QUASAR HOODED TROLLEY BBQ RANGE

Model No. BQ3471 (4 Burner), BQ3473 (6 Burner),
BQ3475 (PRO 4 Burner), BQ3477 (PRO 6 Burner)
BQ3471W (PLUS 4 Burner)



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

⚠ OUTDOOR USE ONLY

Important: Retain these instructions for future use.

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GENERAL INFORMATION

IMPORTANT:

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

GAS INSTALLATION CODES

- Barbecues must be used in accordance with the installation requirements of your gas supply authority, or the appropriate installation code detailed in the current revision of AS/NZS 5601.
- Barbecues for use with bottled gas are labelled 'Propane Gas.
- 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.
- Do not install in, or connect to the consumer piping or gas supply system of a boat or caravan.

CLEARANCES

Minimum Clearances from combustible materials must be:
Rear - 600mm Sides - 600mm Above - 1500mm

SPECIFICATIONS

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

HOSE & REGULATOR SAFETY

The regulator and hose assembly supplied with the barbecue are suitable for LPG only.

A gas regulator adjusted to have an outlet pressure of 2.75kPa is supplied for connection to the LPG 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 or kinking 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 flame free atmosphere.

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 hose and regulator supplied. Your barbecue is designed for use with 9Kg LPG cylinders certified to AS2469.

The gas cylinder should be filled by a reputable gas supplier and visually inspected and requalified at each filling. Always check the cylinder collar for the test data status before use.

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.

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.

SPECIFICATIONS

MODEL NO.	BURNER	PROPANE		NATURAL GAS		GAS CONSUMPTION	
		PRESSURE	INJECTOR ORIFICE	PRESSURE	INJECTOR ORIFICE	PER BURNER	TOTAL
BQ3471 BQ3471W	Main Burner (4)	2.75 kPa	Ø 0.9mm	1.0 kPa	Ø 1.48mm	10.8MJ/h (x4)	54.7MJ/h
	Side Burner (1)		Ø 0.92mm		Ø 1.55mm	11.5MJ/h	
BQ3473	Main Burner (6)		Ø 0.9mm		Ø 1.48mm	10.8MJ/h (x6)	76.3MJ/h
	Side Burner (1)		Ø 0.92mm		Ø 1.55mm	11.5MJ/h	
BQ3475	Main Burner (4)		Ø 0.9mm		Ø 1.48mm	10.8MJ/h (x4)	63.7MJ/h
	Side Burner (1)		Ø 0.92mm		Ø 1.55mm	11.5MJ/h	
	Rear Burner (1)		Ø 0.85mm		Ø 1.40mm	9.0MJ/h	
BQ3477	Main Burner (6)		Ø 0.9mm		Ø 1.48mm	10.8MJ/h (x6)	88.3MJ/h
	Side Burner (1)		Ø 0.92mm		Ø 1.55mm	11.5MJ/h	
	Rear Burner (1)		Ø 0.98mm		Ø 1.60mm	12.0MJ/h	

Detail on your specific model can be found on the data label attached to the BBQ body.

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

WARNING

The BBQ comes setup for use with Propane gas. Conversion to Natural Gas MUST only be done by a licensed gas fitter.

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 spray aerosols in the vicinity of this appliance while in operation.

DO NOT use or store flammable materials in or near this appliance.

DO NOT place articles on or against this appliance.

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 spraying a soapy 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 AN ADAPTER AT THE CYLINDER CONNECTION.
- After use, turn the appliance control knobs off, wait for the flame to go out then turn the gas cylinder 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.

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.

LOCATION OF YOUR BARBECUE

DO NOT use your barbecue in garages, porches, breezeways, sheds 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

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.

GENERAL ASSEMBLY

Remove the barbecue and components from the packing carton. Check against parts list and lay components out within easy reach. Do not throw the carton away, unfold flat and use as a protective work surface. Contact your supplier for replacement parts if necessary.

TOOLS YOU WILL NEED

Standard Phillips-head screw driver (or cordless drill and bits), an Adjustable spanner and scissors.

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'. Check labelling at the gas connection on your barbecue.

ASSEMBLY INSTRUCTIONS

Before assembling the barbecue, read these Instructions carefully.

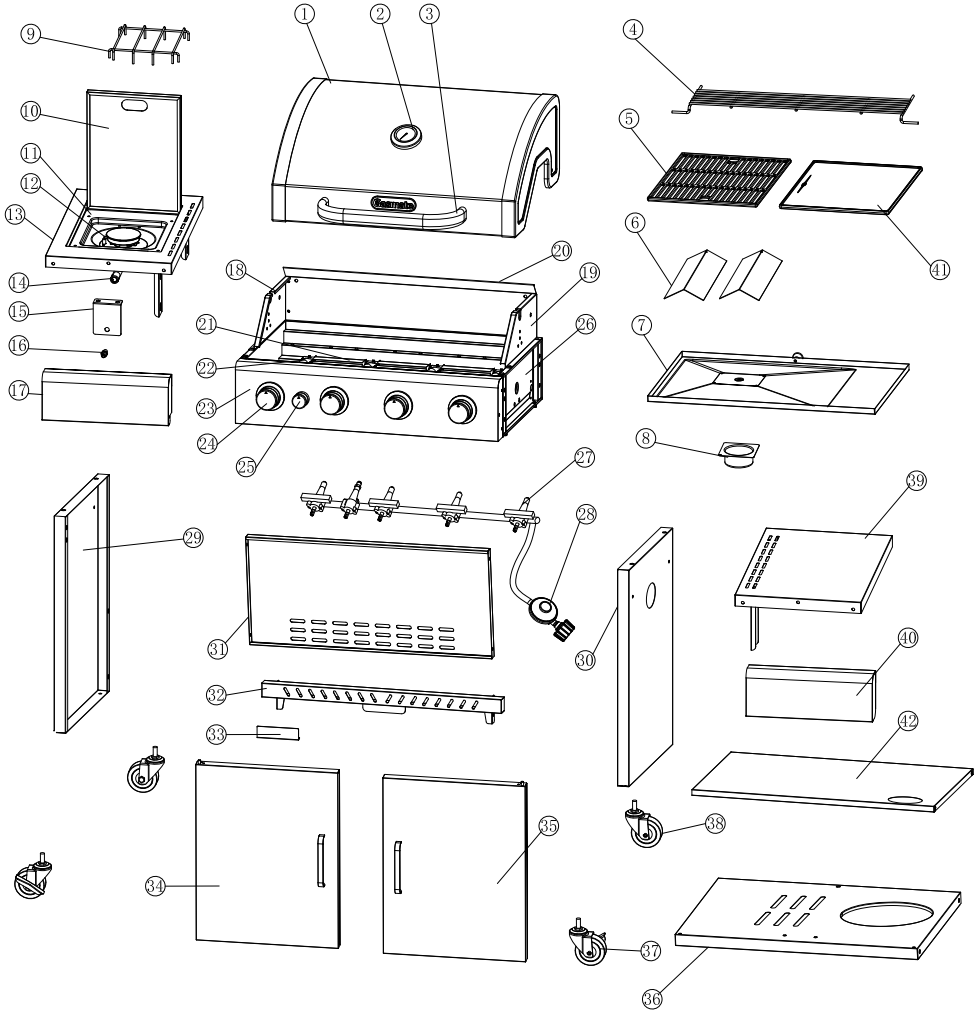
Assemble the barbecue on a flat, clean surface.

The barbecue is heavy.

NOTE: Do not fully tighten all the nuts during the initial stages of assembly.

Caution: Sheet metal can cause injury. Wear gloves when assembling the barbecue.

QUASAR 4 EXPLODED DRAWING

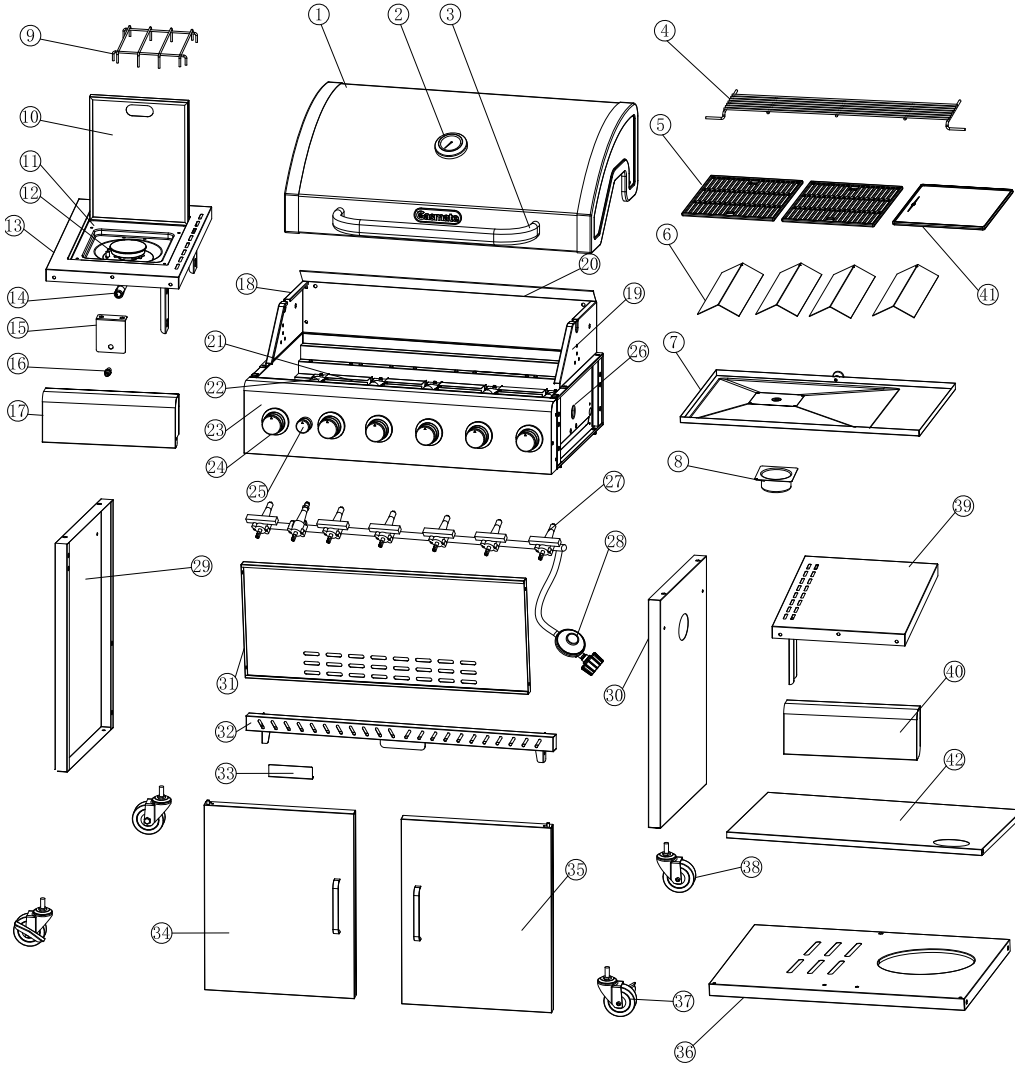


QUASAR 4 PARTS LIST

No.	Description	QTY
1	Hood	1
2	Thermometer	1
3	Hood handle	1
4	Warming rack	1
5	Cooking grill	1
6	Heat tent	2
7	Grease tray	1
8	Grease cup	1
9	Trivet	1
10	Side burner cover	1
11	Soup tray	1
12	Side burner electrode	1
13	Side burner table assembly	1
14	Side burner	1
15	Side burner nozzle fixing bracket	1
16	Side burner nozzle assembly	1
17	Side table left decoration panel assembly	1
18	Rear hood left side panel	1
19	Rear hood right side panel	1
20	Rear hood panel	1
21	Cross fire	3

No.	Description	QTY
22	Burner assembly	4
23	Control panel assembly	1
24	Main control knob	4
25	Side burner control knob	1
26	Firebox assembly	1
27	Manifold assembly	1
28	Regulator & Hose assembly	1
29	Left side panel	1
30	Right side panel	1
31	Back panel	1
32	Door beam	1
33	Door stopper	1
34	Left door assembly	1
35	Right door assembly	1
36	Bottom shelf	1
37	Caster with brake	2
38	Caster without brake	2
39	Side table assembly	1
40	Side table left decoration panel assembly	1
41	Hot plate	1
42	Top shelf	1

QUASAR 6 EXPLODED DRAWING

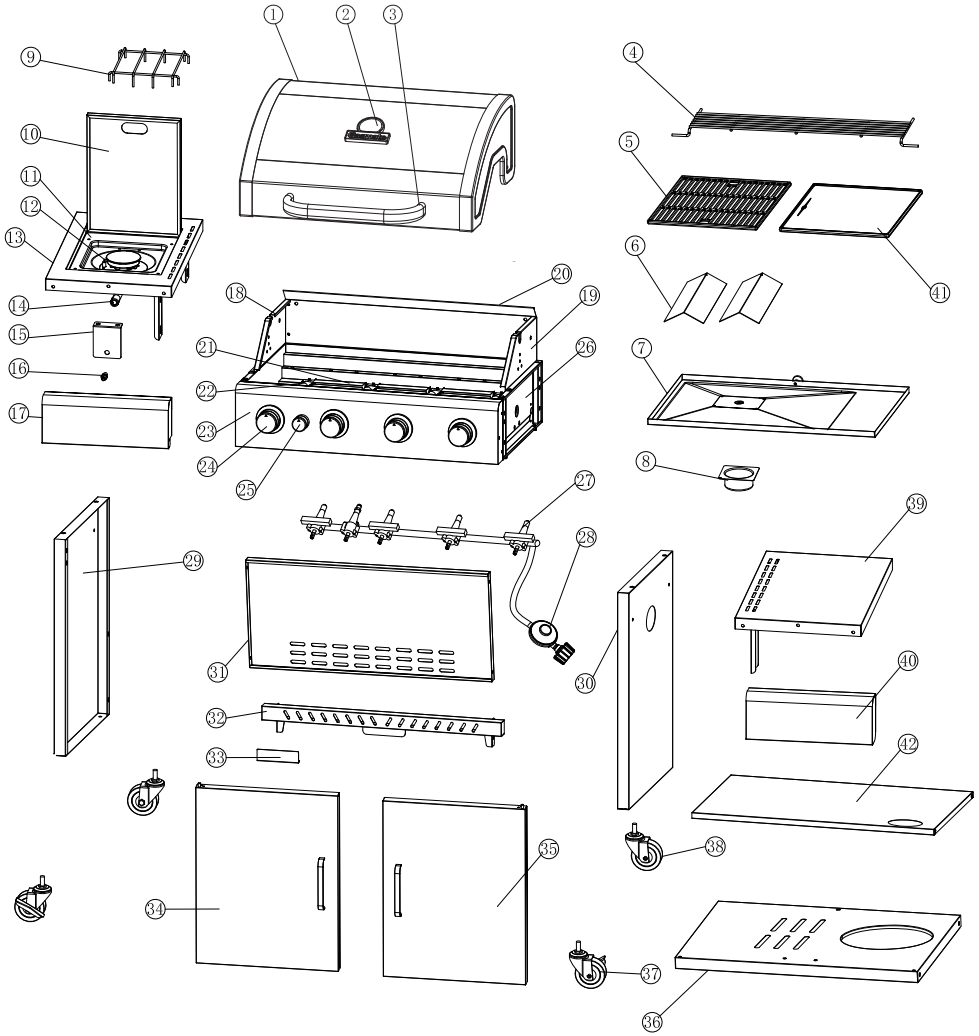


QUASAR 6 PARTS LIST

No.	Description	QTY
1	Hood	1
2	Thermometer	1
3	Hood handle	1
4	Warming rack	1
5	Cooking grill	2
6	Heat tent	4
7	Grease tray	1
8	Grease cup	1
9	Trivet	1
10	Side burner cover	1
11	Soup tray	1
12	Side burner electrode	1
13	Side burner table assembly	1
14	Side burner	1
15	Side burner nozzle fixing bracket	1
16	Side burner nozzle assembly	1
17	Side table left decoration panel assembly	1
18	Rear hood left side panel	1
19	Rear hood right side panel	1
20	Rear hood panel	1
21	Cross fire	5

No.	Description	QTY
22	Burner assembly	6
23	Control panel assembly	1
24	Main control knob	6
25	Side burner control knob	1
26	Firebox assembly	1
27	Manifold assembly	1
28	Regulator & Hose assembly	1
29	Left side panel	1
30	Right side panel	1
31	Back panel	1
32	Door beam	1
33	Door stopper	1
34	Left door assembly	1
35	Right door assembly	1
36	Bottom shelf	1
37	Caster with brake	2
38	Caster without brake	2
39	Side table assembly	1
40	Side table left decoration panel assembly	1
41	Hot plate	1
42	Top shelf	1

QUASAR 4 PLUS EXPLODED DRAWING

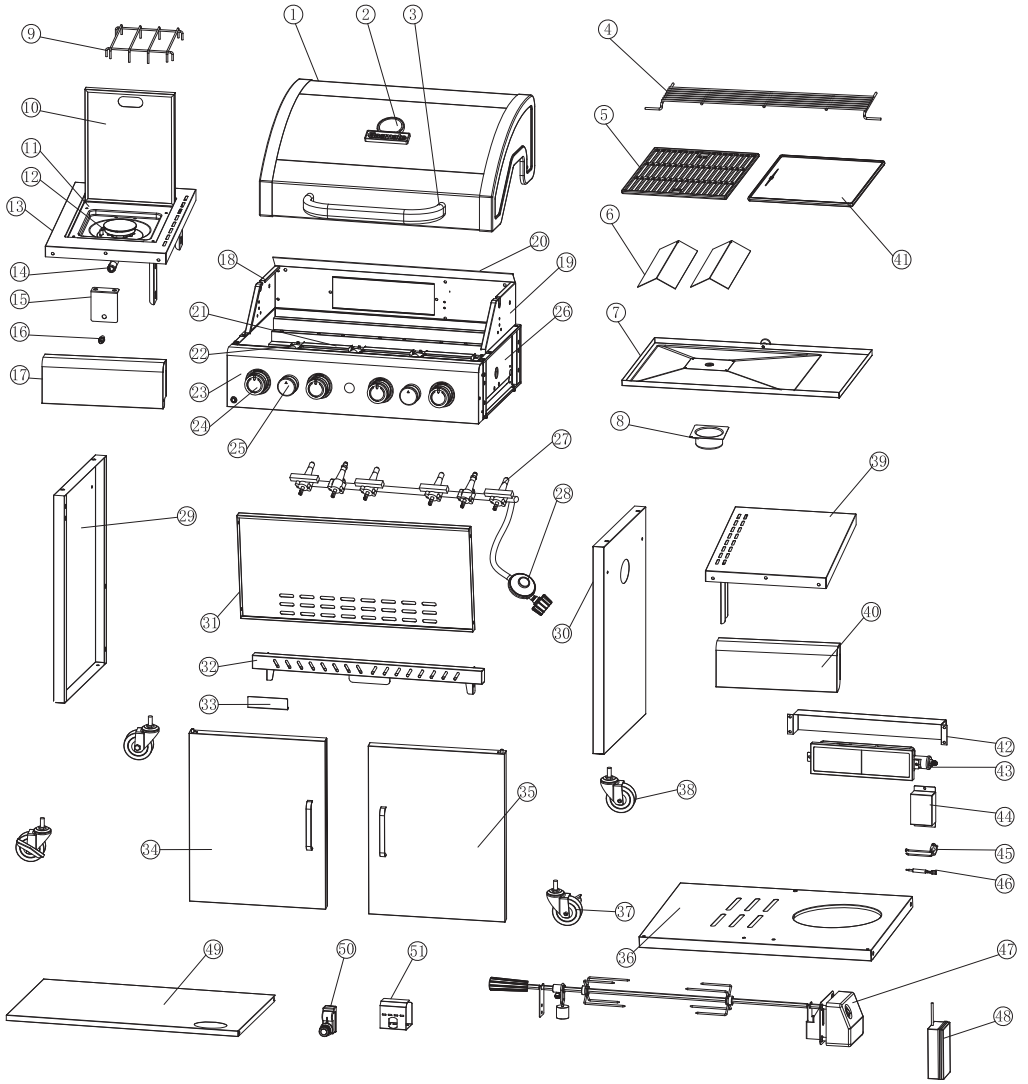


QUASAR 4 PLUS PARTS LIST

No.	Description	QTY
1	Hood	1
2	Thermometer	1
3	Hood handle	1
4	Warming rack	1
5	Cooking grill	1
6	Heat tent	2
7	Grease tray	1
8	Grease cup	1
9	Trivet	1
10	Side burner cover	1
11	Soup tray	1
12	Side burner electrode	1
13	Side burner table assembly	1
14	Side burner	1
15	Side burner nozzle fixing bracket	1
16	Side burner nozzle assembly	1
17	Side table left decoration panel assembly	1
18	Rear hood left side panel	1
19	Rear hood right side panel	1
20	Rear hood panel	1
21	Cross fire	3

No.	Description	QTY
22	Burner assembly	4
23	Control panel assembly	1
24	Main control knob	4
25	Side burner control knob	1
26	Firebox assembly	1
27	Manifold assembly	1
28	Regulator & Hose assembly	1
29	Left side panel	1
30	Right side panel	1
31	Back panel	1
32	Door beam	1
33	Door stopper	1
34	Left door assembly	1
35	Right door assembly	1
36	Bottom shelf	1
37	Caster with brake	2
38	Caster without brake	2
39	Side table assembly	1
40	Side table left decoration panel assembly	1
41	Hot plate	1
42	Top shelf	1

QUASAR PRO 4 EXPLODED DRAWING

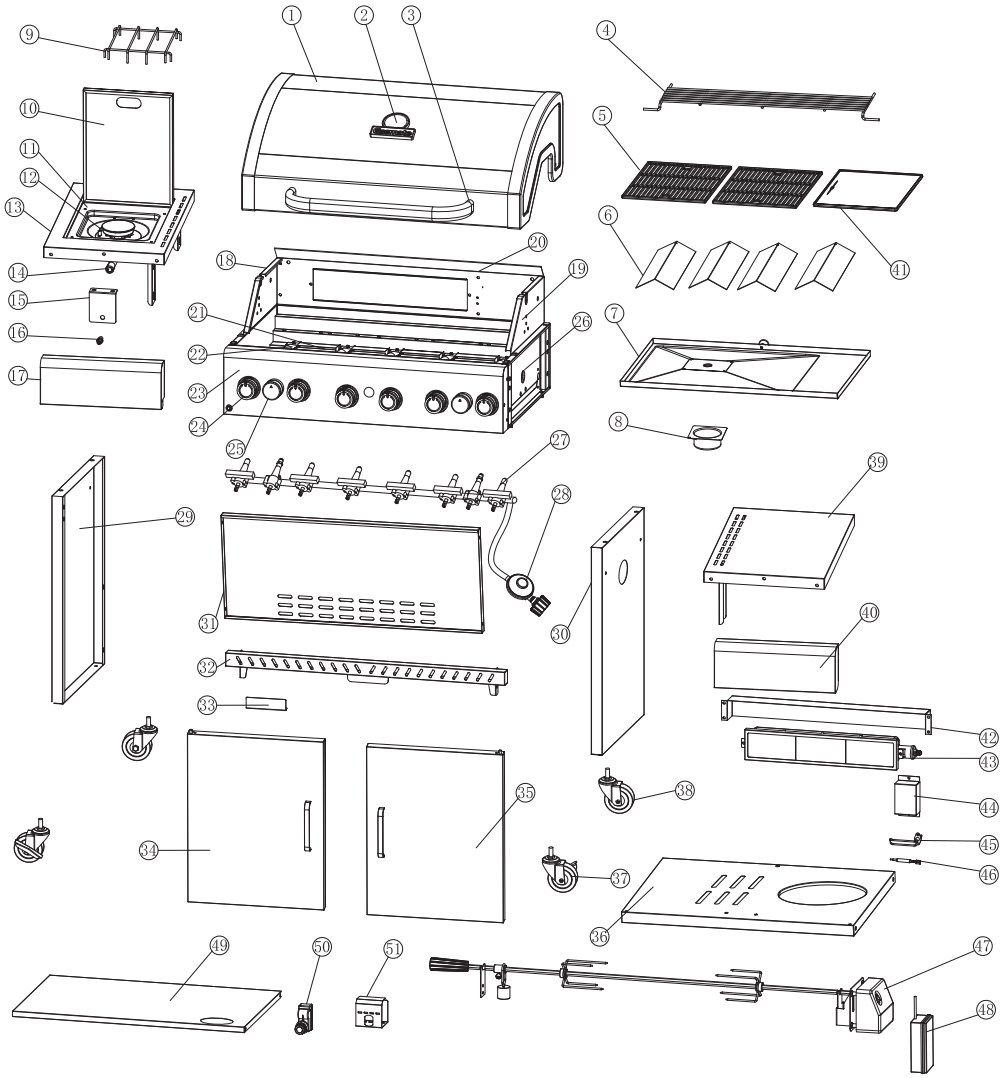


QUASAR PRO 4 PARTS LIST

No.	Description	QTY
1	Hood	1
2	Thermometer	1
3	Hood handle	1
4	Warming rack	1
5	Cooking grill	1
6	Heat tent	2
7	Grease tray	1
8	Grease cup	1
9	Trivet	1
10	Side burner cover	1
11	Soup tray	1
12	Side burner electrode	1
13	Side burner table assembly	1
14	Side burner	1
15	Side burner nozzle fixing bracket	1
16	Side burner nozzle assembly	1
17	Side table left decoration panel assembly	1
18	Rear hood left side panel	1
19	Rear hood right side panel	1
20	Rear hood panel	1
21	Cross fire	3
22	Burner assembly	4
23	Control panel assembly	1
24	Main control knob	4
25	Side burner control knob	1

No.	Description	QTY
26	Firebox assembly	1
27	Manifold assembly	1
28	Regulator and Hose assembly	1
29	Left side panel	1
30	Right side panel	1
31	Back panel	1
32	Door beam	1
33	Door stopper	1
34	Left door assembly	1
35	Right door assembly	1
36	Bottom shelf	1
37	Caster with brake	2
38	Caster without brake	2
39	Side table assembly	1
40	Side table left decoration panel assembly	1
41	Hot plate	1
42	Back burner cover	1
43	Back burner	1
44	Back burner electrode cover	1
45	Back burner electrode	1
46	Thermocouple	1
47	Rotisserie kit	1
48	Battery case	1
49	Top shelf	1
50	Pulse ignition	1
51	Pulse ignition heat shield	1

QUASAR PRO 6 EXPLODED DRAWING



QUASAR PRO 6 PARTS LIST

No.	Description	QTY
1	Hood	1
2	Thermometer	1
3	Hood handle	1
4	Warming rack	1
5	Cooking grill	2
6	Heat tent	4
7	Grease tray	1
8	Grease cup	1
9	Trivet	1
10	Side burner cover	1
11	Soup tray	1
12	Side burner electrode	1
13	Side burner table assembly	1
14	Side burner	1
15	Side burner nozzle fixing bracket	1
16	Side burner nozzle assembly	1
17	Side table left decoration panel assembly	1
18	Rear hood left side panel	1
19	Rear hood right side panel	1
20	Rear hood panel	1
21	Cross fire	5
22	Burner assembly	6
23	Control panel assembly	2
24	Main control knob	6
25	Side burner control knob	2

No.	Description	QTY
26	Firebox assembly	1
27	Manifold assembly	1
28	Regulator and Hose assembly	1
29	Left side panel	1
30	Right side panel	1
31	Back panel	1
32	Door beam	1
33	Door stopper	1
34	Left door assembly	1
35	Right door assembly	1
36	Bottom shelf	1
37	Caster with brake	2
38	Caster without brake	2
39	Side table assembly	1
40	Side table left decoration panel assembly	1
41	Hot plate	1
42	Back burner cover	1
43	Back burner	1
44	Back burner electrode cover	1
45	Back burner electrode	1
46	Thermocouple	1
47	Rotisserie kit	1
48	Battery case	1
49	Top shelf	1
50	Pulse ignition	1
51	Pulse ignition heat shield	1

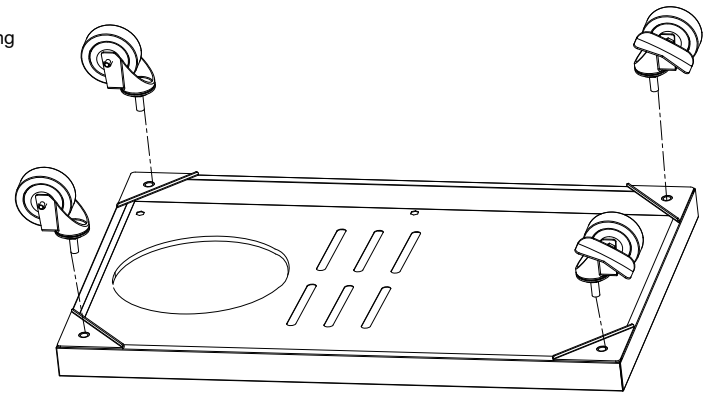
ASSEMBLY INSTRUCTIONS

HARDWARE

A-31xM6x12 bolts	B-4xM5x12 bolts	C-4xM4x6 bolts
D-8xM6x15 bolts	E-4xM6 nut	F-4xM5x30 bolts

STEP 1

Attach the castors by screwing them into the bottom shelf of the cabinet as shown below. Turn shelf over to sit on a flat surface.

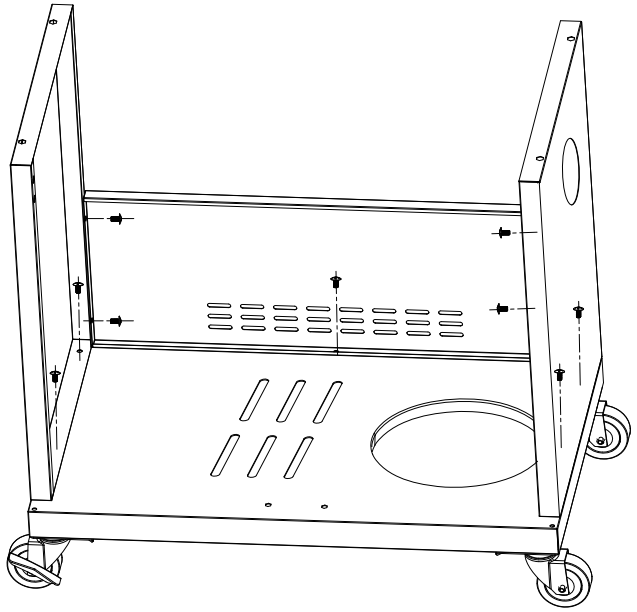


STEP 2

Attach the cabinet side and back panels to the bottom shelf with 9 x M6x12 bolts (A) as shown below.

A.

M6x12 (9x)



ASSEMBLY INSTRUCTIONS

STEP 3

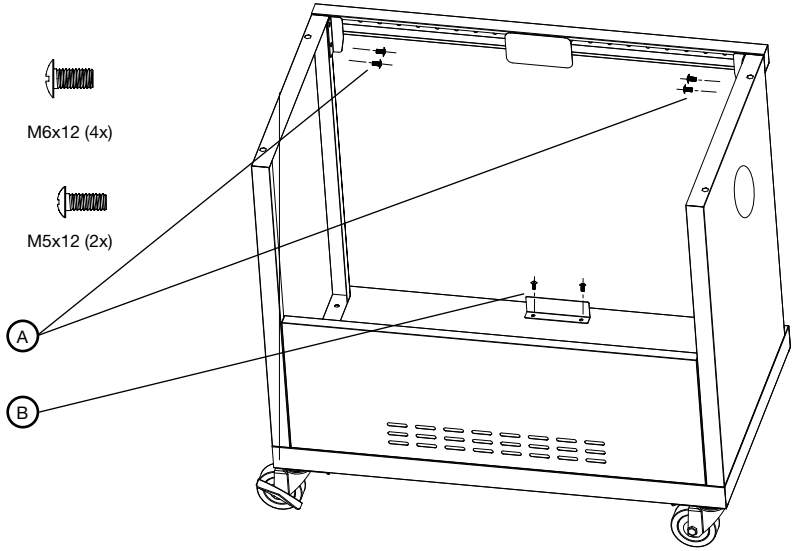
Attach the door beam to the cabinet with 4 x M6x12 bolts (A) as shown below. Attach the door stopper with 2 x M5x12 bolts in the middle of the cabinet bottom shelf at the front.

A.

M6x12 (4x)

B.

M5x12 (2x)

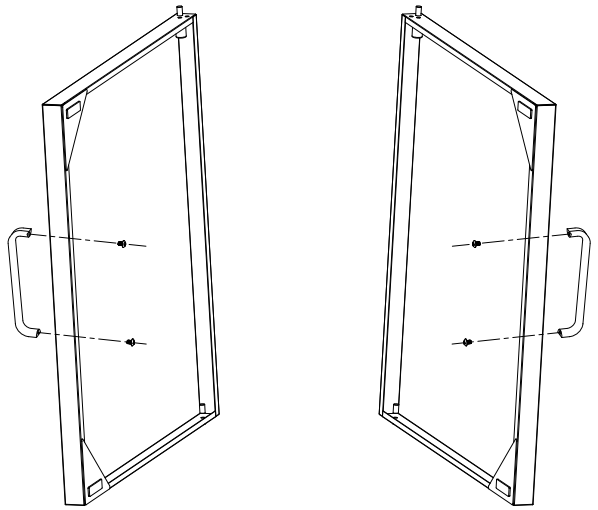


STEP 4

Attach the door handles to the doors with 4 x M4x6 bolts (C).

C.

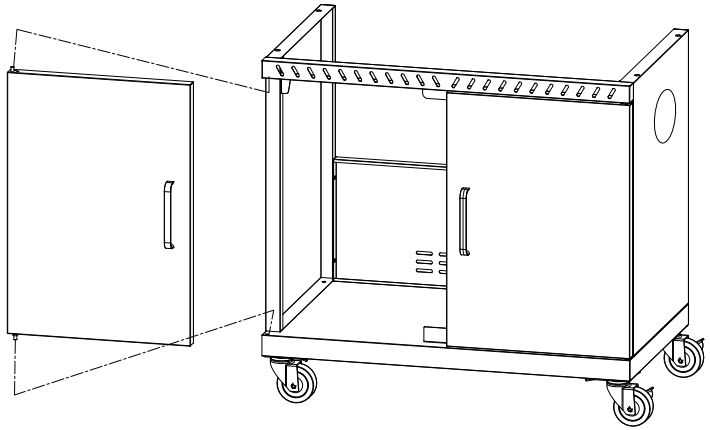
M4x6 (4x)



ASSEMBLY INSTRUCTIONS

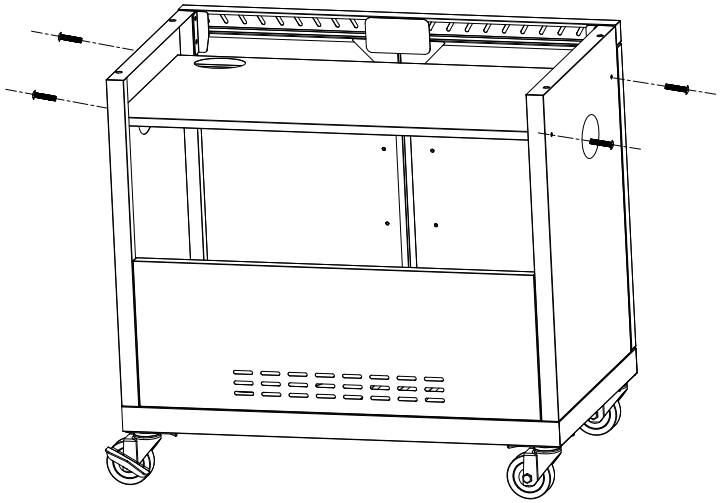
STEP 5

Attach the doors to the cabinet with the hinge pins at top and bottom as shown below.



STEP 6

Attach upper shield shelf.



ASSEMBLY INSTRUCTIONS

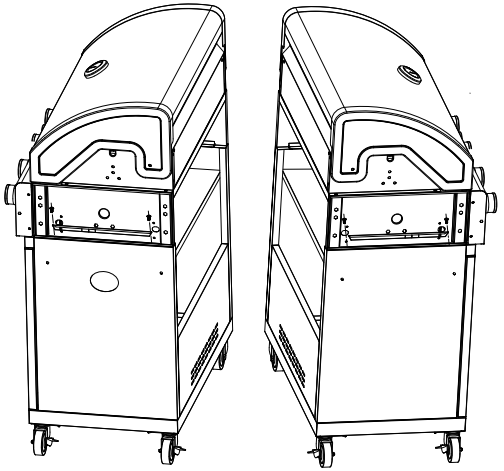
STEP 7

Attach the firebox assembly to the top of the trolley with 4 x M6x12 bolts (A) as shown below.

A.



M6x12 (4)



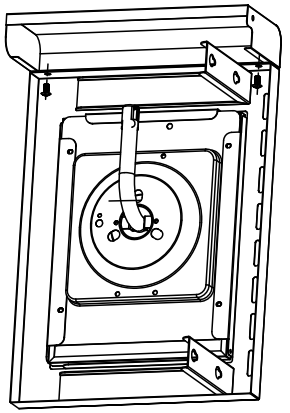
STEP 8

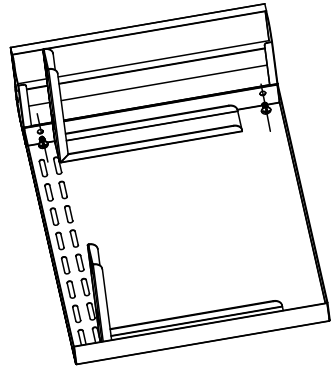
Attach the left side burner front panel to the side burner shelf with 2 x M6x12 bolts (A). Attach the side shelf front panel to the side shelf with 2 x M6x12 bolts (A).

A.



M6x12 (4x)





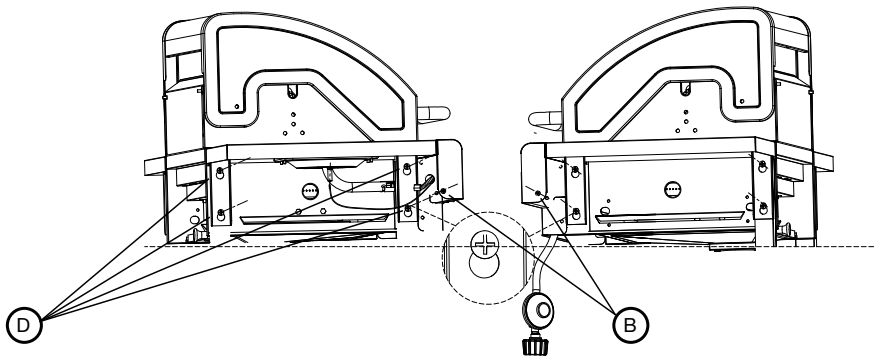
ASSEMBLY INSTRUCTIONS

STEP 9

Fix 8 x M6x15 bolts (D) to the sides of the cabinet. Loosen the bolts, lower the side shelves over the bolts as shown below and retighten the bolts. Use a M5x12 bolt (B) to affix the side front panels on each end.

D. 
M6x15 (8x)

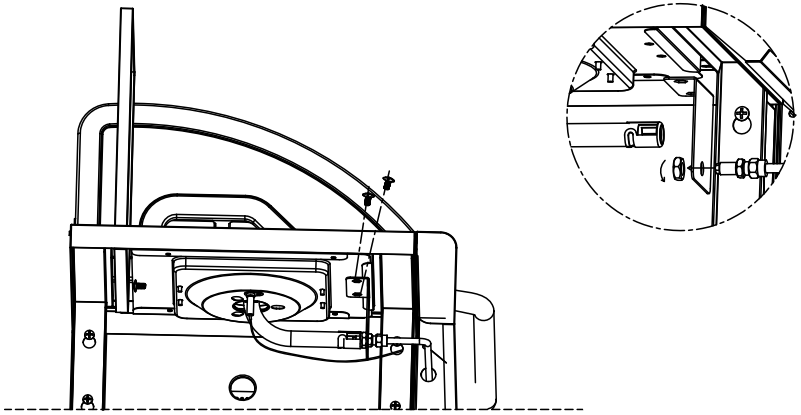
B. 
M5x12 (2x)



STEP 10

Attach the side burner nozzle fixing bracket with 2 x M6x12 bolts (A). Insert the side burner nozzle into the fixing bracket. Tighten nut to nozzle using a spanner.

A. 
M6x12 (2x)

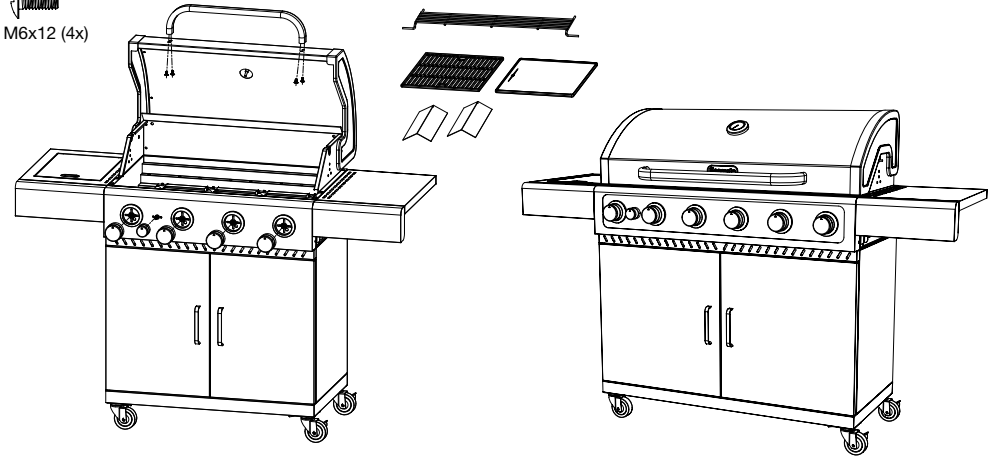


ASSEMBLY INSTRUCTIONS

STEP 11

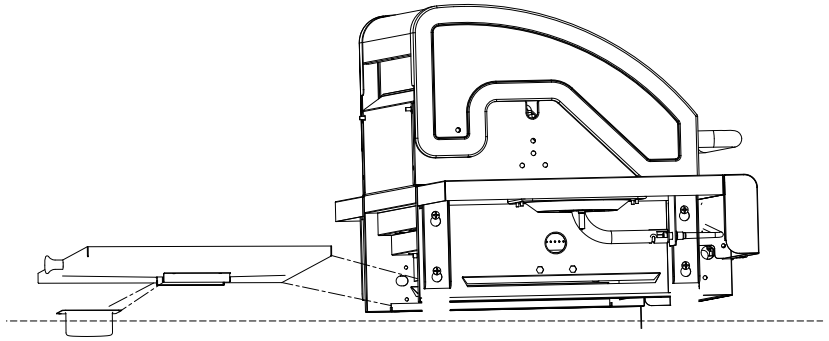
Attach the handle to the hood using 4 x M6x12 bolts (A). Attach all control knobs to control panel. Insert the flame tamers into the fire box over the left hand burners where the grill(s) will be located. Then add cast iron grill(s) over the burners with the flame tamers. Place the hotplate on the right hand side. Insert the warming rack into the holes at either side of the back of the fire box and rest the bars in the rotisserie hoops.

A. 
M6x12 (4x)



STEP 12

Attach the fat cup on to the drip tray and slide into the back of the fire box at the bottom below the burners.



STEP 13 (PRO VERSIONS ONLY)

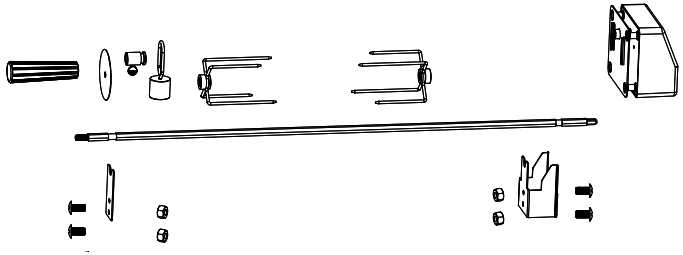
Assemble the rotisserie as shown in the below diagram using 4 of the M6x12 bolts and the 4x M6 nuts.

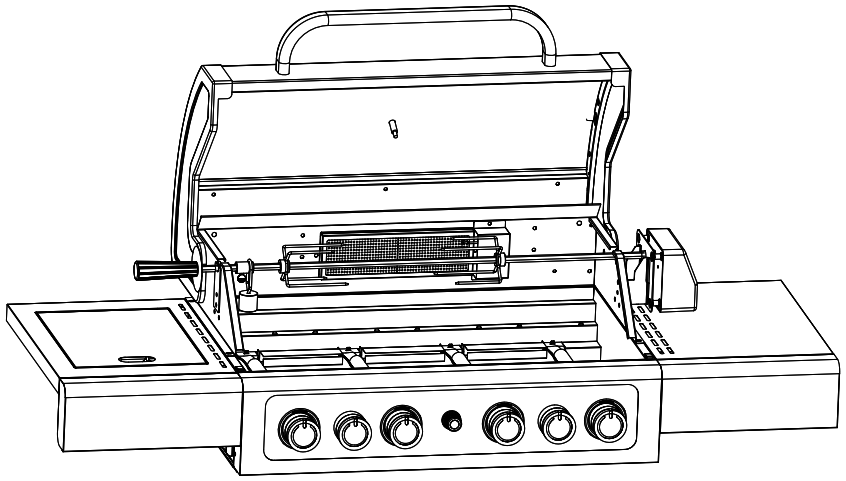
A-4xM6x12 bolts



E-4xM6 nut

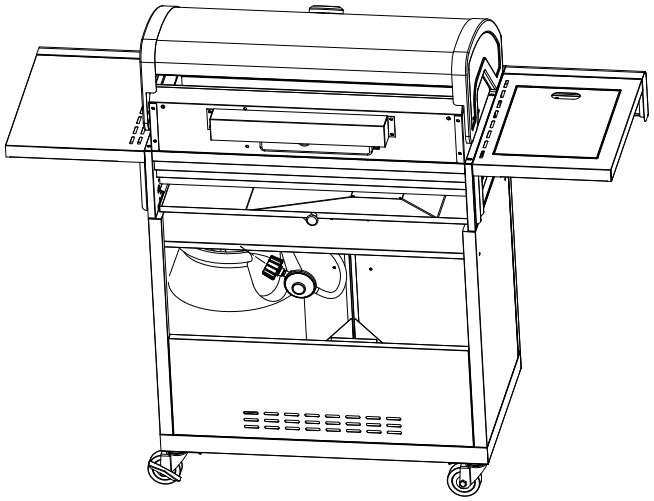






STEP 14

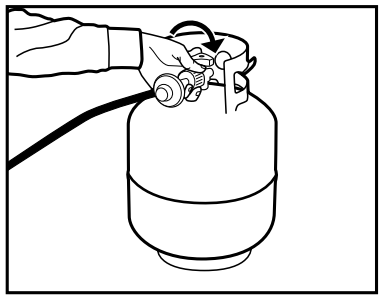
Place gas bottle into cabinet located into the holder. Attach the regulator to the bottle and test all joints as per the instructions in STEP 15 to 20.



ASSEMBLY INSTRUCTIONS

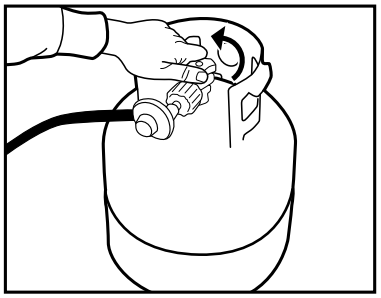
STEP 15

Attach the regulator to your gas cylinder.



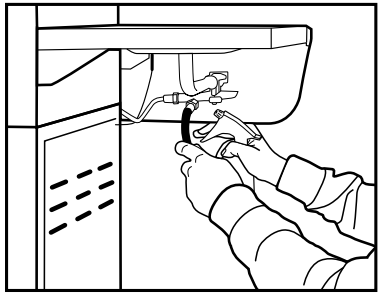
STEP 16

Turn on the gas cylinder ensuring that all of the controls on the BBQ are turned OFF at this point. DO NOT ATTEMPT TO LIGHT THE BBQ.



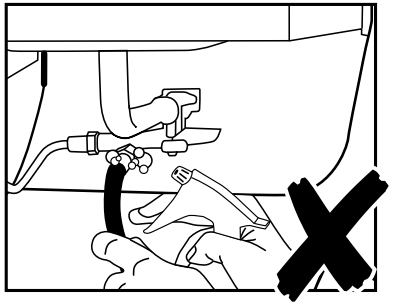
STEP 17

Use a solution of soapy water (dishwashing liquid and water is fine). Brush it on or use a spray bottle as shown in the drawing. Ensure the connections have a good coating.



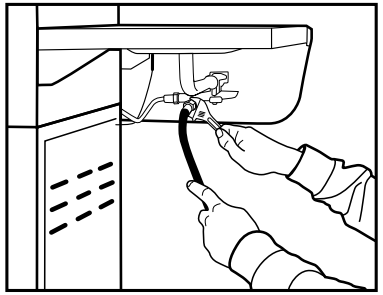
STEP 18

If the connection is leaking, bubbles will start to grow in the soapy solution. If this happens shut off the gas supply at the cylinder.



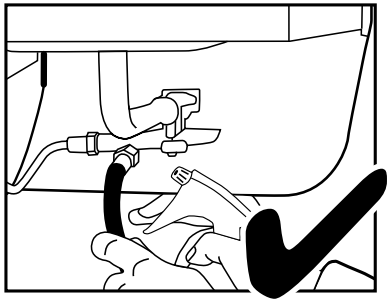
STEP 19

Tighten the connections using a crescent then repeat steps 14-15.



STEP 20

The connection is gas tight when no bubbles grow around the gas connection.



GENERAL ASSEMBLY

CONNECTING & DISCONNECTING TO GAS SOURCE

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 must be turned off at the cylinder.
- 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.
- Check performance of burner prior to installing BBQ plates.

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

CHECK:

1. The cylinder is filled. A sloshing sound will be heard when shaken.
2. The burner controls are in the 'OFF' position.

CONNECTING

1. Ensure cylinder valve is in its full off position.
2. Check for any damage to either the cylinder connection or the hose. NEVER attempt to use damaged equipment.
3. When connecting the hose to the cylinder tighten the nut to a positive stop by hand.
4. Open cylinder valve fully. If a leak can be heard at either end of the hose turn cylinder off and tighten joint. Wait 5 minutes before re-testing and use a soapy water solution to check the joint. If bubbles appear the connection will need to be re-tightened.

Refer to previous page for more detailed instructions on connecting the appliance to the cylinder.

DISCONNECTING

1. Ensure the burner control is in the 'OFF' position.
2. Ensure cylinder valve is in the full off position. For storage and cylinder exchange, disconnect hose at the cylinder only, DO NOT disconnect hose from appliance.

REGULATOR SAFETY FEATURE

The Safe Lok® LCC27 regulators fitted to this BBQ (the part that attaches to the gas cylinder to regulate the flow of gas) have a safety feature included that restricts gas flow in the event of a gas leak. You can inadvertently activate this safety feature without having a gas leak. This typically occurs when you turn on the gas using the barbecue control knob before you turn on the gas cylinder valve. If the gas regulator safety feature activates, the barbecue will operate with reduced output as gas flow is restricted.

These steps should be taken first to reset the gas regulator safety device:

1. Ensure the barbecue hood is open.
2. Turn gas cylinder valve off.
3. Turn off all control knobs.
4. Disconnect the regulator from the gas cylinder.
5. Wait 30 seconds.
6. Reconnect the regulator to the gas cylinder.
7. Leak test the connection using a soapy water solution Ensure no bubbles appear before proceeding.
8. Slowly open the gas cylinder valve all the way. Do not put excessive force on the valve at the full open position, to avoid damaging the valve.
9. Light barbecue as per the instructions provided.

LIGHTING PROCEDURE

Before lighting your barbecue for the first time, read the instructions fully to ensure the barbecue is assembled correctly and is ready for use.

BURNER OPERATION & IGNITION SYSTEM CHECK

1. Open the hood of the barbecue before attempting to light the burners.
2. Turn all the control knobs clockwise to "OFF" position.
3. With cylinder valve in "OFF" position turn a control knob anti-clockwise to "HIGH" (a single click is heard). Check for sparking to the burner.
4. If spark is not evident at the burner ignition point, check that the ignition lead is firmly attached to the control and sparker tip.
5. With sparking established turn the cylinder valve 'ON'.
6. Push down and turn the control knob anti-clockwise to "HIGH" again. This will light the burner. Observe if the burner has lit. If not, repeat this process.
7. If the burner fails to ignite after several attempts turn off gas supply at cylinder valve and the control knob off (clockwise). Wait five minutes before attempting to relight with ignition sequence.
8. Following successful ignition, light the remaining burners in sequence, turn control knobs anti-clockwise to 'HIGH' starting with the burner closest to the ignition burner.
9. Adjust the heat by turning each control knob to the "HIGH"/"LOW" position.
10. To turn the barbecue 'OFF' turn the cylinder valve to the 'OFF' position, then turn the control knobs on the barbecue clockwise to the 'OFF' position.

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).

IMPORTANT:

- NOTE: If for some reason, ignitor fails to produce a spark at the electrode, BBQ can be lit by a long BBQ match. With hood open insert ignited match into burner lighting hole positioned on the right hand side of the BBQ body (underneath side shelf). Push and turn the far right control knob to HIGH. Burner ignition can be checked through this hole. Subsequent burners will cross light.
- Do not smoke when attempting to ignite BBQ.
- Never use volcanic rock, heat beads or other material.
- Always use protective gloves when handling hot components.

SIDE BURNER

1. Lift up the side burner cover (ensure it is always open when the burner is alight).
2. Push and turn the control knob anti-clockwise to HIGH (a single click is heard). This will light the burner. Observe if the burner has lit. If not, repeat this process.
3. If the burner fails to light after several attempts turn the control knob to 'OFF' and wait a few minutes before attempting re-ignition.

IMPORTANT:

The side burner is designed for use with a wok or cooking pot up to 220mm in diameter.

Use of larger pots may result in discolouration of the finish.

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.

Important: Never use all burners on high at the same time when cooking with the hood down.

REAR BURNER (PRO MODELS ONLY)

1. Lift up the hood (ensure it is always open when lighting the burner).
2. Push and turn the control knob anti-clockwise to HIGH at the same time press and hold the IGNITER button until you observe the burner is lit. If the burner has not lit, repeat this process.
3. If the burner fails to light after several attempts turn the control knob to 'OFF' and wait a few minutes before attempting re-ignition.

BURNER OPERATION & IGNITION SYSTEM CHECK

Problem	Possible Reason	Solution
Burner will not ignite	Valve on cylinder is closed	Open the valve on the cylinder
	Control knob is closed	Push in and turn the knob anti-clockwise
	Electronic igniter is faulty	Use a long barbecue match (see page 15)
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 minutes)
	There is too much food on the cooking surface	Cook smaller portions
Flames on the burners burn in yellow or orange flames combined with the smell of gas	The inlets are obstructed	Check for spiders and insects or other obstructions. Clean the burner assembly (see page 16)
	Air shutter on the burner is not adjusted correctly	Adjust the air shutter correctly (see page 16)
	There is a gas leak	Perform a leak test (see page 11)
Flame is low while control knob is on high temperature setting or burner does not ignite	Check if the gas cylinder is empty	Install a full gas cylinder and check for leaks
	Check if the gas hose is bent or kinked	Straighten the gas hose
	The Excess Flow device has been activated. If the LPG cylinder valve is opened to allow gas flow while a burner control valve is already open, the surge of pressure will cause the device to activate	Make sure all burners are set to 'Off' before opening LPG cylinder. Wait 5 seconds after opening LPG valve. Light burners one at a time
When using the igniter function, the burner does not ignite	Check if gas flows out by following the manual lighting instructions	If the burner lights up, check if the igniter is working properly. If the burner does not light up, clean the burner assembly (see page 16)
	Check if the electrodes and ignitor cables are properly connected to the tube burners.	Install the electrodes properly to the tube burners and check if all ignitor cables are installed correctly
	Check if the electrodes are covered by cooking residue	Clean the burners as described in cleaning and care. Additionally clean the electrode tip with alcohol
Flame pattern on the burners is inhomogeneous or does not run the whole length of the tube burner	Check if the burners are clean	Clean the burners as described in cleaning and care
Burner blows out	Burner isn't installed properly	Check all parts are aligned correctly
	Fuel mixture	Close the gap on the adjustable air shutter
	Gas supply is insufficient	Straighten the gas hose and check that the gas bottle is not empty

Note: If the appliance cannot be adjusted to perform correctly it should not be used until serviced or repaired.

OPERATING PROCEDURE

BURN OFF COOKING SURFACES

We recommend operating your barbecue on its highest setting for 15-20 minutes prior to first use. This aids removing the oils used during manufacturing. Allow the cooking surface to cool then we recommend seasoning it before use. Season your cooking surface by coating lightly with vegetable oil and bringing slowly up to a high temperature (do not use olive oil as this burns off at a low temperature). For best use your cooking surface should be seasoned two or three times throughout each barbecue season.

PREHEATING

It is necessary to preheat the barbecue for at least 5 minutes before cooking certain foods, depending on the type of food and the cooking temperature. Food that requires a low cooking temperature, needs only a period of 2-3 minutes preheating.

COOKING TEMPERATURES

'HIGH' setting - Use this setting only for fast warm up, for searing steaks and chops, and for burning food residue from the grill plates after cooking is over. Rarely, if ever, do you use the 'HIGH' setting for extended cooking.

'MEDIUM' setting (mid-way between 'HIGH' and 'LOW'). Use this setting for most grilling, and for cooking hamburgers and vegetables.

'LOW' setting - Use this setting when cooking very lean cuts such as fish.

These temperatures vary with outside temperature and the amount of wind.

When using the temperature gauge in the hood of your barbecue please note that it measures air temperature. The air temperature inside your barbecue will never be as hot as the temperature of the cooking surface.

ROASTING

For best results when roasting, the outer two burners should be used on the low setting. Use of the high setting with the hood down may result in burnt food.

Remove the flat hotplate to help with heat circulation. Preheat the barbecue for a few minutes. Place a roasting rack or aluminium foil dish onto the ribbed hot plate and place the meal to be roasted onto the rack or into the dish and close the hood.

Adjust the control knob to maintain the temperature around the medium mark (approx. 200° to 230°C).

CARE & MAINTENANCE

It is recommended that the BBQ is regularly cleaned and should be serviced at least annually. Servicing must only be carried out by a licensed gas fitter or authorised person.

The hose and regulator should be checked for leaks and damage before each use and we recommend to replace the hose and regulator every 5 years.

Cleaning and general maintenance instructions are given below.

MAINTAINING STAINLESS STEEL SURFACES

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.

Your BBQ features stainless steel components, using moderate grade stainless steels. All stainless steel grades require a level of care and protection to retain their appearance. Stainless steels are not immune to corrosion and neither are they maintenance-free, contrary to popular public perception.

Brushed stainless steel requires routine cleaning and care in order to maintain its quality of appearance. Without adequate care it will show signs of corrosion.

After assembly, we recommend that owners apply a thin layer of olive oil with a clean rag, to all exposed stainless steel parts and panels. This should then be polished in and buffed off with another clean rag to get a non-oily finish. The olive oil layer also makes later polishing and removal of fingerprints easier. This process should be repeated frequently when cleaning your grill.

We recommend that you buy a protective cover for your BBQ. It is recommended that a BBQ cover should be used at all times when the BBQ is not in use to protect your appliance. It is vital to understand that unless a BBQ is cool, clean and dry. A cover placed on a warm, wet or dirty BBQ (or any mix of these factors) can speed up the corrosion process. The BBQ should always be cool, cleaned of any surface contaminants or dirt and be thoroughly dry before a protective cover is fitted. This is especially important before a BBQ is stored for any length of time.

CLEANING STAINLESS STEEL SURFACES

To maintain your appliance's high quality appearance, wash with mild detergent and warm soapy water and wipe dry with a soft cloth after each use. Use only in direction of brushed finish to avoid damage.

CLEANING PAINTED SURFACES

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

CLEANING THE CAST IRON COOKING SURFACE

We recommend opening the hood and turning all burners on to high for 15 minutes to burn-off excessive food and avoid food build-up. For further cleaning, let barbecue cool, use a wire brush to remove remaining residue, then wash the grill plates in a mild soap and hot water. A mild cream cleaner with a non-abrasive pad can be used for more stubborn residue. Rinse well, dry thoroughly and apply a coat of cooking oil. Due to the weight of the grills, it is not recommended they are cleaned in a dishwasher. Do not use cleaners that contain acid, mineral spirits or xylene. If rust appears during storage, clean with a soft wire brush, wash in hot soapy water, dry, re-oil and cure.

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.

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 as described in lighting and operating procedure.

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.

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 hot water solution.

CLEANING THE BURNER ASSEMBLY

1. Make sure the barbecue is cool.
2. Remove cooking grills, hotplate and flame tamers.
3. Remove the burner by taking off the R-clip from the rear end of the burner.
4. Lift the burner up and away from gas valve orifice.
5. Clean the inlet of burner with small bottle brush or compressed air.
6. Remove all food residue and dirt on the outside of the burner surface.
7. Clean any clogged ports with a piece of stiff wire (such as an opened paper clip).
8. Inspect the burner for any damage (cracks or holes), If damage is found, replace with a new burner. Reinstall the burner, check to ensure that gas valve orifices are correctly positioned inside burner inlet.
9. Overlap 15mm between tube and nozzle when assembled.
10. Keep the centre line of tube and nozzle on one line.

WARNING: If the instructions above are not followed, an explosion may result, possibly causing serious bodily injury or death

ADJUST THE AIR SHUTTER

The adjustable air shutter controls the amount of air intake in the gas inlet. To adjust the air shutter.

1. Make sure the barbecue is cool.
2. Remove cooking grills, hotplate and flame tamers.
3. Access the burner that is not burning correctly.
4. Turn the adjustable air shutter clockwise to reduce the amount of air in the gas inlet, this will turn an orange flame into a cleaner burning blue flame.

DO NOT OVER CLEAN, AS THIS CAN CAUSE DAMAGE TO THE SURFACE OF THE METAL AND CAN VOID THE WARRANTY.

STORING THE APPLIANCE

If the appliance needs to be stored for a prolonged period of time (e.g. over winter):

1. Set control knobs to off (pointing upwards).
2. Close valve at the gas cylinder.
3. Remove the gas cylinder from the appliance, by unscrewing the gas hose.
4. Carefully clean the appliance.
5. The appliance can be stored in a dry location indoors (e.g. garage)
6. The gas cylinder needs to be stored outdoors in a dry and well-ventilated location and out of reach of children!
7. Cover the appliance.

When removing the appliance from storage check for burner obstructions.

IMPORTANT:

- Beware of spiders and wasps. Burner tube should be inspected and cleaned periodically.
- This appliance must only be serviced by an authorized 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.

NATURAL GAS CONVERSION

WARNING

Conversion of this BBQ to Natural Gas MUST only be done by a licensed and authorised gas fitter.

The BBQ should be fully leak tested following conversion using soapy water solution - DO NOT use a naked flame.

The conversion and installation MUST be completed in compliance with latest revision of AS/NZS 5601.

A certificate of compliance MUST be provided by the licensed gas fitter following conversion.

A compliant high flow natural gas regulator must be installed between the natural gas supply and the BBQ, set to 1.0kPa.

Tools Required

- 6mm Flathead Screwdriver
- Small Adjustable Spanner

Natural gas jets sets can be ordered from Sitro Group Australia.

Please contact:
Phone: 1300 174 876
Email: sales@sitro.com.au

It is recommended to use the Gasmate GM4025 High Flow Natural Gas Kit or similar, with a high flow regulator and minimum of Ø10mm internal supply hoses to ensure best performance.

CONVERSION PROCEDURE

(1) Ensure the BBQ is disconnected for gas supply and there is no residual gas remaining in the system

(2) Open the main hood and side burner lids.

(3) Remove the trivets and burners

(4) From inside the burner box/side burner enclosure, unscrew the existing Propane injector by turning anti-clockwise (refer to Figure A).

(5) Fit the appropriate size Natural Gas injector (refer to table on page 3 for details) by screwing it in clockwise (refer to Figure B).

(6) The minimum flame setting for each burner will need to be adjusted as follows.

(7) Remove all the knobs by carefully pulling them toward you.

(8) Using a 6mm flathead screwdriver, insert it into the hole below and to the side of the knob shaft and turn the adjustment screw a minimum of 1/4-turn (90-degrees) anti-clockwise (refer to Figure C and Figure D).

(9) Repeat for all the burners.

(10) Replace all the burners and knobs once complete.

(11) Remove the Propane hose and regulator assembly from the BBQ and connect the Natural Gas supply hose with High-flow Natural Gas Regulator. A chain should be fixed between an anchor point near the gas supply and the BBQ to prevent movement of the BBQ to less than 80% of the supply hose length.

(12) Leak test ALL joints and the assembly.

(13) Once confirmed leak-free, the burners should be test lit, with all burners checked and adjusted as needed.

(14) On HI, the flame on all burners should be blue with light yellow tips and be around 8-10mm high. The aeration screw should be adjusted to achieve the required flame if needed (ensure the gas is OFF and the BBQ cool before adjusting).

(15) On LO, the flame should be just level with the top of the burner and approximately 6mm high. If needed, adjust the flame as per steps 6-8.

(16) Once completed, turn all the burner OFF and allow to cool then refit all removed components (such as flame tamers, grills and hot plates).

(17) Apply the “Natural Gas” label on the BBQ where the dataplate is located.

(18) The gas pressure at the BBQ MUST be fully checked by the licensed gas fitter.

(19) Ensure the owner/user is fully aware of the new gas type and the appropriate safety measure for use.

Figure A

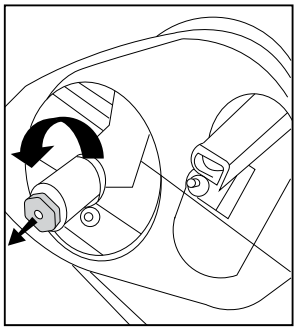


Figure B

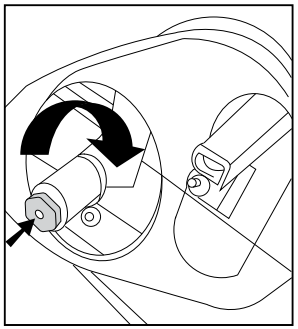


Figure C

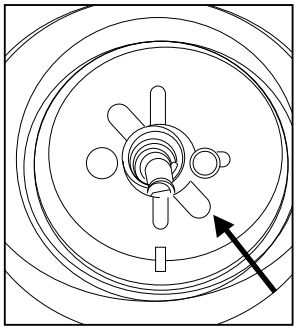
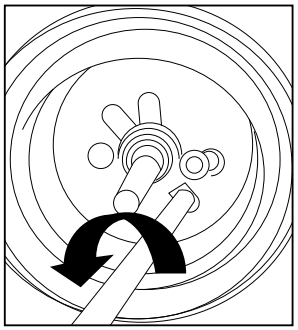
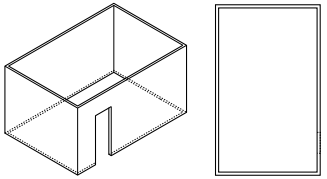


Figure D

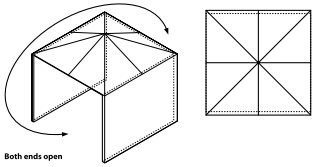


DIAGRAMMATIC REPRESENTATIONS OF OUTDOOR AREAS

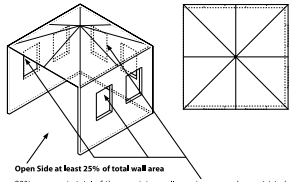
The following figures are diagrammatic representations of outdoor areas. Rectangular areas have been used in these figures – the same principles apply to any other shaped area.



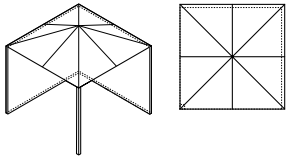
Outdoor Area - Example 1



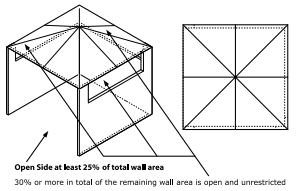
Outdoor Area - Example 3



Outdoor Area - Example 5



Outdoor Area - Example 2



Outdoor Area - Example 4

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 one of 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 (2) walls.

– Within a partial enclosure that includes and overhead cover and more than two (2) walls, the following should also apply -

(i) at least 25% of the total wall area completely open; and

(ii) at least 30% of the remaining wall area is open and unrestricted.

– In the case of balconies, at least 20% of the total of the side, back and front wall areas shall be and remain open and unrestricted.

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 5 year warranty.

Gasmate