

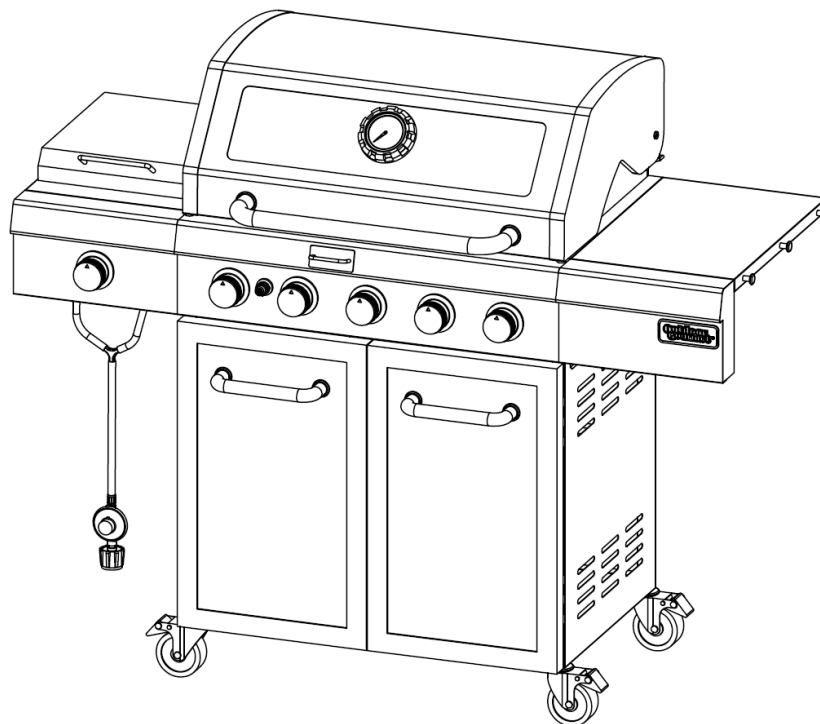


Assembly Instructions & User's Manual

Premium Gas Grill

Model number: GR2210613-OG-00

Ref. style: 160864



Please keep this instruction manual for future reference

**Customer Service: 1-888-922-2336
7:00 am to 12:00 am CST (daily)
Live Chat at: www.academy.com
Email: customerservice@academy.com**

-----OR-----

**Customer Service: 1-888-837-1380, 10:00am to 7:00pm, Monday thru Friday,
CST
(Made in China)**


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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.

Warnings

SAFETY LABELS

 **DANGER:** Indicates an imminent hazardous situation which, if not avoided, will result in death or serious injury.

 **WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.



Warnings

This instruction manual contains important information necessary for the proper assembly and safe use of this product. Read and follow all warnings and instructions before assembling and using this product. Failure to follow these instructions and warnings could result in damage to the product or injury to the user. Keep this instruction manual for future reference.



DANGER



If you smell gas:

1. Shut off gas to the appliance.
2. Extinguish any open flame.
3. Open lid.
4. If odor continues, keep away from the appliance and immediately call your fire department.

Failure to follow these instructions could result in fire or explosion which could cause property damage, personal injury or death.



WARNING



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



DANGER



- (a) Do not store a spare LP gas cylinder under or near this appliance;
(b) Never fill the cylinder beyond 80 percent full;
(c) If the information in (a) and (b) is not followed exactly, a fire causing death or serious injury may occur.

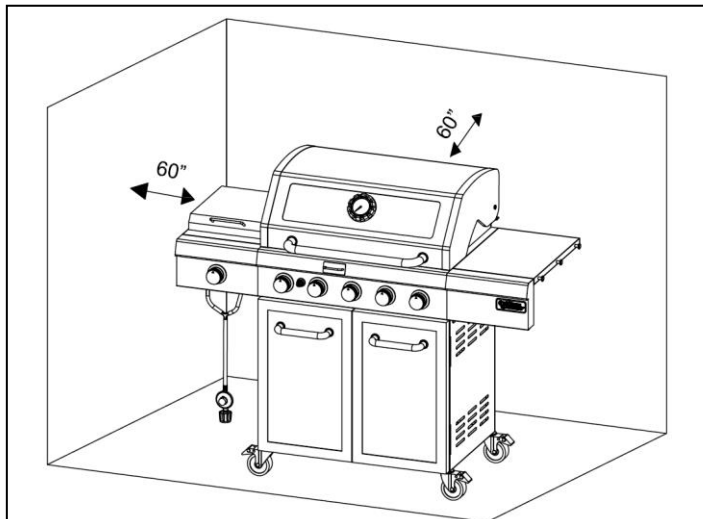
Warnings



WARNING



- This outdoor cooking gas appliance shall be used only outdoors and shall not be used in a building, garage or any other enclosed area.
- This outdoor cooking gas appliance is not intended to be installed in or on boats. This appliance is not intended to be installed in or on recreational vehicles.
- Use your grill **OUTDOORS** in a well ventilated space away from dwellings or other buildings to prevent dangers associated with gas accumulation and toxic vapors. The grill should be situated at least 60 inches (152.4 cm) from buildings. Not adhering to these clearances will prevent proper ventilation and may increase the risk of a fire and/or property damage, which could also result in personal injury.
- Maintain a minimum clearance of 60 inches (152.4 cm) between all sides of grill, deck railings, walls or other combustible material. **DO NOT** use grill under overhead combustible construction.
- **DO NOT** obstruct the flow of combustion/ventilation air.
- **DO NOT** leave the grill unattended while in use.
- **DO NOT** use while under the influence of drugs or alcohol.
- Keep the fuel supply hose away from heated surfaces.
- **DO NOT** put grill in storage or move it after use. Allow grill to cool to touch before moving/storing. Failure to do so could result in fire resulting in property damage, personal injury or death.
- The appliance is for household use only. **DO NOT** use this grill for other than its intended purpose.
- Never use natural gas in a unit designed for liquid propane gas.
- Never use charcoal or wood briquettes in a gas grill. Flavoring chips must be contained in a metal smoking box to contain ash and prevent fires.
- Leak test must be conducted prior to each use.
- Keep a fire extinguisher on hand intended for use with gas products. Refer to your local authority to determine proper size and type.
- Keep the outdoor cooking gas appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
- Grill is hot when in use. To avoid burns:
 - **DO NOT** attempt to move the grill.
 - Lock the wheels so the unit does not accidentally move.
 - Wear protective gloves or oven mitts.
 - **DO NOT** touch any hot grill surfaces.
 - **DO NOT** wear loose clothing or allow hair to come in contact with grill.



Maintain a minimum clearance of 60 inches from combustible material.

Warnings

USE OF LP GAS CYLINDER AND INSTALLATION

BEFORE INSTALLING:

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, Natural Gas and Propane Installation Code, CSA B149.1*, or *Propane Storage and Handling Code, B149.2* or the *Standard for Recreational Vehicles, ANSI A 119.2/NFPA 1192*, and *CSA Z240 RV Series, Recreational Vehicle Code*, as applicable.

BEFORE EVERY USAGE:

Be sure to inspect the hose for leaks, cuts, wear, abrasion, or damage of any sort before using this appliance. If any damage is apparent, the hose must be replaced with a replacement hose specified by the manufacturer before it is put in use.

LP GAS CYLINDER:

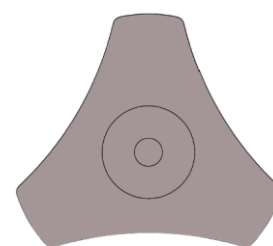
The LP (liquid propane) cylinder specifically designed to be used with this unit **MUST** have a 20 lb. (9.1kg) capacity with a Q.C.C. Type 1 cylinder valve and an overfilling protection device (OPD). Only use LP cylinders with this type of valve.

LP tank valve must have:

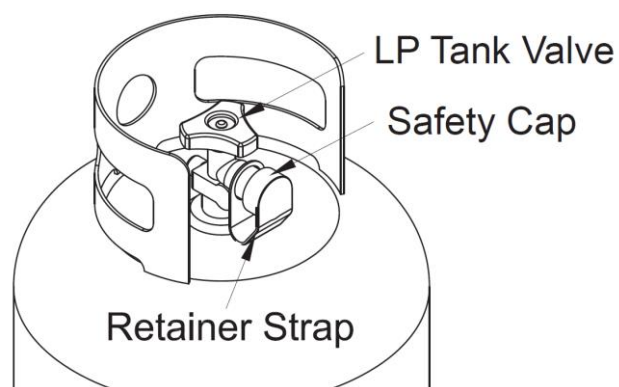
- Purchase LP tanks only with these required measurements: 12" (30.5cm) (diameter) x 18" (45.7cm) (tall) with 20lb. (9kg). Capacity maximum.
- Q.C.C. Type 1 outlet compatible with regulator or appliance.
- Safety relief valve.
- UL listed Overfill Protection Device (OPD). This OPD safety feature is identified by a unique triangular hand wheel. Use only tanks equipped with this type of valve.
- LP tank must be arranged for vapor withdrawal.

The LP 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, Cylinder, Spheres and Tubes for Transportation of Dangerous Goods; and Commission of Dangerous Goods; as applicable.

- The LP cylinder must include a collar to protect the cylinder valve.
- If the outdoor cooking gas appliance is not in use, the gas must be turned off at the supply cylinder(s).
- The LP cylinder must be stored outdoors out of the reach of children and **MUST NOT** be stored in a building, garage, shed, breezeway, or any other enclosed area.
- Storage of an outdoor cooking gas appliance indoors is permissible **ONLY** if the cylinder is disconnected and removed from the outdoor cooking gas appliance.
- The cylinder should **ALWAYS** be put in an upright position.



OPD Hand Wheel



Warnings



DANGER



- DO NOT connect this grill to an existing #510 POL cylinder valve with Left hand threads. The Type 1 valve can be identified with the large external threads on the valve outlet.
- DO NOT connect to a propane cylinder exceeding its capacity.
- DO NOT connect to a cylinder that uses any other type of valve connection device.
- Never store a spare LP gas cylinder under or near your grill. This could cause pressure to be expelled through the vapor relief valve resulting in fire, explosion or severe personal injury including death.
- Keep the ventilation opening(s) of the LP gas cylinder enclosure free and clear from obstructions and debris.
- DO NOT insert any foreign objects into the valve outlet. Damage to the valve outlet could result. A valve outlet can cause a leak, possibly resulting in explosions, fire, severe bodily harm or death.



WARNING

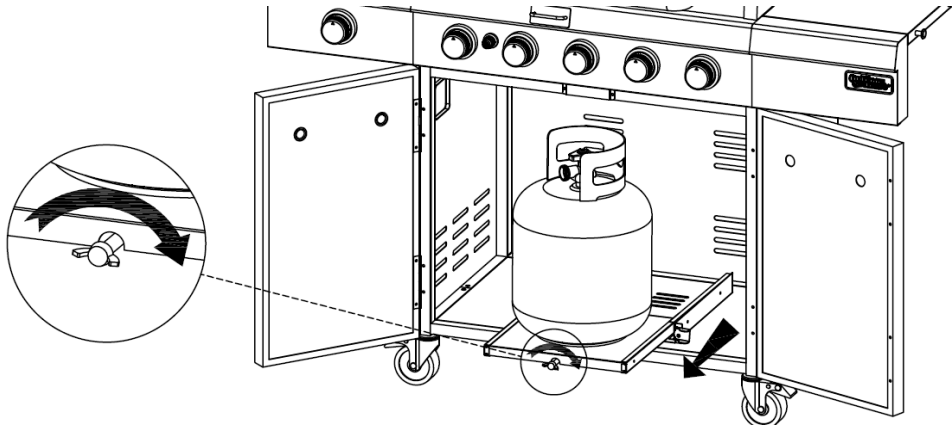


FOR FILLING THE LP GAS CYLINDER

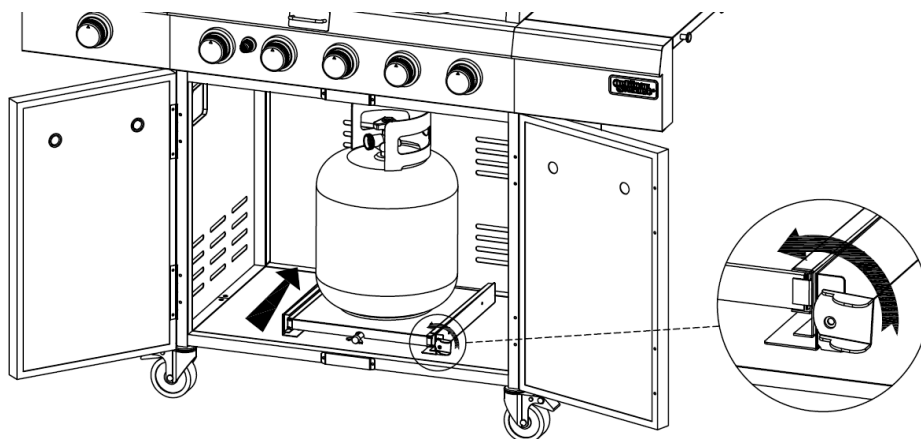
- Allow only qualified LP gas dealers to properly fill or repair your LP cylinder.
- DO NOT allow the cylinder to be filled beyond 80% capacity. Over-filled tanks can create a dangerous condition. Over-filled tanks can build-up pressure and cause the relief valve to expel propane gas vapors. The vapor is combustible and if it comes in contact with a spark source or flame an explosion causing severe burns, bodily harm or death could occur.
- Always use a safety cap when grill is not connected to a cylinder.
- If you exchange a cylinder with a qualified exchange program, be sure the cylinder has a Type 1 valve and an over-filling prevention device (OPD).

INSTALLING GAS CYLINDER

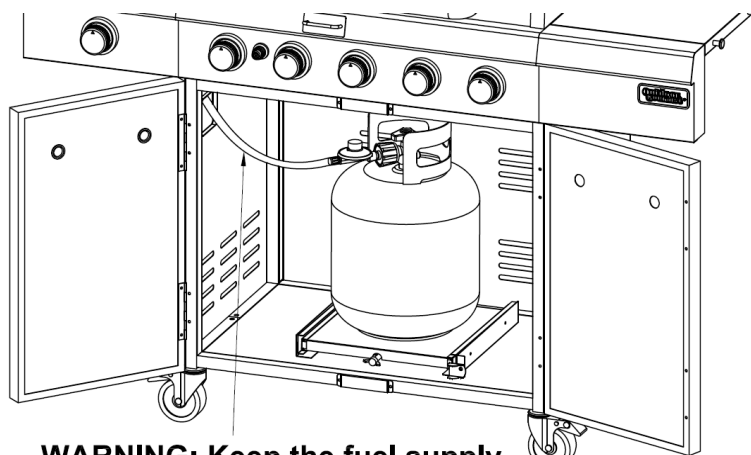
1. Check that the cylinder valve is closed by turning the knob in clockwise.
2. Pull out the cylinder holder along the slot.
3. Place the cylinder into cylinder holder and tighten the fixing bolt. Place cylinder so that the valve opening faces the side burner in such a way that the hose is not kinked/damaged.



4. Fix the cylinder holder in place and lock with the latch bracket.



5. Attach or detach the regulator to the LP gas cylinder only when the cylinder is placed on the cylinder holder.

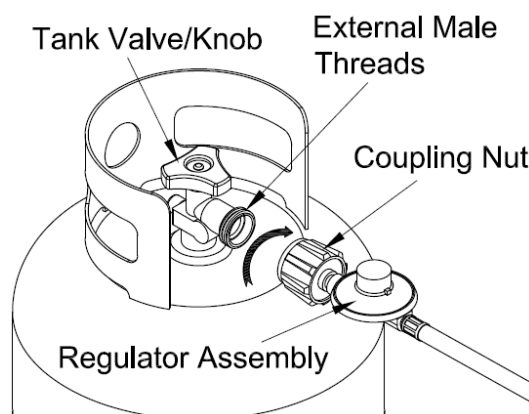


WARNING: Keep the fuel supply hose away from any heated surfaces.

Warnings

CONNECTION PROCEDURES

1. Make sure the tank valve is closed (turn valve clockwise until tight).
2. Check tank valve to insure it has proper external male threads.
3. Make sure all burner valves are turned OFF.
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 local L.P gas dealer for repair.
5. When connecting regulator assembly to the valve, hand tighten the quick coupling nut clockwise to a complete stop. Do not use a wrench to tighten. Use of a wrench may damage the quick coupling nut and result in a hazardous condition.
6. Open the tank valve fully (counterclockwise). Use a soapy water solution to check all connections for leaks before attempting to light the grill (see P.29-30). If a leak is found, turn the tank valve off and do not use the grill until a local LP gas dealer can make repairs.



TO DISCONNECT LP CYLINDER:

1. Turn the burner valves off.
2. Turn the tank valve off fully (turn clockwise to stop).
3. Detach the regulator assembly from the tank valve by turning the quick coupling nut counterclockwise.

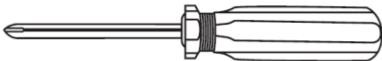




CAUTION

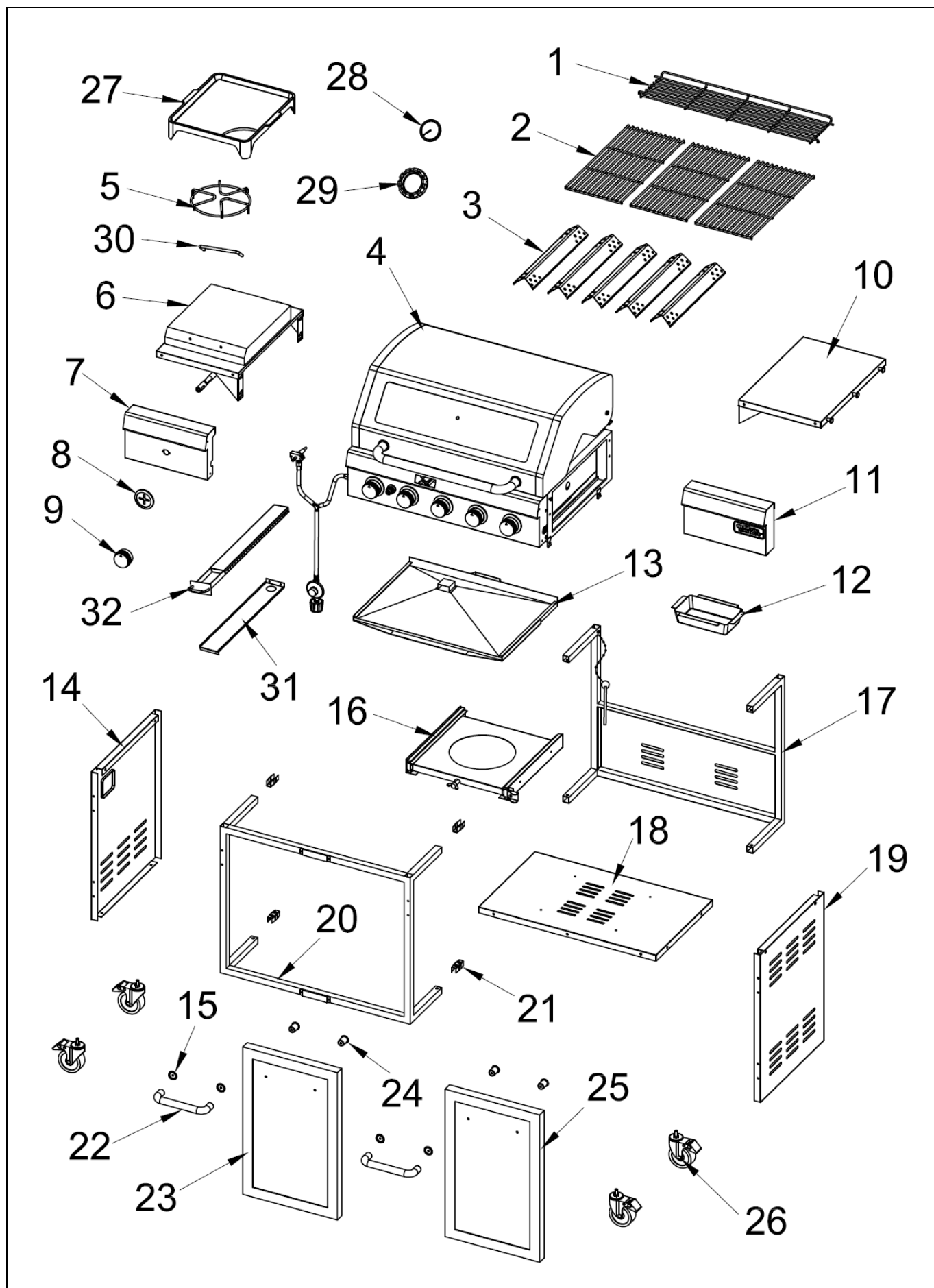


- When installing LP cylinders the pressure regulator and hose supplied by the manufacturer **MUST** be used with the appropriate cylinder. Replacement regulators and hoses need to be specified by the manufacturer of this appliance.
- Place dust cap on cylinder valve outlet whenever cylinder is not in use. Only install the type of dust cap on the cylinder valve outlet that is provided with the cylinder. Other types of caps or plugs may result in leakage of propane.

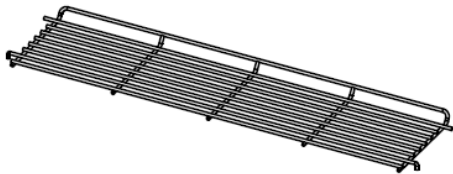
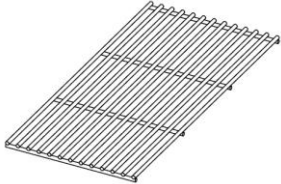
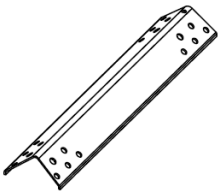
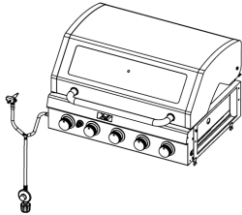
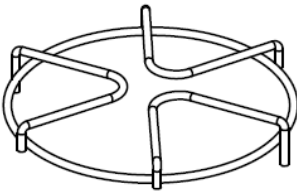
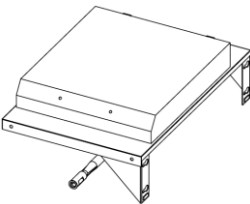
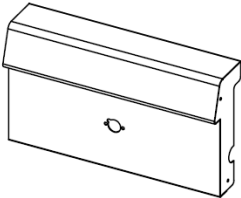
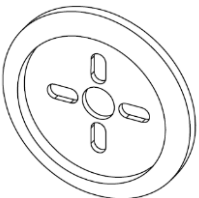
Tools Required

1	Phillips screwdriver (included in hardware pack item A)	
2	Hex nut wrench (included in hardware pack item D)	
3	Adjustable wrench (not included)	

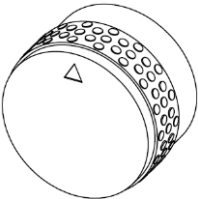
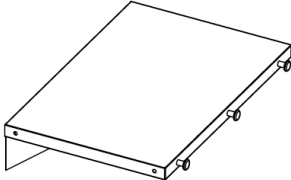
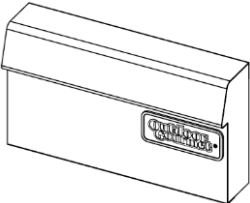
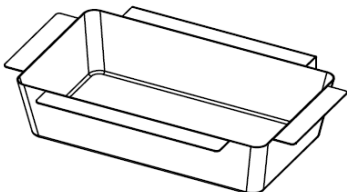
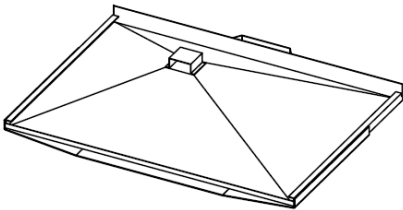

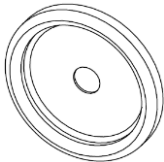
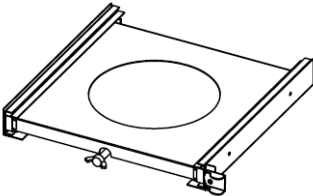
Product Diagram



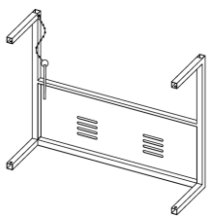
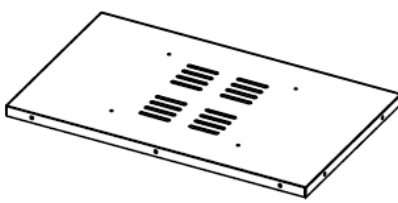
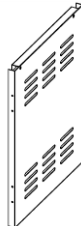
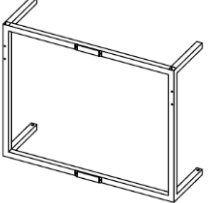
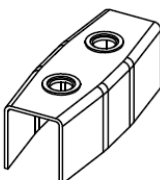
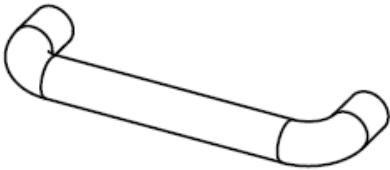
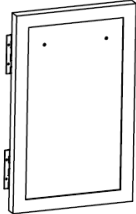

Parts List

1	Warming Rack		1 pc
2	Cooking Grate		3 pcs
3	Flame Tamer		5 pcs
4	Grill Body Assembly		1 pc
5	Side Burner Grate		1 pc
6	Side Burner Assembly		1 pc
7	Side Burner Control Panel		1 pc
8	Control Knob Bezel		1 pc

Parts List

9	Control Knob / Side Burner Control Knob		1 pc
10	Side Table Assembly		1 pc
11	Side Table Panel		1 pc
12	Grease Cup		1 pc
13	Grease Collecting Tray		1 pc
14	Left Cart Side Panel Assembly		1 pc
15	Door Handle Bezel		4 pcs
16	Tank Holder Assembly		1 pc

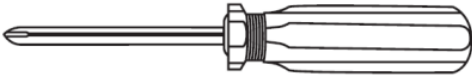

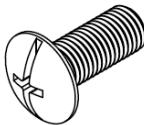

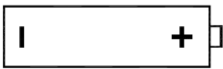
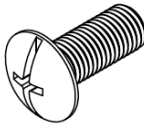



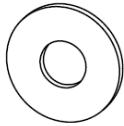
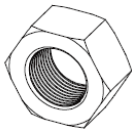
Parts List

17	Rear Cart Assembly		1 pc
18	Bottom Cart Panel		1 pc
19	Right Cart Side Panel		1 pc
20	Front Cart Assembly		1 pc
21	Cart Frame Connecting Tube		4 pcs
22	Door Handle		2 pcs
23	Left Door Assembly		1 pc
24	Plastic Insert		4 pcs

Parts List

25	Right Door Assembly		1 pc
26	Locking Caster		4 pcs
27	Griddle		1 pc
28	Thermometer		1 pc
29	Thermometer Bezel		1 pc
30	Side Burner Lid Handle		1 pc
31	Wood Chip Tray Channel		1 pc
32	Wood Chip Tray Assembly		1 pc

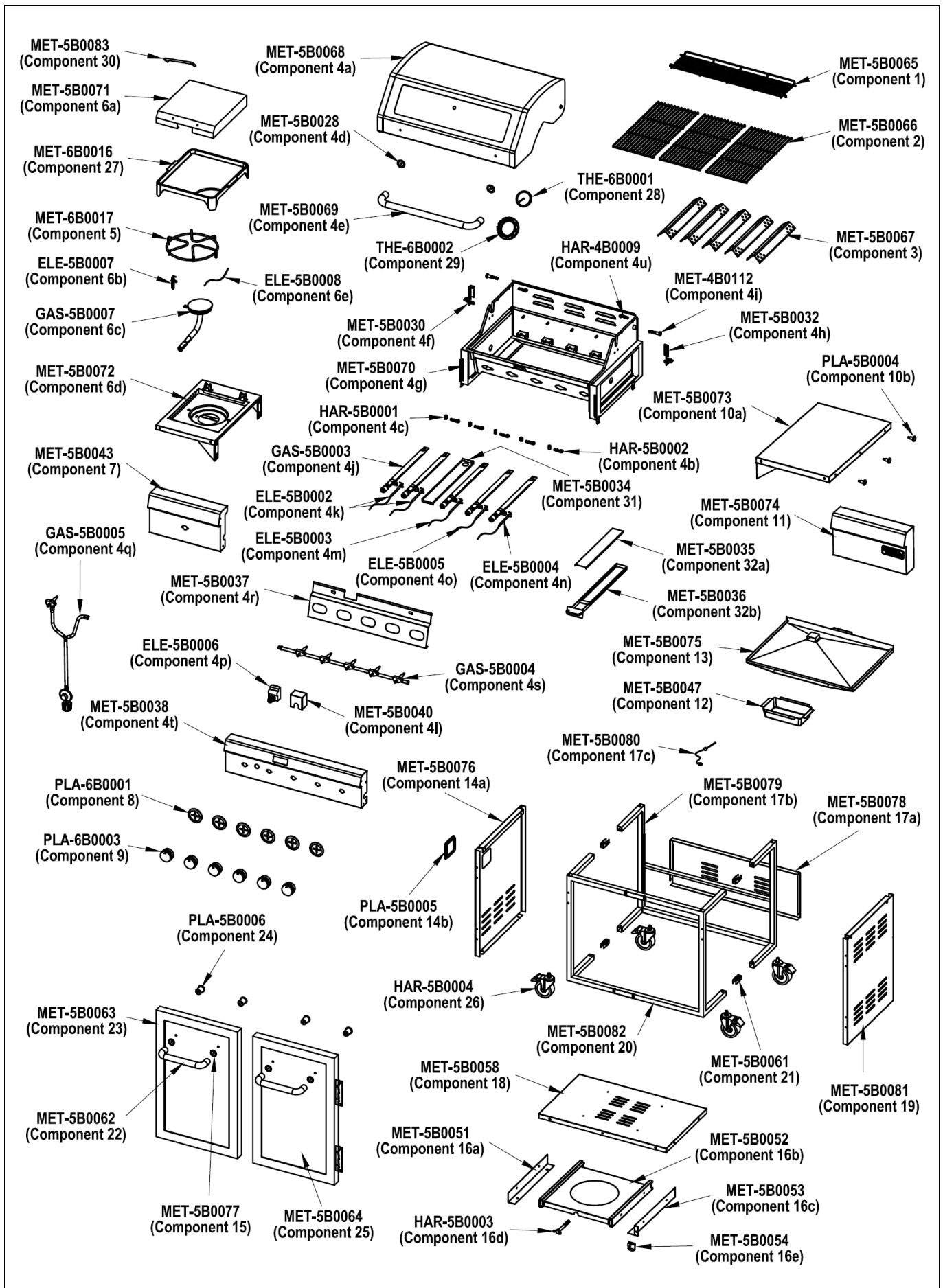
Hardware and Tools List

A	Phillips Head Screwdriver		1 pc
B	M4x10mm Bolt (Silver)		8 pcs
C	M6x12mm Bolt (Black)		46 pcs
D	Hex Nut Wrench		1 pc
E	LR6/AA Battery		1 pc
F	M6x12mm Bolt (Silver)		8 pcs
G	M4x8mm Bolt		6 pcs
H	M4 Washer		2 pcs
I	M4 Nut		2 pcs
J	Thermometer Washer		1 pc
K	Thermometer Nut		1 pc

Note: Hardware G, H, I, J and K have been pre-attached on the related components.

For Bolt C, 38 pcs are stored in the hardware pack, and 8 pcs have been pre-attached on the related components.

Replacement Part List (I)



Replacement Part List (II)

Part Number	Component	Part Name	Part Number	Component	Part Name
MET-5B0065	1	Warming Rack	MET-5B0066	2	Cooking Grate
MET-5B0067	3	Flame Tamer	MET-5B0068	4a	Grill Body – Lid
HAR-5B0002	4b	Grill Body – Burner Cotter Pin	HAR-5B0001	4c	Grill Body – Burner Fixing Pin
MET-5B0028	4d	Grill Body – Lid Handle Bezel	MET-5B0069	4e	Grill Body – Lid Handle
MET-5B0030	4f	Grill Body – Lid Support Left Bracket	MET-5B0070	4g	Grill Body – Fire Box
MET-5B0032	4h	Grill Body – Lid Support Right Bracket	MET-4B0112	4i	Grill Body – Lid Hinge Pin
GAS-5B0003	4j	Grill Body – Burner	ELE-5B0002	4k	Grill Body – Ignition Electrode & Wire A
MET-5B0040	4l	Grill Body – Igniter Cover	ELE-5B0003	4m	Grill Body – Ignition Electrode & Wire B
ELE-5B0004	4n	Grill Body – Ignition Electrode & Wire C	ELE-5B0005	4o	Grill Body – Ignition Electrode & Wire D
ELE-5B0006	4p	Grill Body – Igniter	GAS-5B0005	4q	Grill Body – Hose & Regulator Assembly
MET-5B0037	4r	Grill Body – Fire Box Front Heat Shield	GAS-5B0004	4s	Grill Body – Valve & Manifold Assembly
MET-5B0038	4t	Grill Body – Control Panel	HAR-4B0009	4u	Grill Body – Lid Hinge Cotter Pin
MET-6B0017	5	Side Burner Grate	MET-5B0071	6a	Side Burner – Lid
ELE-5B0007	6b	Side Burner – Ignition Electrode	GAS-5B0007	6c	Side Burner – Side Burner
MET-5B0072	6d	Side Burner – Side Burner Frame	ELE-5B0008	6e	Side Burner – Ignition Wire
MET-5B0043	7	Side Burner Control Panel	PLA-6B0001	8	Control Knob Bezel
PLA-6B0003	9	Control Knob / Side Burner Control Knob	MET-5B0073	10a	Side Table
PLA-5B0004	10b	Side Table Wire Clip	MET-5B0074	11	Side Table Panel
MET-5B0047	12	Grease Cup	MET-5B0075	13	Grease Collecting Tray
MET-5B0076	14a	Left Cart Side Panel	PLA-5B0005	14b	Plastic Ring
MET-5B0077	15	Door Handle Bezel	MET-5B0051	16a	Tank Left Sliding Bracket
MET-5B0052	16b	Tank Holder Base	MET-5B0053	16c	Tank Right Sliding Bracket
HAR-5B0003	16d	Tank Fixing Screw	MET-5B0054	16e	Tank Locking Plate
MET-5B0078	17a	Rear Cart Panel	MET-5B0079	17b	Rear Cart Frame
MET-5B0080	17c	Match Holder	MET-5B0058	18	Bottom Cart Panel
MET-5B0081	19	Right Cart Side Panel	MET-5B0082	20	Front Cart Assembly

Replacement Part List (II)

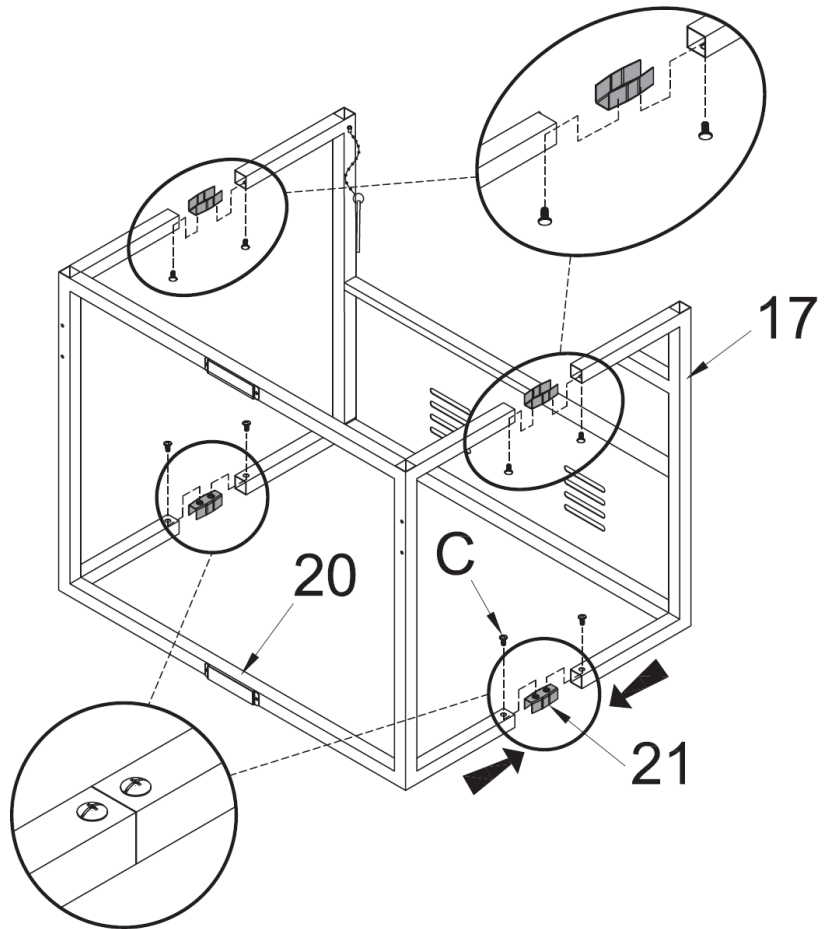
Part Number	Component	Part Name	Part Number	Component	Part Name
MET-5B0061	21	Cart Frame Connecting Tube	MET-5B0062	22	Door Handle
MET-5B0063	23	Left Door Assembly	PLA-5B0006	24	Plastic Insert
MET-5B0064	25	Right Door Assembly	HAR-5B0004	26	Locking Caster
MET-6B0016	27	Griddle	THE-6B0001	28	Grill Body – Thermometer
THE-6B0002	29	Grill Body – Thermometer Bezel	MET-5B0083	30	Side Burner Lid Handle
MET-5B0034	31	Grill Body – Wood Chip Tray Channel	MET-5B0035	32a	Grill Body – Wood Chip Tray Cover
MET-5B0036	32b	Grill Body – Wood Chip Tray			

Assembly Instructions

Step 1.

Connect the **Front Cart Assembly (20)** and **Rear Cart Assembly (17)** with 4 pcs **Cart Frame Connecting Tube (21)** then secure them with 8 pcs **M6x12 Bolts Black (C)**. Do not fully tighten the bolts.

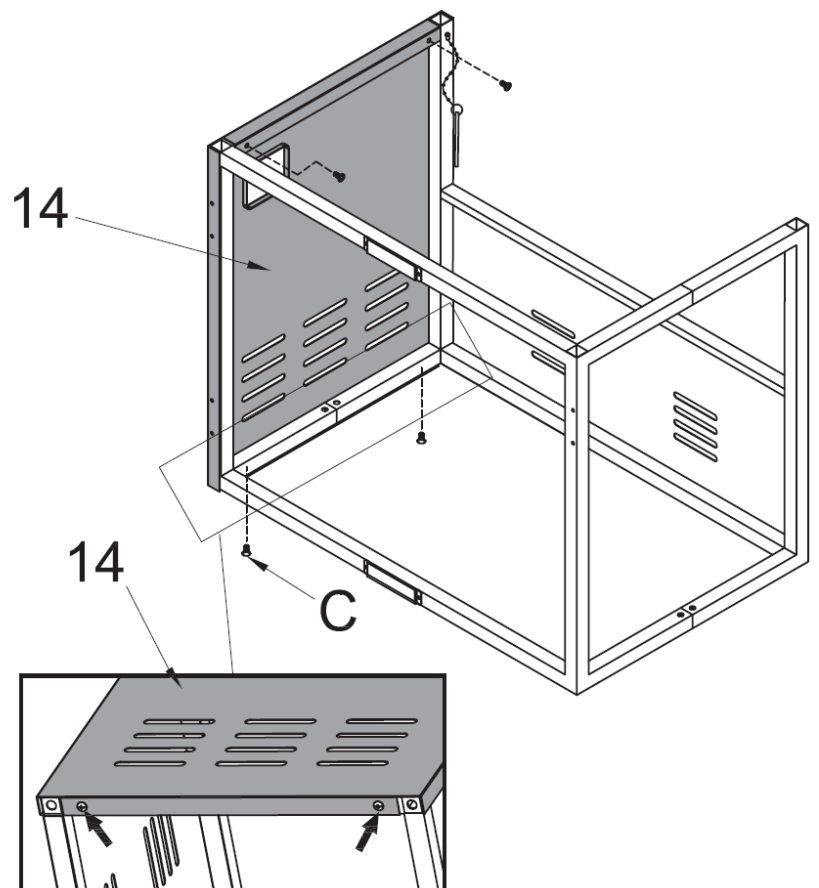
Hardware:
#C – 8 pcs



Step 2.

Attach the **Left Cart Side Panel Assembly (14)** to the cart assembly using 4 pcs **M6x12 Bolts Black (C)**. Do not fully tighten the bolts.

Hardware:
#C – 4 pcs



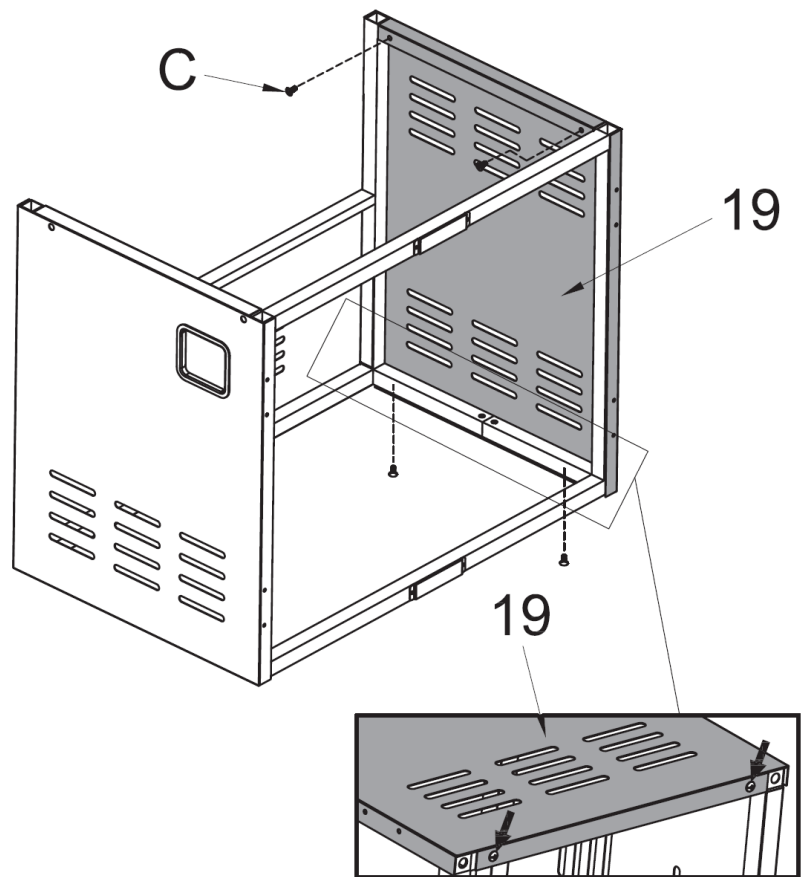
Assembly Instructions

Step 3.

Attach the **Right Cart Side Panel (19)** to the cart assembly using 4 pcs **M6x12 Bolts Black (C)**. Do not fully tighten the bolts.

Hardware:

#C – 4 pcs

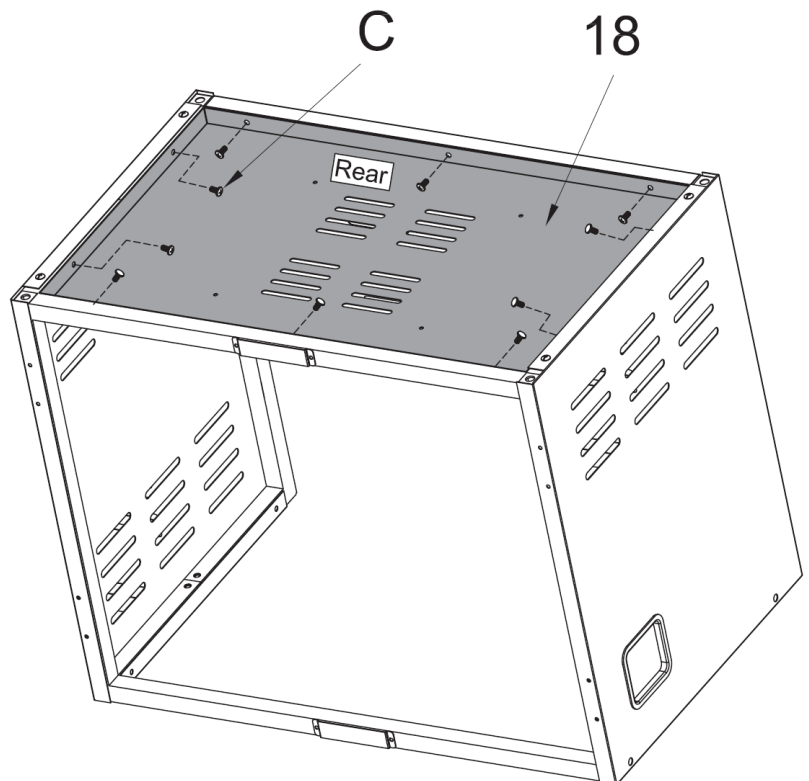


Step 4.

Attach the **Bottom Cart Panel (18)** to the cart assembly using 10 pcs **M6x12 bolts Black (C)**. Please follow the label at the bottom of the cart panel to identify the rear position. Fully tighten all the bolts in the cart assembly.

Hardware:

#C – 10 pcs



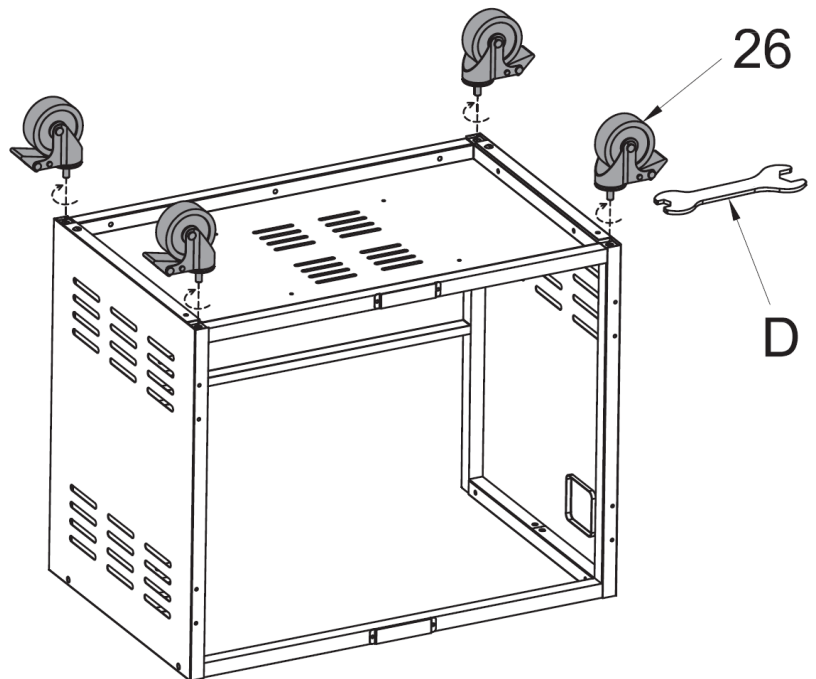
Assembly Instructions

Step 5.

Insert the **Locking Casters (26)** into the threaded holes on the bottom of the cart assembly. Use the **Hex Nut Wrench (D)** to tighten the caster by turning in clockwise until it is fully secured.

Tool:

#D – 1 pc

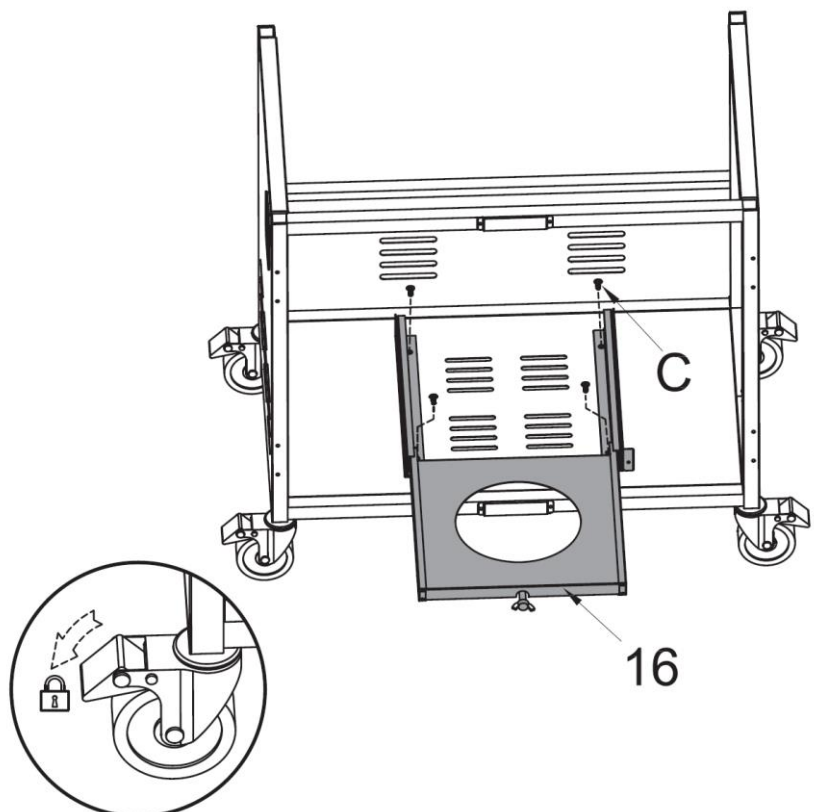


Step 6.

Lock all 4 locking casters to prevent the unit moving by stepping the pad downwards. Slide the tank holder base from the **Tank Holder Assembly (16)** then attach it to the cart assembly using 4 pcs **M6x12 bolts Black (C)** as shown.

Hardware:

#C – 4 pcs



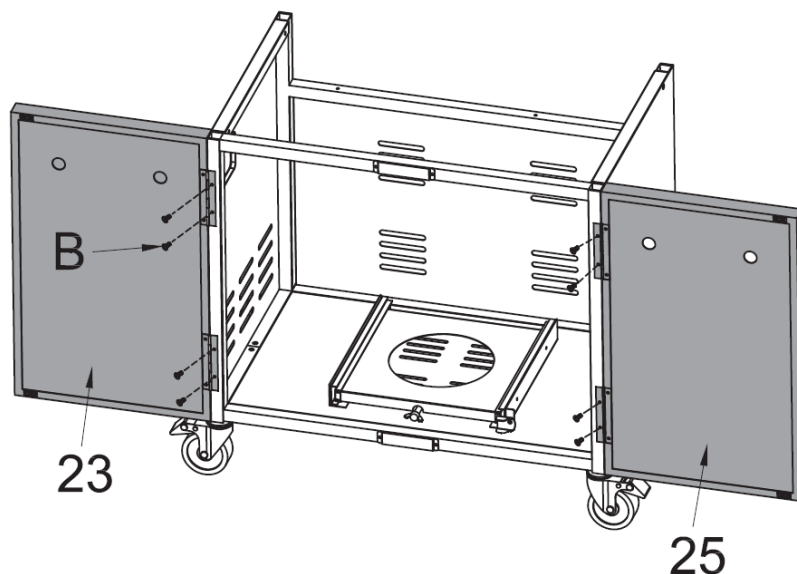
Assembly Instructions

Step 7.

Attach the **Left Door Assembly (23)** and **Right Door Assembly (25)** to the cart assembly using 8 pcs **M4x10 bolts Silver (B)**.

Hardware:

#B – 8 pcs

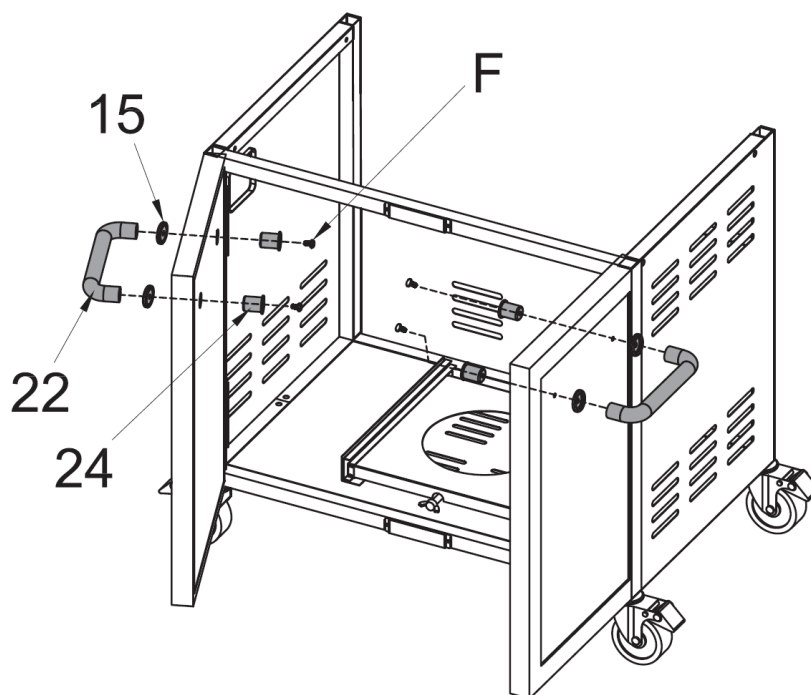


Step 8.

Attach the **Door Handles (22)** and **Door Handle Bezels (15)** to the doors with the **Plastic Inserts (24)** using 4 pcs **M6x12 bolts Silver (F)** as shown.

Hardware:

#F – 4 pcs



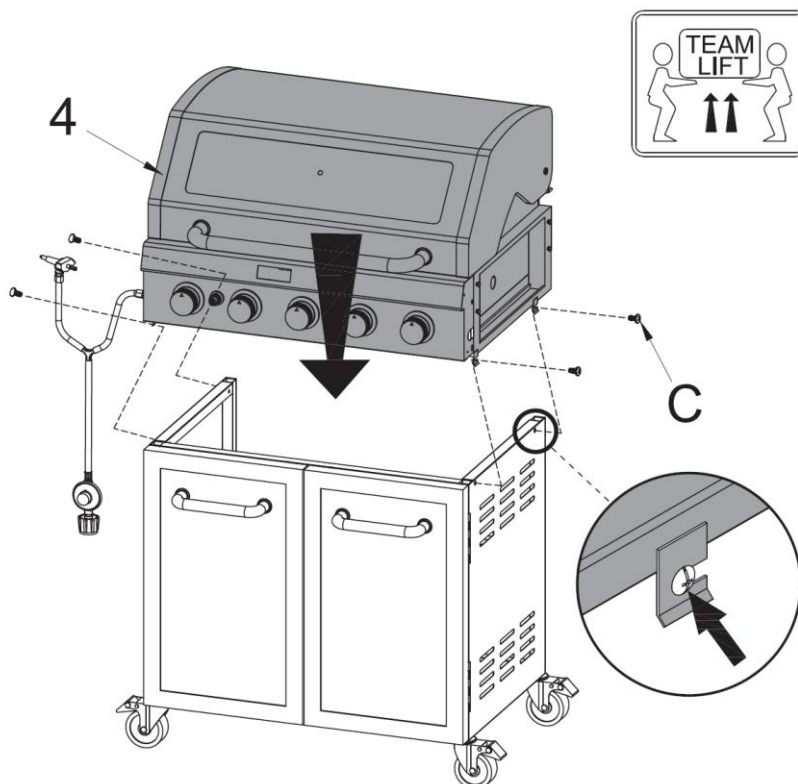
Assembly Instructions

Step 9.

This step needs two people to complete! Put the **Grill Body assembly (4)** carefully on top of the cart assembly. Secure the part in place as shown with 4 pcs of **M6x12 bolts Black (C)** as shown. Be careful to support the grill body and cart assembly during this step.

Hardware:

#C – 4 pcs



Step 10.

Remove 2 sets of pre-attached **M4X8 Bolts (G)**, **M4 Washers (H)** and **M4 Nuts (I)** on the **Wood Chip Tray Channel (31)**.

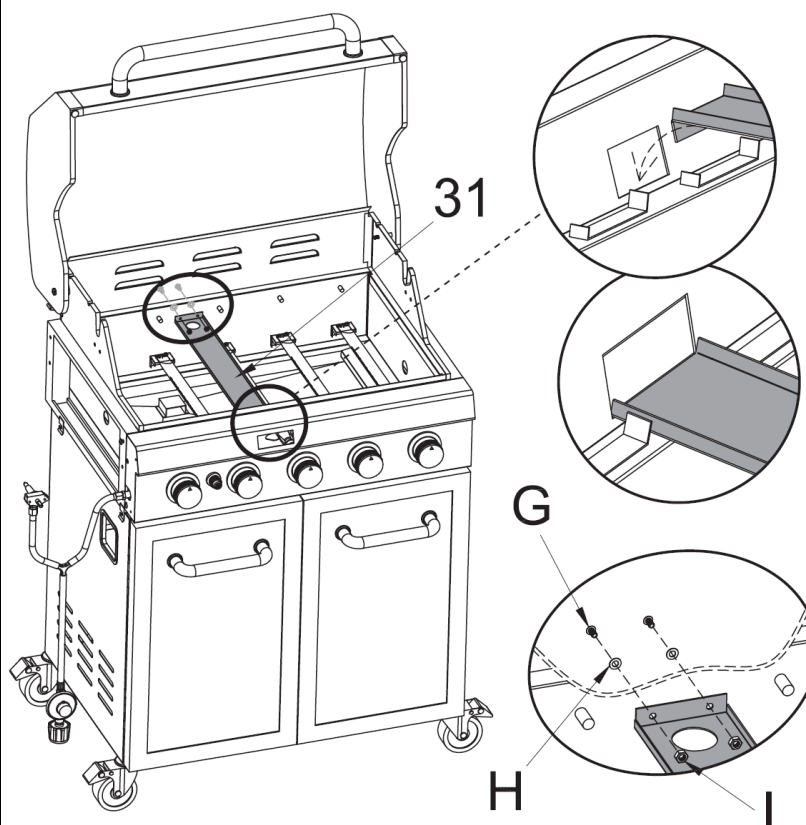
Attach the **Wood Chip Tray Channel (31)** to the grill body by using the removed hardware as shown.

Hardware:

#G – 2 pcs

#H – 2 pcs

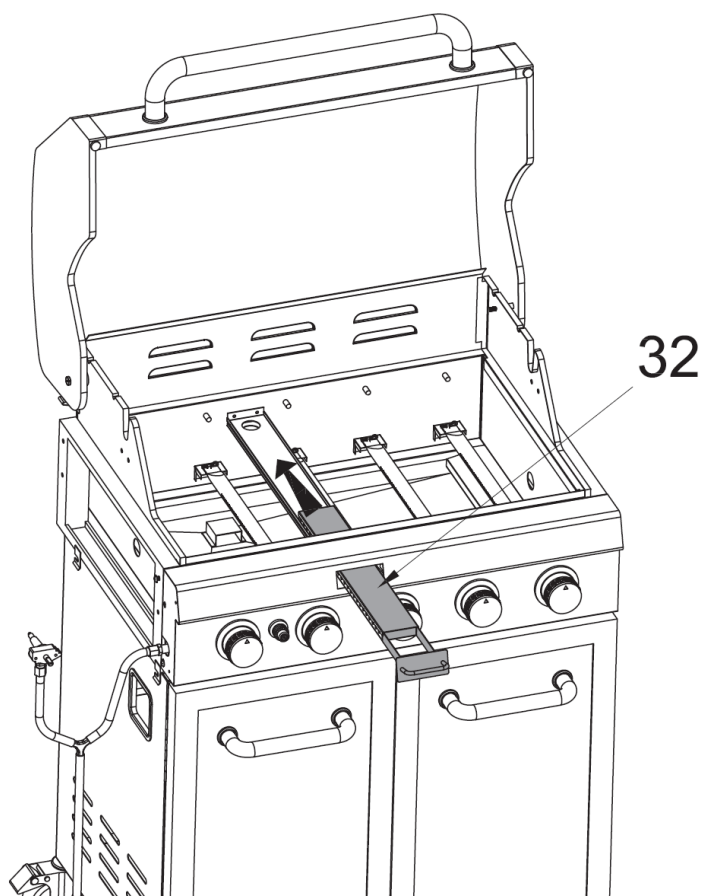
#I – 2 pcs



Assembly Instructions

Step 11.

Slide the **Wood Chip Tray Assembly (32)** into the wood chip tray channel as shown.



Step 12.

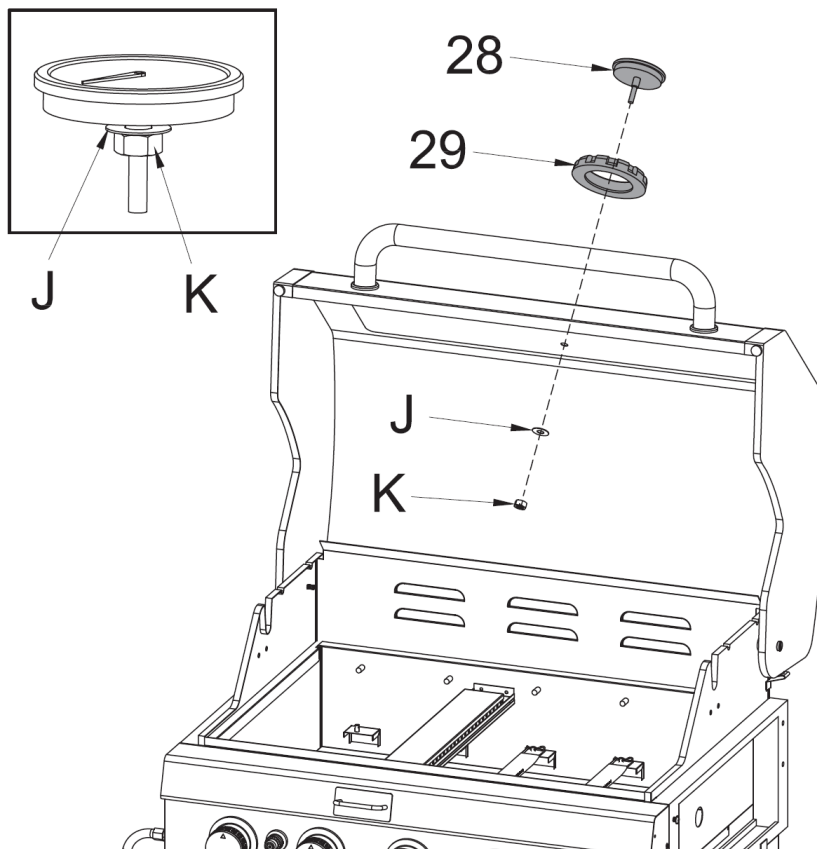
Disassemble the **Thermometer Washer (J)** and **Thermometer Nut (K)** from the **Thermometer (28)**.

Attach the thermometer and the **Thermometer Bezel (29)** to the grill lid. Align them through the hole on the lid and place the washers underneath the nut then tighten the nut as shown.

Hardware:

#J – 1 pc

#K – 1 pc



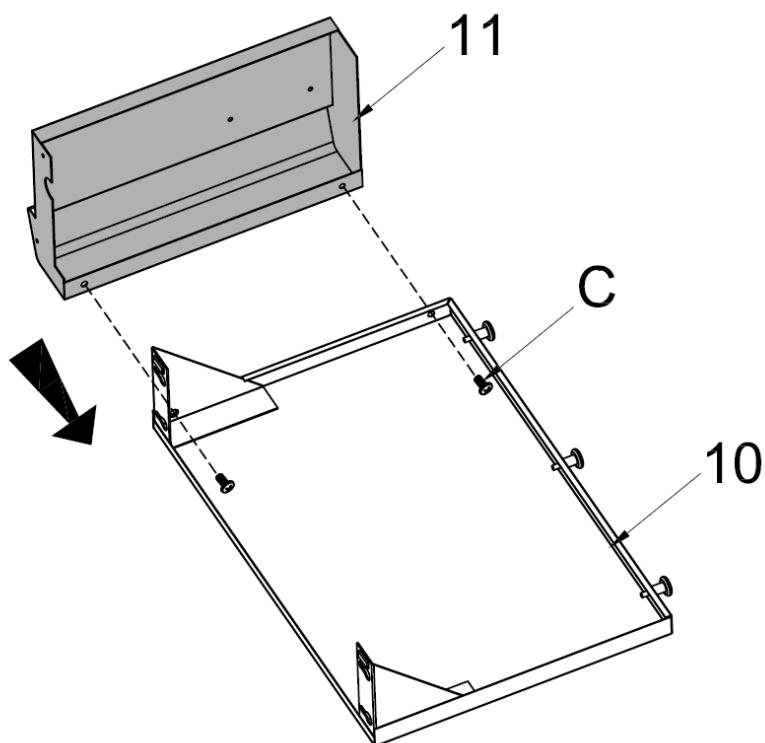
Assembly Instructions

Step 13.

Attach the **Side Table Panel (11)** to the **Side Table Assembly (10)** using 2 pcs **M6x12 bolts Black (C)**.

Hardware:

#C – 2 pcs



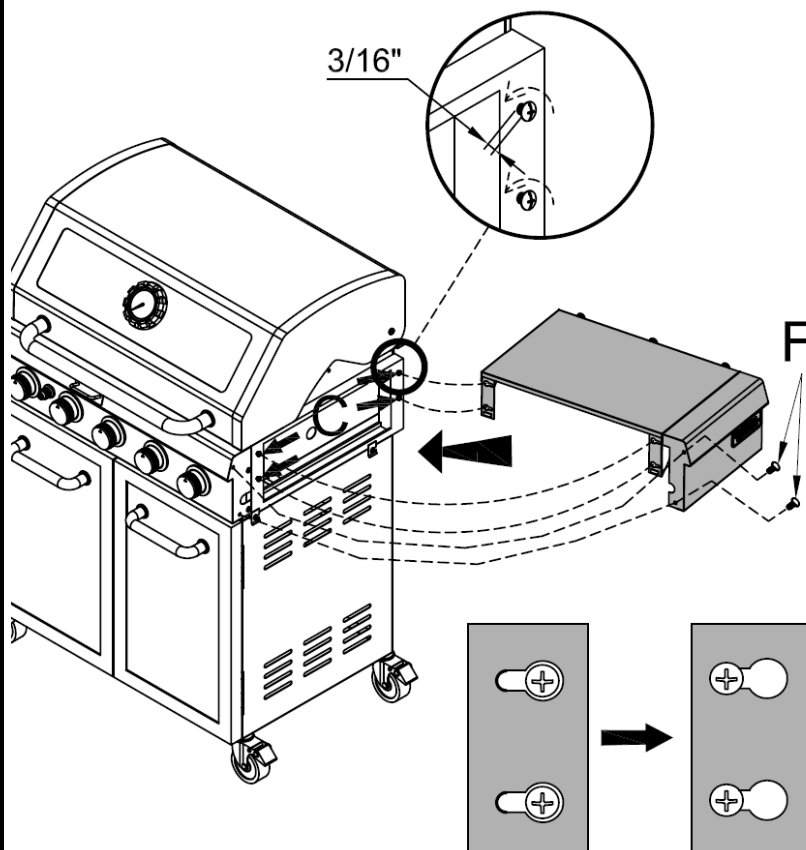
Step 14.

Loosen 4 pcs pre-attached bolts **M6x12 bolts Black (C)** on the right side of the grill body and adjust to $\frac{3}{16}$ " clearance as shown. Position the holes on the side table assembly through the bolts at grill body as shown. Push the side table assembly rightwards to lock it in place and tighten all bolts. Secure the side table assembly to the control panel of the grill body assembly using 2 pcs **M6x12 bolts Silver (F)**.

Hardware:

#C – 4 pcs

#F – 2 pcs



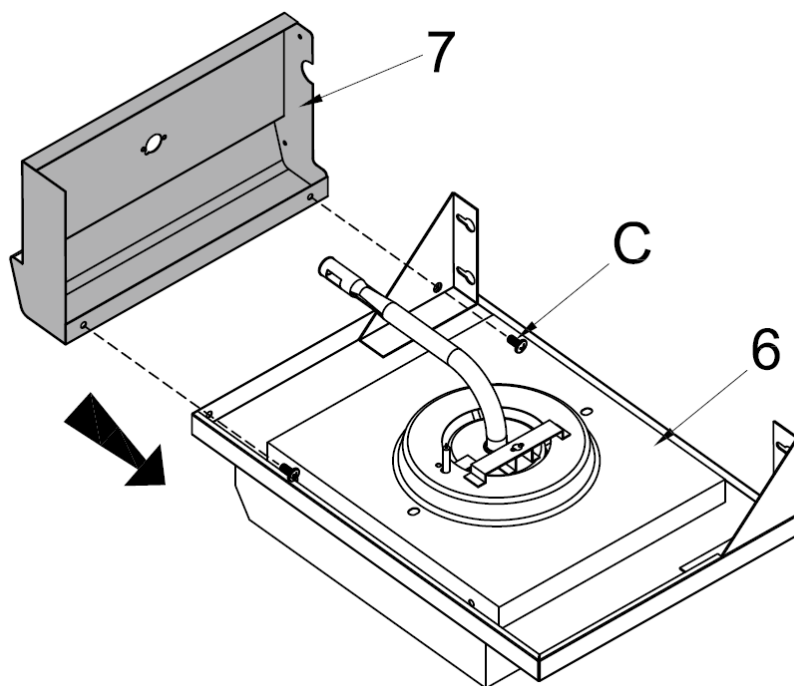
Assembly Instructions

Step 15.

Attach the **Side Burner Control Panel (7)** to the **Side Burner Assembly (6)** using 2 pcs **M6x12 bolts Black (C)**.

Hardware:

#C – 2 pcs

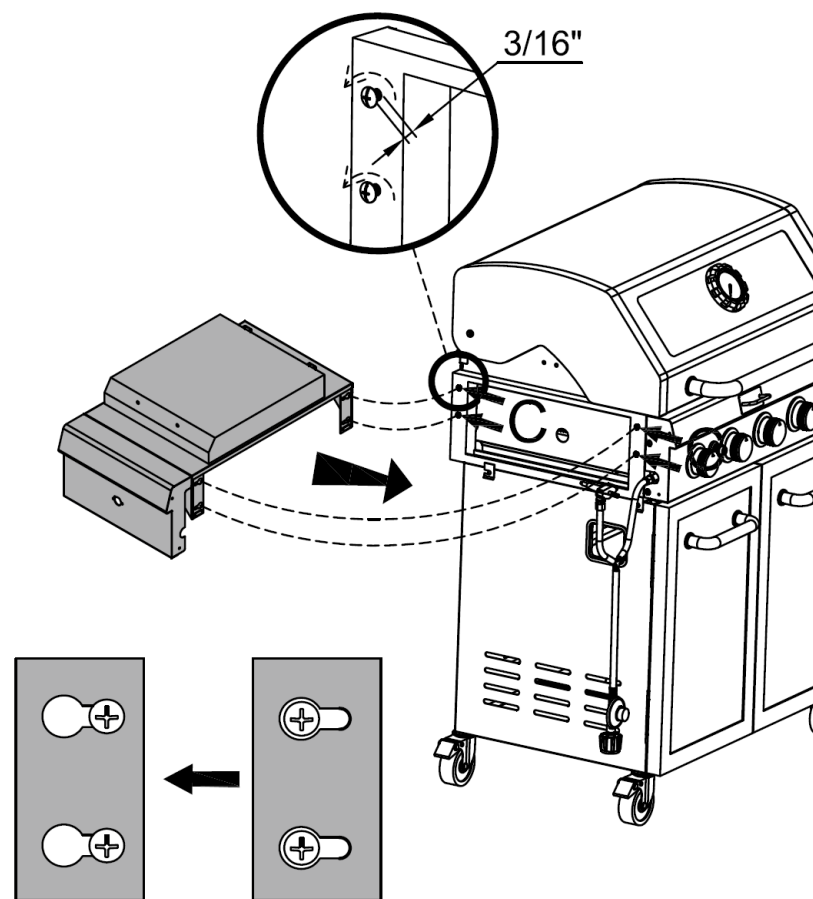


Step 16.

Loosen 4 pcs pre-attached bolts **M6x12 bolts Black (C)** on the left side of the grill body and adjust to 3/16" clearance as shown. Position the holes on the side burner assembly through the bolts at grill body as shown. Push the side burner assembly leftwards to lock it in place and tighten all bolts.

Hardware:

#C – 4 pcs



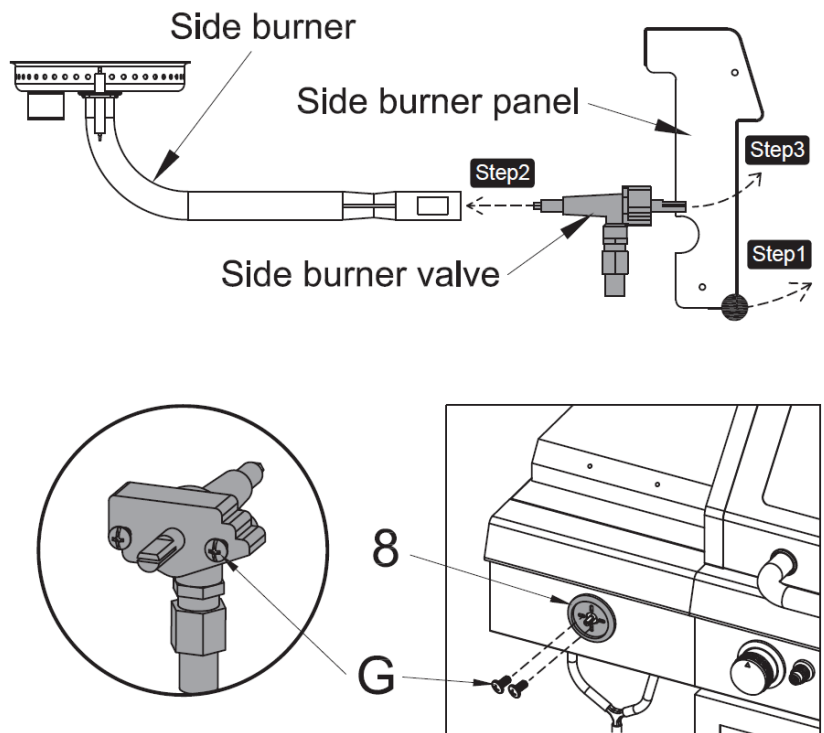
Assembly Instructions

Step 17.

Remove 2 pcs pre-assembled bolts **M4x8mm (G)** from the side burner valve. Pull the side burner panel slightly forward (Step 1) and insert the valve outlet (orifice) into the side burner port (Step 2). Then insert the valve to the hole on side burner control panel (Step 3). Fix the side burner valve onto the **Control Knob Bezel (8)** using the removed bolts. Make sure that the valve outlet (orifice) is inserted **STRAIGHTLY** into the burner port.

Hardware:

#G – 2 pcs



Step 18.

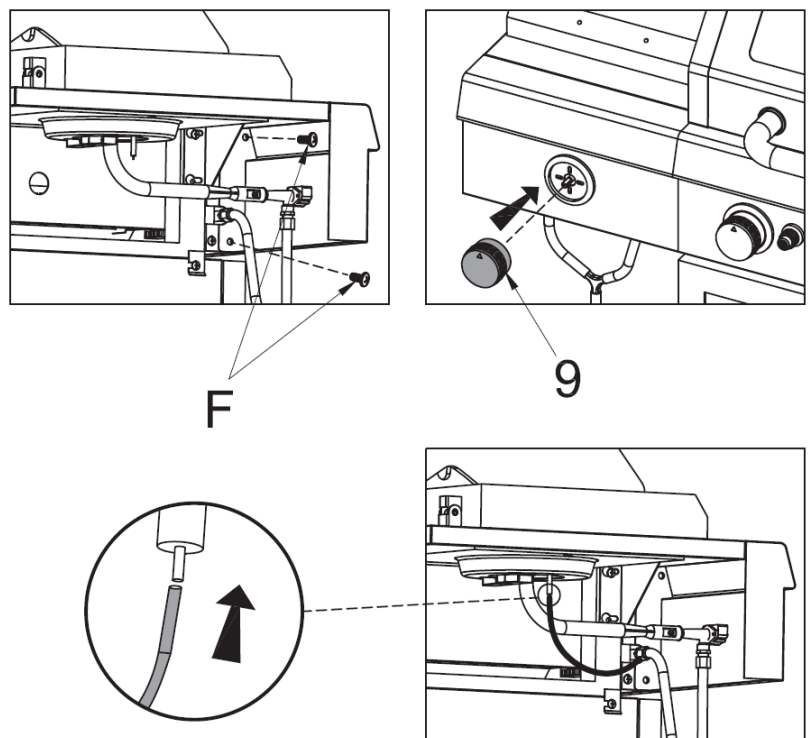
Secure the side burner assembly to the control panel of the grill body assembly by using 2 pcs **M6x12mm bolts Silver (F)**.

Insert the **Control Knob / Side Burner Control Knob (9)** to the pin on the side burner valve. Apply light pressure to secure the knob firmly. Make sure that the flat end of the pin is aligned with the D-shaped hole of the control knob (with the triangle pointing upwards).

Insert the connector of the ignition wire to the terminal of the ignition electrode on the side burner assembly as shown.

Hardware:

#F – 2 pcs

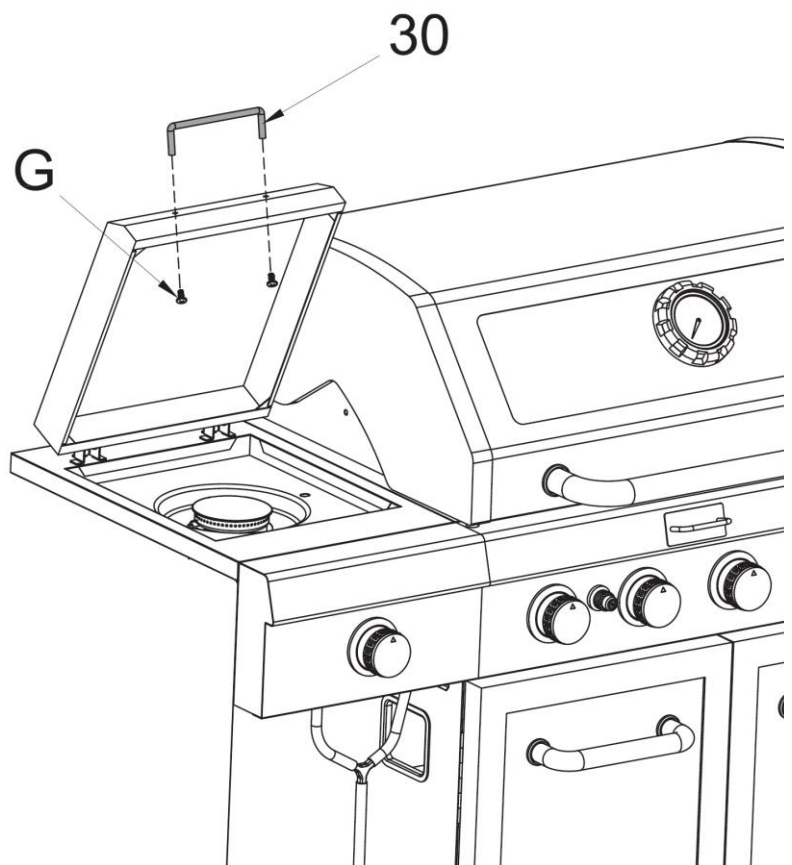


Assembly Instructions

Step 19.

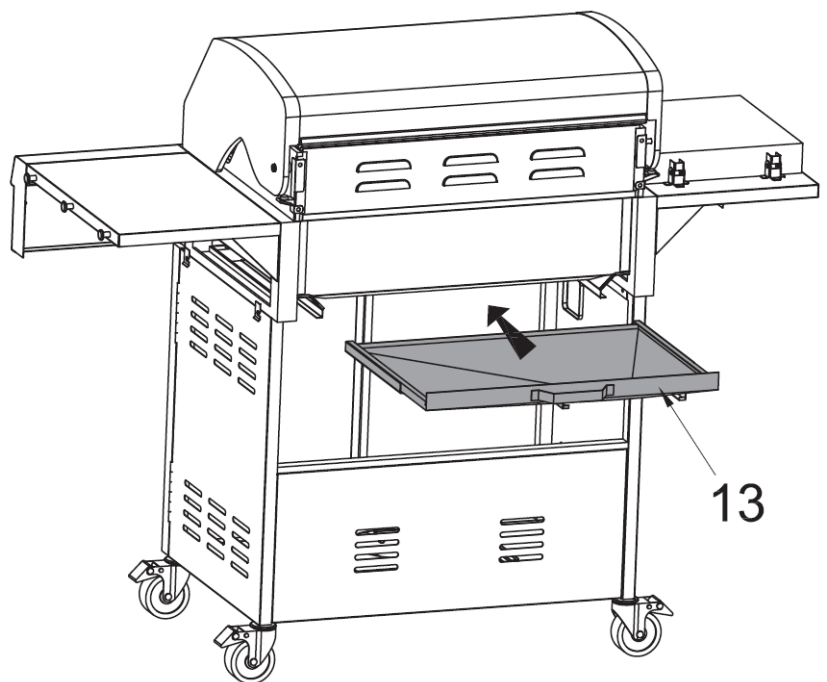
Remove 2 pcs pre-assembled bolts **M4x8mm (G)** from the **Side Burner Lid Handle (30)**. Attach the **Side Burner Lid Handle (30)** to the side burner lid by using the removed bolts.

Hardware:
#G – 2 pcs



Step 20.

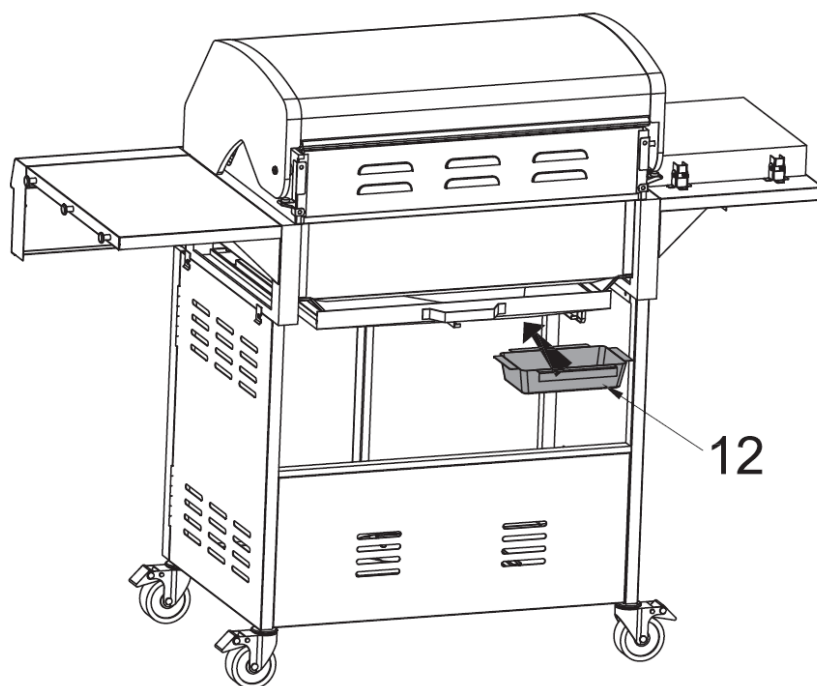
Slide the **Grease Collecting Tray (13)** into the holding bracket at the bottom of the grill body. Be sure the handle is facing outward.



Assembly Instructions

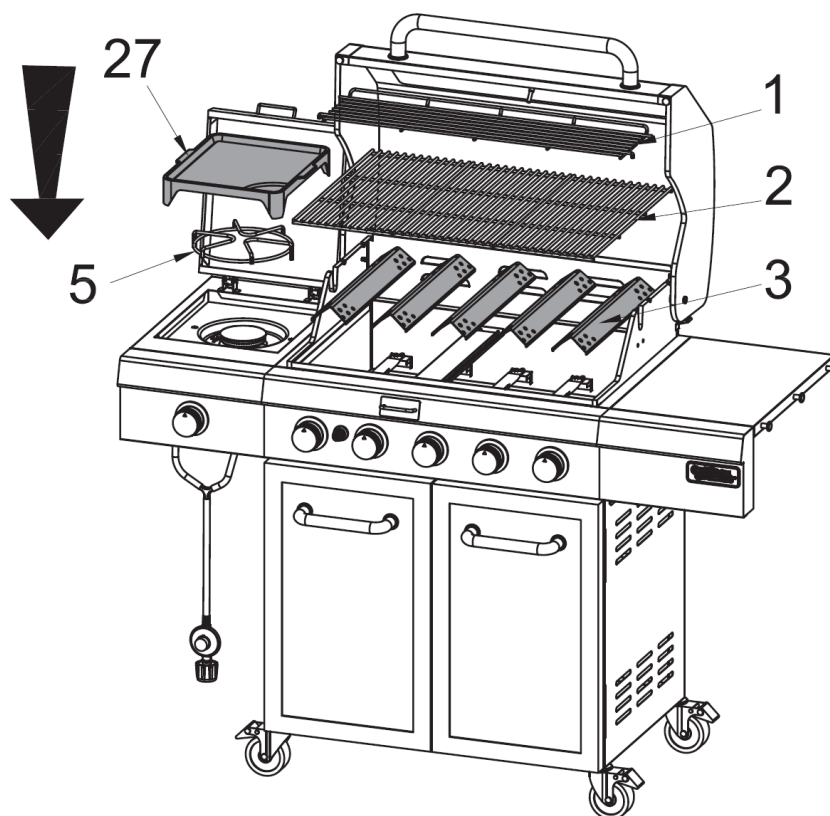
Step 21.

Slide the **Grease Cup (12)** into the holding bracket at the bottom of the drip tray. Be sure the handle is facing outward.



Step 22.

Place the **Warming Rack (1)**, **Cooking Grates (2)**, **Flame Tamer (3)**, **Griddle (27)** and **Side Burner Grate (5)** on the grill as shown.



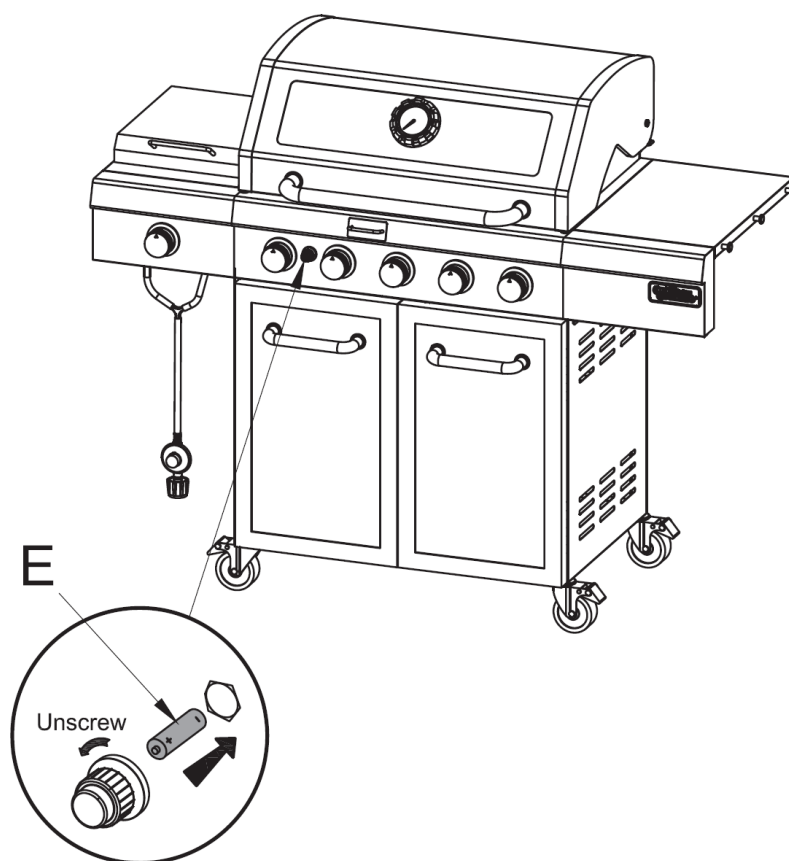
Assembly Instructions

Step 23.

Install a **LR6/AA Battery (E)**
into the igniter.

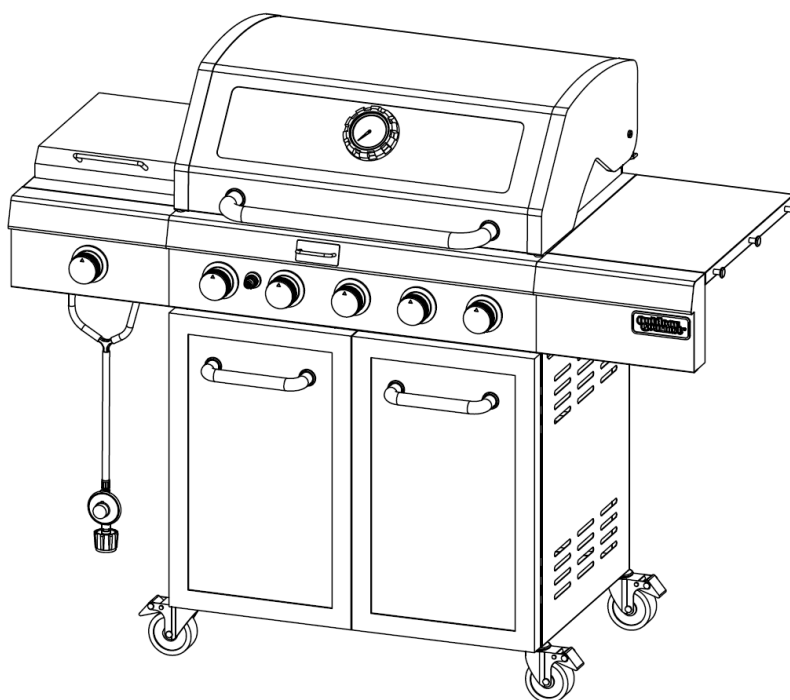
Hardware:

#E – 1 pc



Step 24.

Your unit is fully assembled!
Make sure to read and follow
the complete Instruction
Manual before using this
appliance.



Leak Test

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 entire system for leaks following the procedures listed below. Before using your grill you must check for leaks.

BEFORE TESTING

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



WARNING



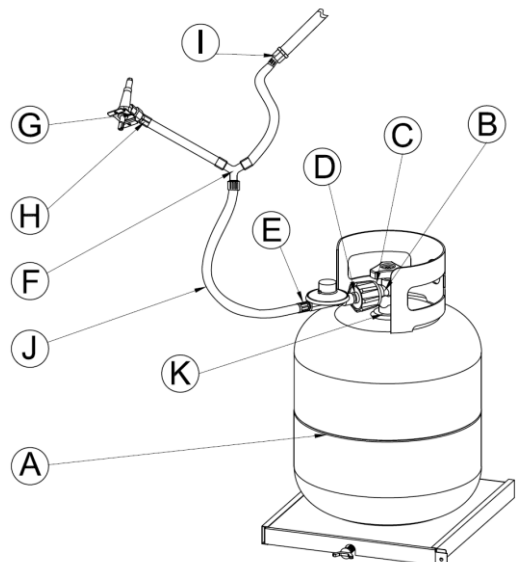
- DO NOT SMOKE WHILE CONDUCTING LEAK TEST.
- NEVER PERFORM LEAK TEST WITH AN OPEN FLAME.
- If it is evident that there is excessive abrasion, wear or the hose is cut, it must be replaced prior to the appliance being put into operation. The replacement hose must be specified by the manufacturer.

TO TEST

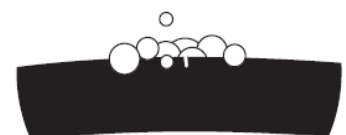
1. Make sure the control valves are in the **OFF** position then turn on the gas supply.

2. Check all connections from the gas cylinder, LP gas regulator and supply valve up to and including all connections to the pipe that go to the burners (Following are the points where the soap water mixture need to apply). Soap bubbles will appear if a leak is present.

- A. Supply tank (Cylinder) weld.
- B. Connection nut to tank valve.
- C. Back side of connection nut to brass nipple.
- D. Brass nipple connections to gas supply hoses.
- E. Regulator connections to gas supply hose.
- F. Gas supply hose connection to side burner valve assembly.
- G. Side burner valve stem cap.
- H. Side burner connection to hose.
- I. Hose connection to gas manifold.
- J. The full length of gas supply hose.
- K. Tank valve to cylinder.



Watch For Bubbles



Leak Test

3. If a leak is present, immediately turn off the gas supply and tighten the leaky fittings.
4. Turn the gas back on and recheck.
5. Should gas continue to leak from any of the fittings, turn off the gas supply and contact customer service department at 1-888-922-2336, 7:00 am to 12:00 am CST (daily) or 1-888-837-1380, Mon to Fri, 10:00am – 7:00pm CST.

Lighting Instructions

BEFORE LIGHTING



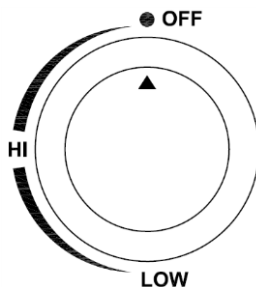
WARNING



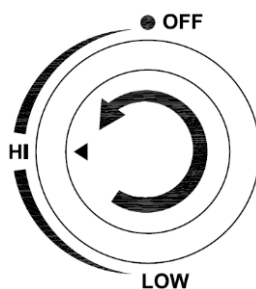
- Inspect the gas supply hose prior to turning the gas **ON**.
- If there is evidence of cuts, wear, or abrasion, the hose must be replaced prior to use.
- Do not use the grill if the odor of gas is present.
- Only the pressure regulator and hose assembly supplied with the unit should be used.
- Perform the "**LEAK TEST**" according to the instructions before operating the grill.
- **ALWAYS** keep your face and body away from the burner while lighting.

LIGHTING THE MAIN BURNER AND SIDE BURNER OF THE GRILL

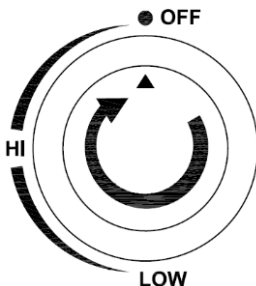
1. Read instructions before lighting.
2. Open lid before lighting.
3. Make sure all control knobs are in the "**OFF**" position.



4. Turn ON gas valve from LP tank.
5. Push and turn any main burner or side burner control knob to "**HI**" and immediately press and hold the electronic ignition button.



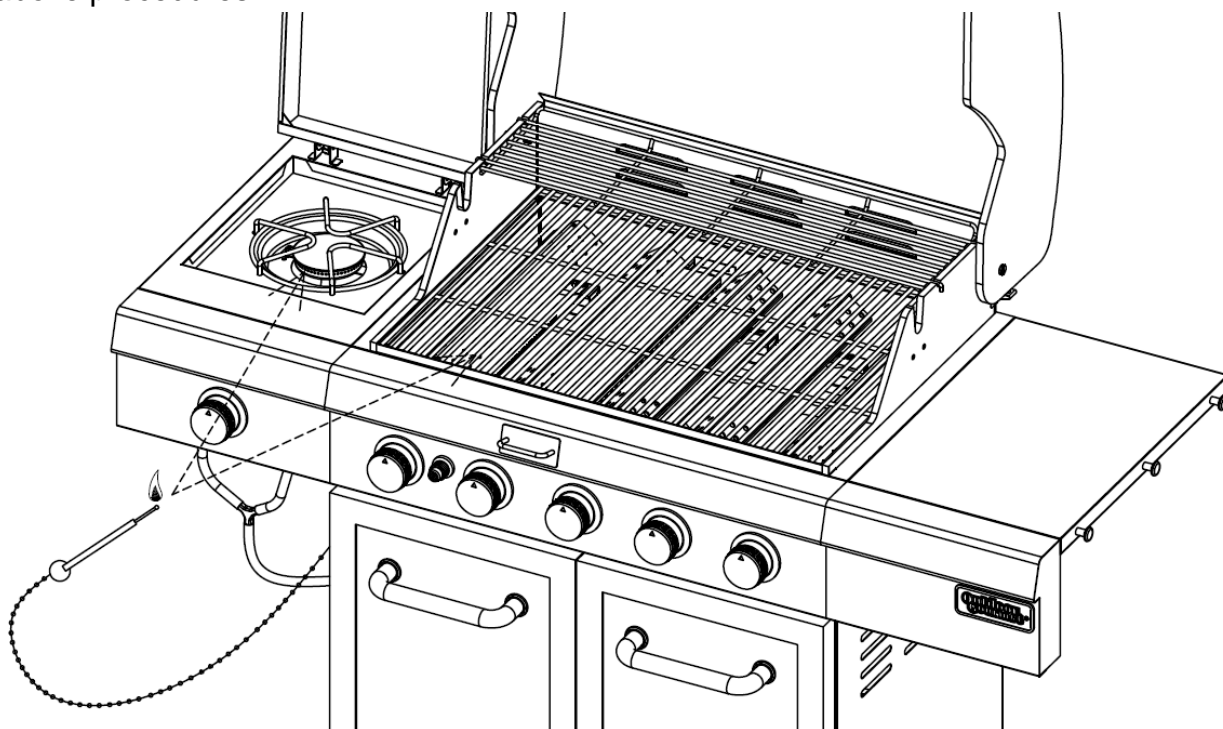
6. If ignition does not occur in 5 seconds, turn the burner controls off, wait 5 minutes, and repeat the lighting procedure.
7. Repeat above steps to light each burner individually.
8. To turn burners off, turn the control knobs clockwise until they lock in the **OFF** position.



Lighting Instructions

USING MATCH HOLDER TO LIGHT BURNER

1. Turn off all burner valves.
2. Make sure the lid is open.
3. Place a lighted match on the match holder and hold next to the burner.
4. Turn the control knob(s) to the “HI” position. Burner should light immediately.
5. If the burner does not light in 5 seconds, turn the knob off and wait for 5 minutes then repeat above procedures.



DANGER

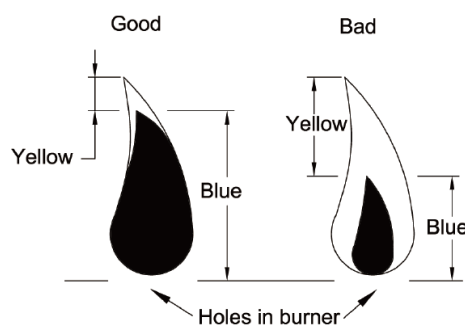


- Keep your face and hands as far away from the grill as possible when lighting it.

FLAME CHARACTERISTICS

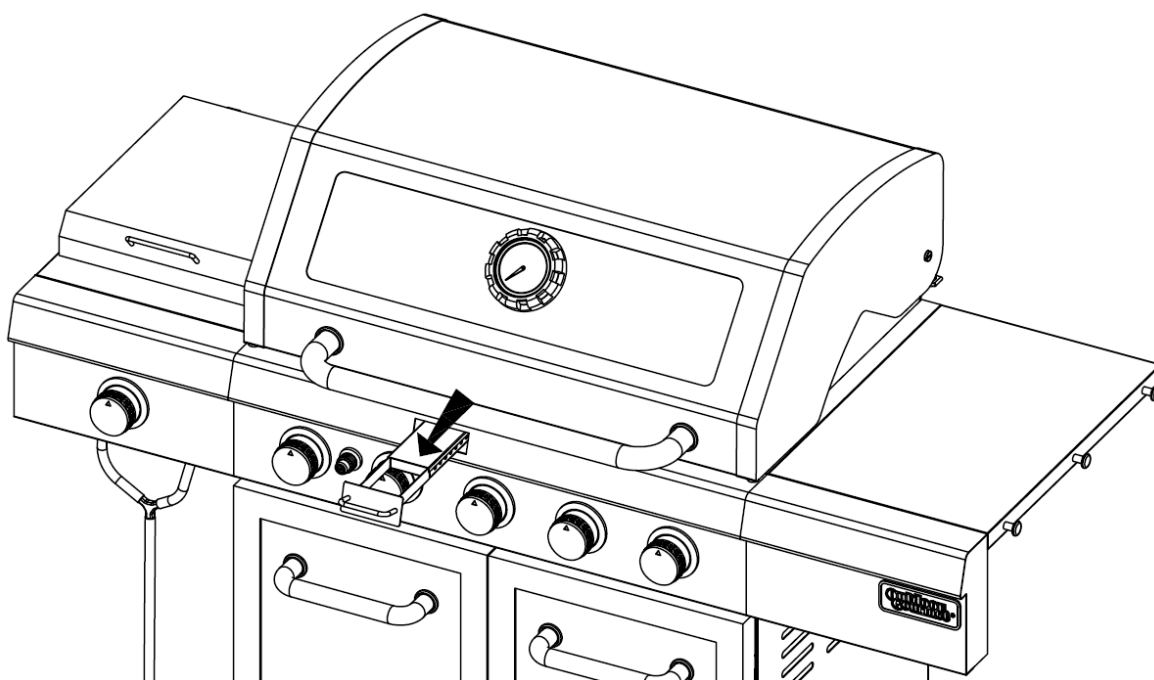
This procedure outlines how to check for proper burner flame characteristics.

Burner flames should be blue and stable with little yellow tips, with no excessive noise, or lifting. 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. If any of these conditions exist call our customer service line. Visually check the burner flames prior to each use. The flames should look like this picture. If not, refer to the burner maintenance part of this manual.

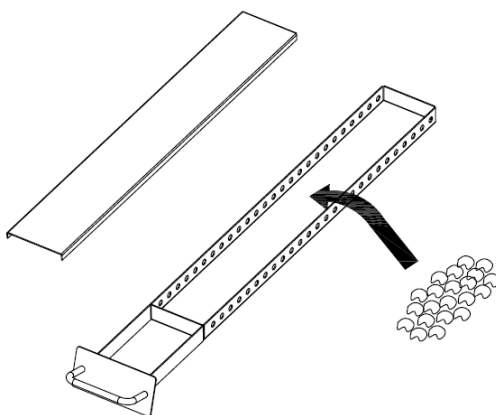


Wood Chip Tray Operation Instructions

1. Soak the wood chips in water for 1 hour prior to use.
2. Pull out the wood chip tray from the grill body as shown.



3. Open the wood chip tray cover and place the soaked wood chips into the tray.



4. Cover the tray and insert it back to the grill body.
5. Close the grill lid until the chips begin smoking.
6. Keep the grill lid used during cooking to allow smoke to infuse food.

Adding wood chips

To add wood chips before cooking, simply fill the wood chip tray with your choice of flavoring hardwood chips. The amount and type of wood you use is entirely up to you. One full tray is typically enough for several hours of smoking. Once the tray is filled, place the lid on top of the tray and set the tray back to the grill. To add wood chips while cooking, we recommend using tongs or long handled pliers to remove the tray lid and to place the pieces into the wood chip tray without removing the tray. It is not recommended to remove the wood chip tray while in operation.

Wood Chip Tray Operation Instructions



CAUTION



The wood chip tray and lid get very hot. Avoid handling them while in use. Always wear protective oven mitts when handling hot components.

Cooking Tip – Flavoring wood:

- Small wood chips work best inside the wood chip box.
- Use dry hardwoods such as hickory, pecan, apple, cherry, or mesquite.
- Most fruit or nut tree woods produce excellent smoke flavoring.
- Do not use resinous woods such as pine or plywood. These usually produce unpleasant flavoring.
- Let your taste be your guide – experiment with different types and quantities of wood chunks, chips, or sticks. You can even mix woods.
- To produce more smoke and to prevent fast burning, pre-soak the wood chips in a separate bowl of water for at least 20 minutes, or wrap the chips in perforated aluminum foil.
- Most smoke flavoring occurs within the first hour of cooking. Adding wood chips after the first hour is typically not necessary unless extra smoke flavoring is desired.

Care and Maintenance

You should inspect the burners at least once a year or immediately after any of the following conditions occur:

1. The smell of gas in conjunction with the burner flames appearing yellow.
2. The grill does not reach temperature.
3. The grill heats unevenly.
4. The burners make popping noises.



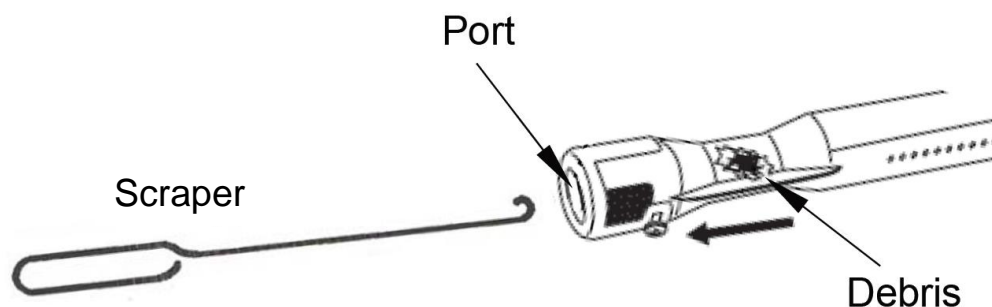
WARNING



- ENSURE that the gas supply and the knobs are in **OFF** position **BEFORE** cleaning the burners.

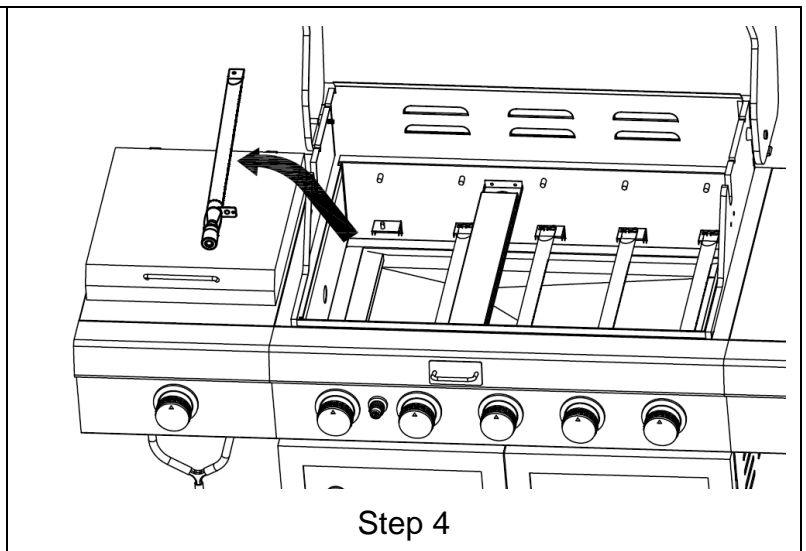
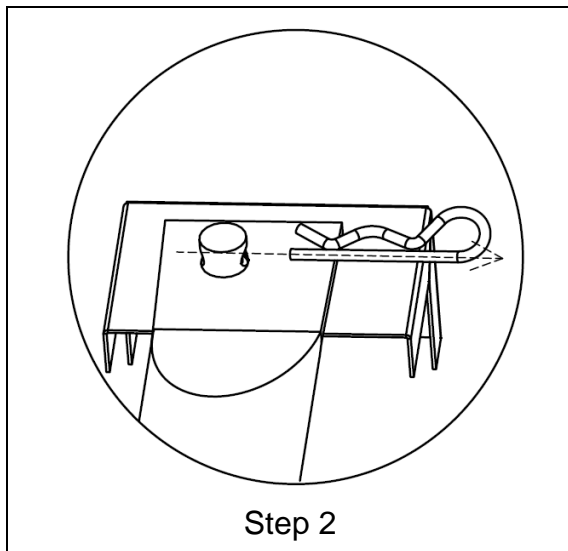
BURNER CLEANING:

1. Turn off the gas supply and make sure all the knobs are in the **OFF** position.
2. Wait for the grill to cool.
3. Open the lid and remove the cooking grates and flame tamers.
4. Remove the cotter pin and lift the burner out of the firebox.
5. Checking and cleaning burner/venturi tubes for inserts and insert nests. A clogged tube can lead to a fire beneath the grill.
6. Clean the exterior of the burner with a brass brush. Use a metal scraper to remove stubborn stains.
7. Clear clogged ports with a straightened paper clip. Never use a wooden toothpick as it may break off and clog the port.
8. If insects or other obstructions are blocking the flow of gas through the burner, call customer service at 1-888-922-2336 or 1-888-837-1380. Make sure to center the burner over the orifice.



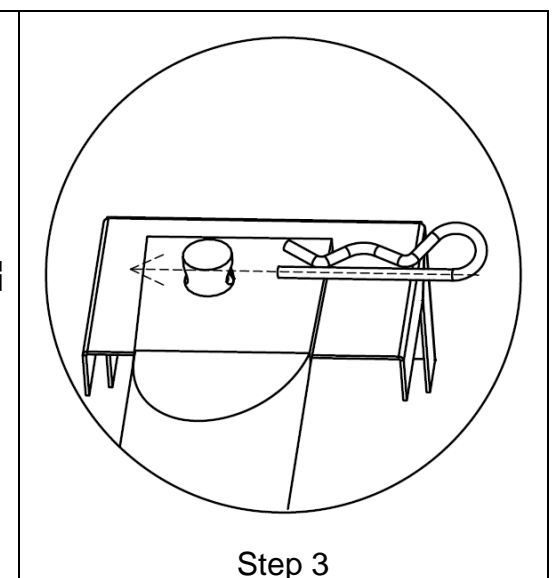
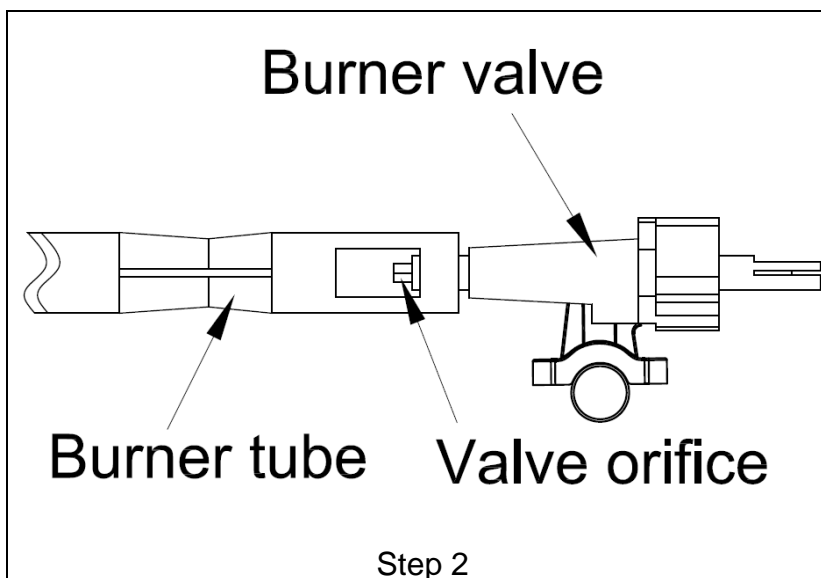
MAIN BURNER REPLACEMENT:

1. Remove the cooking grates and flame tamers.
2. Remove the burner cotter pin as shown.
3. Remove the fixing bolt of the ignition electrode & unplug the electrode wire.
4. Remove the burner from the grill body.



TO REINSTALL THE MAIN BURNERS:

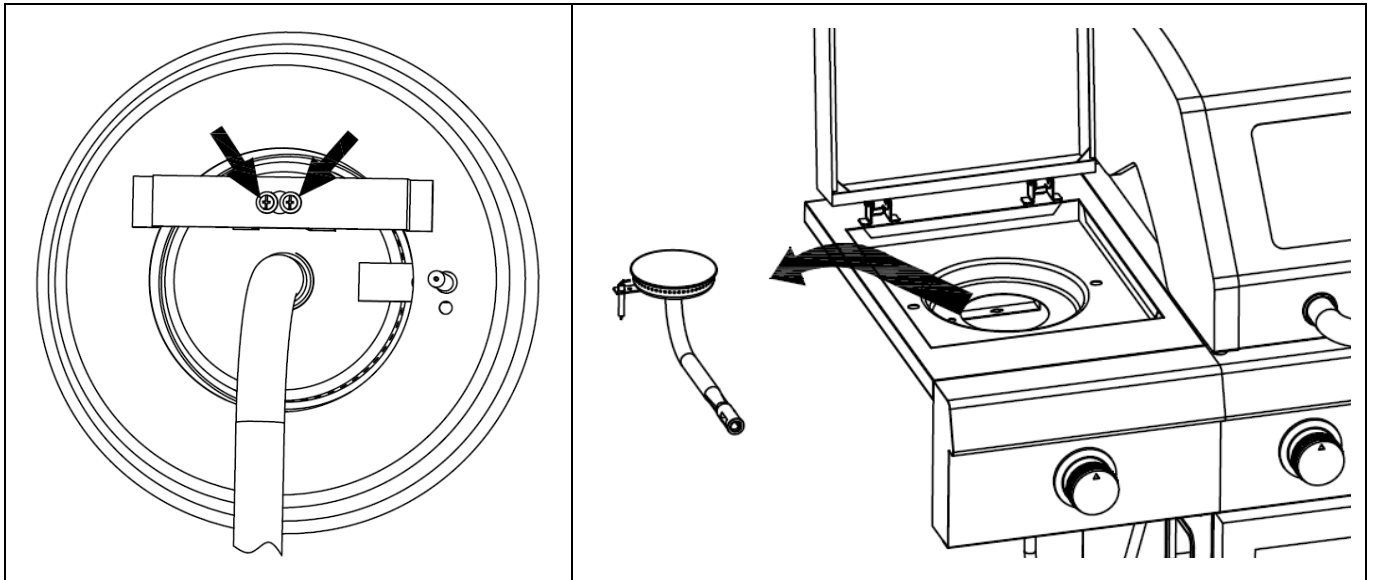
1. Insert the fixing bolt of the ignition electrode & plug in the electrode wire then tighten the bolt.
2. Insert the burner into the burner valve.
3. Firmly seat the valve orifice into the burner tube. Make sure the Valve orifice is inserted STRAIGHTLY into the burner tube.
4. Position the main burner onto the burner support at the firebox and align all the holes together. Insert the burner fixing pin through the holes and plug the cotter pin into the hole of the burner fixing pin.



Care and Maintenance

SIDE BURNER REPLACEMENT:

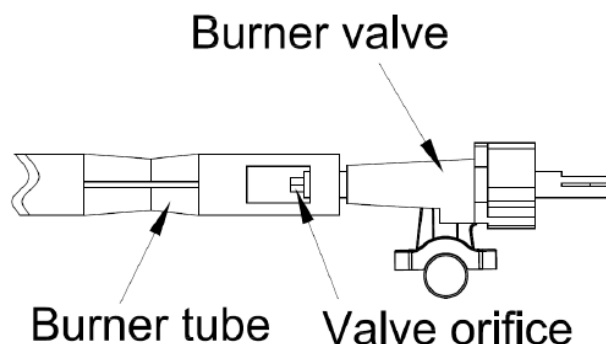
1. Open the side burner lid and remove the griddle and side burner grate.
2. Remove two burner fixing bolts at the bottom of side burner assembly as shown.
3. Unplug the ignition wire on the side burner.
4. Remove the burner as shown.



PROPERLY INSTALL THE BURNER

Firmly seat the valve orifice into the burner tube. Make sure the valve orifice is inserted **STRAIGHTLY** into the burner tube.

Burner flames will be yellow, with excessive noise, lifting or flash back if the burner is not installed properly.



CLEANING AND MAINTAINING THE GRIDDLE

To clean the griddle after each use, gently scrape off all food residues and wipe down the griddle surface with a cloth or paper towel. For stubborn food residues, pour water onto the hot griddle surface and let it boil the residues off.

After you have used your griddle, you should apply a thin coat of cooking oil to maintain the seasoning bond and protect it from rust. Store your unit in a cool and dry place.

TO PREVENT RUSTING

Re-season your griddle frequently. If rust occurs, rub it off with steel wool or high grit sandpaper and re-season the surface. Remind to always completely dry the griddle before storing and keep away from rain and sprinklers.

Trouble Shooting

Problem:	Possible Causes:	Corrective Actions:
Burner cannot light.	<ol style="list-style-type: none"> 1. LP cylinder fuel is used up. 2. Bad electrode spark. 3. Burner may not be properly seated. 4. Burner may be obstructed. 5. The cylinder valve may be closed. 6. Regulator is not properly seated on cylinder valve. 	<ol style="list-style-type: none"> 1. Change a new full LP cylinder. 2. Check to see if the spark will match with the vents of burner. Electrode or collector may need adjustment. 3. Refer to the section of "To Reinstall The Main Burners" at P.36 to reinstall burner properly. 4. Refer to the section of "Burner Cleaning" at P.35 to clean the burner. 5. Check then open the cylinder valve. 6. Refer to the section of "Connection Procedures" at P.7 to reinstall the regulator properly.
Fire at control knob.	<ol style="list-style-type: none"> 1. Burner is improperly seated on control valve. 2. Gas connections may be loose. 3. Burner holes may be obstructed. 	<ol style="list-style-type: none"> 1. Refer to the section of "To Reinstall The Main Burners" at P.36 to reinstall burner properly. 2. Refer to the section of "Leak Test" at P.29-30 to check and tighten all connections. 3. Refer to the section of "Burner Cleaning" at P.35 to clean the burner.
Yellow flame at burner.	<ol style="list-style-type: none"> 1. Burner is obstructed. 	<ol style="list-style-type: none"> 1. Refer to the section of "Burner Cleaning" at P.35 to clean the burner.
Flame blows out on "LOW".	<ol style="list-style-type: none"> 1. Burner holes may be obstructed. 2. Grill is not sufficiently preheated. 3. Burner is improperly seated on control valve. 	<ol style="list-style-type: none"> 1. Refer to the section of "Burner Cleaning" at P.35 to clean the burner. 2. Preheat the grill for sufficient time. 3. Refer to the section of "To Reinstall The Main Burners" at P.36 to reinstall burner properly.
Burner does not get hot enough.	<ol style="list-style-type: none"> 1. Flow control device has been activated in regulator. 	<ol style="list-style-type: none"> 1. Reset the regulator. Turn off all burners and close the LP tank valve. Disconnect the regulator from the LP tank and wait for one minute. Reconnect the regulator to the LP tank and slowly open the LP tank valve until the valve is fully open. Light all burners and observe the temperature.
Grill is too hot.	<ol style="list-style-type: none"> 1. Excess grease build-up causing grease fires. 2. Damaged or faulty regulator. 	<ol style="list-style-type: none"> 1. Refer to the section of "Care and Maintenance" at P.35-37 to clean the grill properly. 2. Replace the damaged parts with factory authorized component.

Warranty Information

1. Manufacturer warrants this Product to be free from defects in workmanship and materials for a period of 1 year from the date of purchase, PROVIDED claims are submitted, in writing, with proof of purchase.
2. If any part of this item fails because of a manufacturing defect within the Limited Warranty Period, Manufacturer offers to replace such part(s) provided that such parts have not been improperly repaired, altered, or tampered with or subject to misuse, abuse or exposed to corrosive conditions. This Limited Warranty is, however, subject to certain limitations, exclusions, time limits and exceptions (Hereinafter "Conditions") as listed below. Read these Conditions carefully.
3. This Limited Warranty shall be limited to the replacement or repair of any part(s) which Manufacturer determines, after reasonable examination, to have been defective at the time of manufacturing and manufacturer's obligation(s) shall be limited to replacement, if any, of defective part(s) which shall be shipped at Original Purchaser's expense to Original Purchaser's designated shipping address.
4. This Limited Warranty is given to and covers the **ORIGINAL PURCHASER ONLY** and such coverage terminates 1 year from the date of purchase.
5. **DAMAGE LIMITATION WARNING:** IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING (BUT NOT LIMITED TO) LOSS OF USE OF THE PRODUCT, LOSS OF TIME, LOSS OF FOOD, INCONVENIENCE, EXPENSES FOR TRAVEL, TRANSPORTATION LODGING EXPENSES, LOSS BY DAMAGE TO PERSONAL PROPERTY OR LOSS OF INCOME, PROFITS OR REVENUE.
6. **MANUFACTURER'S OBLIGATION:** Manufacturer's liability shall be limited to the delivery of a good, merchantable Product and, if necessary, the repair or replacement, at manufacturer's option, of any defective part or unit.
7. **TRANSFER LIMITATIONS:** This Limited Warranty is not assignable or transferable. It covers only the original purchaser.
8. **RESERVED RIGHT TO CHANGE:** Manufacturer reserves the right to make changes or improvements to products it produces in the future without imposing on itself any obligations to install the same improvements in the products it has previously manufactured.
9. This Limited Warranty gives the Original Purchaser specific legal rights but there may be other rights which vary by jurisdiction.
10. This warranty does not cover the following items:
 - Chips or scratches on porcelain or painted surfaces.
 - Rust or corrosion is not deemed a manufacturing or materials defect.
 - Discoloration or loss of paint due to handling during assembly, heat or cleaning products. Paint may require touch up.
 - Stainless steel discoloration or corrosion.
 - Consumables such as batteries.

If customer service assistance becomes necessary:

1. The Original Purchaser is responsible for shipping and handling charges of the returned item(s) and replacement parts, if any.
2. All parts to be replaced will need to be shipped before replacement items will be sent.
3. Follow the Customer Service Representative's instructions exactly. If a return is necessary, it must be packed carefully and shipped prepaid.

Should you encounter any problem,
CALL US FIRST.
Do not return product to the store.
WE CAN HELP.

For assistance, contact customer service at customerservice@academy.com /
at 1-888-922-2336, 7:00 am to 12:00 am CST (daily)

or
customerservice@rankam.com /
at 1-888-837-1380, Mon to Fri, 10:00am – 7:00pm CST