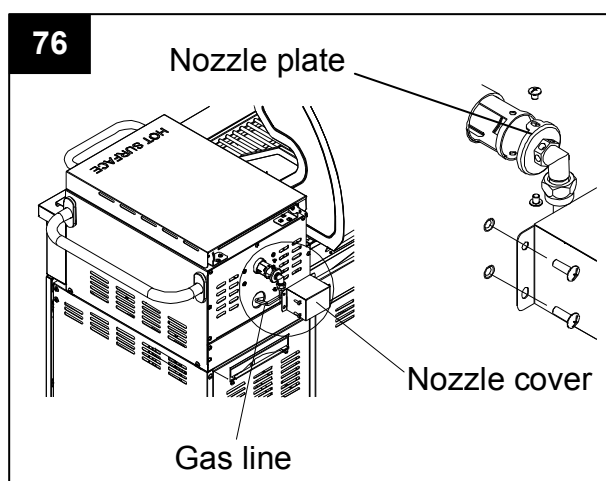
CONVERSION INSTRUCTIONS

c. Adjust the air shutter 1/4 of the way open. Then install the side burner body back with the three loosened screws. Connect the ignition wire and put the burner heads on. Fine tune the air shutter after lighting the side burner to get a better flame.

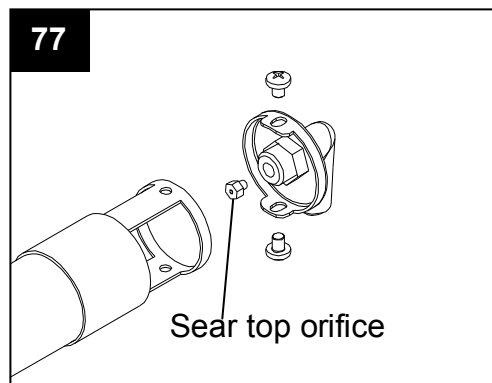


3. Infrared Burner Conversion

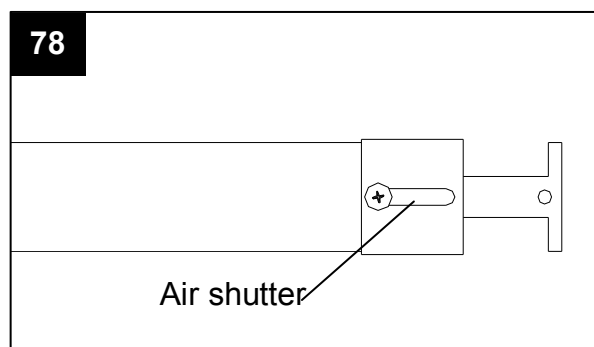
a. Remove the nozzle cover and the nozzle plate. (Fig 76)



b. Remove the LP orifice first with the nozzle removal tool (B), then install the NG orifice. This nozzle is in the #0404349 hardware pack and sized 1.38.



c. Adjust the infrared burner air shutter to have a 3/4 in. opening. Then install the nozzle plate and air shutter cover back.



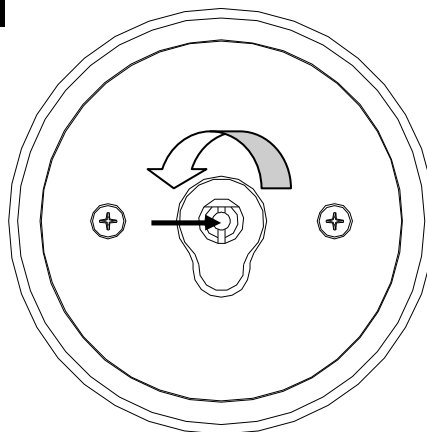
CONVERSION INSTRUCTIONS

4. Valve Setting

Take the knobs off (except the infrared burner knob) and insert the slotted screwdriver into the hole the arrow pointed as shown in Fig. 79. Turn the screwdriver counterclockwise by 6 full turns at least so that the insert inside the valve turns the same turns which convert to natural gas version.

Warning: Failure to turn it to the correct position will result in the low heat setting working improperly.

79



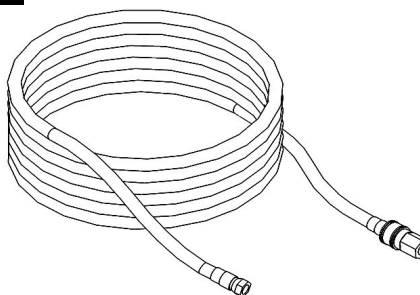
5. Change to 10 ft. NG hose

Take the regulator off from the manifold and replace it with 10 ft. Please make sure the hose is securely fastened.

6. Reassemble remaining parts

After all of the conversions, put flame tamers back in the burner box, followed by the grids, warming racks, side burner and side burner grates.

80



7. Checking for gas leaks. Use a soapy water solution and apply it to the pipe joints and fittings with a brush and check for bubbles.

8. The conversion is now complete.

CARE AND MAINTENANCE

WARNING: Please remember this is an outdoor gas grill. Many areas of the grill generate extreme heat. We have taken every precaution to protect you from the contact areas. However, it is impossible to isolate all high-temperature areas. Therefore, use good judgment and a certain degree of caution when grilling on this product. We suggest a covered, protected hand during operation of grill. Do not move the grill when it is in operation or hot to the touch. Wait until the unit is turned off and properly cooled down before moving it. Failure to follow this warning could result in personal injury.

Do not operate the gas grill indoors or in any enclosed area. If the gas grill is not in use, the gas must be turned off at the supply tank. If the grill is to be stored indoors, disconnect the gas supply hose.

When checking for gas leaks, do not use an open flame. Use a soapy water solution and apply it to the pipe joints and fittings with a brush and check for bubbles. Check flexible hoses for cuts and wear that may affect the safe operation of the grill. Only the factory supplied hose must be used. Use only replacement hose assemblies specified by manufacturer.

Checking Gas Leaks

WARNING: Never use a match or open flame for leak detection. Use of an open flame could result in a fire, explosion and bodily harm.

IMPORTANT: When connecting or replacing any gas pipe or fittings, all joints must be sealed with approved leak-proof sealing compound or plumber's tape.

Never store a spare tank under or near your grill.

IMPORTANT: When connecting or replacing gas pipe or fittings, all joints must be sealed with approved leak-proof sealing compound or plumber's tape. After making connections, check all joints for leaks using a soapy water solution and a brush.

WARNING: Never use an open flame to test for gas leaks. Use of an open flame could result in a fire, explosion and bodily harm.

Before operating the grill, after refueling, check carefully to be certain that all connections are tight and there are no gas leaks.

1. Make 2-3 ounces of leak solution by mixing liquid dishwashing soap with water.
2. Make certain all control knobs are in the "OFF" position.
3. Brush small amounts of the leak solution on all the fittings and turn the gas on.
4. If bubbles appear, there is a leak. Proceed to step 5.
5. Turn the gas off and tighten all connections.
6. Go back to step 1 to retest the fittings.
7. If bubbles continue to appear, turn the gas off. Contact customer service.

TROUBLESHOOTING

Many solutions given here can make your grilling experience safer and more enjoyable.

Problem	Possible Cause	Corrective Action										
Grill or side cooker will not light	<div>1. The ignition system is not properly installed.</div> <div>2. The ignition wire is broken.</div> <div>3. The battery has died.</div> <div>4. The battery is in the wrong polarity.</div> <div>5. The electrode tip does not produce sparks at the burner port.</div> <div>6. No gas supplied.</div> <div>7. Air shutter opening is too big.</div>	<div>1. Reinstall the ignition system and make sure the sparks produced close to the burner ports or close to the infrared burner ceramic surface.</div> <div>2. Call customer service for a replacement ignition wire.</div> <div>3. Install a new AA battery.</div> <div>4. Change the battery polarity.</div> <div>5. Reinstall the electrode.</div> <div>6. Turn on the regulator valve.</div> <div>7. Loosen the air shutter and adjust the opening to a smaller size.</div>										
Burner flame is yellow and gas odor can be smelled	<div>1. The air shutter opening is not properly set.</div> <div>2. Spiders or insects block the air shutter.</div> <div>3. There is a gas leak.</div>	<div>1. Loosen the air shutter and adjust the opening to have blue flames. 1/8 in. or less opening for NG.</div> <div>2. Clean blockages.</div> <div>3. Check for the source of gas leaks.</div>										
Low heat with the knob in “HIGH” position	<div>1. Natural gas pressure is low.</div> <div>2. Installed with the wrong nozzles.</div> <div>3. Burner ports are blocked.</div>	<div>1. This model is set for 7 in. natural gas usage. Please check your natural gas supply system to have correct gas pressure. Regulator is not needed for NG configuration.</div> <div>2. Check to see if you installed the correct orifices. See page 3 for orifices sizes.</div> <div>3. Clear burner ports of any obstructions.</div>										
Low heat, natural gas	Gas pressure is significantly affected by gas line and length of gas line from house gas line.	<div>Check your gas line and make corrections by following the chart below.</div> <table><tr><th colspan="2">From House to Grill</th></tr><tr><th>Distance</th><th>Tubing Size</th></tr><tr><td>Up to 25 ft.</td><td>3/8 in. diameter</td></tr><tr><td>26 ft.-50 ft.</td><td>1/2 in. diameter</td></tr><tr><td>51 ft.-100 ft.</td><td>2/3 in. of run 3/4 in. 1/3 in. of run 1/2 in.</td></tr></table>	From House to Grill		Distance	Tubing Size	Up to 25 ft.	3/8 in. diameter	26 ft.-50 ft.	1/2 in. diameter	51 ft.-100 ft.	2/3 in. of run 3/4 in. 1/3 in. of run 1/2 in.
From House to Grill												
Distance	Tubing Size											
Up to 25 ft.	3/8 in. diameter											
26 ft.-50 ft.	1/2 in. diameter											
51 ft.-100 ft.	2/3 in. of run 3/4 in. 1/3 in. of run 1/2 in.											

WARRANTY

Proof of purchase is required to access this warranty program, which is in effect from the date of purchase. Customers will be subject to parts, shipping, and handling fees if unable to provide proof of the purchase or after the warranty has expired.

If you have any questions or problems, you can call our customer service department at **1-800-963-0211**, 8:00 a.m. to 6:00 p.m., EST, Monday-Thursday, 8:00 a.m. to 5:00 p.m., EST, Friday.

Limited Warranty

1-Year Warranty on all parts affecting the operation of the gas grill due to damage.

Warranty Provisions:

This warranty is non-transferable and does not cover failures due to misuse or improper installation or maintenance.

This warranty is for replacement of defective parts only. We are not responsible for incidental or consequential damages or labor costs.

This warranty does not cover corrosion or discoloration after the grill is used, or lack of maintenance, hostile environment, accidents, alterations, abuse or neglect.

This warranty does not cover damage caused by heat, abrasive and chemical cleaners, or any damage to other components used in the installation or operation of the gas grill.

Some states do not allow the limitation or exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

Printed in China