

Gasmate®

ORBITOR **BBQ**

Model No. BQ1079

- Includes LCC27 SafeLok regulator & hose
- Powerful 12MJ/h stainless steel burner
- Rotary ignition for easy lighting
- Generous cooking area of 1600cm²
- Satin enamel cast iron cooking surface
- Integrated temperature gauge
- Suitable for camping applications with direct hose and regulator connection to gas cylinders only
- Gas certified to Australian and New Zealand Standards.



SafeLok®

LCC27 REGULATOR SUPPLIED

This LCC27 Regulator can only be used with the new safer industry standard LCC27 Gas Cylinder Connection.

For any queries or assistance call **Customer Service** (Australia Only)

 **1300 174 876**

Hours of operation: Monday to Friday 8am - 5pm EST

Do not return to place of purchase.

Keep your purchase receipt, this will be required to make any claims under the 12 month warranty.

Important: Retain these instructions for future use.

Gasmate® is a registered trademark of:
Sitro Group Australia Pty Ltd www.gasmate.com.au
Aber Living Ltd, N.Z www.gasmate.co.nz

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READ ME FIRST

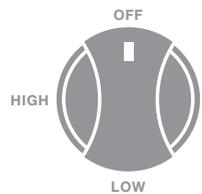
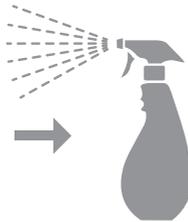
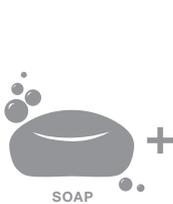
GAS LEAK TESTING

It is important that you leak test the BBQ before first use and every time the gas cylinder is refilled and reconnected to the BBQ.

To Complete Leak Test

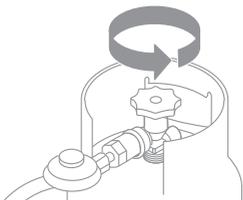
- Make sure the control knob is OFF.
- In a small container, mix up a solution of water and detergent/soap.
- Mix the solution well (about the same concentrate as washing up water).
- Turn the cylinder ON by rotating the knob to open position.
- Using a brush or spray bottle apply the soap solution to the gas line and each join in the gas line including:
 - the gas connection at the inlet of the BBQ
 - all gas hose connections
 - the gas connection at the gas cylinder
- If bubbles appear, there is a gas leak.
- If the leak is at the connection, re-tighten and re-seal.
- If the leak is anywhere else or you cannot resolve the leak by tightening the connection **DO NOT PROCEED**.
- Replace gas hose and regulator.
- Replacement hose and regulators can be purchased from your local BBQ retail specialist.

**DO NOT USE NAKED FLAME FOR LOCATING GAS LEAKS.
IF A LEAK PERSISTS, CALL AN AUTHORISED PERSON.**

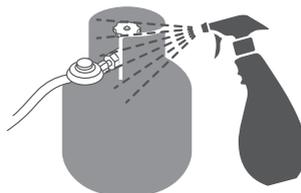


1. Add soap and water to spray bottle or soapy water with brush.

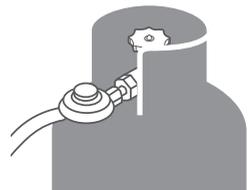
2. Turn off gas valves.



3. Turn gas cylinder on.



4. Spray or apply soapy water on gas connections.



5. If leak is present, bubbles will appear.

GENERAL INFORMATION

NEW LCC27 GAS CYLINDER AND APPLIANCE CONNECTION

This appliance has been supplied with the new safer gas cylinder connection SafeLok LCC27 Type 27 regulator and hose connection.

This connection will only connect to a 4kg or 9kg gas cylinder with an LCC27 Type 27 cylinder valve. This connection will NOT connect (screw) to the old type 21 POL gas cylinder valve.



IMPORTANT

Read these instructions carefully prior to use. Familiarise yourself with the appliance before connecting it to its gas container. Keep these instructions for future reference.



IF YOU SMELL GAS

1. Shut off gas to the barbecue at its source, if possible.
2. Extinguish any open flame.
3. Open hood.
4. If odour continues immediately call your gas supplier or fire department.

Gas Installation Codes

- Barbecues must be used in accordance with the installation requirements of your gas supply authority, or the Australian Standard AS 5601.
- Barbecues for use with bottled gas are labelled 'propane gas' or 'Universal L.P.G'.
- Barbecues for use with natural gas are labelled 'natural gas' and must be installed by an authorised person. Check the gas type sticker attached to the barbecue.

Clearances

Minimum Clearances from combustible materials must be:

Rear	300mm
Sides	300mm
Above	1000mm

Specifications

Barbecue specifications can be found on the data label attached to the barbecue body.

Hose connection thread is 5/8"-18 UNF.

Hose & Regulator Safety

The regulator and hose assembly supplied with the barbecue are suitable for Propane Gas or Universal L.P.G. only.

A gas regulator adjusted to have an outlet pressure of 2.75kPa is supplied for connection to the propane gas cylinder. The pressure regulator and hose assembly supplied with the barbecue must be used. Replacement pressure regulators and hose assemblies must be those specified by the barbecue manufacturer.

When connecting the hose and regulator assembly to the gas cylinder, take care to avoid unnecessary twisting of the flexible hose.

After the assembly has been secured, turn on the gas and check for leaks by brushing a soap and water solution over all connections.

If you are unable to correct the leak by tightening the connections, turn off the gas and contact the supplier immediately.

Always ensure the barbecue is kept away from flammable materials and the gas cylinder clear of any heat source.

When changing over from an empty gas cylinder to a full one make sure this procedure is carried out in a well ventilated location, preferably outside, away from people and away from any sources of ignition; such as naked flames, pilot flames, electric heaters/equipment.

Gas Cylinder Use & Safety

This is a low pressure barbecue and must only be used with the regulator supplied. Your barbecue is designed for use with 4.5Kg or 9Kg propane gas cylinders certified to AS 2469.

The gas cylinder should be filled by a reputable gas supplier and visually inspected and re-qualified at each filling.

Always keep cylinder in an upright position. Always close the cylinder valve when the barbecue is not in use.

Do not subject gas cylinder to excessive heat.

Never Store your Gas Cylinder Indoors.

If you store your barbecue indoors, ALWAYS disconnect the gas cylinder first and store the cylinder safely outside.

Cylinders must be stored outdoors in a well ventilated area out of reach of children, and must not be stored in a building, garage or any other enclosed area.

GENERAL INFORMATION



FOR YOUR SAFETY

Failure to comply with these instructions could result in a fire or explosion which could cause serious bodily injury, death or property damage.

CAUTION:

Accessible parts may be very hot.

Keep young children away.

DO NOT modify this appliance.

DO NOT move this barbecue during use.

Turn off gas supply at the gas cylinder after use.

Parts sealed by the manufacturer or their agent must not be manipulated by the user. This barbecue is only to be used and stored outdoors.

- Never operate this barbecue without a regulator.
- Do not test for gas leaks with an open flame.
- If this information is not followed exactly a fire causing death or serious injury may occur. Do not store a spare gas cylinder under or near this barbecue. This barbecue is only to be used and stored outdoors.
- If there is a leak on your appliance (smell of gas) immediately attempt to turn off the cylinder valve. Remove the appliance to a well ventilated location away from any ignition source. Only check for leaks outdoors using soapy water. DO NOT try to detect leaks using a flame.
- Check for leaks by brushing a soap and water solution over all connections. If you are unable to correct the leak by tightening the connections, turn off the gas and contact customer service immediately.
- Only use the hose assembly as supplied with this appliance for connection to the cylinder – DO NOT USE ADAPTERS.
- Maximum hose length – 600mm.
- After use turn the gas cylinder valve off, wait for the flame to go out, then turn the appliance control valve off.
- Avoid twisting or kinking the flexible hose.
- Do not store or use petrol or other flammable liquids in the vicinity of this or any other appliance.
- Do not store empty or full spare gas cylinders under or near this or any other appliance.
- Never test for gas leaks with a lit match or open flame. Never light barbecue with hood closed or before checking to ensure the burner tubes are fully seated over gas valve orifices.
- Never lean over cooking surface when lighting.
- Never alter or modify the regulator or gas supply assembly.
- This barbecue must not be used indoors.
- Only use in well ventilated areas.
- CARBON MONOXIDE HAZARD – USING THIS APPLIANCE IN AN ENCLOSED SPACE MAY CAUSE DEATH. DO NOT USE IN CARAVANS, TENTS, MARINE CRAFT, CARS, MOBILE HOMES OR SIMILAR LOCATIONS.
- This appliance shall only be used in an above ground open-air situation with natural ventilation, without stagnant areas, where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.
- Ensure the barbecue is set up on a level and stable surface.
- DO NOT move the barbecue while in use or when hot. Remove the drip tray before moving.
- DO NOT replace the grill with an extra hotplate. The warranty will be voided and it violates the gas approval, the grill provides the ventilation needed for the BBQ to operate safely. It is not designed to be a solid hotplate device.

- DO NOT connect your appliance to a gas cylinder exceeding 9kg capacity.
- Never connect an unregulated gas cylinder to your appliance.

IF THERE IS A LEAK

- Turn the cylinder off.
- Ventilate the area to disperse gas.
- Check all connections.
- If leak persists, keep the cylinder upright. Keep skin away from any gas or liquid escaping from the cylinder.
- Keep the cylinder at least 20 metres away from any sparks or ignition sources, including electrical equipment, camera flashes, engines and motors.
- Disperse gas by encouraging maximum ventilation and spraying with a fine water spray.

IF THERE IS A FIRE

- If the fire is at the barbecue, turn the gas off at the cylinder. Smother the flames with a wet cloth, fire blanket or extinguish using a fire extinguisher.
- If the fire is at the cylinder, or you can not get to the valve to turn the gas off, contact the fire brigade immediately.
- Using a garden hose, direct the water to the middle of the cylinder to keep it cool. Try not to extinguish the flame. At least if the gas is burning, it won't be able to build up pressure and explode.

Keep children away from barbecue during use and until barbecue has cooled after you have finished. Do not allow children to operate barbecue.

Always ensure that no sporting or physical activities are carried out in close proximity to the barbecue during use and while still hot.

Tools You Will Need

Adjustable spanner, Phillips head screwdriver.

Check Barbecue for any Damage

Inspect barbecue parts as you proceed. Contact your supplier for assistance regarding replacement of any damaged or missing parts. Do not assemble or operate a barbecue that appears damaged. Barbecues for use with gas cylinders are labelled 'Propane Gas' or 'Universal L.P.G'.

This appliance is designed to use a LCC27 gas cylinder.

IT MAY BE HAZARDOUS TO ATTEMPT TO FIT OTHER TYPES OF GAS CONTAINERS.

Check labelling at the gas connection on your barbecue.



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Nominal Hourly Gas Consumption

	Main Burner
Gas Type	U.L.P.G
Inj. Size	0.90 mm
Gas Cons.	12 MJ/h
Gas Pressure	2.75 kPa

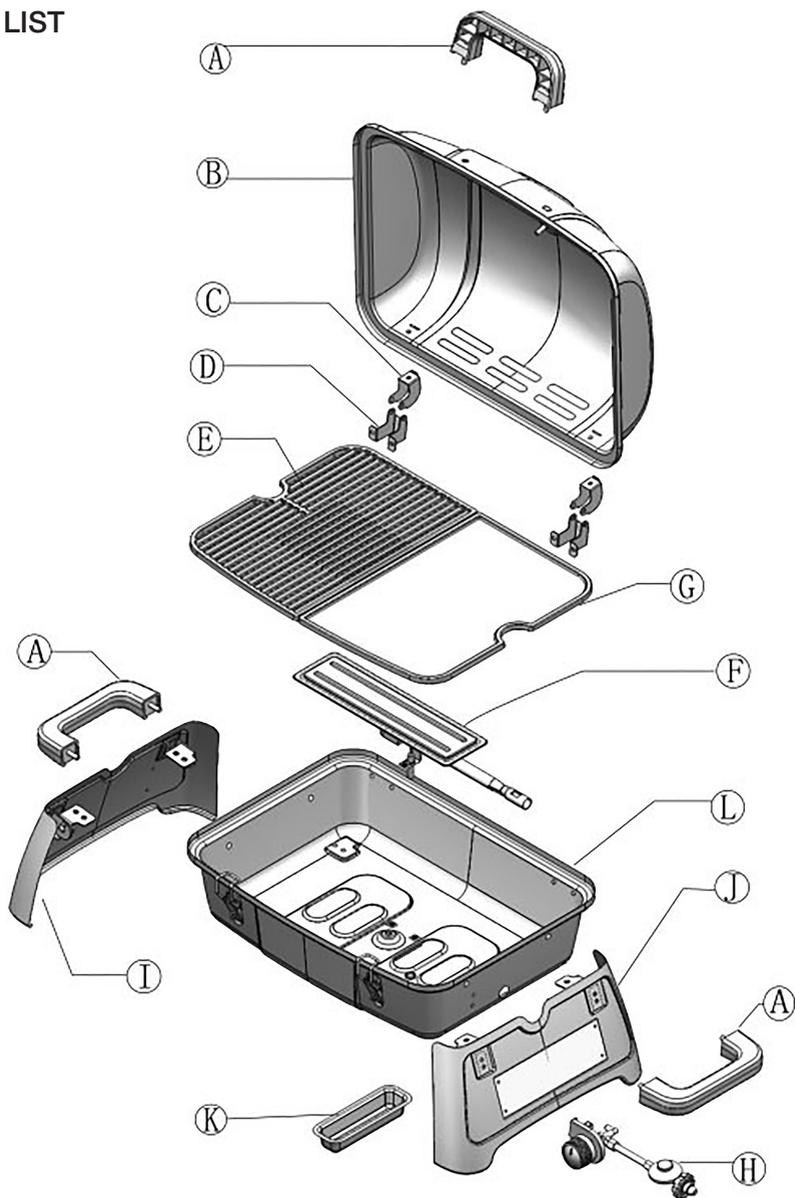
Location of your Barbecue

DO NOT use your barbecue in garages, porches, sheds, breezeways, or other enclosed areas. Your barbecue is to be used OUTDOORS. The barbecue is not intended to be installed in or on recreational vehicles and/or boats and should not be placed under any surface that will burn.

Do not obstruct the flow of combustion and ventilation air around the barbecue housing.

Protect Children

PARTS LIST



Part	Description	Qty
A	Handle	3
B	Lid	1
C	Lid Hinge	2
D	Bowl Hinge	2
E	Cooking Grate	1

F	Burner	1
G	Cooking Plate	1
H	Valve & Regulator	1
I	Left Leg	1
J	Right Leg	1
K	Fat Cup	1

HARDWARE LIST

AA: 1 PC	BB: 16 PCS	CC: 16 PCS
		
Wrench	M5 × 10 Bolt	M5 Spring washer
DD: 16 PCS	EE: 14 PCS	FF: 1 PC
		
Flat Washer	M5 Nut	M6 x 7 Bolt
GG: 7 PCS	HH: 7 PCS	II: 6 PCS
		
M6 Spring washer	Flat washer	M6 Nut
JJ: 1 PC	KK: 2 PCS	LL: 2 PCS
		
Screw driver	R pin	Lid pin

Hardware listed above is not scaled to exact size. A screwdriver is required on assembly and is included for your convenience.

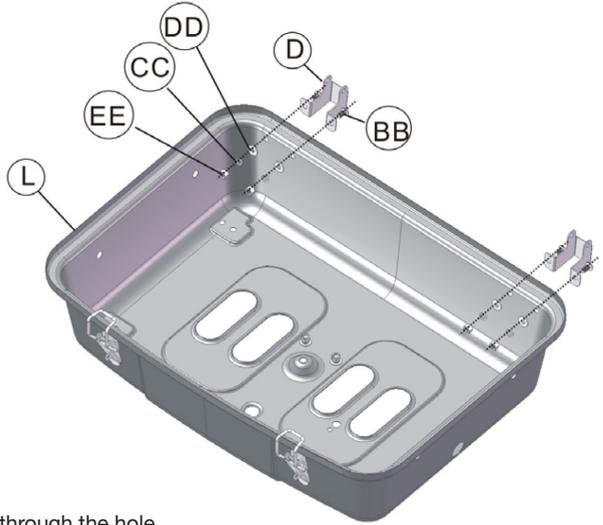
ASSEMBLY INSTRUCTIONS

Remove any transit protection material. Estimated Assembly Time: 20 minutes.

STEP 1

- Align the holes on the right back side of body assembly (L) with the holes on the lower hinge (D).
- Insert one bolt (BB) into the pre-drilled hole, sealing it with one flat washer (DD) one spring washer (CC) and one nut (EE).
- Repeat the procedure for the left back side of body assembly.
- Go back and tighten all the bolts using the screwdriver provided.

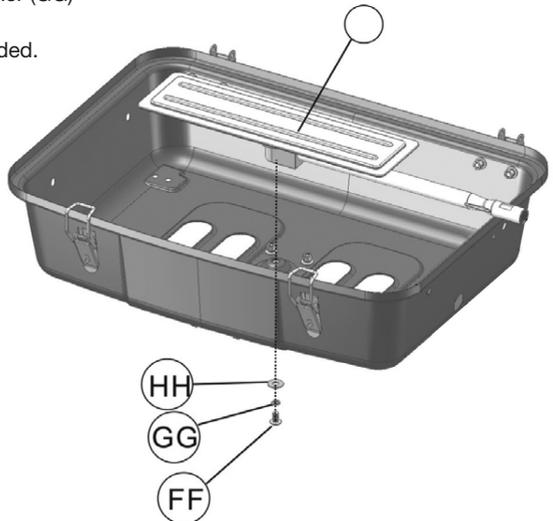
BB	M5 x 10 Bolt	4 PCS
DD	Flat Washer	4 PCS
CC	M5 Spring Washer	4 PCS
EE	M5 Nut	4 PCS



STEP 2

- Insert the venturi side of the burner (F) through the hole on the right side of body.
- Align the pre-drilled hole under the burner with the hole on the bottom of body.
- Insert one flat washer (HH), one spring washer (GG) and one bolt (FF) into the pre-drilled hole.
- Tighten the bolt using the screwdriver provided.

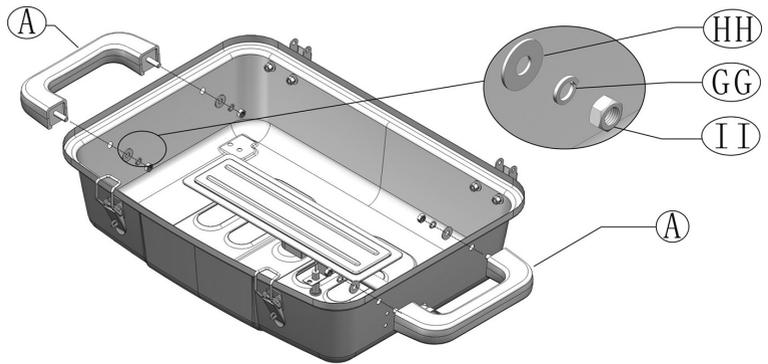
HH	Flat Washer	1 PC
GG	Spring Washer	1 PC
FF	M6 x 7 Bolt	1 PC



Step 3

- Insert the bolts on left handle (A) into each pre-drilled hole and seal one flat washer (HH), one spring washer (GG), and one nut (II) in sequence.
- Repeat the procedure for the right handle (A).
- Tighten all the nuts using the wrench provided.

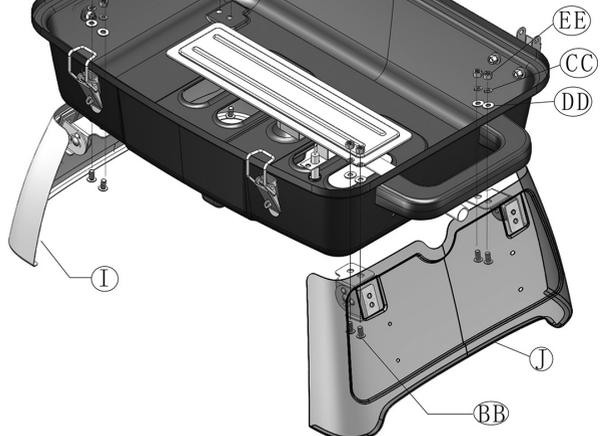
HH	Flat Washer	4 PCS
GG	Spring Washer	4 PCS
II	M6 Nut	4 PCS



STEP 4

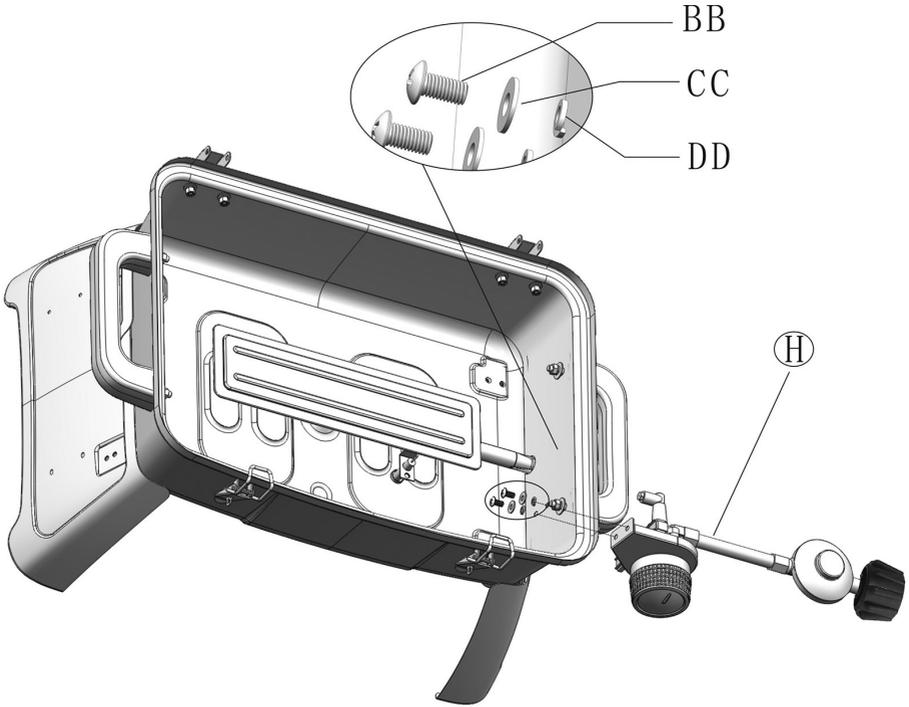
- Align the holes on the lower right front side and lower right back side of the body assembly with the holes on the right leg (J).
- Insert one bolt (BB) into each pre-drilled hole and seal it with one flat washer (DD), one spring washer (CC) and one nut (EE).
- Repeat the procedure for the left leg (I).
- Go back and tighten all the bolts using the screwdriver provided.

BB	M5 X 10 Bolt	8 PCS
DD	Flat Washer	8 PCS
CC	M5 Spring Washer	8 PCS
EE	M5 Nut	8 PCS



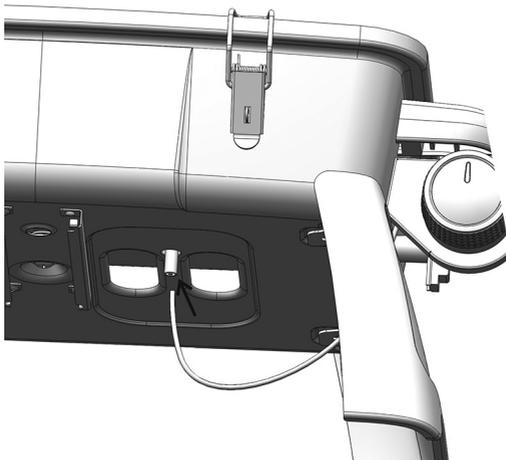
STEP 5

Attach the gas valve assembly ensuring the injector is located into the burner tube before securing with the hardware as shown.



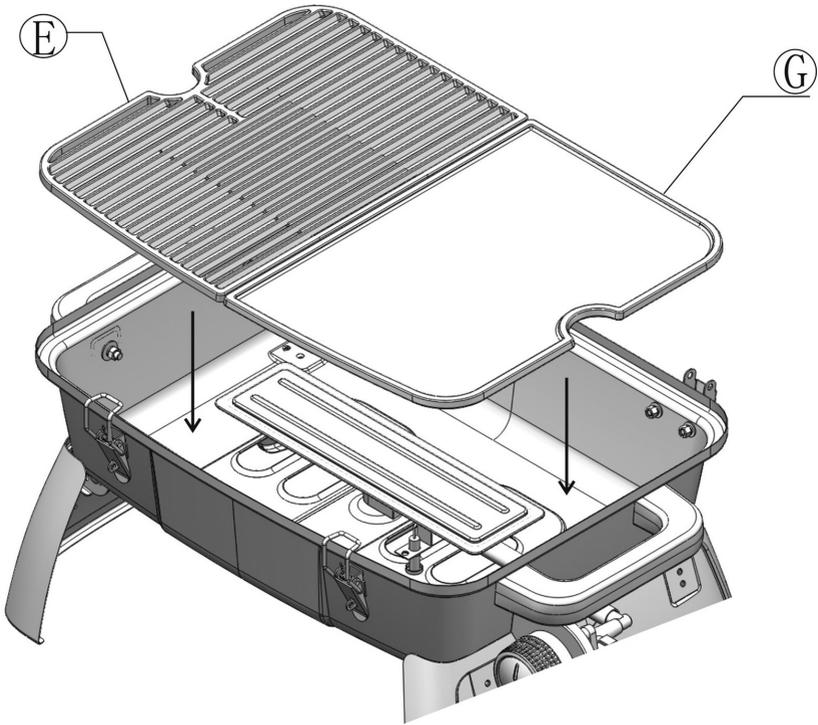
STEP 6

Insert the ignition cable into the electrode underneath the fire box as shown.



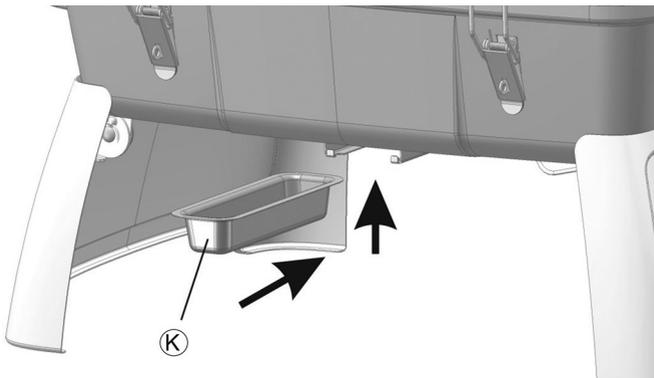
STEP 7

Position the hot plate and grate as shown.



STEP 8

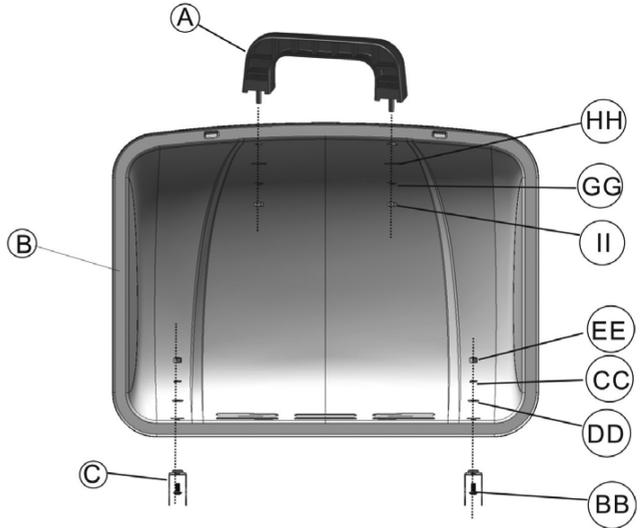
Slide the fat cup into the guides as shown.



STEP 9

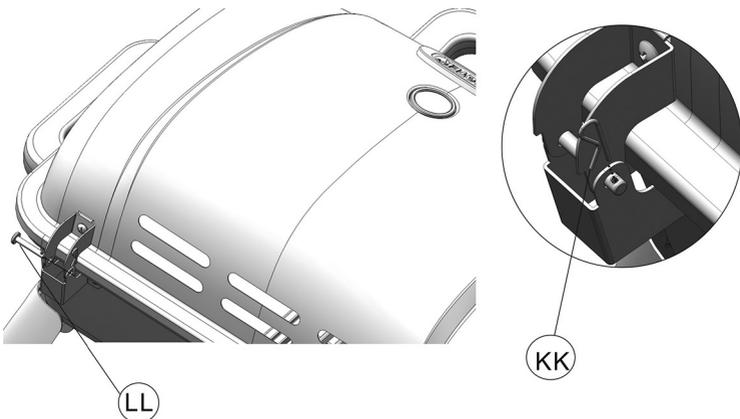
- Insert the pre-attached bolts on the lid handle (A) into the holes on the front of the lid and seal with one flat washer (HH), one spring washer (GG) and one nut (II).
- Align the holes on the back side of lid with the holes on the upper hinge (C).
- Insert one bolt (BB) into each pre-drilled hole and seal with one flat washer (DD), one spring washer (CC) and one nut (EE).
- Go back and tighten all the bolts using the screwdriver provided.

BB	M5 X 10 Bolt	2 PCS
DD	Flat Washer	2 PCS
CC	M5 Spring Washer	2 PCS
EE	M5 Nut	2 PCS
HH	Flat Washer	2 PCS
GG	Spring Washer	2 PCS
II	M6 Nut	2 PCS



STEP 10

Insert one lid pin (LL) into each hinge hole and secure with one R pin (KK) as shown.



GENERAL INFORMATION

CONNECTING & DISCONNECTING TO GAS SOURCE

Familiarise yourself with the general information and safety guidelines located at the front of this manual.

Check

1. Gas cylinder is filled.
2. The burner control is in the 'OFF' position

Connecting

1. Ensure valve is in OFF position.
2. Check for any damage to the cylinder connection.
3. Attach the regulator to the cylinder valve.
4. Use a soapy water solution to check the joint. If bubbles appear the connection will need to be re-tightened.



IMPORTANT

- **IMPORTANT:** Before connecting and disconnecting barbecue to gas source, make sure burner controls are in 'OFF' position.
- **CAUTION:** When the barbecue is not in use, the gas cylinder must be disconnected.
- Check that the seals between the appliance and the gas cylinder are in place and in good condition before connecting the gas cylinder.
- Do not use this appliance if it has damaged or worn seals.
- **NOTE:** If for some reason, ignitor fails to produce a spark at the electrode, barbecue can be lit by a long barbecue match with hood open insert the match into a hole on the underside of the barbecue and turn gas control to high.
- Check performance of burner prior to installing barbecue plates.
- Do not smoke when attempting to ignite barbecue.
- Never use volcanic rock, heat beads or other material.
- Always use protective gloves when handling hot components.

LIGHTING PROCEDURE

Burner Operation & Ignition System Check

1. With cylinder valve in 'OFF' position check the Piezo igniter by pushing in and rotating the control knob anti-clockwise. Check for sparking to the burner.
2. If spark is not evident at the burner ignition point, check that the ignition lead is firmly attached to the control and sparker tip.
3. With sparking established open the cylinder valve, push and turn the control knob to 'HIGH'.
4. If the burner fails to light after several attempts turn off gas and inspect for obstructions to gas flow.
5. If re-ignition is necessary while the gas barbecue is still hot, you must wait for a minimum of 5 minutes before commencing to re-ignite (this allows accumulated gas fumes to clear).

Overall Barbecue Dimensions

Length	Width	Height
650mm	360mm	370mm

OPERATION

BURNER OPERATION & IGNITION SYSTEM CHECK

Problem	Possible Reason	Solution
Burner will not ignite	Control knob is closed	Turn knob to high when lighting
	Piezo igniter is faulty	Use a long barbecue match inserted through the hole on under side of barbecue
Food is not cooking or is taking too long	Burner has gone out	Check that the gas bottle is not empty and re-ignite the burner
	Cooking surface was not given enough time to warm up before the food was applied	Remove the food and give the burner time to warm the cooking surface (5-10 mins)
	There is too much food on the cooking surface	Cook smaller portions

OPERATING PROCEDURE

Cooking

The control knob can be turned from 'HIGH' to 'MED' or 'LOW' depending on the heat required.

With the hood down the burner must only be used on 'LOW'.

Servicing

Servicing should be conducted every year or sooner if required.

The appliance must only be serviced by an authorised person.



IMPORTANT

The hood must be in the open position for lighting.

Do not smoke at any time when attempting to ignite the barbecue burners.

Do not leave the barbecue unattended when alight.

CARE & MAINTENANCE

As with all appliances, proper care and maintenance will keep them in top operating condition and prolong their life. Your new gas barbecue is no exception. By following these cleaning procedures on a timely basis, your barbecue will be kept clean and working properly with minimum effort.

Spiders and small insects occasionally spin webs or make nests in the burner tubes during warehousing and transit.

These webs can lead to a gas flow obstruction which could result in a fire in and around the burner tubes. Cleaning with a soft brush before use and at least every six months is recommended.

This type of fire is known as 'FLASH-BACK' and can cause serious damage to your barbecue and create an unsafe operating condition for the user. Although an obstructed burner tube is not the only cause of 'FLASH-BACK' it is the most common cause and frequent inspection and cleaning of the burner tubes is necessary.

Flash-Back

If fire occurs in and around the burner, immediately turn off gas at its source and turn the burner control to 'OFF', wait until the barbecue has cooled, then clean the burner tubes and burner ports.

Cleaning the Cooking Surface

After cooking, turn burner control to 'OFF' and let barbecue cool before attempting to clean the grill plate or grate. Before first use and periodically, it is suggested that you wash the grill plate and grate in a mild soap and warm water solution.

Care of Cooking Surface

Use and care of the cooking surface is important. Do not use pans on the cooking surface. Do not overheat the cooking surface with the hood down or no food on the cooking surface.

Cleaning the Drip Tray

To avoid fat or grease dripping from the barbecue remove and empty the drip tray after each use. Wait until the drip tray is cool to touch before disposing of contents.

The drip tray should be washed periodically in a mild detergent and warm water solution.



IMPORTANT

- Beware of spiders and wasps. Burner tube should be inspected and cleaned periodically.
- This appliance must only be serviced by an authorised person.
- To avoid any flare-ups, it is recommended that the drip tray be checked and emptied regularly. Contents of the drip tray may be very hot during cooking. If emptied during extended cooking extreme caution should be taken and direct contact by hand should be avoided at all times. Allow to cool completely before disposing of the contents.

SAFE APPLIANCE LOCATIONS

This appliance shall only be used in an above ground open-air situation with natural ventilation, without stagnant areas, where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.

Any enclosure in which the appliance is used shall comply with the following:

An enclosure with walls on all sides, but at least one permanent opening at ground level and no overhead cover.

Within a partial enclosure that includes an overhead cover and no more than two walls.

Within a partial enclosure that includes an overhead cover and more than two walls, the following will apply:

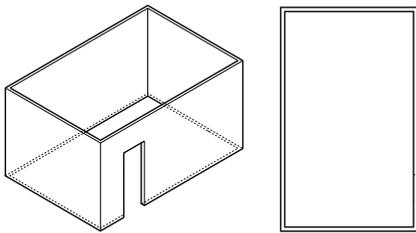
- at least 25% of the total wall area is completely open, and
- at least 30% of the remaining wall area is open and unrestricted.

In the case of balconies, at least 20% of the total wall area shall be and remain open and unrestricted.

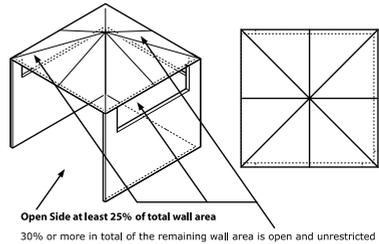
DIAGRAMMATIC REPRESENTATIONS OF OUTDOOR AREAS

The following figures are diagrammatic representations of outdoor areas.

Rectangular areas have been used in these figures – the same principles apply to any other shaped area.

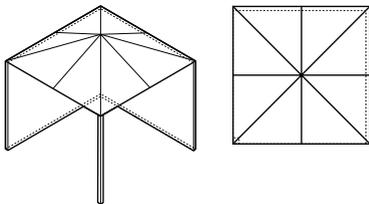


Outdoor Area - Example 1

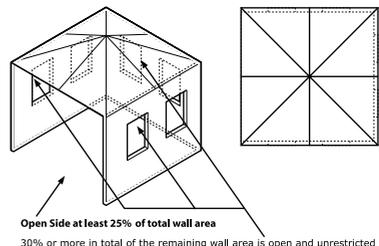


Open Side at least 25% of total wall area
30% or more in total of the remaining wall area is open and unrestricted

Outdoor Area - Example 4

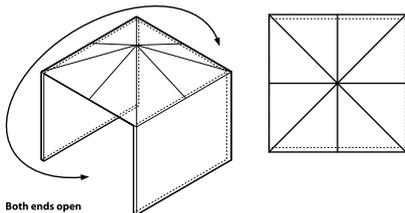


Outdoor Area - Example 2



Open Side at least 25% of total wall area
30% or more in total of the remaining wall area is open and unrestricted

Outdoor Area - Example 5



Both ends open

Outdoor Area - Example 3