



5270 Edison Avenue., Chino, CA 91710
(Tel) 800-790-1299 (Fax) 909-718-1949

Model no: 710-0002

NOTICE

Dear Customers:

Thank you for choosing our barbeque grill and hope that you enjoy our product.

Our gas valves and components are preset at the factory to operate on Liquid Propane (LP). If you wish to convert your grill from LP to Natural Gas (NG), we strongly recommend that you hire a professionally trained technician to convert the unit. Please understand that we will not be responsible for any liability, personal injury, or property damage resulting from an improperly converted grill.

We will provide warranty parts for this product after it is converted, however, we will not honor any warranty claims for parts damaged during the conversion of the original LP valves and orifices to NG configuration if the conversion is done improperly.

Safety Instruction

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING." These words mean:

⚠ DANGER

You can be killed or seriously injured if you don't immediately follow instructions.

⚠ WARNING

You can be killed or seriously injured if you don't follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire injury to persons, or damage when using NG Conversion Kit & and outdoor cooking gas appliance, follow basic precautions, including the following:

- Gas conversions must be done by a qualified installer.
- The connector is intended only for use outdoors with portable appliance that may be moved for convenience of operation.
- Connectors are designed for movement after installation, but must not be kinked, twisted or torque. Periodic visual inspection should be made to determine that the connector is suitable for continued use.
- Connect with damaging foreign objects or substances must be avoided.
- Connected hose assembly shall be of adequate length and capacity for intended application. Final assembly must be tested for leaks.

Caution: Test for leaks only with leak test solution. Rinse with clear water after leak test to remove any corrosive residue.

DO NOT USE OPEN FLAME TO TEST FOR GAS LEAKS.

SAVE THESE INSTRUCTIONS

Tools and Parts for Gas Conversion

Gather the required tools and parts before starting installation. Read and follow the instructions provided with any tools listed here.

Tools needed

- Phillips screwdriver
- Thin flat-blade screwdriver
- Pipe wrench
- Pliers
- Adjustable wrench
- Pipe thread sealant
- 6mm socket and wrench or 6mm nut driver
- certified for LP gas

Parts supplied

- Natural gas orifices

Parts needed

- Natural gas conversion kit

The conversion kit includes:

- Natural gas regulator 4" W.C. (marked "Natural Gas Regulator")
- 10 ft (3.0 m) Natural gas hose with quick connector
- 5.9" (150 mm) Natural gas regulator hose

IMPORTANT:

Gas conversions must be done by a qualified installer. Before proceeding with conversion, shut off the gas supply to the appliance prior to disconnecting the electrical power.

If there are damaged or missing parts when you unpack this kit, call 1-800-790-1299. DO NOT have your QUALIFIED GAS TECHNICIAN attempt to install this kit until you receive replacement for any damaged or missing parts.

⚠ WARNING



Explosion Hazard

Use a new CSA International approved "outdoor" gas supply line.

Securely tighten all gas connections.

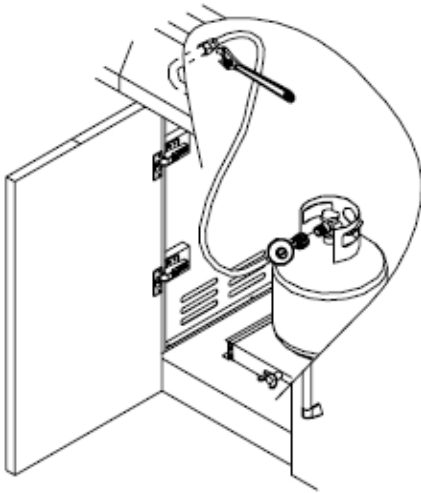
Failure to do so can result in death, explosion, or fire.

Conversion from Liquid Propane (LP) to Natural Gas (NG)

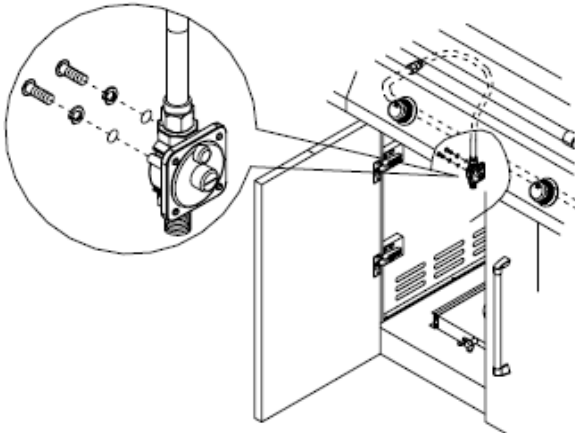
Note: You may also refer to your grill manual for conversion instructions, if this instruction is not exactly consistent for your grill.

Installation of the regulator

1. Turn off the main gas supply valve.
2. Unplug grill or disconnect power.
3. Disconnect 20 lb LP gas fuel tank (if present).
4. Turn off all burner control valves.
5. Remove the 20 lb LP gas fuel tank (if present) from the grill cart.
6. Use an adjustable wrench to remove the LP regulator from the manifold.

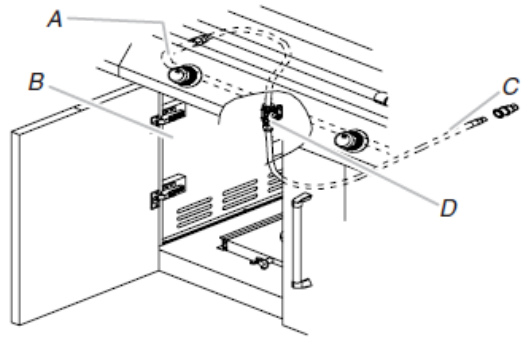


7. Use an adjustable wrench to install the Natural gas regulator hose to the manifold and secure. Attach the Natural gas regulator to the side panel inside the grill cart with the two screws that are preassembled on the regulator.



Make Gas Connection

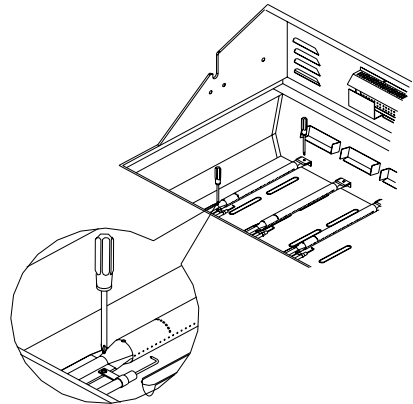
1. A combination of pipe fittings must be used to connect the grill to the existing gas line.
 - The 10 ft (3.0 m) PVC flexible gas supply hose design certified by CSA must be used.
 - Pipe-joint compounds suitable for use with Natural gas must be used. Do not use Teflon tape.
 - There must be a certified manual shutoff valve in the gas supply line near the grill for easy access.
2. Connect the brass connector on one end of the 10 ft (3.0 m) PVC flexible gas supply hose (supplied) to the Natural gas pressure regulator.
3. Connect the quick connector on the other end of the 10" (3.0 m) PVC flexible gas supply hose to the rigid Natural gas supply pipe.



- A. Manifold
- B. Side panel
- C. 10ft. (3.0m) PVC gas hose
- D. Natural gas pressure regulator/hose assembly

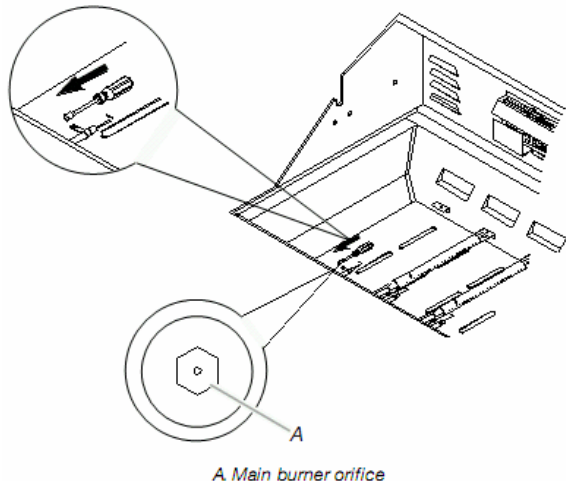
Change Grill Main Burner Valve Orifices

1. Remove the grates and flame tamers.
2. Remove the 2 screws and/or pin that hold the burner in place. Set the screws and/or pin aside. Remove the burner from the grill by lifting the burner out.



Conversion from Liquid Propane (LP) to Natural Gas (NG)

3. Use a 6 mm socket and wrench or 6 mm nut driver to remove the brass orifice from the end of gas valve. The main burner NG orifice is located behind the LP orifice, so no additional orifice needs to be installed.

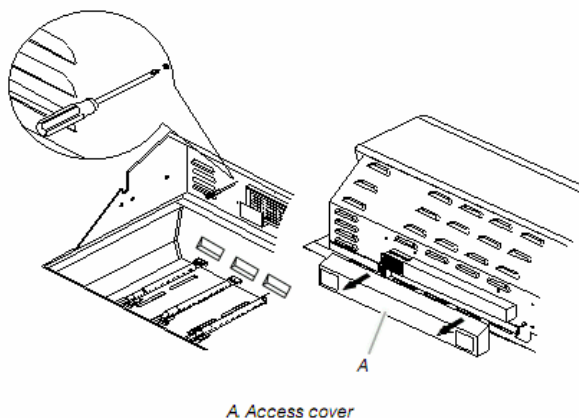


IMPORTANT: Check that the NG orifice is properly installed inside of the burner opening.

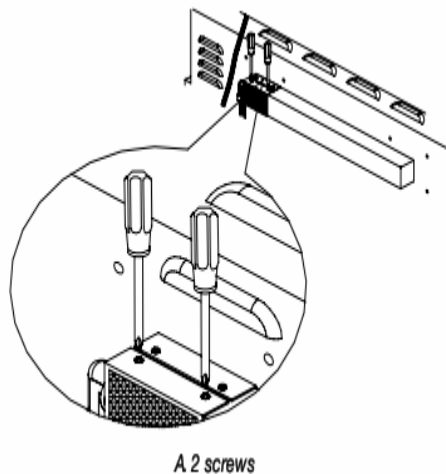
4. Reinsert the burner and reattach using the 2 screws or pin previously removed. Repeat the procedure for each main burner.
5. Position the igniters so they are 1/4" (6.0 mm) away from each burner.

NOTE: Only Main Burners have the NG orifice pre-installed behind the LP orifice. All other burners require LP orifice to be removed and NG orifice to be installed.

2. Remove the access cover at the back of the grill by removing screws inside the grill at the back of firebox.

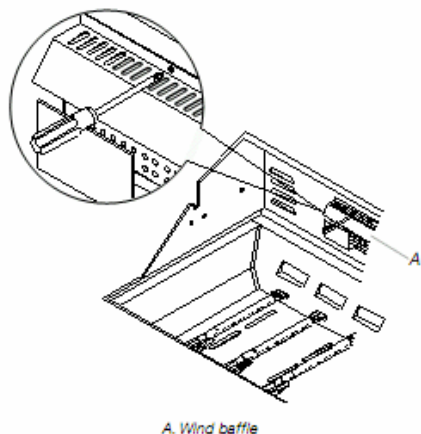


3. Using a Phillips screwdriver, remove the 2 screws holding the spider guard to the burner.

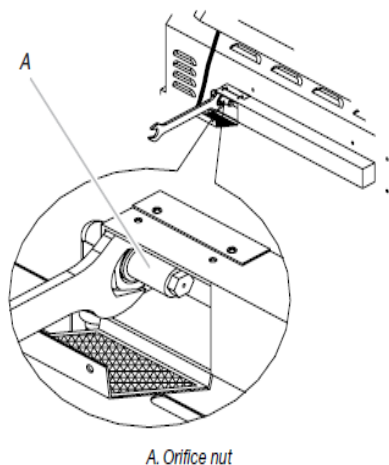


Change the Rotisserie/Infrared Burner Orifice

1. Using a Phillips screwdriver, unscrew the screws and remove the rotisserie/infrared burner wind baffle.

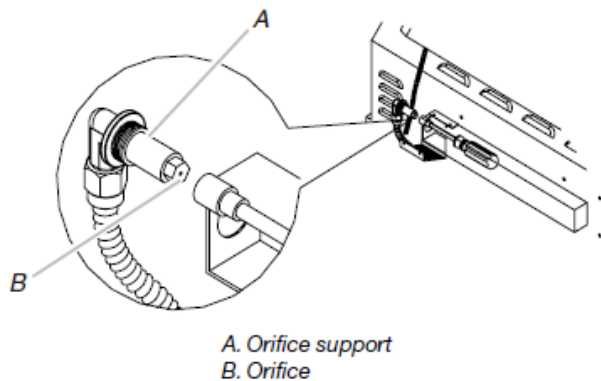


4. Use a 24 mm wrench to remove the orifice nut.



Conversion from Liquid Propane (LP) to Natural Gas (NG)

5. Take out the orifice support, and then use a 6 mm socket and wrench or 6 mm nut driver to remove the LP orifice at the end of the supply pipe. Replace with Natural gas orifice.

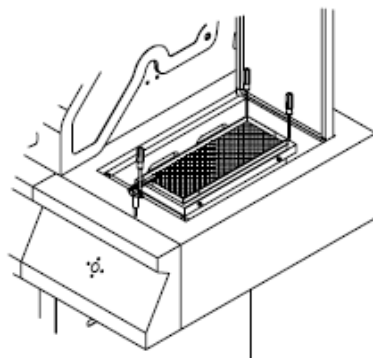


IMPORTANT: Check that the orifice is properly installed inside of supply pipe.

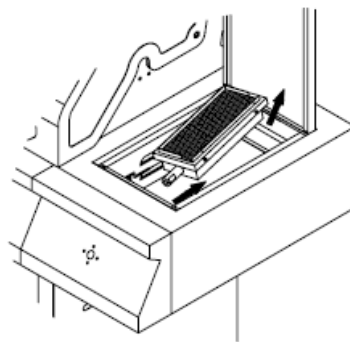
6. Reinstall the spider guard, access cover, and wind baffle.

Change the Side Sear burner orifices (if your grill is equipped with a side sear burner)

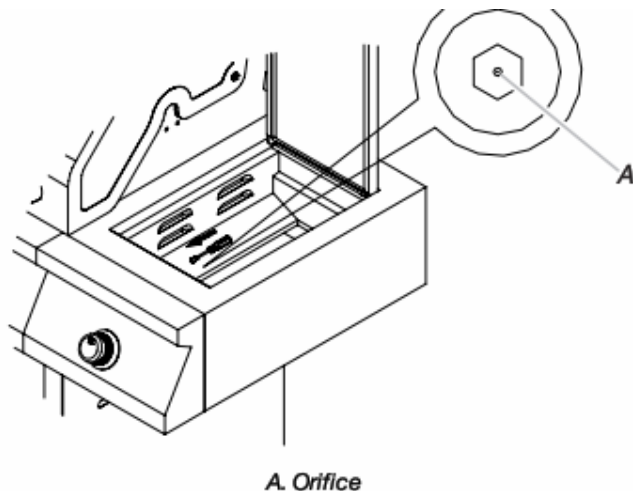
1. Remove the screw securing the igniter and the 2 searing side burner



2. Lift the searing side burner out of the grill.



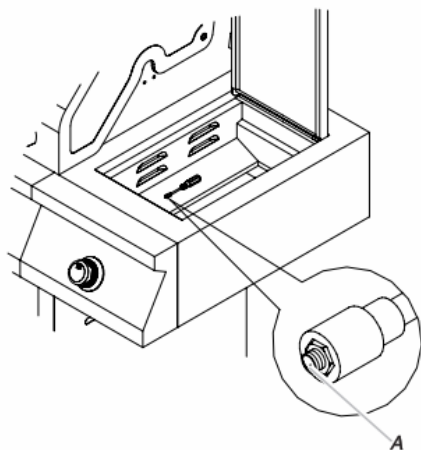
3. Locate the Natural gas orifice to the end of the valve.



4. Use 6 mm socket wrench or 6 mm nut driver to remove the orifice. Replace with the Natural gas orifice.

IMPORTANT: Check that the orifice is properly installed inside of valve.

Conversion from Liquid Propane (LP) to Natural Gas (NG)

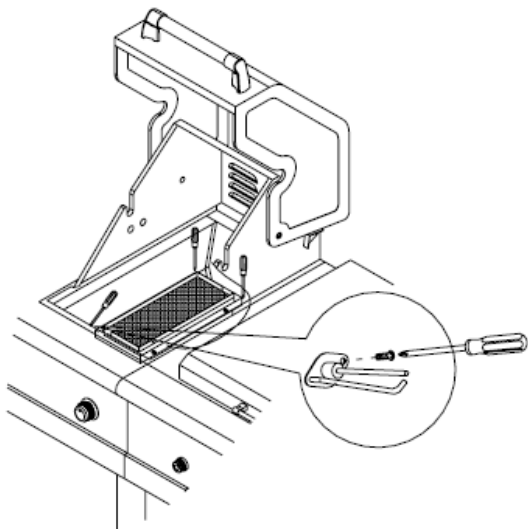


A. Orifice

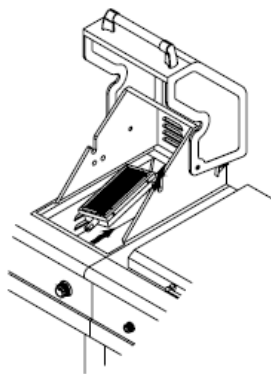
5. Reinstall the searing side burner. Make sure that the igniter is out of the way to allow proper positioning of burner. Use Phillips screwdriver to attach the mounting screws.
6. Use Phillips screwdriver to reattach the igniter and searing side burner plate.
7. Reinstall searing side burner cover. Use Phillips screwdriver to attach mounting screws.

Change the Main Sear Burner Orifices (If your grill is equipped with a main sear burner)

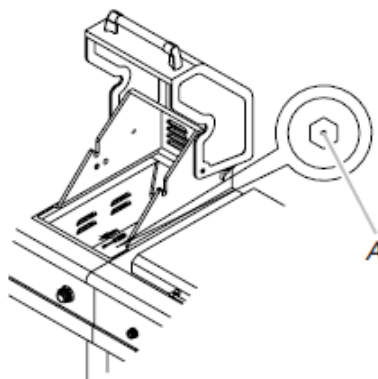
1. Remove the screw securing the igniter and the 2 sear burner screws.



2. Lift out the sear burner.

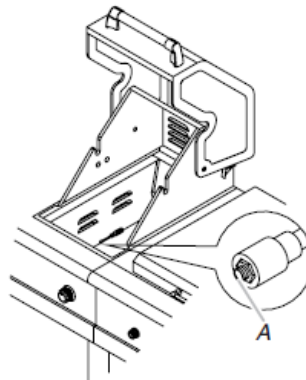


3. Locate the Natural gas orifice at the end of the valve.



A. Orifice

4. Use 6 mm socket wrench or 6 mm nut driver to remove the orifice. Replace with the Natural gas orifice.



A. Orifice

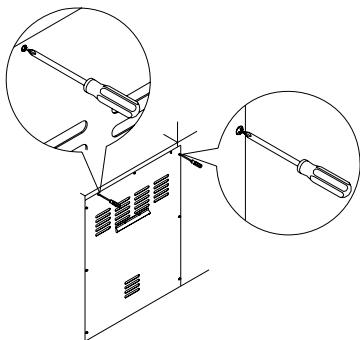
IMPORTANT: Check that the orifice is properly installed inside of the burner opening.

5. Reinstall the sear burner. Make sure that the igniter is out of the way to allow proper positioning of burner. Use Phillips screwdriver to attach the mounting screws.
6. Use Phillips screwdriver to reattach the igniter and sear burner plate.
7. Reinstall sear burner cover. Use Phillips screwdriver to attach mounting screws.

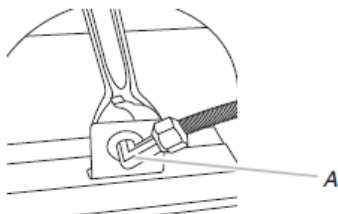
Conversion from Liquid Propane (LP) to Natural Gas (NG)

Change the Oven Burner Orifice (if your grill is equipped with a oven burner)

1. Use a Phillips screwdriver to remove the access panel from the rear of the oven.

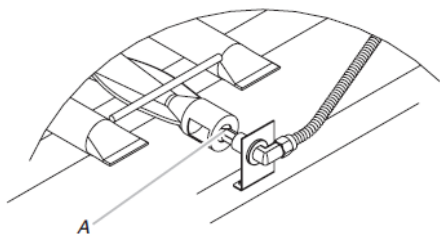


2. Grasp brass elbow with vice grip or pliers and remove from end of gas supply valve.



A. Brass elbow

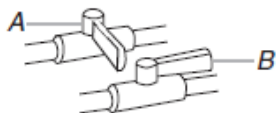
3. Use 10mm socket wrench 10mm nut driver to remove the LP orifice at the end of the supply pipe. Replace with the Natural gas orifice.



A. Orifice

IMPORTANT: Check that the orifice is properly installed inside of the burner opening.

4. Reinstall the access panel
5. Open the manual shutoff valve in the gas supply line. The valve is open when the handle is parallel to the gas pipe.



A. Closed valve

B. Open valve

6. Test all connections using an approved noncorrosive leak-detection solution. Bubbles will show a leak. Correct any leak found.

Record Conversion

1. The appliance nameplate is located inside the grill cabinet on the left-hand cabinet side. With a permanent marker, check the box next to "Natural gas" and mark through "LP - Propane."

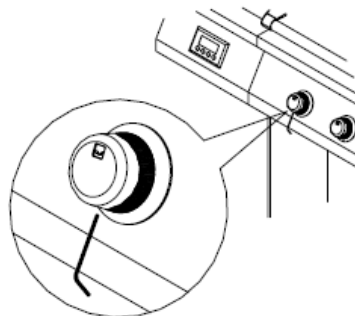
In the last page of the Use and Care Guide, write "Converted to Natural Gas." Also record the conversion date and the technician/company that performed the conversion.

NOTE: Place LP gas parts in plastic parts bag for future use and keep with pack containing literature.

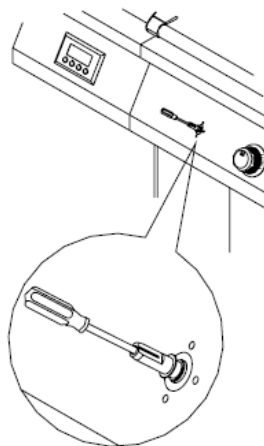
Adjust High Flame Setting Screw

When converting from LP to Natural gas, you will need to adjust the high flame setting screw for ideal burner flame height.

1. Remove each control knob for the main burners and side burner by loosening the socket head screw with the Allen key.



2. Use a flat-blade screwdriver to turn the high flame setscrew counterclockwise approximate 90 degree.



3. Check that burner operates at the new high flame setting. It may be necessary to adjust the screw setting slightly more to get the ideal burner flame height.

Check and Adjust Burner

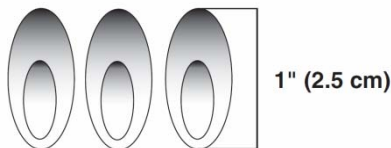
The burners are tested and factory-set for most efficient operation. However, variations in gas supply and other conditions may make minor adjustments to air shutter or low flame setting necessary. It is recommended that a qualified technician make burner adjustments.

NOTE: The rotisserie burner cannot be adjusted.

Checking and adjusting the grill burner flames requires removing the grates and flame tamers.

Burner Flame Characteristics

The flames of the grill burners and side burners (on some models) should be blue and stable with no excessive noise or lifting (LP gas flames will have a slightly yellow tip). A yellow flame indicates not enough air. If flame is noisy or lifts away from the burner, there is too much air. Some yellow tips on flames when the burner is set to HIGH setting are acceptable as long as no carbon or soot deposits appear. The flames should be approximately 1" (2.5 cm) high.

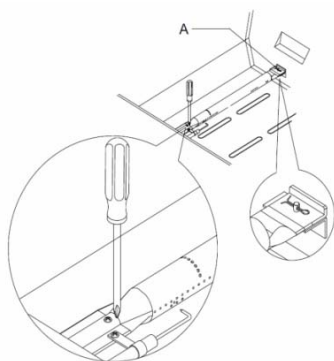


Check that burners are not blocked by dirt, debris, insect nests, etc., and clean burners as necessary. If they are clean, adjust air shutters as needed.

IMPORTANT: Before adjusting air shutters, let burners cool completely.

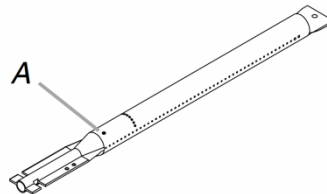
To Adjust:

1. Light grill using information in the "Outdoor Grill Use" section.
2. Observe flame to determine which burners need adjustment and how the flame is acting.
3. Turn off the valve and wait until grill and burners cool completely.
4. Remove grill grates and flame tamers.
5. Remove the screw and cotter clip that hold the burner in place. Remove gas burner from the grill.



A. Clip

6. If flame is yellow (not enough air), turn air shutter adjustment screw counter clockwise. If flame is noisy or lifts away from burner (too much air), turn air shutter adjustment screw clockwise.



A. Air shutter adjustment screw

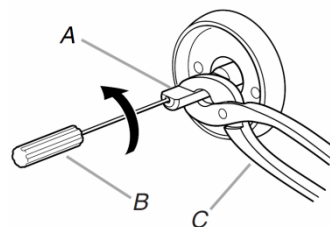
Adjustment should be made clockwise or counterclockwise from 1/8" (3.2 mm) to 1/4" (6.4 mm).

7. Replace gas burner, flame tamers and grates.
8. Light grill using information in the "Outdoor Grill Use" section. See "Burner Flame Characteristics."

Low Flame Adjustment

If flame goes out on the "LOW" setting, the low flame setting must be adjusted.

1. Turn off the valve and wait until grill and burners are cool.
2. Remove grill grates and flame tamers.
3. Light grill using information in the "Outdoor Grill Use" section.
4. Turn burner to its lowest setting.
5. Pull out each control knob for the main burner and side burner.
6. Hold valve stem with pliers and insert a small flat-blade screwdriver into the shaft.
7. Watch the flame and slowly turn the screwdriver counterclockwise.
8. Adjust flame to minimum stable flame.



A. Valve stem
B. Small flat-blade screwdriver
C. Pliers

9. Replace the control knob and turn off the burner.
10. Repeat steps 3 through 9 for each burner if needed.
11. Replace the flame tamers and grates after the burners have cooled.

Limited Warranty

Nexgrill warrants to the original consumer-purchaser only that this product (*Model #710-0002*) shall be free from defects in workmanship and materials after correct assembly and under normal and reasonable home use for the periods indicated below beginning on the date of purchase. The manufacturer reserves the right to require photographic evidence of damage, or that defective parts be returned, postage and or freight pre-paid by the consumer, for review and examination.

ALL PARTS: 1 Year LIMITED warranty

Upon consumer supplying proof of purchase as provided herein, Manufacturer will repair or replace the parts which are proven defective during the applicable warranty period. Parts required to complete such repair or replacement shall be free of charge to you except for shipping costs, as long as the purchaser is within the warranty period from the original date of purchase. The original consumer-purchaser will be responsible for all shipping charges of parts replaced under the terms of this limited warranty. This limited warranty is applicable in the United States only, is only available to the original owner of the product and is *not transferable*. Manufacturer requires reasonable proof of your date of purchase. Therefore, you should retain your sales receipt and/or invoice. If the unit was received as a gift, please ask the gift-giver to send in the receipt on your behalf, to the below address. Defective or missing parts subject to this limited warranty will not be replaced without registration or proof of purchase. This limited warranty applies to the functionality of the product **ONLY** and does not cover cosmetic issues such as scratches, dents, corrosions or discoloring by heat, abrasive and chemical cleaners or any tools used in the assembly or installation of the appliance, surface rust, or the discoloration of stainless steel surfaces. Surface rust, corrosion, or powder paint chipping on metal parts that does not affect the structural integrity of the product is not considered a defect in workmanship or material and is not covered by this warranty. This limited warranty will not reimburse you for the cost of any inconvenience, food, personal injury or property damage. If an original replacement part is not available, a comparable replacement part will be sent. You will be responsible for all shipping charges of parts replaced under the terms of this limited warranty.

ITEMS MANUFACTURER WILL NOT PAY FOR:

- Service calls to your home.
- Repairs when your product is used for other than normal, single-family household or residential use.
- Damage resulting from accident, alteration, misuse, lack of maintenance/cleaning, abuse, fire, flood, acts of God, improper installation, and installation not in accordance with electrical or plumbing codes or use of products not approved by the manufacturer.
- Any food loss due to product failures.
- Replacement parts or repair labor costs for units operated outside the United States or Canada.
- Pickup and delivery of your product.
- Postage fees or photo processing fees for photos sent in as documentation.
- Repairs to parts or systems resulting from unauthorized modifications made to the product.
- The removal and/or reinstallation of your product.
- Shipping cost, standard or expedited, for warranty/non warranty and replacement parts.

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

Repair or replacement of defective parts is your exclusive remedy under the terms of this limited warranty. Manufacturer will not be responsible for any consequential or incidental damages arising from the breach of either this limited warranty or any applicable implied warranty, or for failure or damage resulting from acts of God, improper care and maintenance, grease fire, accident, alteration, replacement of parts by anyone other than Manufacturer, misuse, transportation, commercial use, abuse, hostile environments (inclement weather, acts of nature, animal tampering), improper installation or installation not in accordance with local codes or printed manufacturer instructions.

THIS LIMITED WARRANTY IS THE SOLE EXPRESS WARRANTY GIVEN BY THE MANUFACTURER. NO PRODUCT PERFORMANCE SPECIFICATION OR DESCRIPTION WHEREVER APPEARING IS WARRANTED BY MANUFACTURER EXCEPT TO THE EXTENT SET FORTH IN THIS LIMITED WARRANTY. ANY IMPLIED WARRANTY PROTECTION ARISING UNDER THE LAWS OF ANY STATE, INCLUDING IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, IS HEREBY LIMITED IN DURATION TO THE DURATION OF THIS LIMITED WARRANTY.

Neither dealers nor the retail establishment selling this product has any authority to make any additional warranties or to promise remedies in addition to or inconsistent with those stated above. Manufacturer's maximum liability, in any event, shall not exceed the documented purchase price of the product paid by the original consumer. This warranty only applies to units purchased from an authorized retailer and or re-seller. NOTE: Some states do not allow an exclusion or limitation of incidental or consequential damages, so some of the above limitations or exclusions may not apply to you; this limited warranty gives you specific legal rights as set for herein. You may also have other rights which vary from state to state.

If you wish to obtain performance of any obligation under this limited warranty, you should write to:

**Nexgrill Customer Relations
5270 Edison Avenue.,
Chino, CA 91710**

*All consumer returns, parts orders, general questions, and troubleshooting
assistance can be acquired by calling 1-800-913-8999*