Natural Gas Conversion
Instruction for

OUTDOOR 4-BURNER
STAINLESS STEEL ISLAND GRILL

MODEL NO: BG2294BZH-W
MAIN BBQ GRILL
VSN.: BH16-101-09903G
SINK MODULAR
VSN.: BH16-101-09903S
DRAWER MODULAR
VSN.: BH16-101-09903D

WARNING
For Outdoor Use Only (outside any enclosure)

WARNING
1. Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage.
2. Read this instruction manual thoroughly before installing or servicing this equipment.
3. Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury or death.
4. This instruction manual contains important information necessary for proper assembly and safe use this appliance.

WARNING
1. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
2. An LP tank not connected for use should not be stored in the vicinity of this or any other appliance.

DANGER
If you smell gas:
1. Shut off gas to the appliance.
2. Extinguish any open flames.
3. Open the lid.
4. If the odor continues, keep away from the appliance and immediately call your gas supplier or fire department.

DANGER
Never operate this appliance unattended.

Call Customer Service Hotline
1-855-242-6887

DO NOT RETURN YOUR GRILL TO THE STORE
Question, problems, missing parts? Don’t return the grill to stores, please call our customer service department at 1-855-CHANT-US (1-855-242-6887) from 8:00am to 5:00pm Eastern time, Monday through Friday for assistance.
SAFETY INFORMATION

DANGER: Failure to follow the dangers, warning and cautions in this manual may in result in serious bodily injury or death, or in a fire or an explosion causing damage to property.

The installation and repairs of this appliance must conform with local codes or, in the absence of local codes, with either the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or Natural Gas and Propane Installation Code, CSA/CGA-B149.1.

All pipe sealants must be an approved type and resistant to the actions of L.P. gases. Never use pipe sealant on flare fittings. All gas connections should be made by a competent qualified service technician and in accordance with local codes and ordinances. In the absence of local codes, the installation must comply with the National Fuel Gas Code, NFPA 54-2002/ANSI Z223.1-2002.

This grill must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 PSI (3.5 KPa.).

This grill is intended for use outdoors and should not be used in a building, garage or any other enclosed or covered area.

A minimum clearance of 24 inches from combustible constructions to the sides of the grill and 24 inches from the back of the grill to combustible constructions must be maintained. This outdoor cooking gas appliance must not be placed under overhead combustible construction.

Natural Gas (NG) Characteristics:

a. NG is flammable and hazardous if handled improperly. Become aware of the characteristics before using any NG products.
b. NG is explosive under pressure, heavier than air and settles and pools in low areas.
c. NG in its natural state has no odor. For your safety, an odorant is added than smells like rotten cabbage.
d. Contact with NG can cause freeze burns to skin.

Do not block holes in sides or back of the grill.

A fire causing, serious bodily injury or damage to property may occur if above is not followed exactly.

The use of alcohol, prescription or non-prescription drugs may impair the consumers' ability to properly assemble or safely operate the appliance.

Never use charcoal, lighter fluid, lava rocks, gasoline, kerosene or alcohol with this product.

Check for leaks even if your unit was assembled for you by someone else.

Do not operate if gas leak is present. Gas leaks may cause a fire or explosion.

Do not use matches, lighters, or a flame to check for leaks.

Do not use grill until any and all leaks are corrected.

Do not store or use gasoline or other flammable liquids or vapors within 25 feet (7.62 m) of this appliance.

Do not use in an explosive atmosphere. Keep grill area clear and free from combustible materials, gasoline and other flammable vapors and liquids.

It is essential to keep the grill’s valve compartment, burners and circulating air passages clean.

Use only the gas pressure regulator supplied with this appliance. This regulator is set for an outlet pressure of 11.5 wc.

Do not store a spare LP-gas cylinder under or near this appliance.

Do not alter grill in any manner. Any alteration will void your warranty.

Do not use grill in high winds.

Clean and inspect the hose before each use of the appliance. If there is evidence of abrasion, wear, cuts or leaks, hose must be replaced prior to the appliance being put into operation.

Use only the regulator and hose assembly provided. The replacement regulator and hose assembly shall be that specified by the manufacturer.

Do not operate this appliance without reading “Operating Instructions” in this manual.

This grill is designed with to operate at an inlet pressure of: LP gas: 11 inches water column; NG 7 inches water column.
SAFETY INFORMATION

△ Never operate grill without heat plates installed.
△ Do not leave a lit grill unattended, especially keep children and pets away from grill at all times.
△ Always use a meat thermometer to ensure food is cooked to a safe temperature.
△ Never lean over the grill when lighting.
△ Do not place empty cooking vessels on the appliance while in operation.
△ Use caution when placing anything on the grill while the appliance is in operation.
△ Do not attempt to move grill when in use. Allow the grill to cool before moving or storing.
△ Always open grill lid carefully and slowly as heat and steam trapped within grill can severely burn you.
△ Do not attempt to disconnect the gas regulator from the tank or any gas fitting while the grill is in use.
△ Always place your grill on a hard, on-combustible, level surface. An asphalt or blacktop surface may not be acceptable for this purpose.
△ Move gas hoses as far away as possible from hot surfaces and dripping hot grease.
△ Keep all electrical cords away from a hot grill.
△ After a period of storage and/or nonuse, check for leaks, burner obstructions and inspect for any abrasion, wear or cuts to the hose.
△ Failure to open lid while igniting the grill’s burners, or not waiting 5 minutes to allow the gas to clear if the grill does not light, may result in an explosive flam-up.
△ All electrical accessories (such as rotisserie) must be electrically grounded in accordance with local codes, or National Electrical Code, ANSI / NFPA 70 or Canadian Electrical Code, CSA C22.1. Keep any electrical cords and/or fuel supply hoses away from any hot surfaces.
△ When cooking, fire extinguishing materials shall be readily accessible. In the event of an oil/grease fire, do not attempt to extinguish with water. Use type BC dry chemical fire extinguisher or smother with dirt, sand or baking soda.
△ Use protective gloves when assembling this product.
△ Do not force parts together as this can result in personal injury or damage to the product.
△ Do not touch metal parts of grill until it has completely cooled (about 45 minutes) to avoid burns, unless you are wearing protective gear (pot holders, gloves, BBQ mittens, etc...).
△ Do not leave grill unattended while preheating or burning off food residue on high. If grill has not been cleaned, a grease fire can occur that may damage the product.
△ To prevent against electric shock, do not immerse cord or plugs in water or other liquid.
△ Unplug from the outlet when not in use and before cleaning. Allow to cool before putting on or taking off parts.
△ Do not let the cord hang over the edge of a table or touch hot surface.
△ Do not use an outdoor cooking gas appliance for purposes other than intended.
△ When connecting, first connect plug to the outdoor cooking gas appliance then plug appliance into the outlet.
△ Use only a Ground Fault Interrupter (GFI) protected circuit with this outdoor cooking gas appliance.
△ Never remove the grounding plug or use with an adapter of 2 prongs; and use only extension cords with a 3 prong grounding plug, rated for the power of the equipment, and approved for outdoor use with a W-A marking.
△ OUTDOOR USE ONLY. DO NOT EXPOSE TO RAIN.
△ CAUTION: Risk of Electric Shock. Keep extension cord connection dry and off the ground.
△ Use only on properly grounded outlet.
△ Deaths, serious injury or damage to properly may occur if the above is not followed exactly.
△ Never cover entire cooking area with aluminum foil.

**WARNING**

Place the grill on a flat, level surface before starting the conversion.

We strongly recommend that you hire a professionally trained technician to install this Natural Gas Conversion Kit. Incorrect installation may result in explosion and serious injury.

**CALIFORNIA PROPOSITION 65**

1. Combustion by-products produced when using this product contain chemicals known to State of California to cause cancer, birth defects and other reproductive harm.
2. This product contains chemicals, including lead and lead compounds, known to State of California to cause cancer, birth defects or other reproductive harm.
3. Wash your hands after using this product.
NATURAL GAS CONVERSION INSTRUCTIONS

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. Please have your owner’s manual and part number available for reference, and contact customer service 1-855-242-6887 for replacement parts.

1. Turn off as supply and then remove cap on gas supply side.

2. Recommended: Install a shut-off valve on gas supply side before installing the socket.

3. Socket should be installed by an authorized technician in accordance with the national fuel gas code (NFPA 54/ANSI223.1).

4. Before inserting plug, turn on gas supply and leak test all connections including the stem of the shut-off valve and the opening of the socket. For best results, use an ammonia-free soap and water solution.

Leak Check
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 use original equipment replacement hoses. Use only replacement hose assemblies specified by manufacturer.

Before operating your 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.

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.

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.
NATURAL GAS CONVERSION INSTRUCTIONS

⚠️ IMPORTANT:

After your grill is converted to natural gas, the working pressure for natural gas is 7 in. water column (WC). Gas pressure is affected by gas line size and the length of gas line run from house. Follow the recommendations in the chart below.

<table>
<thead>
<tr>
<th>Distance</th>
<th>Tubing Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 25 ft.</td>
<td>3/8 in. DIA</td>
</tr>
<tr>
<td>26 – 50 ft.</td>
<td>1/2 in. DIA</td>
</tr>
<tr>
<td>51 – 100 ft.</td>
<td>2/3 in. of run 3/4 in.</td>
</tr>
<tr>
<td>More than 101 ft.</td>
<td>3/4 in. DIA</td>
</tr>
</tbody>
</table>

NG Conversion Kit (Part No.5207207) Package Content:

<table>
<thead>
<tr>
<th>Orifice 1.26 mm</th>
<th>Orifice removal Tool</th>
<th>NG Rating Label</th>
<th>NG Conversion Instruction</th>
</tr>
</thead>
<tbody>
<tr>
<td>QTY: 4pcs</td>
<td>QTY: 1pc</td>
<td>QTY: 1 pc</td>
<td>QTY: 1 pc</td>
</tr>
</tbody>
</table>

※ The Natural Gas Conversion kit is located inside of the drawer.

Tools required for assembly (Not Included):

<table>
<thead>
<tr>
<th>12 x3 mm Slotted Screwdriver</th>
<th>Wrench</th>
<th>NG Hose</th>
</tr>
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<tbody>
<tr>
<td>QTY: 1pc</td>
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</table>
**NATURAL GAS CONVERSION INSTRUCTIONS**

**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.
Find the part number in Main BBQ Grill Parts List on page 8 to 9 in your grill’s Owner’s Manual.

1. Open the lid and remove warming rack, cooking grates and heat tents.

2. Removed the R- pins at the back of main burners to detach burners from bracket.
Lift back of burners while sliding burners out of firebox, disengaging burners from gas valves as shown.
3. Loosen the screw from LPG setting, rotate the shutter opening counterclockwise, adjusting it from LP setting to NG setting. Re-tighten the screw into NG setting for securing the air shutter opening.

4. Unscrew the old LP orifice from each gas valve with the orifice removal tool. Put a new NG orifice into the valves and tighten with tool. Repeat this step for all four main burners.
5. Reinstall the main burner and R pin. Make sure to engage the burner valves. Then Put the heat tents, cooking grates back to grill.

6. Step 1, Loosen the screw to remove the Hose Heat Shield (26) from Front Beam first. Step 2, Use a wrench to detach the LP regulator and hose from fitting as shown. Step 3, Replace with the NG hose. Step 4, Pull out the hose clip hook (28) to secure the hose into the hook again. Step 5, Re-attach Hose Heat Shield (26) to Front Beam.
7. Remove the 4 main burner control knobs by grasping and pulling out. Insert the slotted screwdriver (Not Included) into the hole of each main burner control valve shaft as shown. Rotate the shaft counterclockwise (to the left) as far as it will go (about 2 complete turns) until it stops. The shaft will now be set in the NG position.

Re-attach the control knobs. Paste the new rating label for NG under the original LP rating label on the cart door inner panel.

NG Conversion is now completed.

⚠️ CAUTION:

If low flames or burner problems are observed after converting from LPG to NG, the natural gas lines may not be large enough. Refer to the “From House to Grill” chart on page 5 for natural gas supply line specifications. Please contact a plumber to assure proper pressure at 7 in. water column.

DO NOT RETURN YOUR GRILL TO THE STORE.
Many solutions given here can make your grilling experience safer and more enjoyable. You can also call customer service department at **1-855-CHANT-US (1-855-242-6887)** from 8:00am to 5:00pm Eastern time, Monday through Friday for assistance.

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSE</th>
<th>CORRECTIVE ACTION</th>
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<tbody>
<tr>
<td>Grill will not light.</td>
<td>1. The ignition wire came off the igniter/valve. 2. The distance between the ignition pin and the burner is greater than 5/32 in. - 3/16 in. 3. The ignition wire is broken. 6. The electrode tip does not produce sparks at the burner port. 7. No gas supplied. 8. Air shutter opening is too big.</td>
<td>1. Reconnect the ignition wire to the electrical igniter/valve. 2. Loosen the ignition pin and adjust the distance, then fasten it again. 3. Call customer service for a replacement ignition wire. 6. Reinstall the electrode. 7. Turn on the regulator valve. 8. Loosen the air shutter and adjust the opening to a smaller size.</td>
</tr>
<tr>
<td>Burner flame is yellow and gas odor can be smelled.</td>
<td>1. The air shutter opening is not properly set. 2. Spiders or insects block the air shutter. 3. Possible gas leaks.</td>
<td>1. Loosen the air shutter and adjust the opening to have blue flames. Make sure burners are set for NG. 2. Clean blockages. 3. Check for the source of gas leaks.</td>
</tr>
<tr>
<td>Low heat with the knob in “HIGH” position.</td>
<td>1. Low heat is found in natural gas models. 2. Ports are blocked. 3. LP tank has run out.</td>
<td>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 model. Check the orifice if you installed NG nozzles. Conversion kit provides the following nozzles:</td>
</tr>
<tr>
<td>Low heat, natural gas.</td>
<td>Gas pressure is significantly affected by gas line and length of gas line from house gas line.</td>
<td>Check your gas line and make corrections by following the chart below:</td>
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