

Outdoor Gourmet®

Assembly Instructions & User's Manual

5 Burner Island Grill

Item# 162109

Model# SRGG51608-19



Please keep this instruction manual for future reference

Warning:

READ INSTRUCTION MANUAL BEFORE ATTEMPTING TO ASSEMBLE OR
OPERATE THIS PRODUCT.

Adult assembly required.

Keep screws and parts out of reach of children.

Customer Service: (888) 909-3888, 7:30 am to 4:30 pm PST

Monday - Friday

-----OR-----

Customer Service: (888) 922-2336 7:00 am to 12:00 am CST (daily)

Live Chat at: www.academy.com

Email: customerservice@academy.com

(Made in China)

SAFETY WARNING

RECOGNIZED SAFETY SYMBOLS, WORDS AND LABELS



WARNING

Do not try lighting this appliance without first reading the "LIGHTING INSTRUCTIONS" section of this manual.

INSECT WARNING!!! Spiders and insects can nest in the burners of this and any other grill, and cause improper gas flow. This is a very dangerous condition, which can cause fire behind and beneath the valve panel, thereby damaging the grill and making it unsafe to operate. Inspect the grill for this at least twice a year.

LP gas cylinder must be fitted with Overfill Protection Device (OPD).



WARNING

- a) **DO NOT** store a spare LP-gas cylinder under or near this appliance.
- b) **NEVER** fill the cylinder beyond 80% full.
- c) If the information in "a" and "b" is not followed exactly, a fire causing death or serious injury may occur.



DANGER

If you smell gas:

- Shut off gas to the appliance.
- Extinguish any open flame.
- Open lid.
- If odor continues, keep away from the appliance and immediately call your gas supplier or your fire department.



WARNING

- Do not store or use gasoline or other flammable liquids or vapors in the vicinity of this or any other appliance.
- An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

DO NOT USE ALUMINUM FOIL TO LINE THE GRILL RACKS OR GRILL BOTTOM. This can severely upset combustion airflow or trap excessive heat in the control area.

GAS INSTALLATION CODES

The installation 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 the Natural Gas and Propane Installation Code, CSA B149.1, or the Propane Storage and Handling Code, CSA B149.2.

DO NOT LEAVE THE GRILL UNATTENDED WHILE COOKING.



WARNING: Always keep your face and body as far away from the burner as possible when lighting.



WARNING: IMPORTANT!

BEFORE LIGHTING

Inspect the hose before each use of the outdoor cooking gas appliance. If it is evident there is excessive abrasion or wear, or the hose is cut, it must be replaced prior to the outdoor cooking gas appliance being put into operation. Do not use the grill if the odor of gas is present. Only the pressure regulator and hose assembly supplied with the outdoor cooking gas appliance must be used. Never substitute regulators for those supplied with the grill. If a replacement is necessary, contact the customer service number below for proper replacement.

Attach regulator onto the cylinder. Check the leaks in the hose and regulator connections using a soap and water solution before operating the grill.

Keep a spray bottle of soap water near the gas supply valve and check the connections before each use. See leak testing section.

Do not attempt to light the grill if odor of gas is present. Call for customer service of your retailer.

TABLE OF CONTENTS

Safety Warning.....	2,4-5
Placement of the Grill.....	6
Exploded View.....	7
Parts List.....	8
Tools Required & Hardware	9
Assembly Instructions.....	10-11
Gas Cylinder Installation Instructions.....	12
Gas Hook-Up.....	13
Gas Safety.....	14
Leak Testing.....	15
Installer Final Check	16
Operating Instructions.....	16
Lighting Instructions.....	17-18
Grilling Guide.....	19
Care & Maintenance	20
Cleaning Burners.....	21
How to Replace Main Burner.....	22
Trouble Shooting.....	23
Warranty Information	24

Read this User Manual carefully and completely before using your grill to reduce the risk of fire, burn hazard or other injury.

Note: Before beginning assembly of product, make sure all parts are present. Compare parts with package content list and hardware contents. If any part is missing or damaged, do not attempt to assemble the unit. Contact customer service for replacement parts.

SAFETY WARNING

TESTED IN ACCORDANCE WITH ANSI
Z21.58-2018 / CSA 1.6-2018 STANDARD FOR
OUTDOOR COOKING GAS APPLIANCES.



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, and carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

SAFETY PRACTICES TO AVOID PERSONAL INJURY

When properly cared for, your grill will give safe, reliable service for many years. However, extreme care must be used since the grill produces intense heat and that can increase accident potential. When using this appliance basic safety practices must be followed, including the following:

THIS OUTDOOR COOKING GAS APPLIANCE SHALL BE USED ONLY OUTDOORS. NEVER used in a building, garage or any other enclosed area.

This outdoor cooking gas appliance is not intended to be installed in or on recreational vehicles and/or boats.

The outdoor cooking gas appliance shall not be used under overhead combustible construction.

Do not repair or replace any part of the grill unless specifically recommended in this manual. All other service should be referred to a qualified technician.

CHILDREN SHOULD NOT BE LEFT ALONE OR UNATTENDED IN AN AREA WHERE THE GRILL IS BEING USED. NEVER ALLOW THEM TO SIT, STAND OR PLAY ON OR AROUND THE GRILL AT ANY TIME.

DO NOT STORE ITEMS OF INTEREST TO CHILDREN AROUND OR BELOW THE GRILL OR IN THE CART. NEVER ALLOW CHILDREN TO CRAWL INSIDE OF THE CART.

Never let clothing, pot holders or other flammable materials come in contact with or too close to any grate, burner or hot surface until it has cooled. Fabric may ignite and result in personal injury.

For personal safety, wear proper apparel. Loose fitting garments or sleeves should never be worn while using this appliance. Some synthetic fabrics are highly flammable and should not be worn while cooking.

Only certain types of glass, heatproof glass ceramic, earthenware, or other glazed utensils are suitable for grill use. These types of materials may break with sudden temperature changes. Use only on low or medium heat settings according to the manufacturer's directions.

Do not heat unopened food containers as a build-up of pressure may cause the container to burst.

Never lean over an open grill.

SAFETY WARNING

When using the grill, do not touch the grill rack, burner grate or immediate surroundings as these areas become extremely hot and could cause burns. Use only dry potholders. Moist or damp potholders on hot surfaces may cause burns from steam. Do not use a towel or bulky cloth in place of potholders. Do not let potholders touch hot portions of the grill rack.

Grease is flammable. Let hot grease cool before attempting to handle it. Avoid letting excess grease deposits collect in the grease slide panel bottom at the bottom of the grill's firebox. Clean this area often.

For proper lighting and performance of the burners, keep the burner ports clean. It is necessary to clean them periodically for optimum performance. The burners will only operate in one position and must be mounted correctly for safe operation.

Clean the grill with caution. Avoid steam burns; do not use a wet sponge or cloth to clean the grill while it is hot. Some cleaners produce noxious fumes or can ignite if applied to a hot surface.

Be sure all grill controls are turned off and the grill is cool before using any type of aerosol cleaner on or around the grill. The chemical that produces the spraying action could, in the presence of heat, ignite or cause metal parts to corrode.

Do not use the grill for cooking excessively fatty meats or products, which promote flare-ups.

Keeping outdoor cooking gas appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.

Do not obstruct the flow of combustion and ventilation air.

If the unit is stored indoors ensure that it is cool.

If propane is used, the cylinder must be unhooked and the propane cylinder stored outside in a well-ventilated area, out of the reach of children.

DO NOT USE BRIQUETTES OF ANY KIND IN THE GRILL.

The grill is designed for optimum performance without the use of briquettes. Do not place briquettes on the flame tamers as this will block off the area for the grill burners to vent. Adding briquettes can damage ignition components and knobs, and void the warranty.

Keeping the ventilation opening(s) of the cylinder enclosure free and clear from debris.

Never use the grill in extremely windy conditions. If located in a consistently windy area (oceanfront, mountaintop, etc.) a windbreak will be required.

Always adhere to the specified clearance listed on page 6.

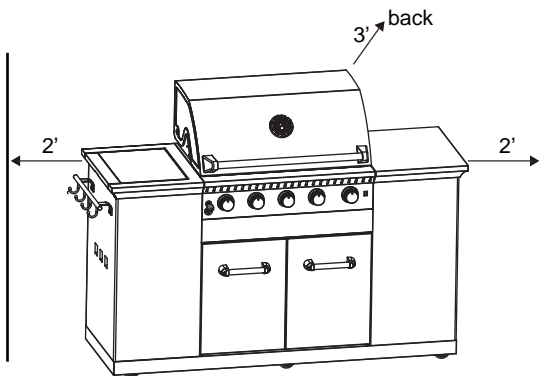
NEVER USE A DENTED OR RUSTY PROPANE CYLINDER.

Do not cover grill while still hot.

PLACEMENT OF THE GRILL

MINIMUM CLEARANCE:

2 feet Clearance from both sides of combustible material, and 3 feet Clearance from the back.

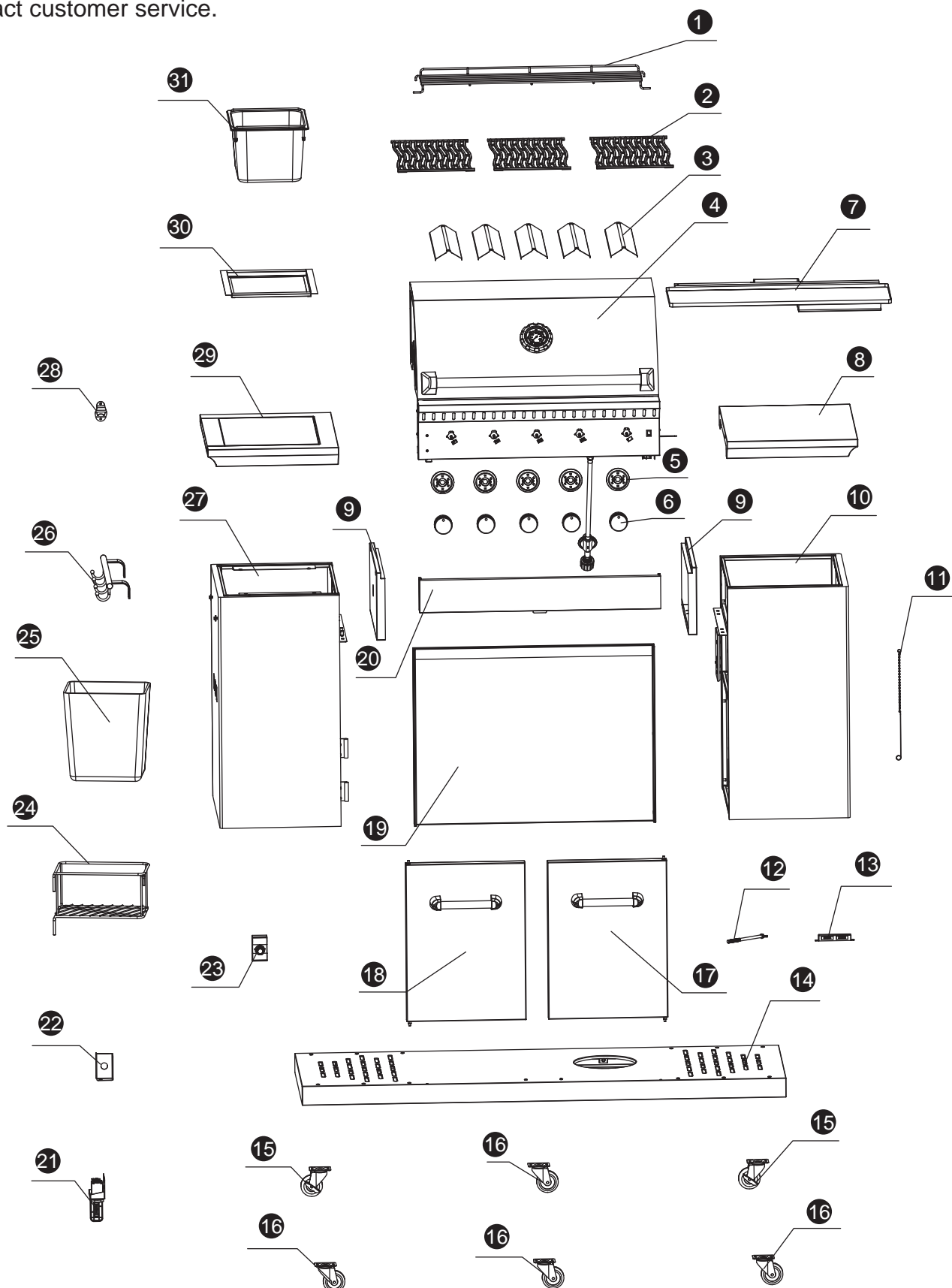


LOCATION


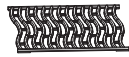

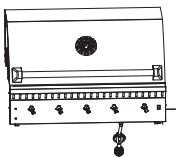



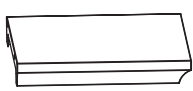





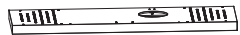

When determining a suitable location take into account concerns such as exposure to wind, proximity to traffic paths and keeping any gas supply lines as short as possible. Locate the grill only in a well-ventilated area. Never locate the grill in a building, garage, breezeway, shed or other such enclosed areas. During heavy use, the grill will produce a lot of smoke. Lock the wheels after the grill is placed in a suitable position.


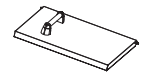
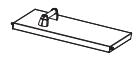





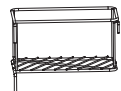







EXPLODED VIEW

Please check the contents of the packaging to ensure all parts are included. If missing parts please contact customer service.



PART LIST

Part #	Description	Picture	Qty
1	Warming Rack		1
2	Cooking Grate		3
3	Heat Diffuser		5
4	Grill Body Assembly (pre-assembly)		1
5	Control Knob Bezel (pre-assembly)		5
6	Control Knob (pre-assembly)		5
7	Grease Tray (pre-assembly)		1
8	Right Side Shelf Assembly (pre-assembly)		1
9	Grill Body Support (pre-assembly)		2
10	Right Cabinet Assembly (pre-assembly)		1
11	Match Lighter (pre-assembly)		1
12	Cylinder Locking Bolt		1
13	Door Magnet (pre-assembly)		1
14	Bottom Panel Assembly (pre-assembly)		1
15	Locking Caster (pre-assembly)		2


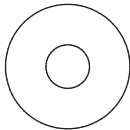
Part #	Description	Picture	Qty
16	Non-locking Caster (pre-assembly)		4
17	Right Door Assembly (pre-assembly)		1
18	Left Door Assembly (pre-assembly)		1
19	Rear Panel (pre-assembly)		1
20	Cabinet Decorative Board (pre-assembly)		1
21	Battery Compartment Assembly (pre-assembly)		1
22	Pulse Igniter Cover Plate (pre-assembly)		1
23	Pulse Igniter (pre-assembly)		1
24	Trash Can Holder (pre-assembly)		1
25	Trash Can (pre-assembly)		1
26	Utensil Rack		1
27	Left Cabinet Assembly (pre-assembly)		1
28	Bottle Opener (pre-assembly)		1
29	Left Side Shelf Assembly (pre-assembly)		1
30	Ice Bucket Holder (pre-assembly)		1
31	Ice Bucket (pre-assembly)		1

TOOLS REQUIRED

Adjustable Wrench
(Not included)



HARDWARE

Hardware #	Description	Picture	Qty
AA	M6 x 40 Hexagon Bolt (pre-assembly)		2
BB	D6 Washer (pre-assembly)		2

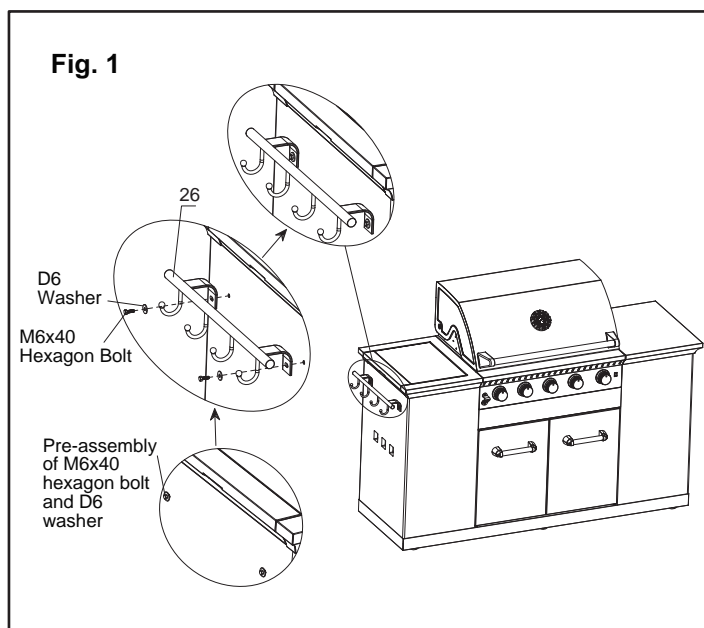
ASSEMBLY INSTRUCTIONS

Choose a good, cleared assembly area and get a friend to help you put your grill together. Lay cardboard down to protect grill finish and assembly area.

STEP 1

Unscrew 2 pcs M6x40 hexagon bolts (AA) and 2 pcs D6 washers (BB) on left cabinet of grill.

Attach utensil rack (#26) to the left cabinet of grill with 2 pcs M6x40 hexagon bolts (AA) and 2 pcs D6 washers (BB) as shown in Fig. 1.



STEP 2

Turn and open the pulse igniter cap. Insert one AA-1.5V battery (not included) into the pulse igniter (#23). Make sure the (+) end is facing you. Screw back on the pulse igniter cap as shown in Fig. 2.

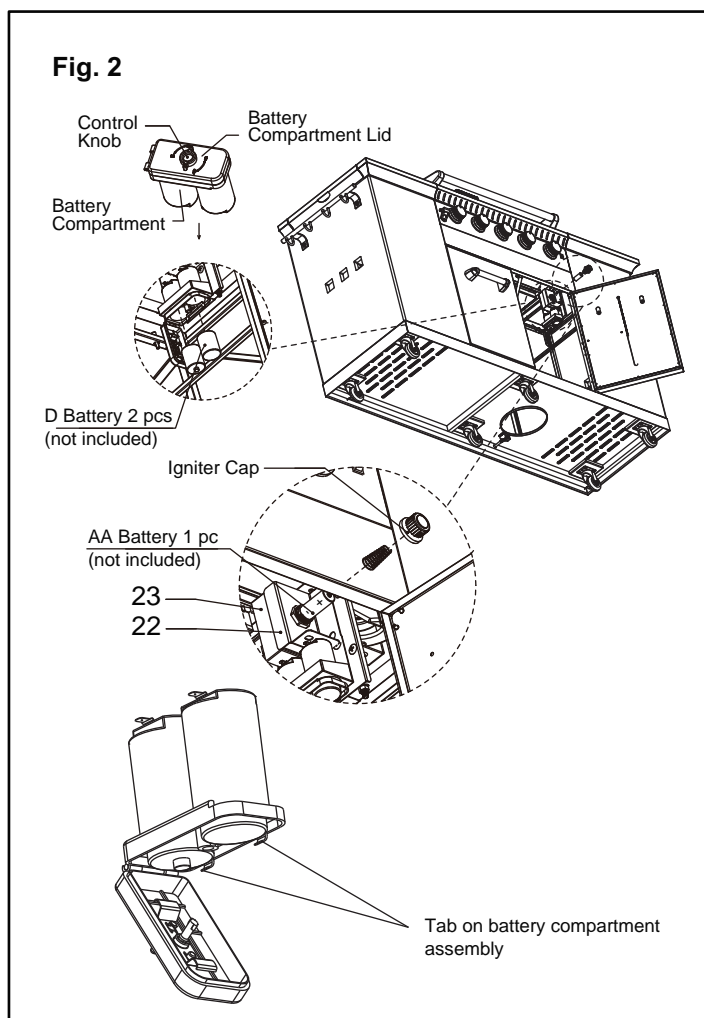
Assemble or replace batteries in the battery compartment:

Turn the control knob of the battery compartment assembly counter-clockwise to "ON" position, open the battery compartment lid.

Put 2 pcs D batteries (not included) in or out as shown in the picture.

Note the positive and negative terminals. Cover the battery compartment lid, and turn the control knob clockwise to "OFF" position.

For battery removal, push the tab on battery compartment assembly outward. This should assist in releasing the battery and allow you quickly change out.

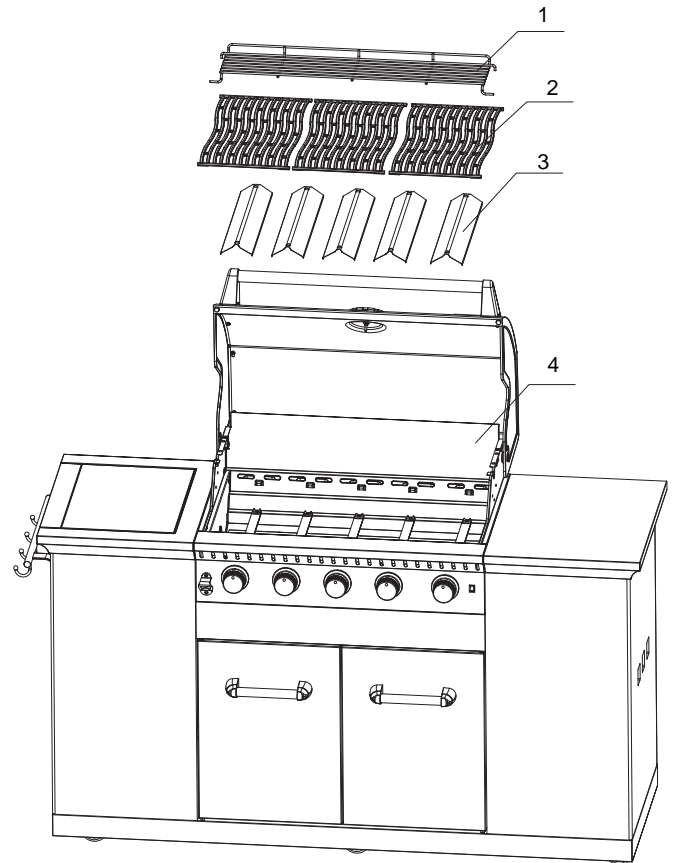


ASSEMBLY INSTRUCTIONS

STEP 3

Open the lid and place one warming rack (#1), three cooking grates (#2) and five heat diffusers (#3) onto the corresponding positions of grill body assembly (#4) as Fig. 3.

Fig. 3

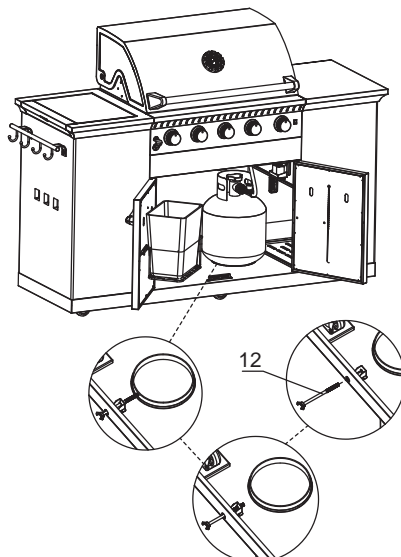


GAS CYLINDER INSTALLATION INSTRUCTIONS

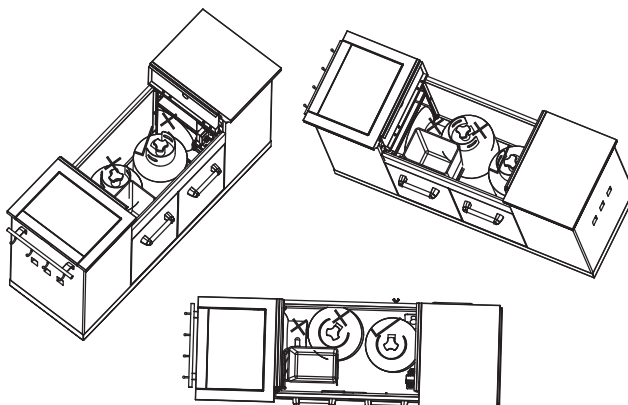
STEP 1

Place gas cylinder (not included) into the hole at cart bottom panel.

Screw cylinder locking bolt (#12) to the cart bottom panel from behind until the cylinder locking bolt touch the bottom rim of gas cylinder.



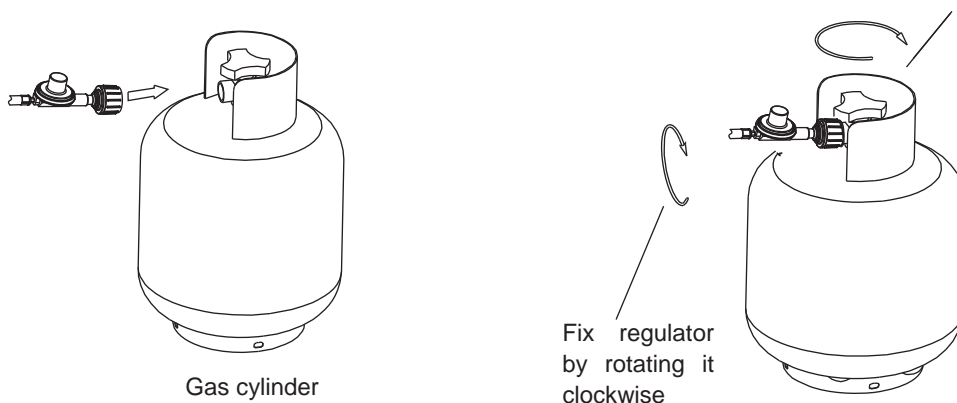
WARNING: It is prohibited to store another cylinder in the cabinet after placing a cylinder into the hole at cart bottom panel.



STEP 2

- 1) Check to ensure that the valve of gas cylinder is securely turned off prior to making the connection. If not, turn the valve clockwise to turn it off.
- 2) Connect the hose and regulator assembly to the gas cylinder. Turn the regulator clockwise to make sure it's securely tightened.

Shut off gas supply by rotating valve of gas cylinder clockwise.



GAS HOOK-UP

Only the pressure regulator and hose assembly supplied with the grill must be used. Any replacement pressure regulator and hose assembly must be specified by the grill manufacturer.

- This is a liquid propane configured grill.
- Do not connect to a natural gas supply.

Total gas consumption (per hour) of this grill with all burners on "IGNITE/MAX":

Main burner	58,000 Btu/hr.
Total	58,000 Btu/hr.

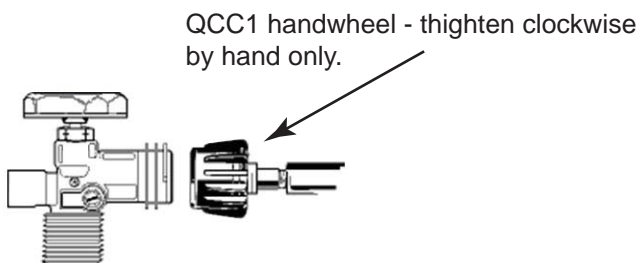
The installation of this appliance in Canada must be in accordance with the Standard CAN/CSA-B149.2 (installation code for gas burning appliances and equipment) and local codes.

LP GAS CYLINDER REQUIREMENTS

Use LP cylinders only with these required measurements: 12" (30.5cm) (diameter) x 18" (45.7 cm) (tall) with 20 lb. (9 kg.) capacity maximum.

A dented or rusty LP Gas Cylinder may be hazardous and should be checked by your LP supplier. Never use a cylinder with a damaged valve. The LP gas cylinder must be constructed and marked in accordance with the specifications for LP-Gas Cylinders of the U.S. Department of Transportation (D.O.T.) or the National Standard of Canada, CAN/CSA-B339, Cylinders, Spheres and Tubes for Transportation of Dangerous Goods, and Commission.

The 20 lb. cylinder must be provided with a shut off valve terminating in an LP gas supply cylinder valve outlet specified, as applicable, for connection type **QCC1** is the standard for compressed gas cylinder valve outlet and inlet connection ANSI/CSA-V-1.



The cylinder supply system must be arranged for vapor withdrawal. The cylinder must include a collar to protect the cylinder valve.

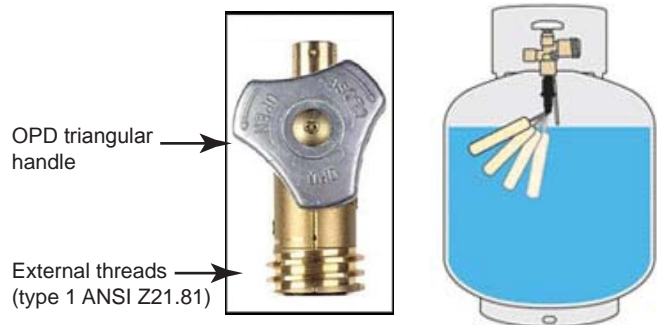
Main Manifold operating pressure: 11" water column (W.C.) /2.74kPa.

LP Gas Cylinder must be fitted with Overfill Prevention Device (OPD).

The OPD is a float device indicating fill level.

OPD cylinders are identifiable by their triangular valve handle.

The OPD device prevents overfilling. Cylinders must NOT be filled over 80% their capacity.



LP GAS HOOK-UP

Ensure that the black plastic grommets (seals) on the LP cylinder valve are in place and that the hose does not come into contact with the hot grease tray or any hot surface.

TO CONNECT THE L.P. GAS SUPPLY CYLINDER

1. Make sure cylinder valve is turned OFF turning clockwise.
2. Check cylinder valve to ensure it has proper external male threads as picture above (type 1 ANSI Z21.81).
3. Make sure all burner valves are in the OFF positions.
4. Inspect valve connections, port and regulator assembly. Look for any damage or debris. Remove any debris. Inspect hose for damage. Never attempt to use damaged or obstructed equipment. See your local LP gas dealer for repair.
5. When connecting hose regulator assembly to the cylinder valve, do so manually, do not use a tool. Tighten firmly clockwise by hand only. The use of a tool will damage the seal and cause a serious risk of gas leak.
6. **SLOWLY** - Open the cylinder valve fully. Proceed to a leak test (see LEAK TESTING section).

GAS SAFETY

To disconnect LP gas cylinder:

1. Turn the burner valves off.
 2. Turn the cylinder valve off fully (turn clockwise to stop).
Detach the regulator assembly from the cylinder valve by turning the quick coupling nut counterclockwise.
- Never connect an unregulated LP gas cylinder to your gas grill.
 - Have your LP gas cylinder filled by a reputable propane gas dealer and visually inspected and re-qualified at each filling.
 - Do not store a spare LP gas cylinder under or near this appliance.

If the information above is not followed exactly, a fire or explosion causing death or serious injury may occur.

- Always keep LP gas cylinders in an upright position.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this gas grill.
- Do not subject the LP gas cylinder to excessive heat.
- Never store an LP gas cylinder indoors. Storage of an outdoor cooking gas appliance indoors is permissible only if the cylinder is disconnected and removed from the outdoor cooking gas appliance. Cylinders must be stored outdoors out of the reach of children and must not be stored in a building, garage, or any other enclosed area.
- Place dust cap on cylinder valve outlet whenever the cylinder is not in use. Only install the type of dust cap on the cylinder valve outlet that is provided with the cylinder valve. Other types of caps or plugs may result in leakage of propane.
- If the outdoor cooking gas appliance is not in use, the gas must be turned off at the supply cylinder.
- The regulator and hose assembly must be inspected before each use of the grill. If there is excessive abrasion or wear or if the hose is cut, it must be replaced prior to the grill being lit again.
- Keep the gas regulator hose away from hot grill surfaces and dripping grease. Avoid unnecessary twisting of hose.
- Never light your gas grill with the lid closed or before checking to ensure the burner tubes are fully seated over the gas valve orifices.
- Never allow children to operate your grill.

QCC-1 QUICK CLOSING COUPLING

This appliance is designed to be used with an LP gas cylinder equipped with the QCC-1 Type 1 Quick Closing Coupling system which incorporates new safety features required by the American National Standard Institute (ANSI).

- Gas will not flow until a positive connection has been made.
- A thermal element with shut off the flow of gas between 240° and 300° F.
- When activated, a flow limiting device will limit the flow of gas.

Purchase a gas cylinder equipped with a QCC valve. The QCC valve is recognizable by the external threads on the inlet of the valve.

GAS HOSE AND REGULATOR

Your gas grill comes equipped with a hose and regulator with a QCC-1 Quick Closing Coupling to gas tank. The replacement hose assembly shall be that specified by the manufacturer.

CAUTION WHEN OPENING CYLINDER VALVE

The QCC coupling contains a magnetic Flow Limiting Device which will limit the flow of gas should there be a leak between the regulator and the grill valves (overpressure). This device will activate if the cylinder valve is opened while the grill valves (control knobs) are open. **ENSURE GRILL VALVES (KNOBS) ARE TURNED OFF BEFORE YOU OPEN CYLINDER VALVE** to prevent accidental activation thus, limiting gas flow making it impossible to ignite grill.

ALWAYS OPEN SLOWLY THE CYLINDER VALVE.

WARNING

A strong gas smell or the hissing sound of gas indicates a serious problem with your gas grill or the LP gas cylinder. Failure to immediately follow the steps listed below could result in a fire or explosion that could cause serious bodily injury, death, or property damage.

- * Shut off gas supply to the gas grill.
- * Turn the control knobs to OFF position.
- * Put out any flame with a proper fire extinguisher.
- * Open grill lid.
- * Get away from the LP gas cylinder.
- * Do not try to fix the problem yourself.

If odor continues or you have a fire you can not extinguish, call your fire department. Do not call from near the LP gas cylinder because your telephone is a form of electrical device and could create a spark resulting in fire and/or explosion.

LEAK TESTING

GENERAL

Although all gas connections on the grill are leak tested at the factory prior to shipment, a complete gas tightness check must be performed at the installation site due to possible mishandling in shipment, or excessive pressure unknowingly being applied to the unit. Periodically check the whole system for leaks following the procedures listed below. If the smell of gas is detected at any time, you should immediately check the entire system for leaks.

BEFORE TESTING

Make sure that all packing material is removed from the grill including the burner tie-down straps.

DO NOT SMOKE WHILE LEAK TESTING.

NEVER LEAK TEST WITH AN OPEN FLAME.

Make a soap solution of one part liquid detergent and one part water. You will need a spray bottle, brush, or rag to apply the solution to the fittings. For the initial leak test, make sure the L.P. cylinder is full.

TO TEST

Make sure all control valves are in the "OFF" position. Turn the gas supply on. Check all connections from the L.P. cylinder up to and including the connection to the manifold pipe assembly (the pipe that goes to the burners). Use the soap solution and spray or brush it onto all of these connections.

Soap bubbles will appear where a leak is present. If a leak is present, immediately turn off the gas supply, tighten any leaking fittings, turn gas on, and recheck. Should the gas continue to leak from any or all of the fittings, turn off the gas supply, and contact our customer service.

Only those parts recommended by the manufacturer should be used on the grill. Substitution will void the warranty. Do not use the grill until all connections have been checked and do not leak.

GAS FLOW CHECK

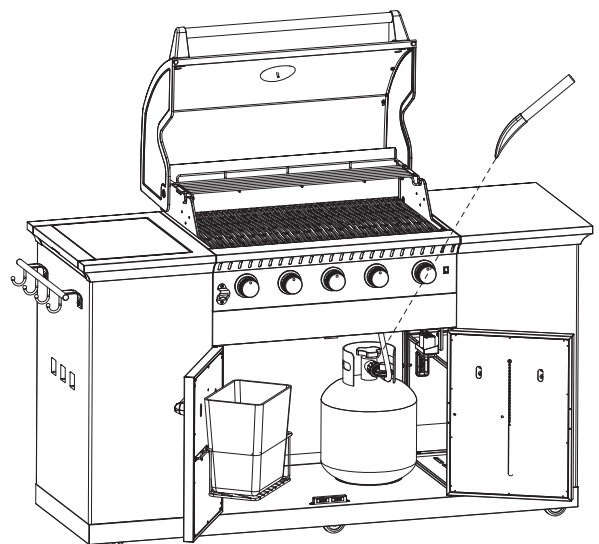
Each grill burner is tested and adjusted at the factory prior to shipment; however, variations in the local gas supply may make it necessary to adjust the burners, the flames of the burners should be visually checked.

Flames should be blue and stable with no yellow tips, excessive noise or lifting. If any of these conditions exist, check to see if the air shutter or burner ports are blocked by dirt, debris, spider webs, etc. If you have any questions regarding flame stability, please call customer service.

ALWAYS CHECK FOR LEAKS AFTER EVERY LP CYLINDER CHANGE

Check all gas supply fittings for leaks before each use. It is handy to keep a spray bottle of soapy water near the shut-off valve of the gas supply line. Spray all the fittings. Bubbles indicate leaks.

Disconnected L.P. cylinders must have threaded valve plugs tightly installed, and must not be stored in a building, garage or any other enclosed area.



INSTALLER FINAL CHECK

- ☐ Specified clearance maintained 2 feet from sides of combustibles, and 3 feet from the back.
- ☐ All internal packaging removed.
- ☐ Knobs turn freely.
- ☐ Burners are tight and sitting properly on orifices.
- ☐ Pressure regulator connected and set for 11" W.C. LP gas. Gas connections to grill using hose & regulator assembly provided (pre-set for 11.0" water column).
- ☐ Unit tested and free of leaks.
- ☐ User informed of gas supply shut off valve location.

OPERATING INSTRUCTIONS

USING THE GRILL

Grilling requires high heat for searing and proper browning. Most foods are cooked at the "MAX" heat setting for the entire cooking time. However, when grilling large pieces of meat or poultry, it may be necessary to turn the heat to a lower setting after the initial browning. This cooks the food through without burning the outside. Foods cooked for a long time or foods basted with a sugary marinade may need a lower heat setting near the end of the cooking time.

TO BEGIN

1. Make sure the grill has been leak tested and is properly located.
2. Remove any remaining packing material.
3. Light the grill burners using the instructions.
4. Turn the control knob(s) to "MAX" and preheat the grill for 15 minutes. The grill lid is to be closed during the appliance preheat period.
5. Place the food on the grill and cook to the desired doneness. Adjust heat setting, if necessary. The control knob may be set to any position between "MAX" and "MIN".

NOTE: The grill is designed to grill efficiently without the use of lava rocks or briquettes of any kind. Heat is radiated by the flame tamers positioned above each burner.

NOTE: The hot grill sears the food, sealing in the juices. The longer the preheat lasts, the faster the meat browns and the darker the grill marks.

DO NOT LEAVE THE GRILL UNATTENDED WHILE COOKING.

LIGHTING INSTRUCTIONS

WARNING: IMPORTANT!

BEFORE LIGHTING...

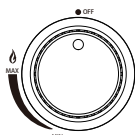
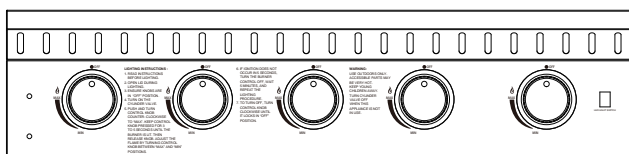
Inspect the gas supply hose prior to turning the gas "ON". If it is evident there is excessive abrasion or wear, or the hose is cut, it must be replaced prior to the grill being put into operation. The replacement pressure regulator and hose assembly shall be that specified by the manufacturer. Do not use the grill if the odor of gas is present. Only the pressure regulator and hose assembly supplied with the unit should be used. Never substitute regulators for those supplied with the grill. If a replacement is necessary, contact the factory for proper replacement.

Screw the regulator (type QCC1) onto the cylinder. Leak check the hose and regulator connections with a soap and water solution before operating the grill, [see leak testing section](#).

TO LIGHT THE GRILL BURNER

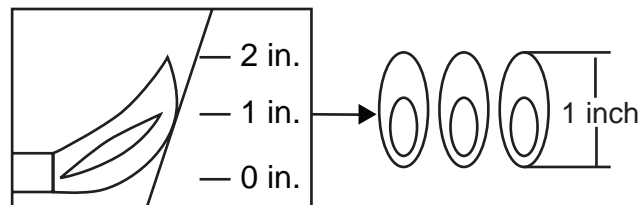
Always keep your face and body as far from the grill as possible when lighting.

1. Read instructions before lighting.
2. Open lid during lighting.
3. Ensure knobs are in "OFF" position.
4. Turn on the cylinder valve .
5. Push and turn control knob counter-clockwise to "MAX". Keep control knob pressed for 3 to 5 seconds until the burner is lit. Then release knob. Adjust the flame by turning control knob between "MAX" and "MIN" positions.
6. If ignition does not occur in 5 seconds, turn the burner control off, wait 5 minutes, and repeat the lighting procedure.
7. To turn off, turn control knob clockwise until it locks in "OFF" position.



FLAME CHARACTERISTICS

Check for proper burner flame characteristics. Each burner is adjusted prior to shipment; however, variations in the local gas supply may take minor adjustments.



Burner flames should be blue and stable with no yellow tips, excessive noise, or lifting. Slight yellow tipping is normal for LP gas. If the flame is yellow, it indicates insufficient air. If the flame is noisy and tends to lift away from the burner, it indicates too much air.

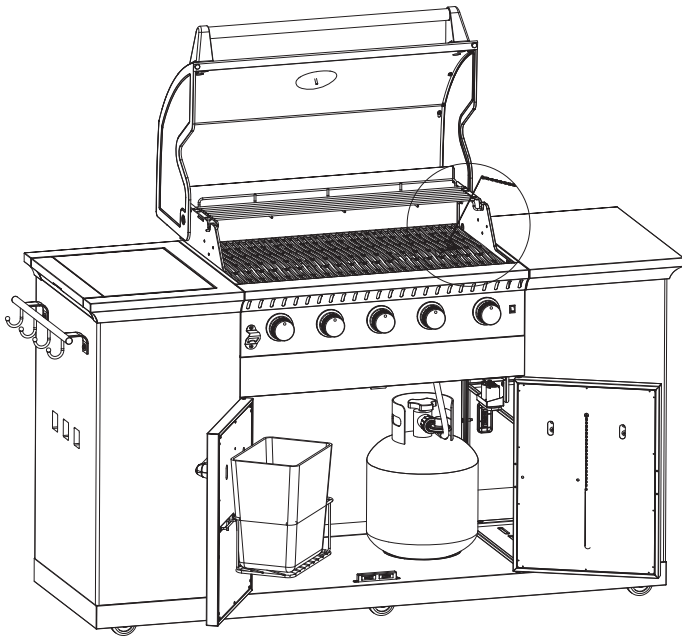
Visually check the burner flames prior to each use, the flames should look like this picture, if flames do not, refer to the CARE & MAINTENANCE of this manual. If any of these conditions exist, call our customer service line.

TO MATCH LIGHT THE GRILL

If the burner will not light after several attempts then the burner can be match lit.

1. Open lid before lighting.
2. Turn the burner control knobs to "OFF".
3. Place a paper match in the end of the match lighter. Strike the match and place through the cooking grate to the LEFT burner, 1/2" (1 to 2 cm) away.
4. Turn on the LEFT burner control knob to "MAX" position. The burner should light within 5 seconds.
5. If the burner does not light, turn the control knob to "OFF" and wait 5 minutes for gas to dissipate and repeat lighting procedure.
6. Once lit, light adjacent burners in sequence by pressing in and rotating the control knob to the "MAX" position.
7. If the burner does not light within the first few attempts of match lighting, there is a problem with the gas supply. Turn off the gas at the burner and cylinder. DO NOT attempt to operate the grill until the problem is found and corrected. See "Trouble Shooting" section of this manual .

LIGHTING INSTRUCTIONS



Keep a spray bottle of soapy water near the gas supply valve and check the connections before each use.

Do not attempt to light the grill if odor of gas is present. Call for customer service.

GRILLING GUIDE

Outdoor grilling is really quite simple. You'll succeed with burgers, dogs, or steaks usually on your very first try. With experience, you will learn how to work with your grill, creating more imaginative meals all the time. This knowledge makes up the art of grilling. Before you start grilling, organize your food according to cooking technique and required cooking time, and optimize the use of your grilling area.

PREHEATING

Preheat your barbecue on MED/HIGH with the lid closed for ten minutes. Adjust heat for what you will be grilling. Scrub grids with a wire brush and apply cooking oil to reduce food from sticking.

LID POSITION

Lid position is a matter of preference. Grilling with the lid closed will cook faster, use less gas and will control the temperature better. It will also give a smokier taste to foods with the lid closed.

DIRECT COOKING

Direct cooking involves grilling your meat directly over high heat. It is perfect for searing steaks, chops, and other smaller pieces of meat and vegetables that quickly make their way to the table.



INDIRECT COOKING

Indirect cooking utilizes select burners to circulate heat throughout the grill, without direct contact between the meat and the flame. The meat is placed over the burner that is 'off'. This method is generally used to slow cook large cuts of meat and poultry. A pan can be placed underneath the meat to catch grease and food drippings, and helps minimize clean-up.



CARE & MAINTENANCE

CAUTION:

All cleaning and maintenance should be done when grill is cool and with the gas supply turned off at the propane cylinder.

DO NOT clean any grill part in a self cleaning oven. The extreme heat will damage the finish.

CLEANING

Burning-off the grill after every use (approx. 15 minutes) will keep excessive food residue from building up.

STAINLESS STEEL SURFACE

Under extreme conditions, stainless steel can rust and the rust may not be removable. These conditions may become more prevalent in coastal areas. Always use extra precautions while cleaning the stainless steel using a soft non-abrasive cloth and a stainless steel cleaner/polish to minimize the risk of scratching the surface.

PLASTIC PARTS

Wash with warm soapy water and wipe dry.

Do not use citrisol, abrasive cleaners, degreasers or a concentrated grill cleaner on plastic parts. Damage to and failure of parts can result.

PORCELAIN SURFACES

Because of glass-like composition, most residue can be wiped away with baking soda/water solution or specially formulated cleaner. Use nonabrasive scouring powder for stubborn stains.

PAINTED SURFACES

Wash with mild detergent or nonabrasive cleaner and warm soapy water. Wipe dry with a soft nonabrasive cloth.

COOKING SURFACES

If a bristle brush is used to clean any of the grill cooking surfaces, ensure no loose bristles remain on cooking surfaces prior to grilling. It is not recommended to clean cooking surfaces while grill is hot.

BURNERS

Ensure the gas supply is off and the knobs are in the "OFF" position. Make sure the grill is cool. Clean the exterior of the burner with a wire brass brush. Clear stubborn scale with a metal scraper. Clear any clogged ports with a straightened paper clip. Never use a wooden toothpick as it may break off and clog the port.

At beginning of season and the frequency depending of your area, clean burner venturi tubes with a flexible spring shaft cleaning brush. Insects and spiders have a tendency to nest in venturi tubes and block flow of gas, see CLEANING BURNERS section of this manual).

GREASE TRAY CLEANING

The grease tray should be emptied and wiped down periodically and washed in a mild detergent and warm water solution. A small amount of sand or cat litter may be placed in bottom of grease tray to absorb the grease. Check the grease tray frequently, don't allow excess grease to accumulate and overflow out of the grease tray.

CONTROL PANEL GRAPHICS

To avoid damage to control panel graphics, do not use steel wool, abrasive cleaners or oven cleaner. Do not spray cleaner directly onto panel.

Wash with mild detergent and warm water. Wipe dry with a soft cloth. Clean around the burner labels gently; scrubbing may remove printing.

Check your grill for the following items every six months

1. Make sure the area around the grill free and clear of combustible materials.
2. Make sure the combustion and ventilation openings are not obstructed.
3. Make sure the ventilation openings of the cart are not obstructed.
4. Visually check the burner flames.
5. Clean your grill as described above.
6. Check the burner / venturi tubes for insects and insect nests as described in the CLEANING BURNERS section of this manual. A clogged tube can lead to a fire beneath the grill.

CLEANING BURNERS

BURNERS & VENTURI TUBES

KEEP VENTURI TUBES CLEAN.

INSECT WARNING !!

Your grill might still light but...

Spiders and insects can nest in the burners of this and any other grill, and cause the gas to flow improperly. Backed up gas might also ignite and cause a fire around the venturi tubes at the control panel or the side burner. Inspect the grill twice a year and when first taking out in the spring.

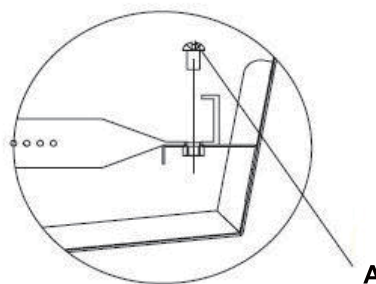
If a flashback occurs, turn off gas at the source immediately.

You must inspect and clean the venturi tubes of main, side and rear burners if any of the following symptoms occur:

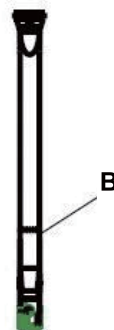
1. You smell gas.
2. Your barbecue does not reach temperature.
3. Barbecue heats unevenly.
4. Burners make popping sounds.
5. Flame is very yellow and lifting over burner.

TO INSPECT AND CLEAN VENTURI TUBES

1. Make sure gas is turned off at cylinder.
2. Wait until grill is cool.
3. Unfasten screw (A) at rear of tubular burner. Notice the gas port holes (B) running across top of burner close to front. When reinstalling, they must be facing upwards. Slide out burner toward rear.
4. Clean through with a flexible spring shaft cleaning venturi brush (not included).
5. Slide back burner tube into housing, ensure burner inlet is aligned and fitted over the valve orifice.
6. Secure burner with screw at rear.



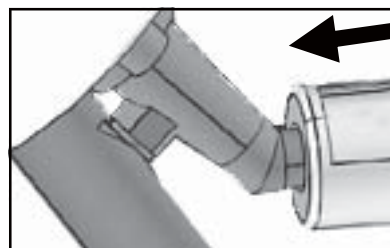
(not provided)



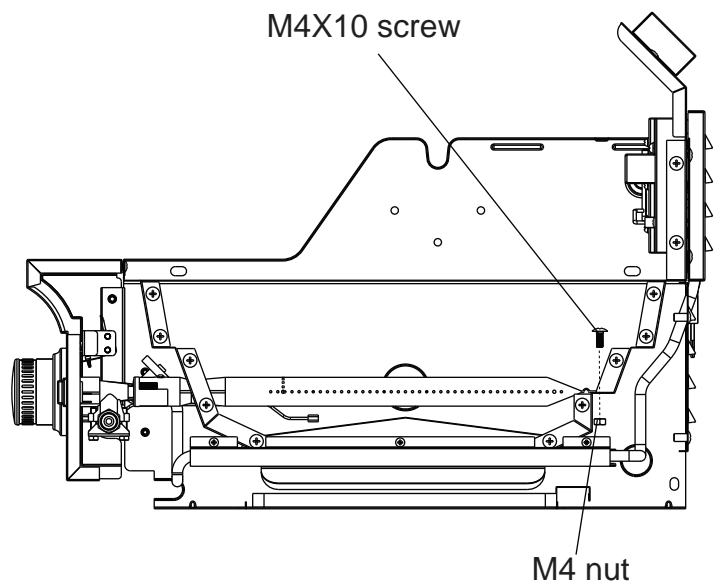
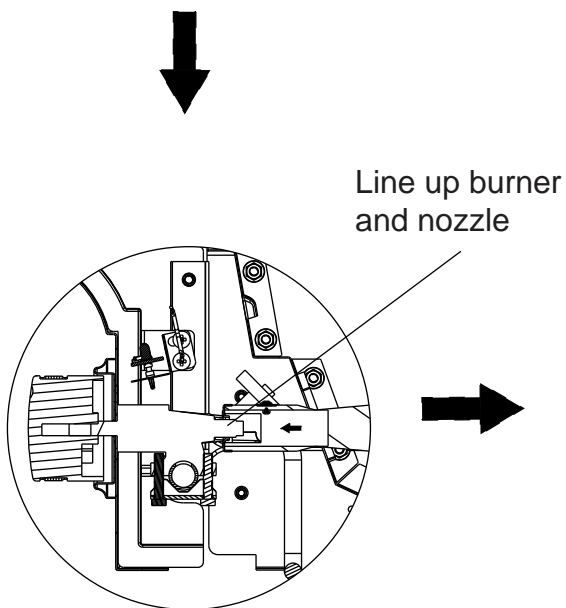
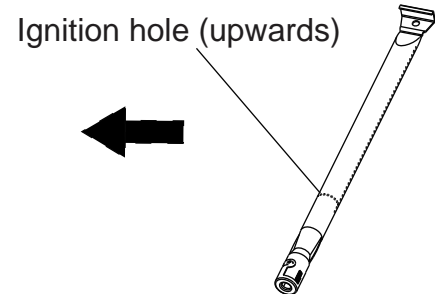
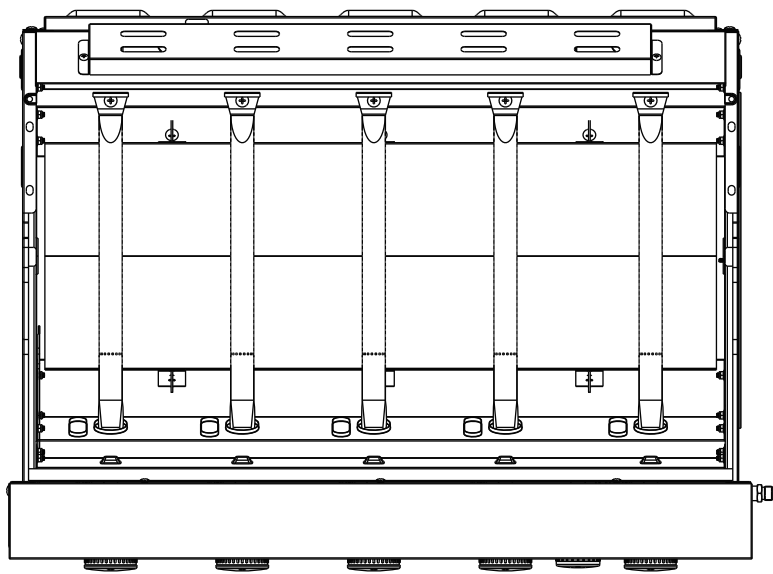
!! WARNING !!



When reinstalling a burner after cleaning, it is very important to make sure the valve orifice is inserted inside the burner tube before lighting the grill. If the valve orifice is not inside the burner tube, a fire or explosion may occur.



HOW TO REPLACE MAIN BURNER



Step 1

Place the main burner onto grill body assembly and cart assembly and make sure the ignition hole face upward and nozzle insert into the main burner tube.

Step 2

Fix one main burner to the grill body and cart assembly with one M4X10 screw and one M4 nut.

TROUBLE SHOOTING

BEFORE CALLING FOR SERVICE

If the grill does not function properly, use the following checklist before contacting your dealer for service. You may save the cost of a service call.

PROBLEM	SOLUTION
When I light the grill, it does not ignite immediately.	<ul style="list-style-type: none">-- Make sure you have turned on the gas.-- Make sure it has a spark while you are trying to ignite the burner.-- Push in control knob and turn to ignite/preheat and hold for approximately 5 seconds and then ignite the grill.-- Make sure your burner is clean.
Regulator makes noise.	<ul style="list-style-type: none">-- Vent hose on the regulator may be plugged or regulator may be faulty.-- Make sure the vent hole on the regulator is not obstructed. Clear the hole, close the LP cylinder and gas control valves. Wait 10 minutes and re-start.-- When turning the LP cylinder valve on, do not cover vent hole on the regulator.-- Check your flames for proper performance. Replace regulator if the flames are not correct.-- Purge The lines.
Grill only heats to 200-300 °F	<ul style="list-style-type: none">-- Ensure the temperature gauge is functioning properly. Hold a flame to the probe or compare the grill gauge to an oven thermometer placed in the grill.-- Ensure correct start procedure. Prior to lighting grill, the gas control knobs should be off. The propane bottle should be turned off. If not, wait 15 minutes. Turn cylinder all the way on. Turn left burner to ignite, wait 5 seconds then ignite. Repeat for additional burners.-- Check all gas connections for leaks with bubble test. If leaks are found, replace the part or tighten the fitting.
Grill takes a long time to preheat.	<ul style="list-style-type: none">-- Normal preheat 500-600 °F takes about 10-15 min. Cold weather and wind may affect your preheat time.-- Volcanic rock and Briquettes should not be used in this BBQ.
Burner flames are not light blue.	<ul style="list-style-type: none">-- Too much or not enough air mixes for the flame.-- Elevation is the principal cause, however cold weather can affect the mixture.-- Grill is in a windy location.

WARRANTY INFORMATION

The appliance has been manufactured under the highest standard of quality and workmanship. We warrant to the original consumer purchaser that all aspects of this product will be free of defects in material and workmanship for one (1) year from the date of purchase. A replacement for any defective part will be supplied free of charge for installation by the consumer. Defects or damage caused by the use of other than genuine parts are not covered by this warranty. This warranty shall be effective from the date of purchase as shown in the purchaser's receipt.

This warranty is valid for the original consumer purchaser only and excludes industrial, commercial or business use of the product, product damage due to shipment or failure which results from alteration, product abuse, or product misuse, whether performed by a contractor, service company, or consumer. We will not be responsible for labor charges and/or damage incurred in installation, repair or replacement, nor for incidental or consequential damage.



Need help?

call our toll free number at:

1 (888)-909-3888 or

1 (888)-922-2336

e-mail us at:

Customerservice@academy.com