



MASTER FORGE and logo design are trademarks or registered trademarks of LF, LLC. All rights reserved.

ITEM#4082878  
4-BURNER GAS GRILL WITH SIDE BURNER  
MODEL#GBC22491L

Español p.27



### **WARNING**

#### **FOR YOUR SAFETY:**

DO NOT LEAVE THIS APPLIANCE UNATTENDED WHILE IN USE, ESPECIALLY COOKING THE FAT-TY MEAT AND CLOSE THE LID TOO LONG TIME.



### **WARNING**

#### **FOR YOUR SAFETY:**

For Outdoor Use Only  
(outside any enclosure)



### **WARNING**

#### **FOR YOUR SAFETY:**

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read this instruction manual thoroughly before installing or servicing this equipment.

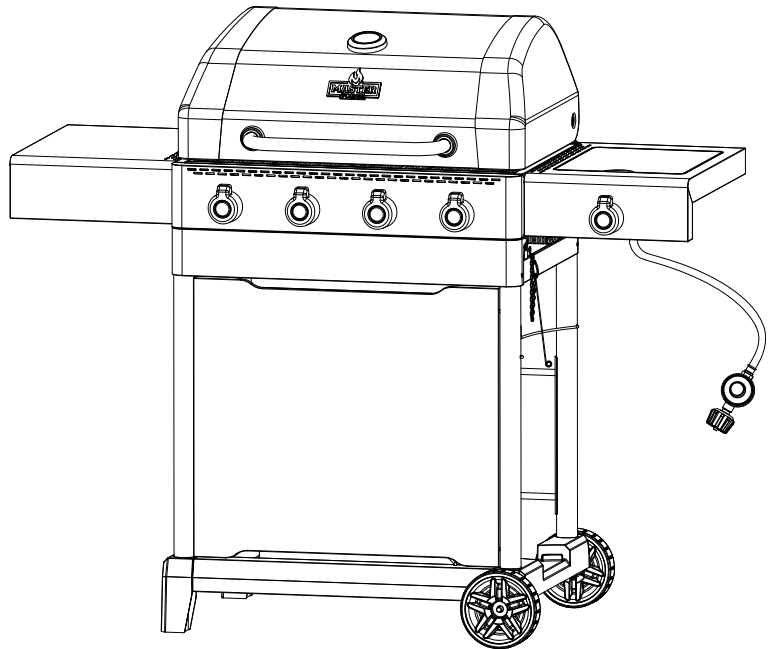


**WARNING:** This product can expose you to chemicals including carbon monoxide, soot, lead and lead components, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



### **DANGER**

Never operate this appliance unattended.



### **DANGER**

If you smell gas -

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



### **WARNING** **FOR YOUR SAFETY:**

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.

ATTACH YOUR RECEIPT HERE

Serial Number \_\_\_\_\_

Purchase Date \_\_\_\_\_



Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 1.800.963.0211, 8 a.m. - 8 p.m., EST, Monday - Sunday. You could also contact us at [partsplus@lowes.com](mailto:partsplus@lowes.com) or visit [www.lowespartsplus.com](http://www.lowespartsplus.com).



# TABLE OF CONTENTS

Safety Information . . . . .	Page 2
Package Contents . . . . .	5
Hardware Contents . . . . .	6
Preparation . . . . .	6
Assembly Instructions . . . . .	7
Installation Instructions . . . . .	19
Operating Instructions . . . . .	20
Care and Maintenance . . . . .	22
Limited Warranty . . . . .	24
Troubleshooting . . . . .	24
Replacement Parts List . . . . .	26

## SAFETY INFORMATION

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

### ▲ WARNINGS:

- ▲ The use and 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.
- ▲ This grill is for outdoor use only, and should not be used in a building, garage or any other enclosed area.
- ▲ Do NOT operate, light or use this appliance within ten feet (3.05 m) of walls, structures or buildings.
- ▲ For residential use only. This grill is NOT for commercial use.
- ▲ This grill is not intended for and should never be used as a heater. TOXIC fumes can accumulate and cause asphyxiation.
- ▲ This grill is safety certified for use in the United States and/or Canada only. Do NOT modify for use in any other location. Modification will result in a safety hazard and will void your warranty.
- ▲ This grill is for use with liquid propane (LP) gas only. The conversion to or attempted use of natural gas in this LP gas grill is dangerous, may cause bodily harm and will void your warranty.
- ▲ LP gas characteristics:
  - a. LP gas is flammable and hazardous if handled improperly. Become aware of the characteristics before using any LP gas product.
  - b. LP gas is explosive under pressure, heavier than air, and settles/pools in low areas.
  - c. LP gas in its natural state has no odor. For your safety, an odorant is added that smells like rotten cabbage.
  - d. Contact with LP gas can cause freeze burns to skin.
- ▲ Apartment dwellers: Check with management to learn the requirements and fire codes for using a LP gas grill in your apartment complex. If allowed, use outside on the ground floor with a ten foot (3.05 m) clearance from any structure. Do NOT use on or under balconies.
- ▲ LP gas cylinder needed to operate. Only cylinders marked “propane” may be used.
- ▲ The LP gas cylinder must be constructed and marked in accordance with the Specifications for LP-gas Cylinders of the U.S. Department of Transportation (D.O.T.) or the National Standard of Canada, CAN/CSA-B339, Cylinders, Spheres and Tubes for the Transportation of

## SAFETY INFORMATION

Dangerous Goods; and Commission.

- ⚠ LP gas cylinder must be arranged for vapor withdrawal.
- ⚠ The LP gas cylinder must have a listed overfilling prevention device (OPD).
- ⚠ Only use LP gas cylinders equipped with a cylinder connection device compatible with the connection for outdoor cooking appliances.
- ⚠ The LP gas cylinder must have a cylinder collar to protect the cylinder valve.
- ⚠ Never use an LP gas cylinder with a damaged body, valve, collar or footing.
- ⚠ Dented or rusted LP gas cylinders may be hazardous and should be checked by your LP gas supplier prior to use.
- ⚠ The LP gas cylinder should not be dropped or handled roughly.
- ⚠ LP gas cylinders must be stored outdoors out of the reach of children and must not be stored in a building, garage or any other enclosed area. Your cylinder must never be stored where temperatures can reach over 125°F.
- ⚠ Do NOT insert any tool or foreign object into the valve outlet or safety relief valve. You may damage the valve and cause a leak. Leaking propane may result in an explosion, fire, severe personal injury or death.
- ⚠ Do NOT block holes in sides or back of grill.
- ⚠ Never keep an LP gas cylinder in a hot car or trunk. Heat will cause the gas pressure to increase, which may open the relief valve and allow gas to escape.
- ⚠ Place dust cap on cylinder valve outlet whenever the cylinder is not in use. Only install the type of dust cap on the cylinder valve outlet that is provided with the cylinder valve. Other types of caps or plugs may result in leakage of propane.
- ⚠ If grill is not in use, the gas must be turned off at the supply cylinder and disconnected.
- ⚠ Do NOT store a spare LP gas cylinder under or near this appliance.
- ⚠ Never fill the cylinder beyond 80 percent full. A fire causing serious injury or damage to property may occur if the above is not followed exactly.
- ⚠ Never attempt to attach this grill to the self-contained LP gas system of a camper trailer, motor home or house.
- ⚠ Never use charcoal, lighter fluid, lava rocks, gasoline, kerosene or alcohol with this product.
- ⚠ Your grill has been checked at all factory connections for leaks. Re-check all connections as described in the "Operating Instructions" section, as shipping can loosen connections.
- ⚠ Check for leaks even if your unit was assembled for you by someone else.
- ⚠ Do NOT operate if a gas leak is present. Gas leaks may cause a fire or explosion.
- ⚠ You must follow all instructions in the "Checking for Leaks" section before operating. To prevent fire or explosion hazard when testing for a leak:
  - a. Always perform a leak test before lighting the grill and each time the cylinder is connected for use.
  - b. No smoking. Do NOT use or permit sources of ignition in the area while conducting a leak test.
  - c. Conduct the leak test outdoors in a well-ventilated area.
  - d. Do NOT use matches, lighters, or a flame to check for leaks.
  - e. The use of alcohol, prescription or non-prescription drugs may impair the consumer's ability to properly assemble or safely operate the appliance.
  - f. Strong odors, colds, sinus congestion, etc. may prevent the detection of propane. Use caution and common sense when testing for leaks.
  - g. Do NOT use grill until any and all leaks are corrected.  
If you are unable to stop a leak, disconnect the LP gas supply. Call a gas appliance serviceman or your local LP gas supplier.
- ⚠ This grill is designed to operate at an inlet pressure of: 11 inches water column.
- ⚠ Do NOT store or use gasoline or other flammable liquids or vapors within 25 feet (7.62 m) of this appliance.
- ⚠ Do NOT use in an explosive atmosphere. Keep grill area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
- ⚠ Minimum clearance from sides and back of unit to combustible construction is 36 inches (91.5 cm). Do NOT use this appliance under any type of overhang or roof.
- ⚠ It is essential to keep the grill's valve compartment, burners and circulating air passages clean.
- ⚠ Inspect grill before each use.
- ⚠ Do NOT alter grill in any manner. Any alteration will void your warranty.
- ⚠ Do NOT use the grill unless it is COMPLETELY assembled and all parts are securely fastened and tightened.
- ⚠ Do NOT build this model of grill in any built-in or slide-in construction. Ignoring this warning could

## SAFETY INFORMATION

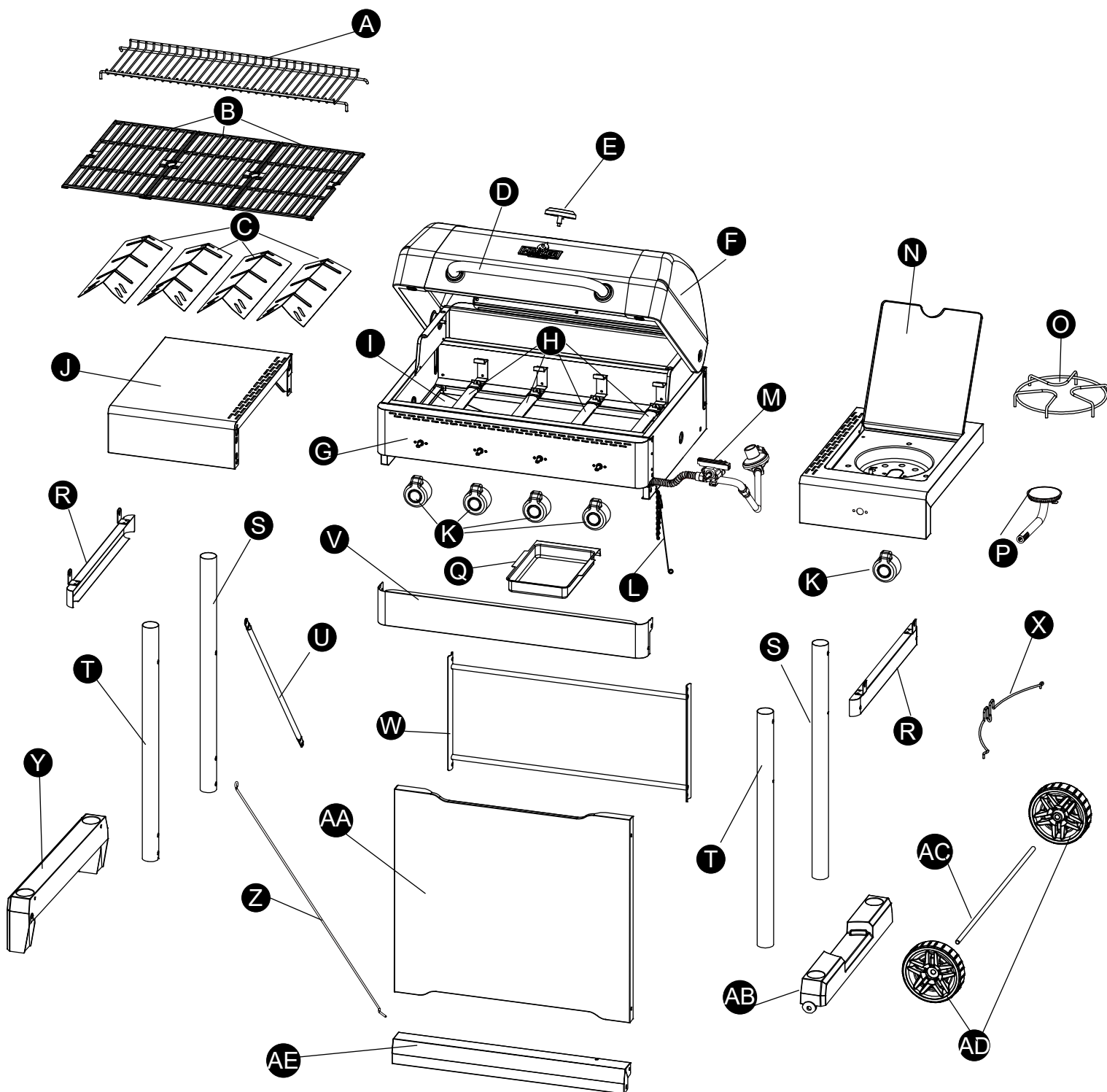
---

cause a fire or an explosion that can damage property and cause serious bodily injury or death.

- ⚠ This grill should be thoroughly cleaned and inspected on a regular basis.
- ⚠ Clean and inspect the hose before each use of the appliance. If there is evidence of abrasion, wear, cuts or leaks, the hose must be replaced prior to operation.
- ⚠ Use only the regulator and hose assembly provided. Use only the replacement regulator and hose assembly specified by RevoAce Inc. Limited.
- ⚠ Use only RevoAce Inc. Limited factory-authorized parts. The use of any part that is not factory-authorized can be dangerous and will void your warranty.
- ⚠ Do NOT operate this appliance without reading "Operating Instructions" in this manual.
- ⚠ Do NOT touch metal parts of grill until they have completely cooled to avoid burns, unless you are wearing protective gear (pot holders, gloves, BBQ mittens, etc.).
- ⚠ Do NOT install or use in or on boats or recreational vehicles.
- ⚠ When cooking, fire extinguishing materials should be readily accessible. In the event of an oil/grease fire, do NOT attempt to extinguish with water. Use type BC dry chemical fire extinguisher or smother with dirt, sand or baking soda.
- ⚠ Do NOT use grill in high winds.
- ⚠ Never lean over the grill when lighting.
- ⚠ Do NOT leave a lit grill unattended. Keep children and pets away from grill at all times.
- ⚠ Do NOT leave grill unattended while preheating or burning off food residue on high. If grill has not been cleaned, a grease fire can occur that may damage the product.
- ⚠ Do NOT place empty cooking vessels on the appliance while in operation.
- ⚠ Use caution when placing anything on the grill while the appliance is in operation.
- ⚠ Do NOT attempt to move grill when in use. Allow the grill to cool before moving or storing.
- ⚠ LP gas cylinder must be properly disconnected and removed prior to moving this grill.
- ⚠ Storage of grill indoors is permissible only if the cylinder is disconnected, removed from the grill and properly stored outdoors.
- ⚠ Always open grill lid carefully and slowly as heat and steam trapped within grill can cause severe burns.

- ⚠ Do NOT attempt to disconnect the gas regulator from the cylinder or any gas fitting while the grill is in use.
- ⚠ Always place your grill on a hard, non-combustible, level surface. An asphalt or blacktop surface may not be acceptable for this purpose.
- ⚠ Move gas hoses as far away as possible from hot surfaces and dripping hot grease.
- ⚠ Keep all electrical cords away from a hot grill.
- ⚠ After a period of storage and/or nonuse, check for leaks, burner obstructions and inspect for any abrasion, wear or cuts to the hose.
- ⚠ Failure to open lid while igniting the grill's burners, or not waiting 5 minutes to allow the gas to clear if the grill does not light, may result in an explosive flame-up.
- ⚠ Never operate grill without its heat plates installed.
- ⚠ Always use a meat thermometer to ensure food is cooked to a safe temperature.
- ⚠ Use protective gloves when assembling this product.
- ⚠ Never turning the grill to high, and letting it run for a while.
- ⚠ Do NOT force parts together as this can result in personal injury or damage to the product.
- ⚠ Never cover entire cooking area with aluminum foil. Laying the foil on the grates can restrict the intended air flow inside the grill, create barriers to the proper flow of grease to the catch pan, which sets the stage for lots of it to build up on the bottom tray, which in turn, builds the potential for grease fires and flare ups.
- ⚠ Deaths, serious injury or damage to property may occur if the above is not followed exactly.

# PACKAGE CONTENTS



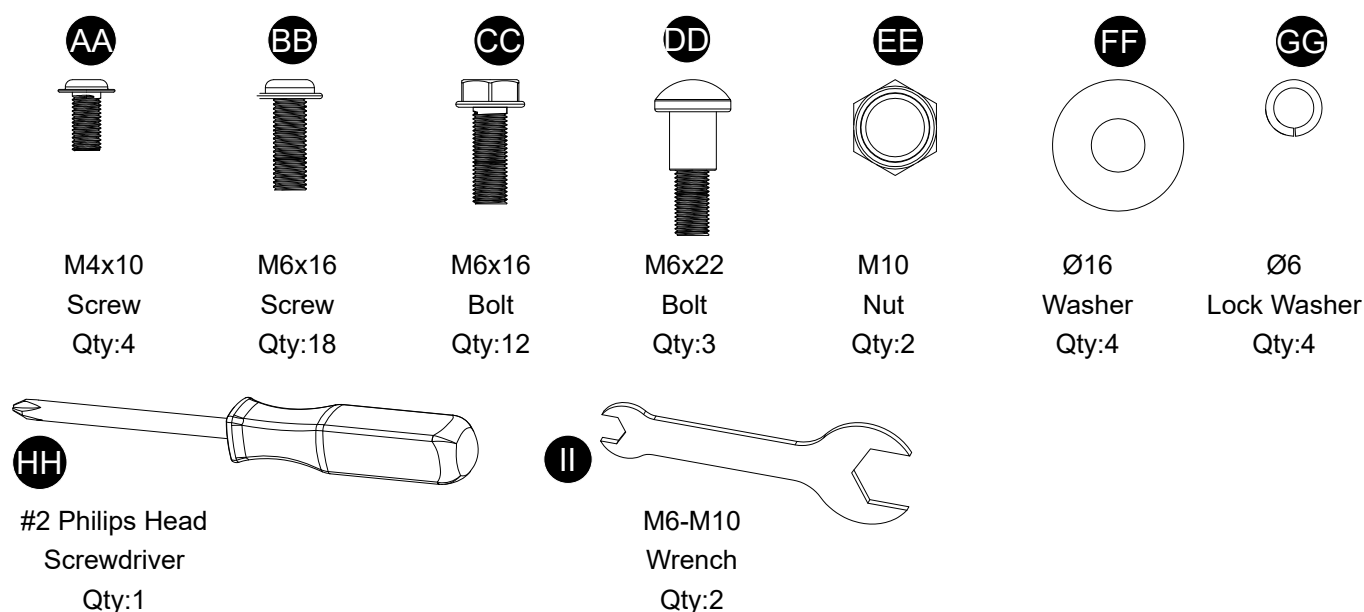
## PACKAGE CONTENTS

Part	Description	Quantity
A	Warming Rack	1
B	Cooking Grid	3
C	Heat Plate	4
D	Lid Handle*	1
E	Temperature Gauge	1
F	Lid*	1
G	Grill Body Assembly*	1
H	Main Burner*	4
I	Grease Tray*	1
J	Left Side Shelf	1
K	Control Knob	5
L	Lighting Rod*	1
M	Regulator/Hose Assembly*	1
N	Right Side Shelf	1
O	Side Burner Grid	1
P	Side Burner	1

Part	Description	Quantity
Q	Grease Cup	1
R	Side Cart Frame	2
S	Rear Leg	2
T	Front Leg	2
U	Cart Frame Support A	1
V	Upper Cart Frame	1
W	Rear Cart Frame Support	1
X	LP Gas Tank Retainer Wire	1
Y	Left Leg Seat	1
Z	Cart Frame Support B	1
AA	Front Panel	1
AB	Right Leg Seat	1
AC	Axle	1
AD	Wheel	2
AE	Lower Cart Frame	1

\* Pre-assembled

## HARDWARE CONTENTS



## Preparation

Before beginning assembly of product, make sure all parts are present. Compare parts with package contents list and hardware contents list. If any part is missing or damaged, do not attempt to assemble the product.

**Estimated assembly time: 45 minutes by two people.**

**Toos required for assembly: Wrench and Philips screwdriver (included).**

# ASSEMBLY INSTRUCTIONS

**Step 1: Install Front Leg and Lower Cart Frame on Right Leg Seat.**

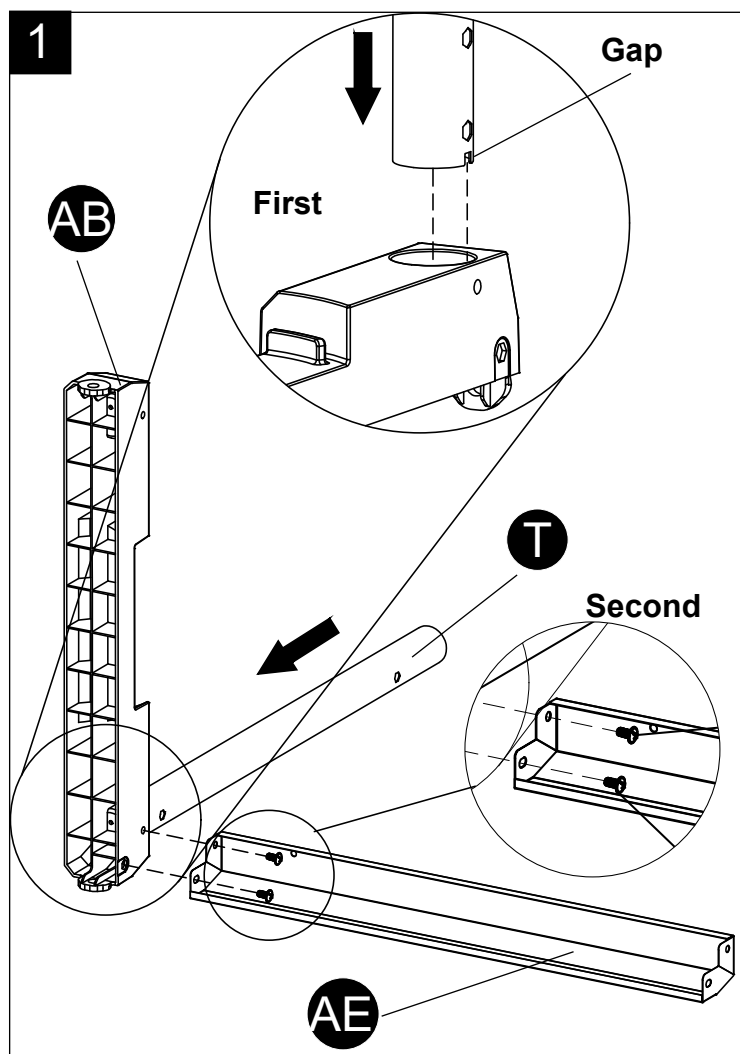
Insert the front leg (T) into right leg seat (AB).

Align the holes in the front leg (T) and lower cart frame (AE). Then insert the M6x16 screw (BB) into the holes shown in Fig.1. Tighten both screws completely.

Not: There is a gap in the front leg for identification.

Hardware Used

**BB** M6x16 Screw  x 2



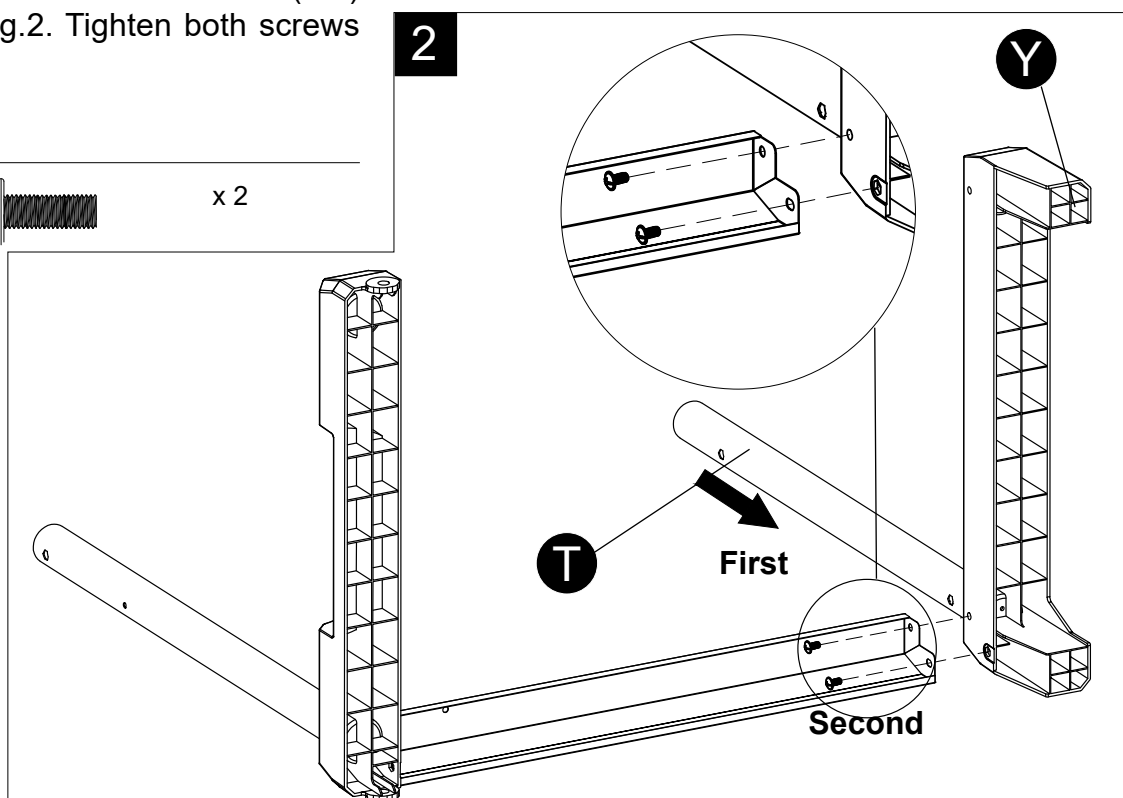
**Step 2: Install Front Leg and Lower Cart Frame on Left Leg Seat.**

Insert the other front leg (T) into left leg seat (Y).

Align the holes in the front leg (T) and lower cart frame (AE). Then insert the M6x16 screw (BB) into the holes shown in Fig.2. Tighten both screws completely.

Hardware Used

**BB** M6x16 Screw  x 2



## ASSEMBLY INSTRUCTIONS

### Step 3: Install Rear Leg and Cart Frame Support A

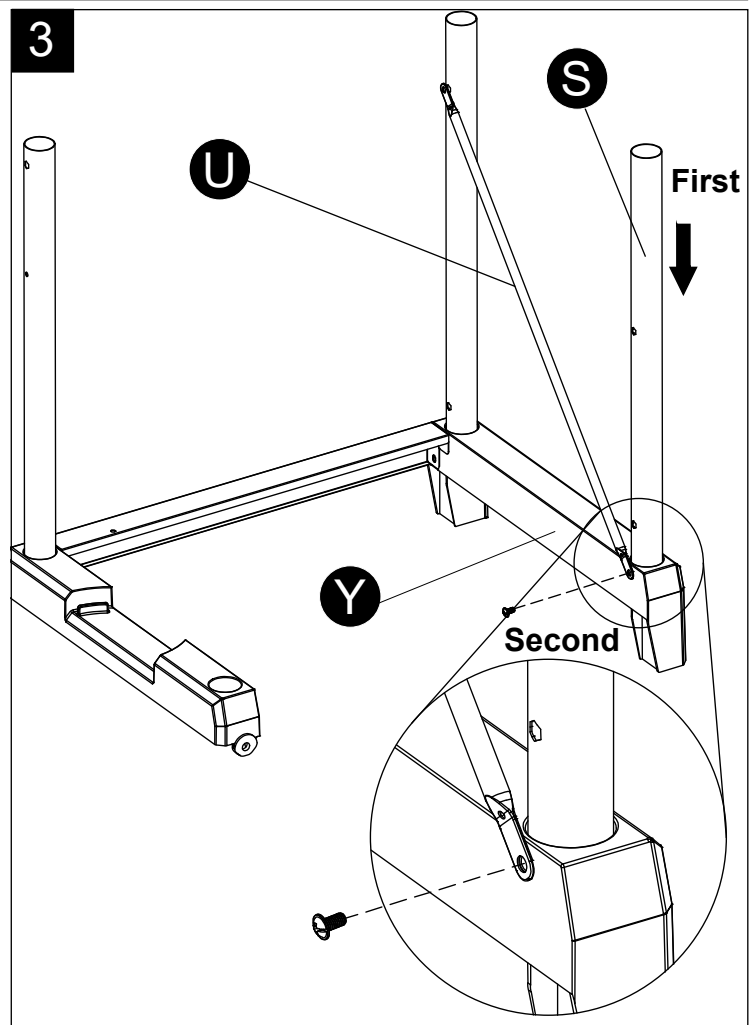
Insert one rear leg (S) into left leg seat (Y).

Align the holes in one rear leg (S), left leg seat (Y) and cart frame support A (U). Then insert the M6x16 screw (BB) into the holes shown in Fig.3.

**NOTE:** Only screw the bottom side of the cart frame support A for this step.

#### Hardware Used

<b>BB</b>	M6x16		x 1
	Screw		



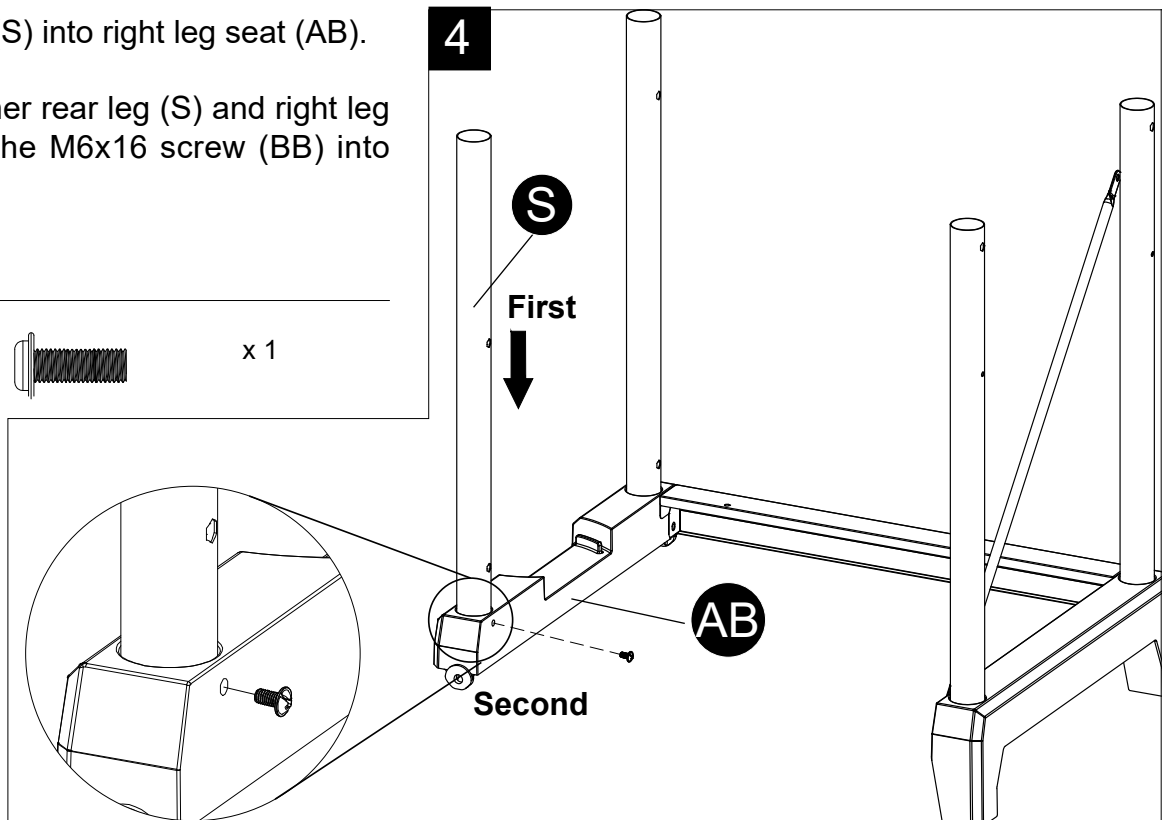
### Step 4: Install Rear Leg

Insert the other rear leg (S) into right leg seat (AB).

Align the holes in the other rear leg (S) and right leg seat (AB). Then insert the M6x16 screw (BB) into the holes shown in Fig.4.

#### Hardware Used

<b>BB</b>	M6x16		x 1
	Screw		





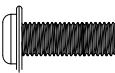
# ASSEMBLY INSTRUCTIONS

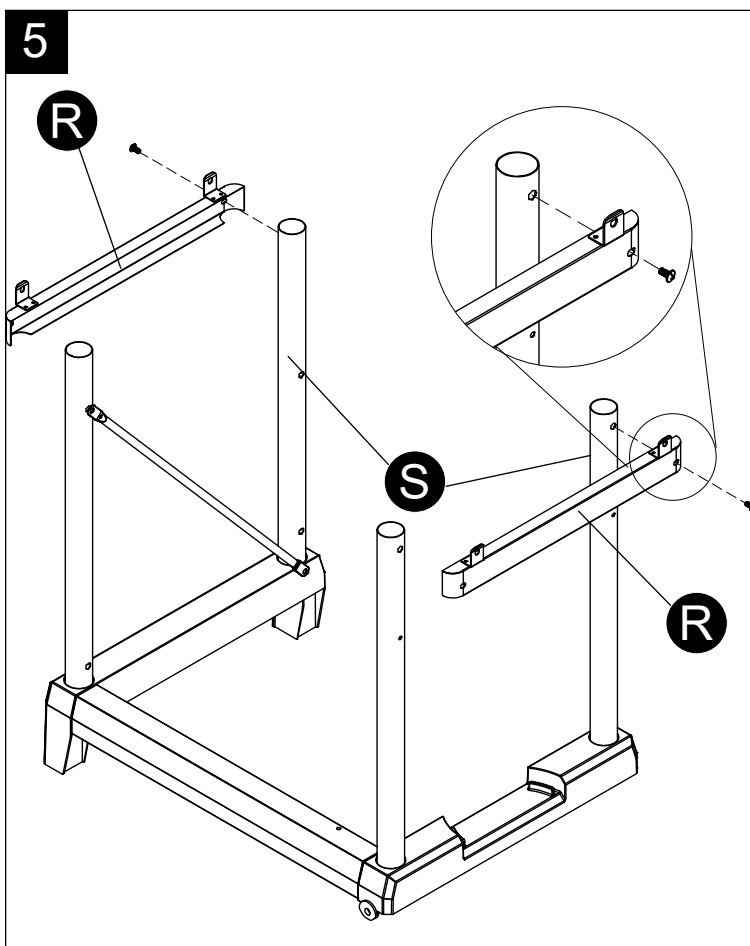
## Step 5: Install Side Cart Frame

Align the holes in the side cart frames (R) and rear legs (S). Then insert the M6x16 screw (BB) into the holes shown in Fig.5. Tighten both screws completely.

NOTE: Only screw the back end of side cart frames for this step.

### Hardware Used

**BB** M6x16 Screw  x 2

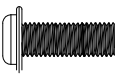


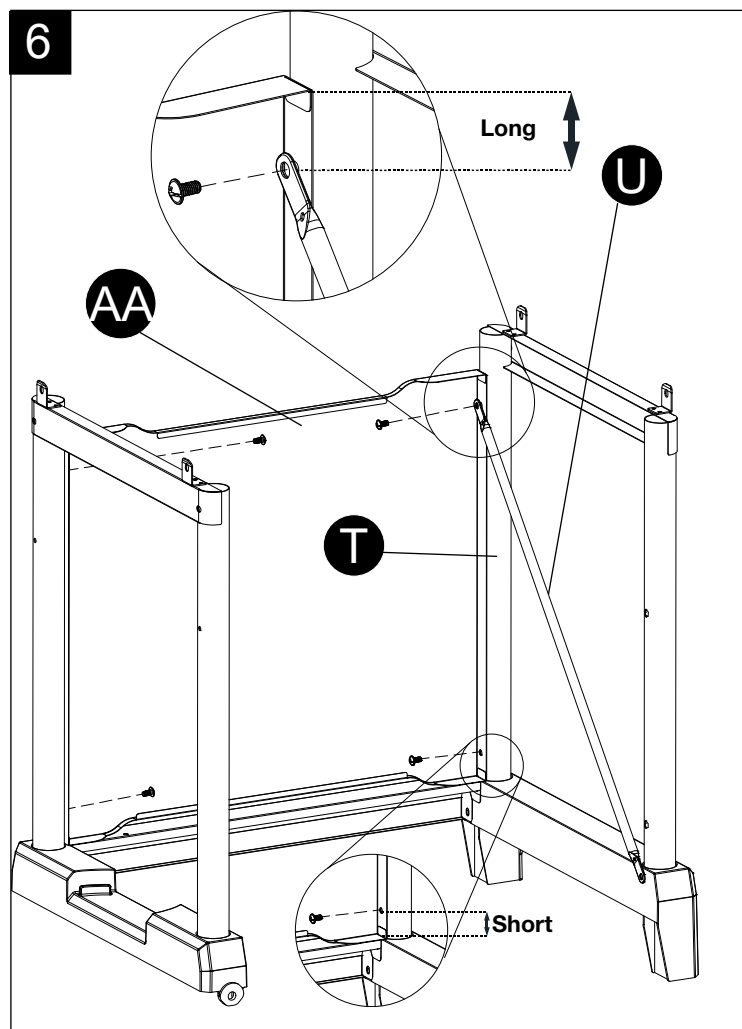
## Step 6: Install Front Panel

Align the holes in the front panel (AA) and front legs (T). Then insert the M6x16 screw (BB) into the holes shown in Fig.6. Tighten all screws completely.

NOTE: Don't forget to attach the front side of cart frame support A onto the front panel.

### Hardware Used

**BB** M6x16 Screw  x 4



# ASSEMBLY INSTRUCTIONS

## Step 7: Attach Rear Cart Frame Support

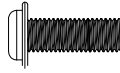
Attach the rear cart frame Support (W) with three M6x16 screws (BB).

NOTE: Don't screw the left upper hole of the rear cart frame Support until step 9 is completed.

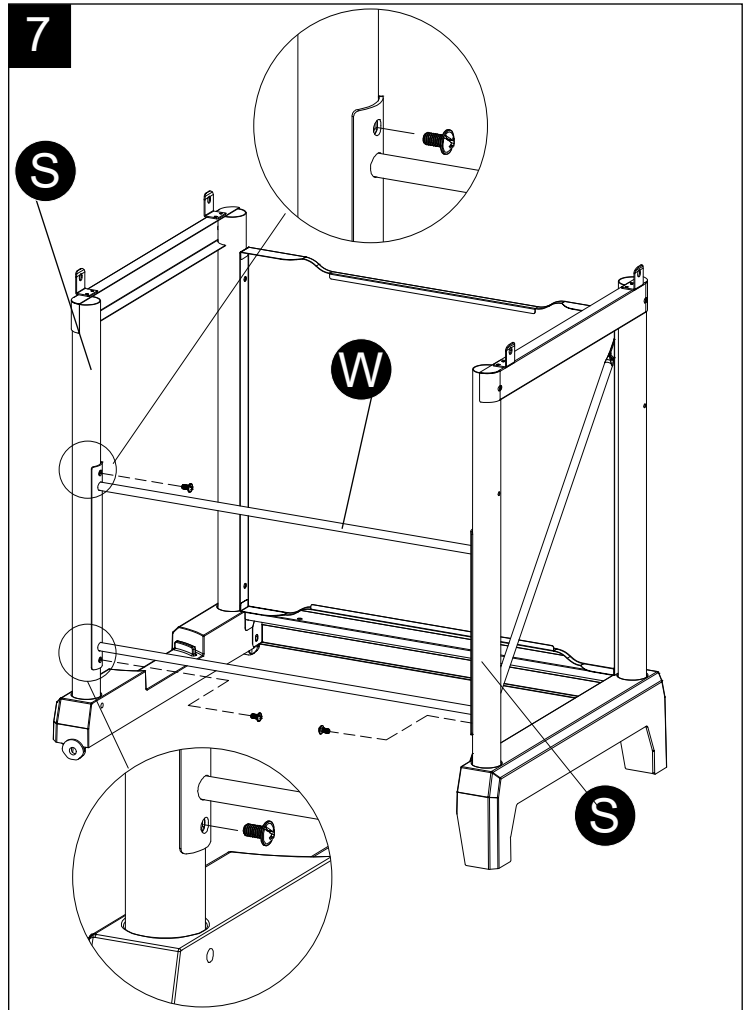
### Hardware Used

BB

M6x16  
Screw



x 3



## Step 8: Attach Wheels and Axle

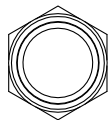
Attach wheels (AD) and axle (AC) with two nuts (EE).

NOTE: Use wrenchs (II) to tighten the wheel nuts.

### Hardware Used

EE

M10  
Nut



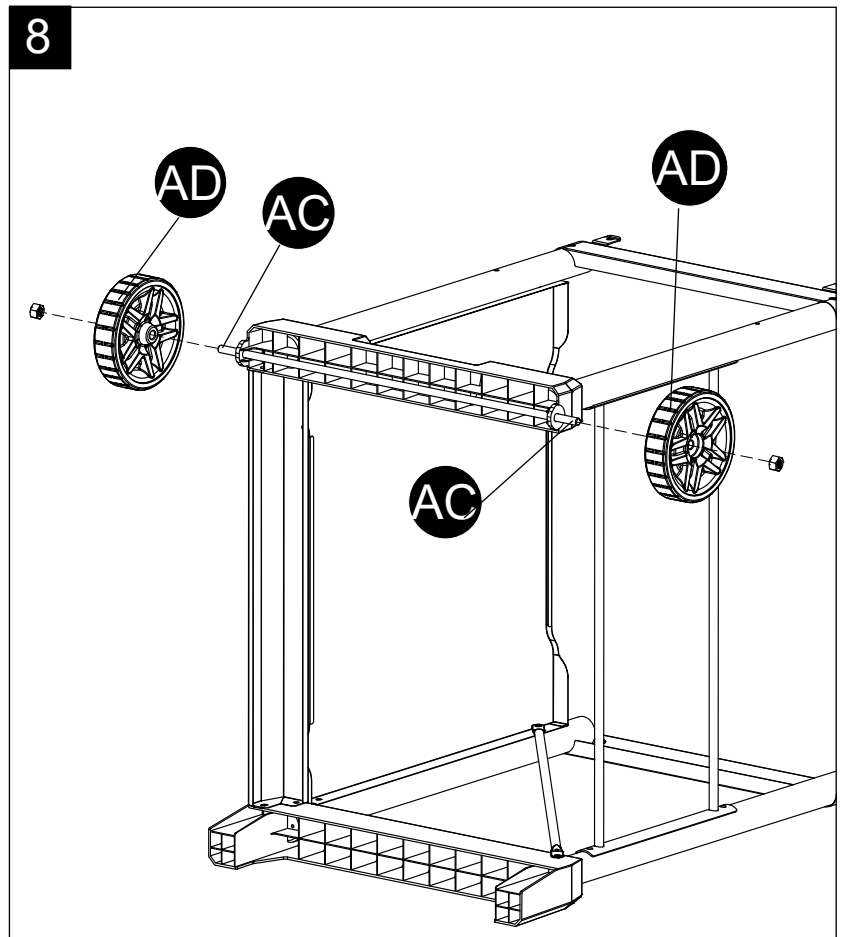
x 2

II

M6-M10  
Wrench



x 2



# ASSEMBLY INSTRUCTIONS

## Step 9: Attach Cart Frame Support B

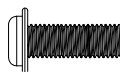
Attach the cart frame support B (Z) with one M6x16 screw (BB).

NOTE: Align the holes in the cart frame support B and rear cart frame support. Then insert the M6x16 screw (BB) into the holes shown in Fig.9.

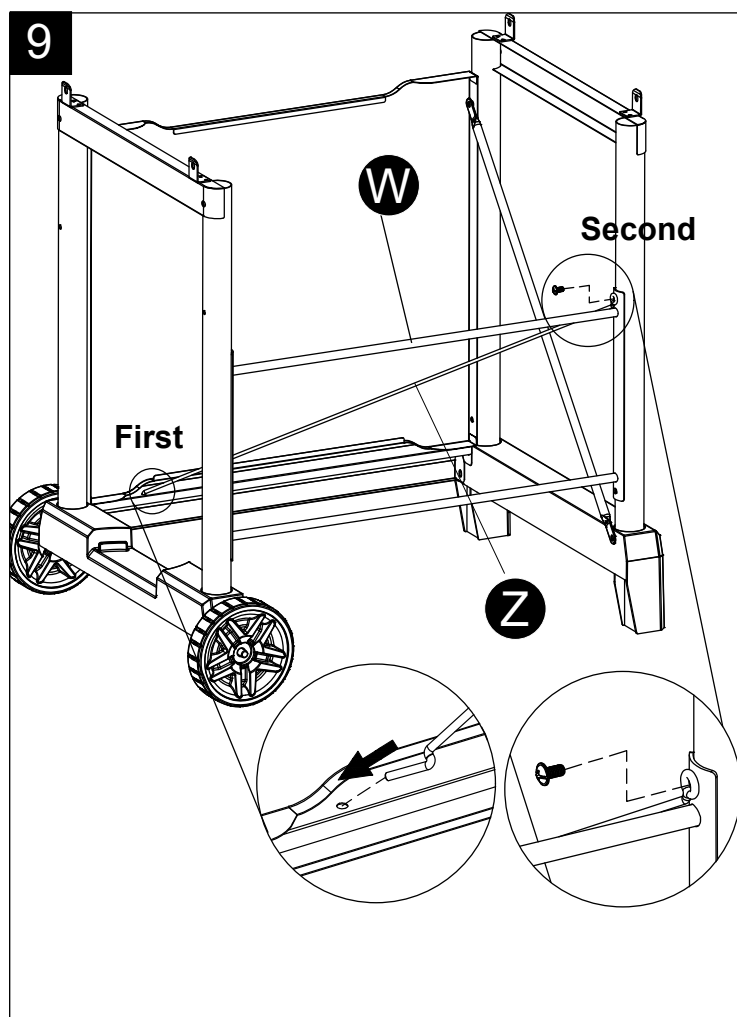
### Hardware Used

BB

M6x16  
Screw

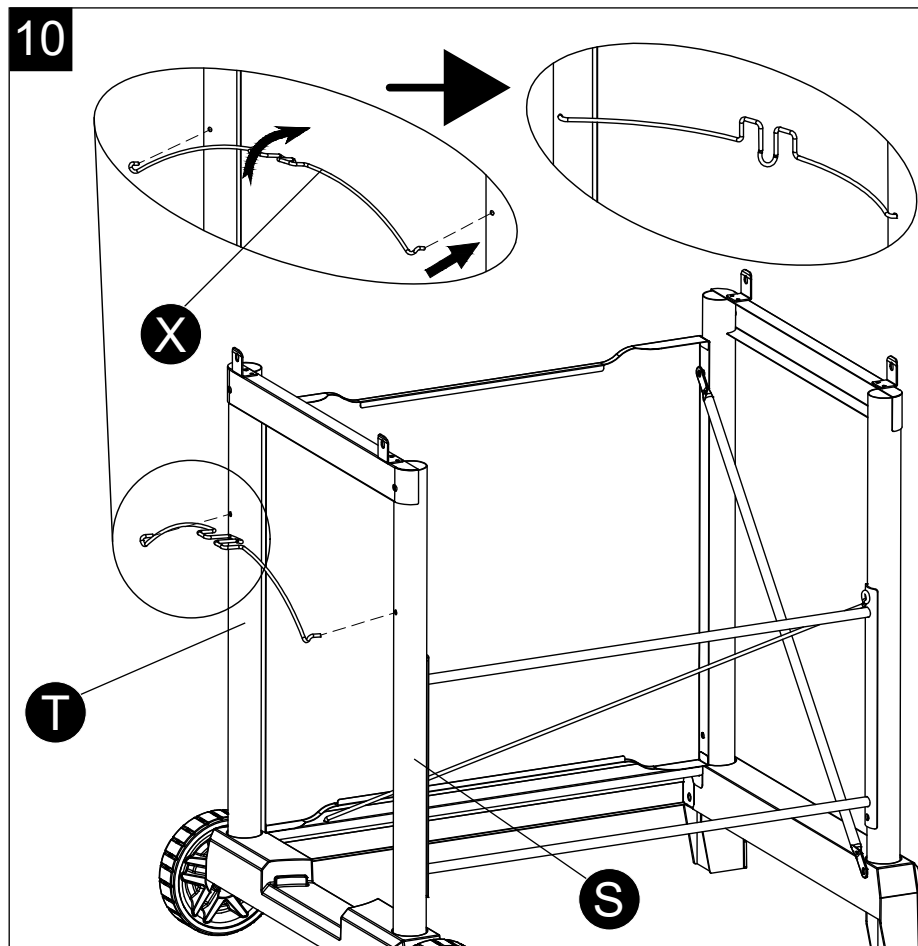


x 1



## Step 10: Attach LP Gas Tank Retainer Wire

Insert the LP gas tank retainer wire (X) onto the left front leg (T) and left rear leg (S) shown in Fig.10 .



# ASSEMBLY INSTRUCTIONS

## Step 11: Attach Upper Cart Frame

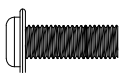
Attach the upper cart frame (V) with two M6x16 screws (BB).

NOTE: Slide the upper cart frame in first and align the holes in the side cart frame (R) and upper cart frame (V). Then insert the two M6x16 screws (BB) into the holes shown in Fig(11).

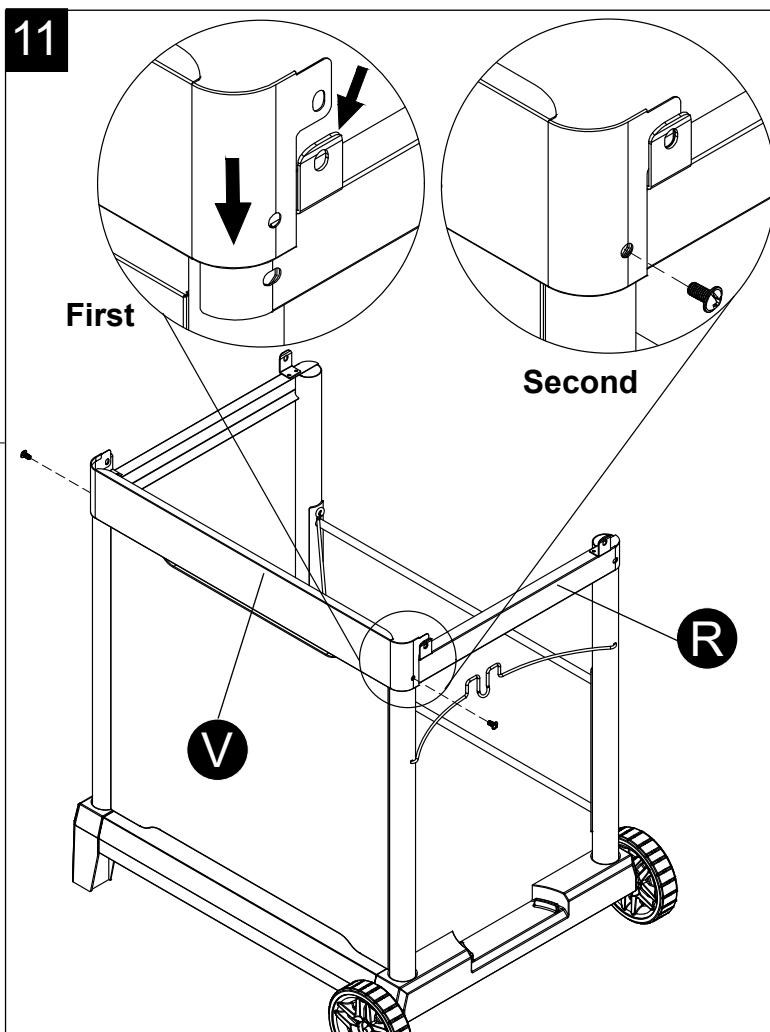
### Hardware Used

BB

M6x16  
Screw



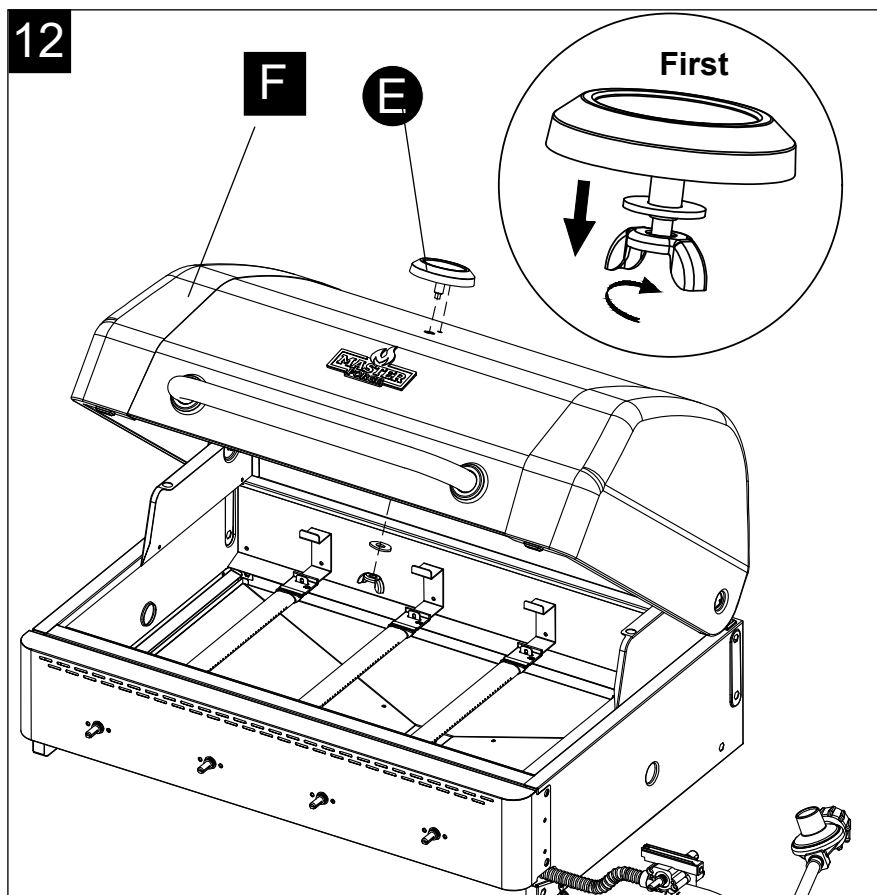
x 2



## Step 12: Attach Temperature Gauge

Attach the temperature gauge (E) onto the lid (F).

NOTE: Remove the washer and wing nut pre-assembled on the temperature gauge (E) in first.



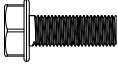
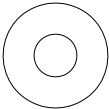

# ASSEMBLY INSTRUCTIONS

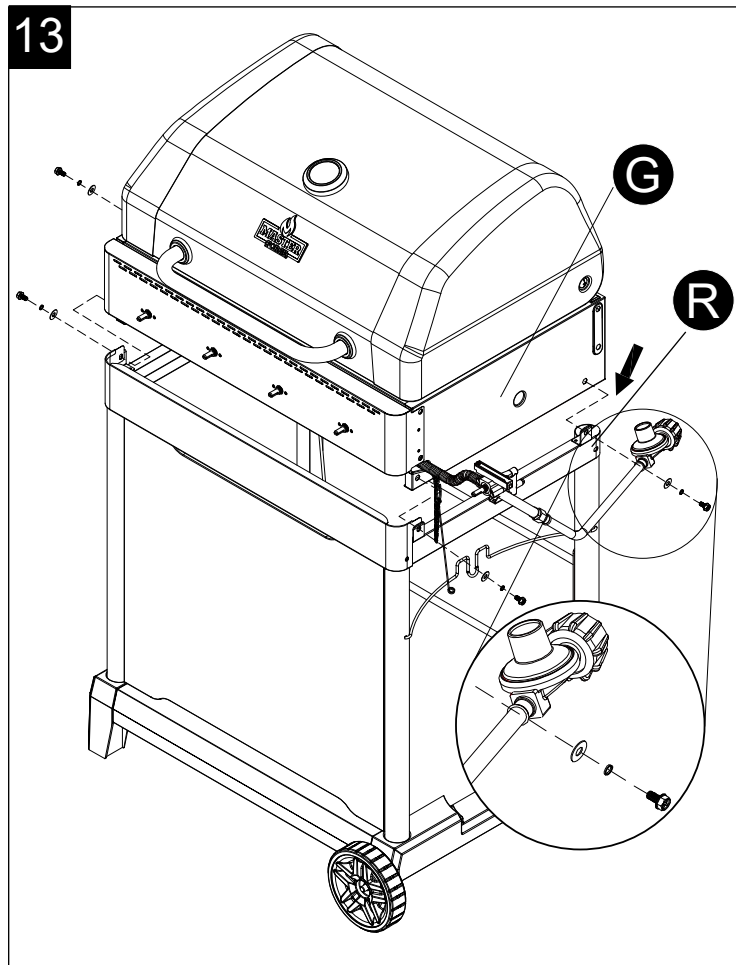
## Step 13: Attach Grill Body Assembly

Attach the grill body assembly (G) with four M6x16 bolt (CC), Ø16 washer (FF) and Ø6 lock washer (GG).

NOTE: Two people are needed to perform this step.

### Hardware Used

<b>CC</b>	M6x16 Bolt		x 4
<b>FF</b>	Ø16 Washer		x 4
<b>GG</b>	Ø6 Lock Washer		x 4

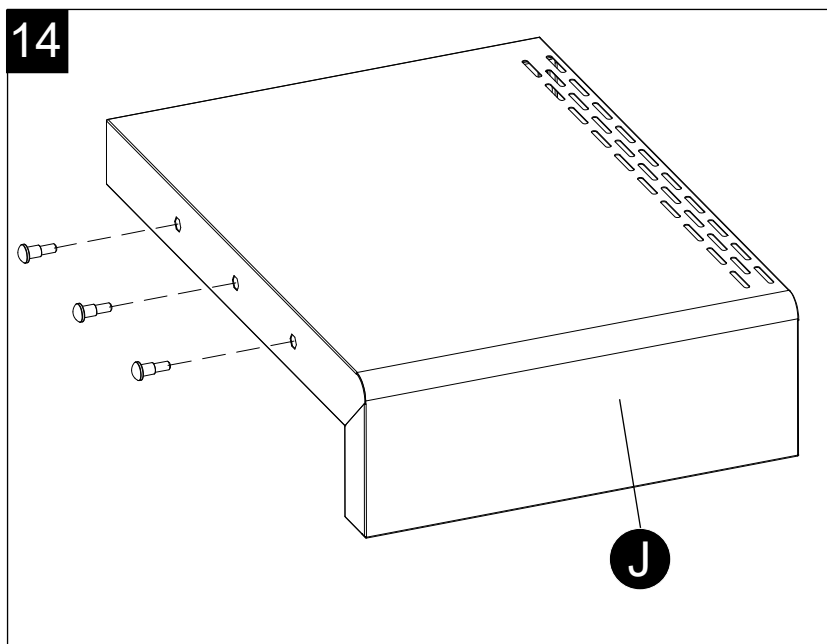


## Step 14: Attach Bolts

Attach the three bolts (DD) to the left side shelf (J).

### Hardware Used

<b>DD</b>	M6x22 Bolt		x 3
-----------	---------------	---	-----



# ASSEMBLY INSTRUCTIONS

## Step 15: Attach Left Side Shelf

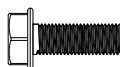
Attach the left side shelf(J) with four M6x16 bolt (CC).

**NOTE:** Insert two bolts into the upper holes with leaving 5 mm threads exposed. Then slide the left side shelf onto the bolts and insert the other two bolts into the lower holes shown in Fig.15. Tighten all screws completely.

### Hardware Used



M6x16  
Bolt



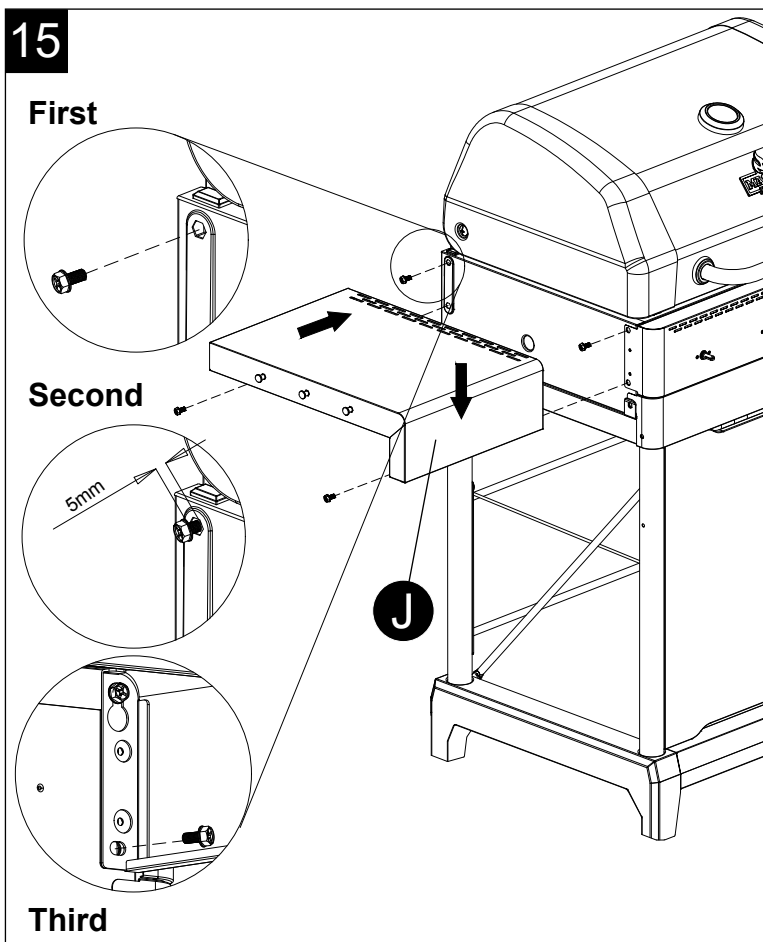
x 4

15

First

Second

Third



## Step 16: Attach Right Side Shelf

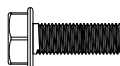
Attach the right side shelf(N) with four M6x16 bolt (CC).

**NOTE:** Insert two bolts into the upper holes with leaving 5 mm threads exposed. Then slide the right side shelf onto the bolts and insert the other two bolts into the lower holes shown in Fig.16. Tighten all screws completely.

### Hardware Used



M6x16  
Bolt



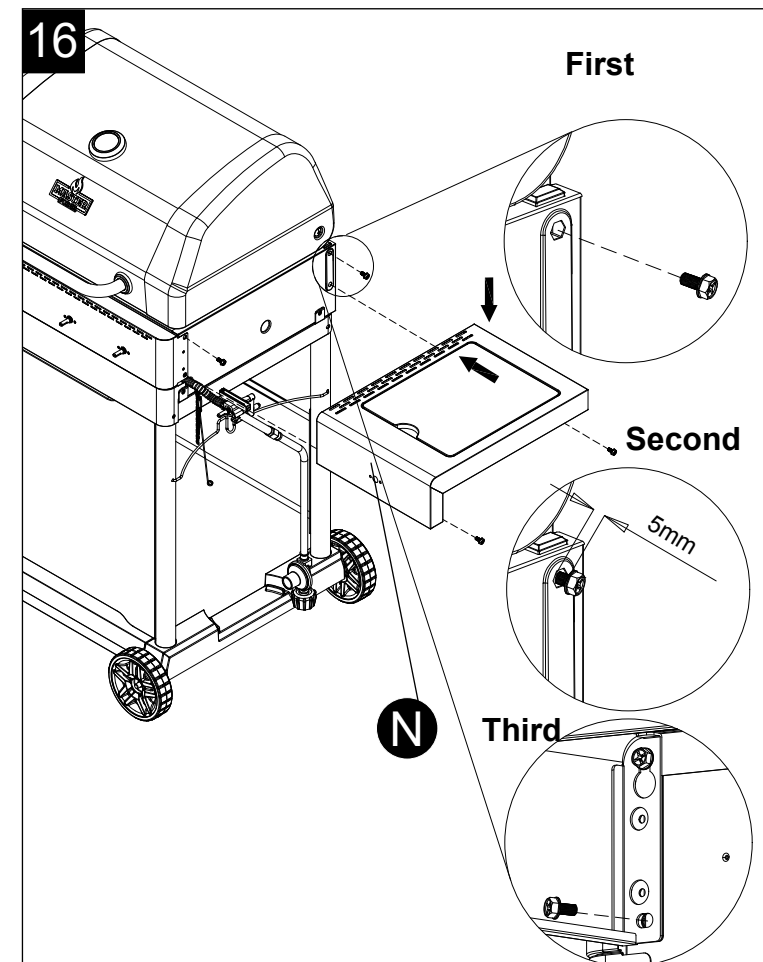
x 4

16

First

Second

Third



# ASSEMBLY INSTRUCTIONS

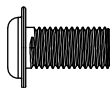
Step 17: Install Side Burner Valve on Right Side Shelf.

Install the side burner valve (M) with two M4x10 screws (AA).

## Hardware Used

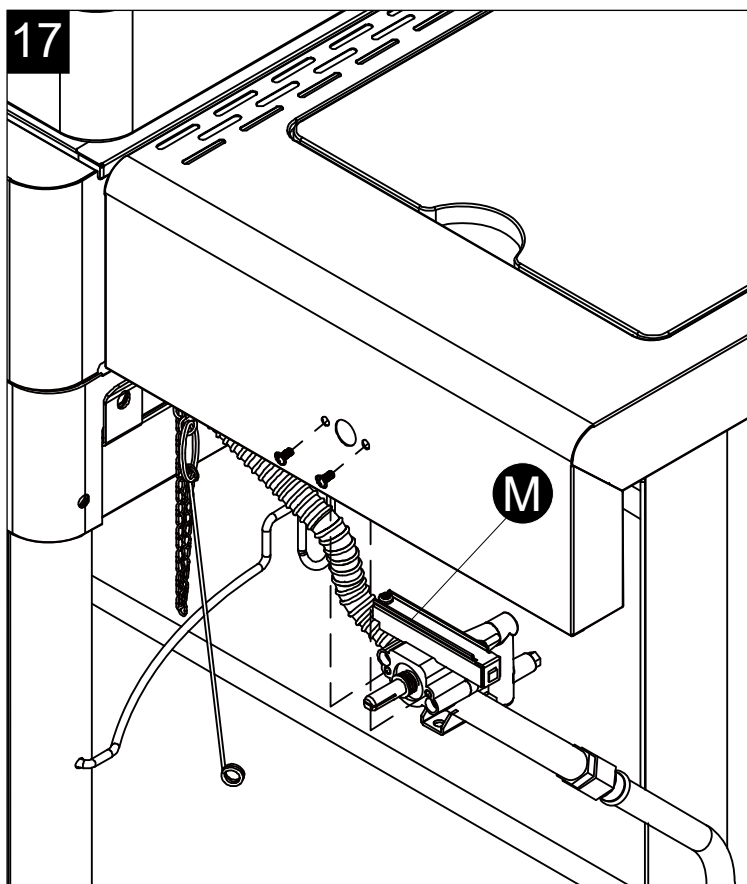
AA

M4x10  
Screw



x 2

17



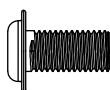
Step 18: Attach Side Burner

Attach the side burner (P) to the right side shelf (N) by using two M4x10 screw (AA).

## Hardware Used

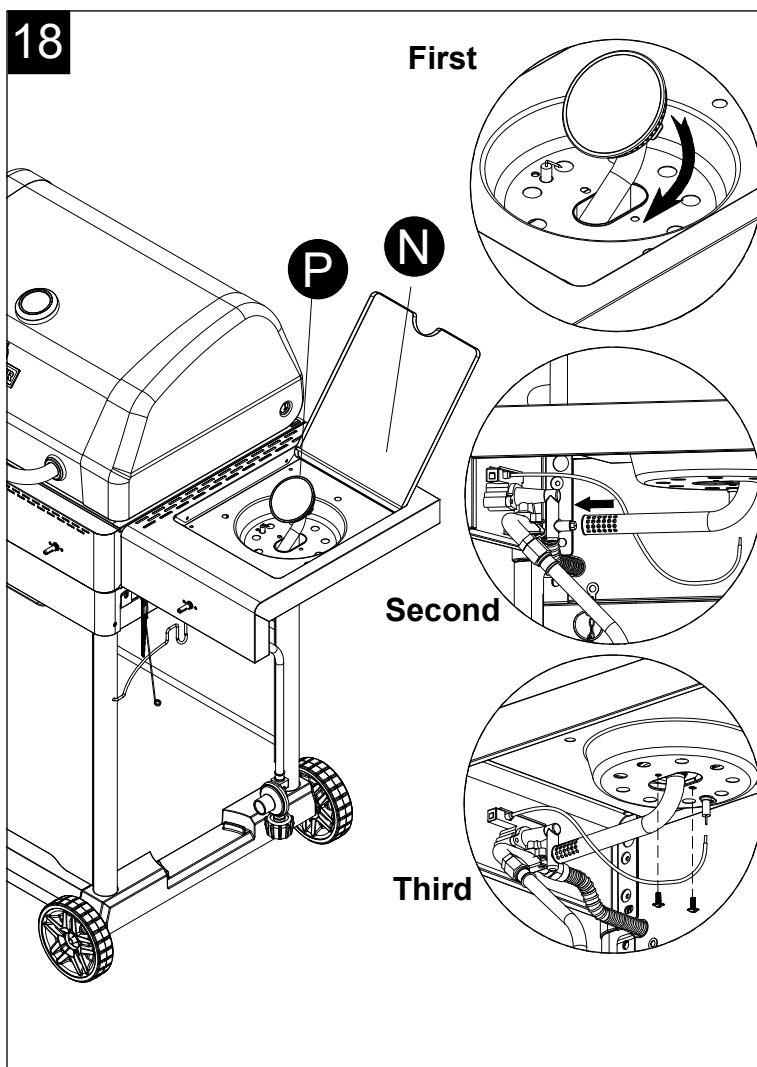
AA

M4x10  
Screw



x 2

18

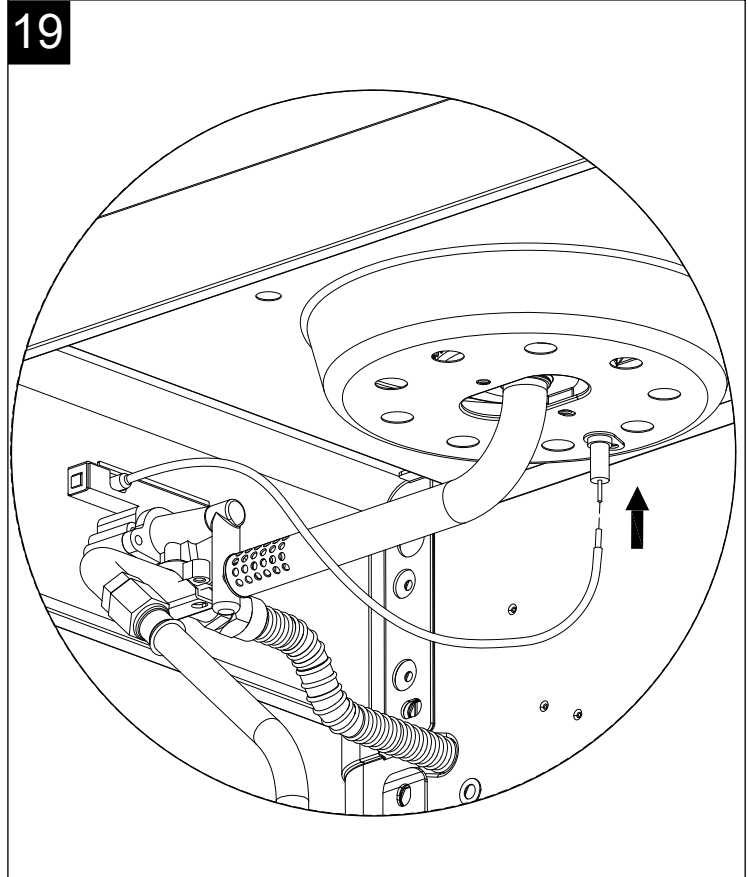


## ASSEMBLY INSTRUCTIONS

### Step 19: Connect Side Burner Ignition Wire

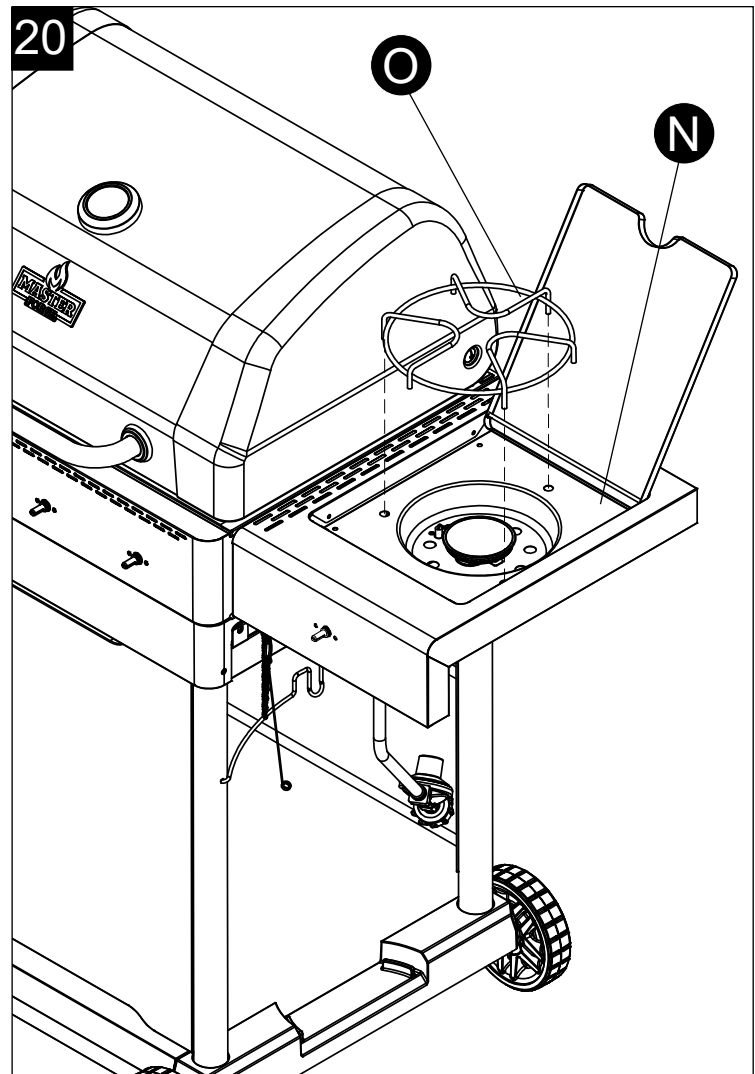
Connect the side burner ignition wire as illustrated.

**NOTE:** Failure to plug the wire to the ignitor electrode will result in no ignition.



### Step 20: Attach Side Burner Grid

Put the side burner grid (O) onto the right side shelf (N) by aligning the legs with the slots.

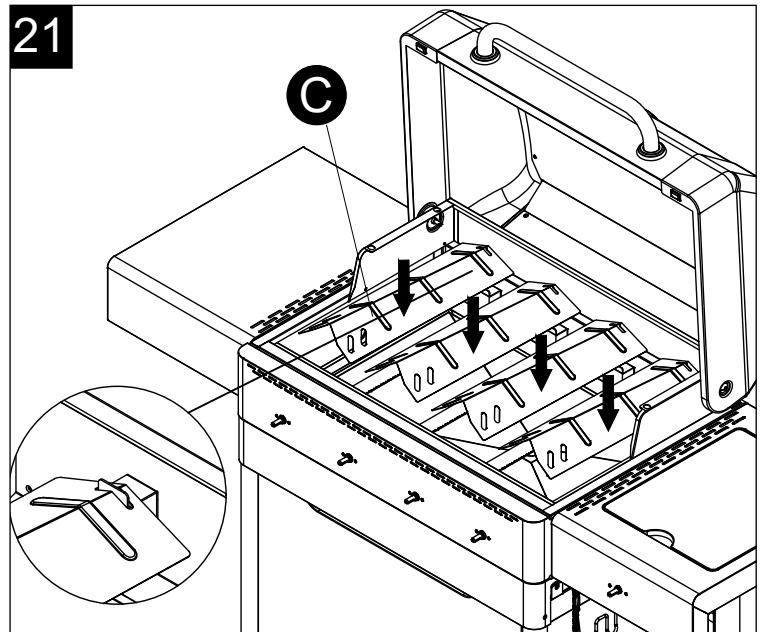




# ASSEMBLY INSTRUCTIONS

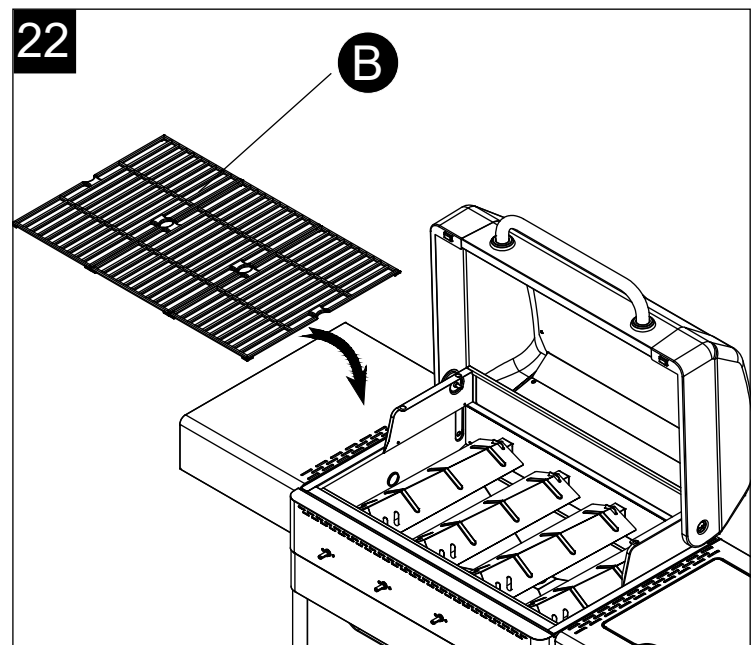
## Step 21: Attach Heat Plates

Put the heat plates (C) into place.



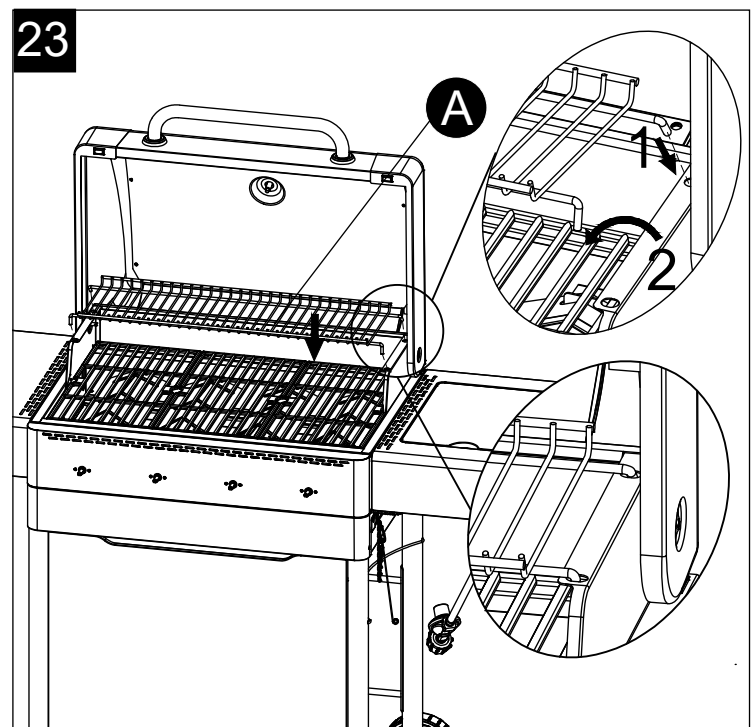
## Step 22: Attach Cooking Grid

Put the cooking grids (B) into place.



## Step 23: Attach Warming Rack

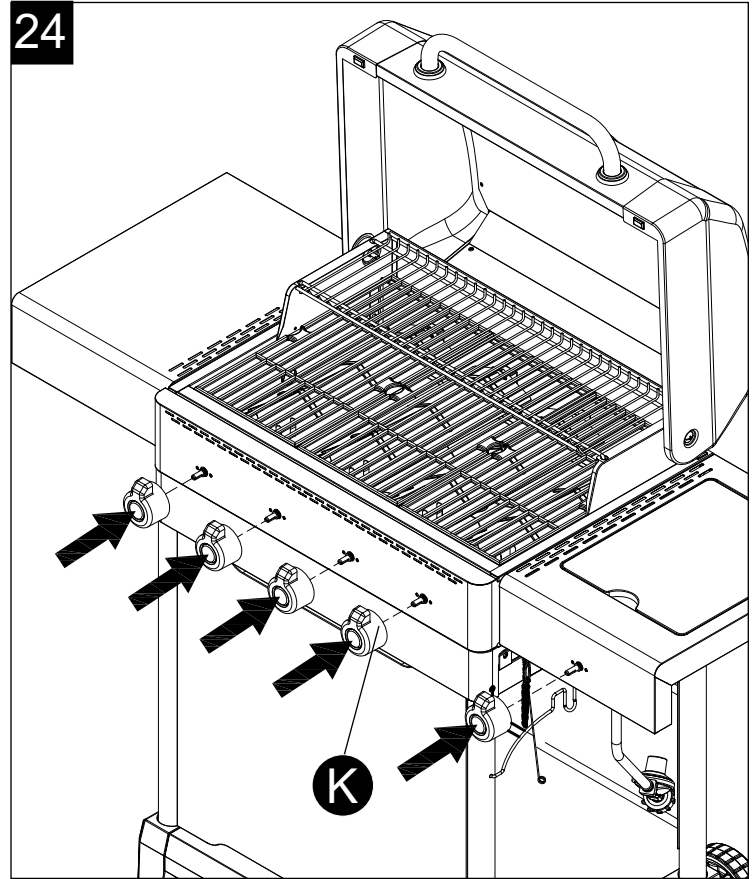
Put the warming rack (A) into place.



# ASSEMBLY INSTRUCTIONS

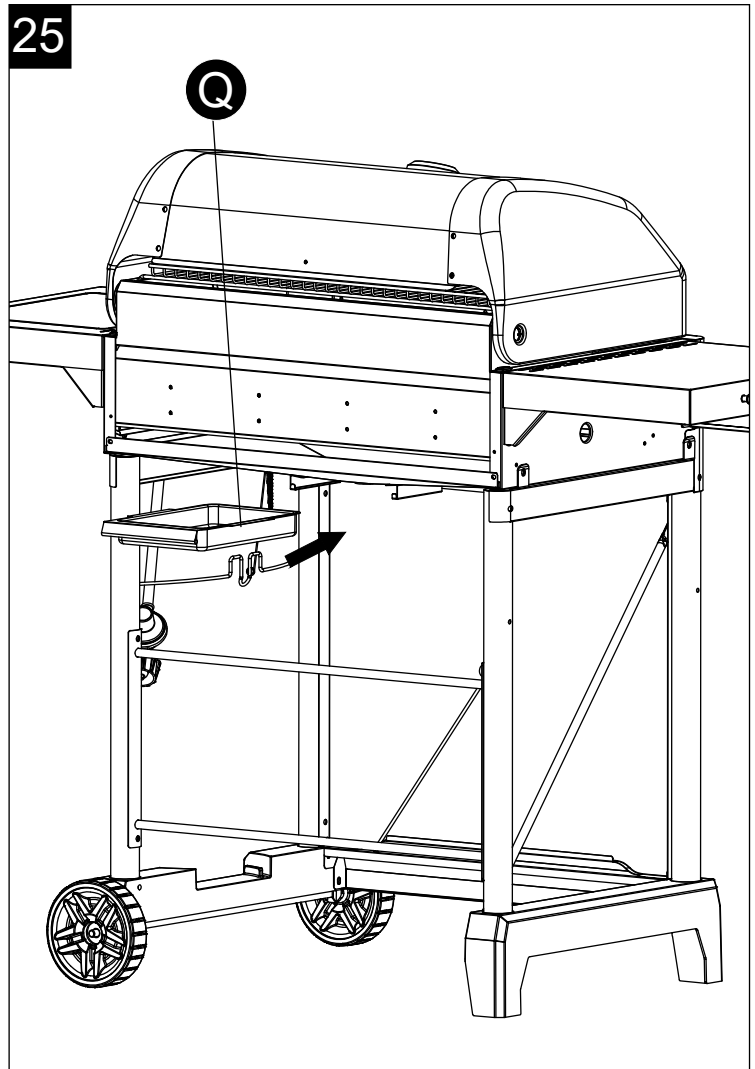
## Step 24: Attach Control Knobs

Push five control knobs (K) onto the stem of the valve.



## Step 25: Attach Grease Cup

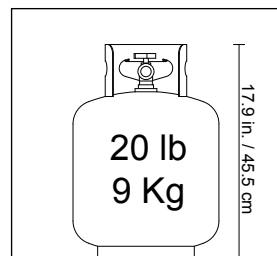
Insert the grease cup (Q) into the grill body.



# INSTALLATION INSTRUCTIONS

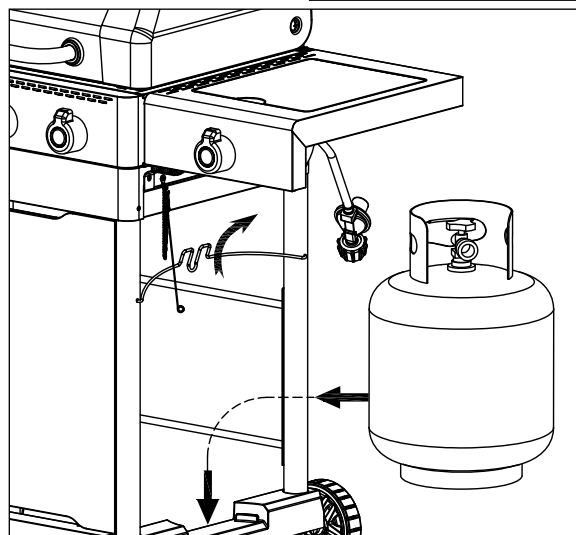
To operate, you will need one precision-filled standard grill LP gas tank with external valve threads.

	<b>CAUTION</b>	
<p>⚠ LP gas tank must be properly disconnected and removed prior to moving this grill.</p>		



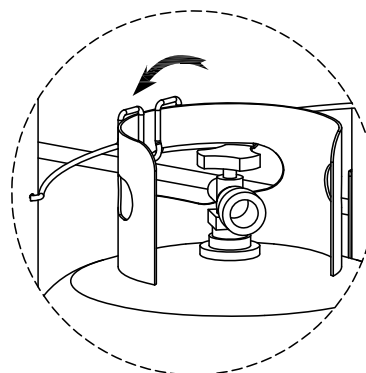
## Inserting LP Gas Tank

Place precision-filled LP gas tank upright into the notches in the right cart frame so the tank valve is facing the gas line connection.



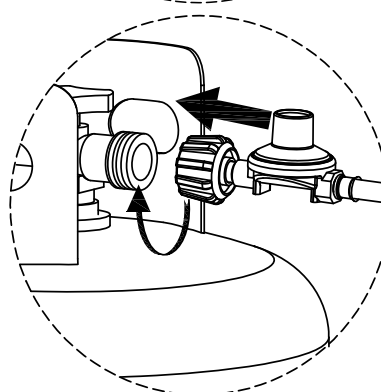
## Securing LP Gas Tank

Secure tank by sliding the tank retainer wire over shoulder of LP gas tank.



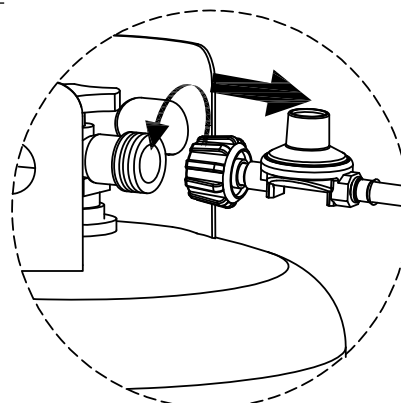
## Connecting LP Gas Tank

1. Before connecting, be sure there is no debris caught in the head of the LP gas tank, head of the regulator valve or in the head of the burner or burner ports.
2. Connect regulator/hose assembly to tank by turning knob clockwise until it stops.



## Disconnecting LP Gas Tank

1. Before disconnecting, make sure the LP gas tank valve is "CLOSED".
  2. Disconnect regulator/hose assembly from LP gas tank by turning knob counterclockwise until it is loose.
- ⚠ **CAUTION:** LP gas tank must be properly disconnected and removed prior to moving this grill.
3. Place the protective cap cover on the LP tank and store the tank outdoors in a well ventilated area out of direct sunlight.




# OPERATING INSTRUCTIONS

## Checking for Leaks

### Burner Connections


1. Make sure the regulator hose and valve connections are securely fastened to the burner and the tank.
2. Visually check the connection between the burner/venturi tube and orifice.
3. Make sure the burner/venturi tube fits over the orifice.
- ⚠ **WARNING:** Failure to inspect this connection or follow these instructions could cause a fire or an explosion which can cause death, serious bodily injury or damage to property.
4. Please refer to diagram for proper installation (Figures 1 and 3).
5. If the burner/venturi tube does not rest flush to the orifice, as shown, please contact 1.800.963.0211 for assistance.

### Tank / Gas Line Connection

1. Make 2-3 oz. of leak detection solution by mixing one part liquid dishwashing soap with three parts water.
2. Make sure control knobs are in the “ OFF” position (Figure 3).
3. Connect LP gas tank per “Installing LP Gas Tank” section.
4. Turn LP gas tank valve to “OPEN”.
5. Spoon several drops of solution, or use a squirt bottle, at all “X” locations (Figures 1, 2 and 4).
  - a. If any bubbles appear, turn LP gas tank valve to “CLOSED”, reconnect and re-test.
  - b. If you continue to see bubbles after several attempts, turn LP gas tank valve to “CLOSED” and disconnect LP gas tank, per “Disconnecting LP Gas Tank” section.
  - c. If no bubbles appear after one minute, turn LP gas tank valve to “CLOSED”, wipe away solution and proceed.




## Operating Main Burners

### First Use

1. Make sure all labels, packaging and protective films have been removed from the grill.
2. Remove manufacturing oils before cooking on this grill for the first time by operating the grill for at least 15 minutes on  (HIGH) with the lid closed. This will “heat clean” the internal parts and dissipate odors.

### Lighting

- ⚠ **CAUTION:** Keep outdoor gas cooking appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
- ⚠ **CAUTION:** Do NOT obstruct the flow of combustion and ventilation air.
- ⚠ **CAUTION:** Check and clean burner/venturi tubes for insects and insect nests. A clogged tube can lead to a fire.
- ⚠ **CAUTION:** Attempting to light the burner with the lid closed may cause an explosion.

1. Open lid.
2. Check for obstructions of airflow to the burners. Spiders, insects and webs can clog the burner/venturi tube. A clogged burner tube can lead to a fire.
3. All control knobs must be in the “ OFF” position (Figure 3).
4. Connect LP gas tank per “Installing LP Gas Tank” section.
5. Turn LP gas tank valve to “OPEN”.
6. Push and turn control knob to  (HIGH). the burner should light. Repeat up to three times.
7. If ignition does not occur in 5 seconds, turn burner control knob “ OFF,” wait 5 minutes, and repeat lighting procedure.
8. If igniter does not light burner, use a lit match secured with the lighting rod (included with grill) to light burners. Access the burners through the cooking grid and heat plates. Position lit match near side of burner (Figure 5).

Important: Always use the lighting rod (included) when lighting burners with a match.

9. After lighting, observe the burner flame. Make sure all burner ports are lit and flame height matches illustration (Figure 6).

Note: Each burner lights independently - repeat steps 5-9 for the other burners.

Figure 1 Main Burners

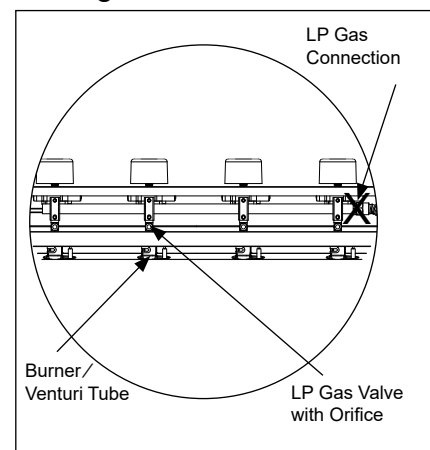


Figure 2 Side Burner

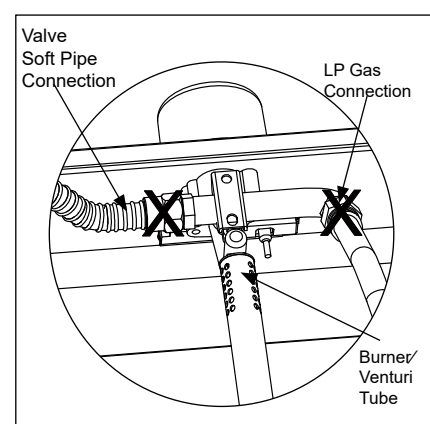


Figure 3

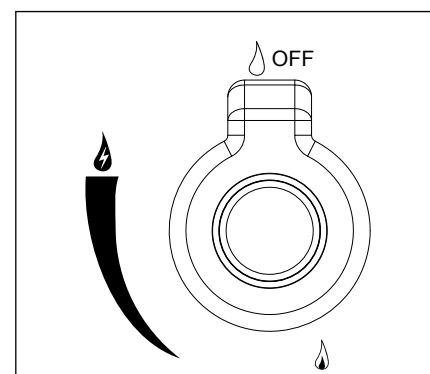
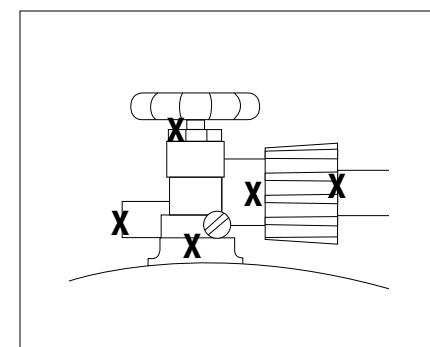




Figure 4





## OPERATING INSTRUCTIONS(CONTINUED)

- ▲ **CAUTION:** If burner flame goes out during operation, immediately turn the control knobs to the “ OFF” position, LP gas tank valve “CLOSED” and open lid to let the gas clear for 5 minutes before re-lighting.

### Turning Off

1. Turn LP gas tank valve to “CLOSED”.
2. Turn all control knobs clockwise to the “ OFF” position.  
Note: A “poof” sound is normal as the last of the LP gas is burned.
3. Disconnect LP gas tank per “Disconnecting LP Gas Tank” section.


### Controlling Flare-ups

- ▲ **CAUTION:** Putting out grease fires by only closing the lid is not possible.
- 1. If a grease fire develops, turn control knobs to the “ OFF” position and LP gas tank valve “CLOSED”. Do NOT use water on a grease fire. This can cause the grease to splatter and could result in serious burns, bodily harm or other damage.
- 2. Do NOT leave grill unattended while preheating or burning off food residue on  (HIGH). If grill has not been cleaned, a grease fire can occur.
- ▲ **WARNING:** When cooking, fire extinguishing materials should be readily accessible. In the event of an oil/grease fire, use type BC dry chemical fire extinguisher or smother with dirt, sand or baking soda. Do NOT attempt to extinguish with water.

Flare-ups are a part of cooking meats on a grill and add to the unique flavor of grilling.


Excessive flare-ups can over-cook your food and be dangerous.

Important: Excessive flare-ups result from the build-up of grease in the bottom of your grill.

If a grease fire occurs, close the lid AND turn the control knob(s) to “ OFF” until the grease burns out. Be careful when opening the lid as sudden flare-ups may occur.

If excessive flare-ups occur, do NOT pour water onto the flames.

### Minimize Flare-ups:

1. Trim excess fat from meats prior to cooking.
2. Cook high fat content meats on  (LOW) setting or indirectly.
3. Ensure that your grill is on a hard, level, non-combustible surface and the grease is allowed to drain into grease receptacle.

## Operating Side Burner

**NOTE:** Side burner can be used while main burners are operating.  
Never use side burner as a grill.

- ▲ **CAUTION:** Maximum weight for side burner and side shelf is 33 lbs.
- ▲ **CAUTION:** Using pots larger than 6 quarts in capacity could exceed weight limit of the side burner shelf, resulting in failure of grill cart components.
- ▲ **CAUTION:** Do NOT lean on the side burner shelf.
- ▲ **CAUTION:** Attempting to light the burner with the lid closed may cause an explosion.

### Lighting




1. Open lid.
2. Check for obstructions of airflow to the burners. Spiders, insects and webs can clog the burner/venturi tube. A clogged burner tube can lead to a fire.
3. Control knob must be in the “ OFF” position (Figure 3).
4. Connect LP gas tank per “Installing LP Gas Tank” section.
5. Turn LP gas tank valve to “OPEN”.
6. Push and turn control knob to  (HIGH). The burner should light. If not, repeat up to three times.
7. If ignition does not occur in 5 seconds, turn burner control knob “ OFF,” wait 5 minutes and repeat lighting procedure.

Figure 5

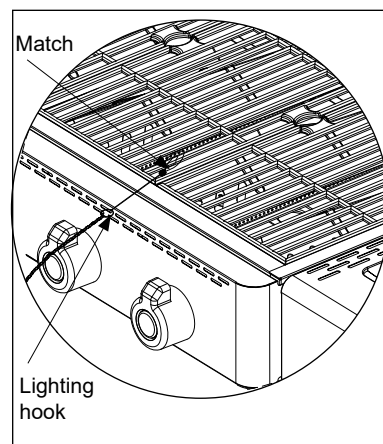


Figure 6

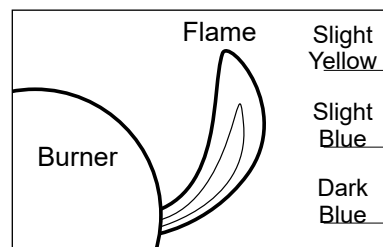
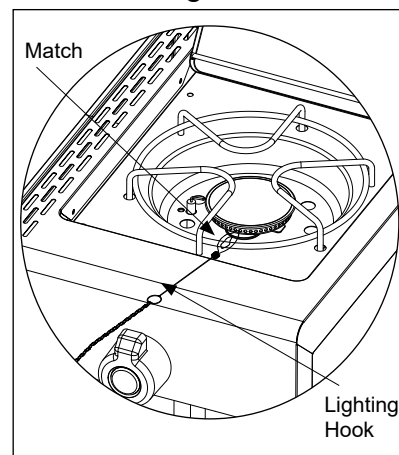



Figure 7




## OPERATING INSTRUCTIONS(CONTINUED)

---

1. If igniter does not light burner, use a lit match secured with the lighting rod (included with grill) to light burners. Position the lit match near side of the burner (Figure 7).
  2. Important: Always use the lighting rod (included) when lighting burner with a match. After lighting, observe the burner flame. Make sure all burner ports are lit and flame height matches illustration (Figure 6).
- ▲ CAUTION: If burner flame goes out during operation, immediately turn the control knob to the “ OFF” position and LP gas tank valve “CLOSED” and open lid to let the gas clear for 5 minutes before re-lighting.

### Turning Off

1. Turn LP gas tank valve to “CLOSED”.
2. Turn control knob clockwise to the “ OFF” position.  
Note: A “poof” sound is normal as the last of the LP gas is burned.
3. Disconnect LP gas tank per “Disconnecting LP Gas Tank” section.

### Cooking

1. Open lid and ignite the side burner per “Lighting” instructions.
2. Adjust control knob to desired flame height.
3. Place pan on center of grid.
4. Cook and adjust temperature as needed.
5. Turn grill off per “Turning Off” instructions.

## CARE AND MAINTENANCE

---

- ▲ CAUTION:
1. All cleaning and maintenance should be done when grill is cool and with the fuel supply disconnected.
  2. Do NOT clean any grill part in a self-cleaning oven. The extreme heat will damage the finish.
  3. Do NOT enlarge valve orifices or burner ports when cleaning the valves or burners.

### Notices

1. This grill should be thoroughly cleaned and inspected on a regular basis.
2. Abrasive cleaners will damage this product.
3. Never use oven cleaner to clean any part of grill.


### Before Each Use

1. Keep the grill area clean and free from any combustible materials, gasoline, and other flammable vapors and liquids.
2. Do NOT obstruct the flow of the combustion of LP gas and the ventilation of air.
3. Keep the ventilation opening(s) of the LP gas tank area free and clear from debris.
4. Visually check the burner flames to make sure your grill is working properly (Figure 8).
5. See sections below for proper cleaning instructions.
6. Check for obstructions of airflow to the burners. Spiders, insects and webs can clog the burner/venturi tube.  
A clogged burner tube can lead to a fire.

### Cleaning Surfaces

1. Wipe surfaces clean with mild dishwashing detergent or baking soda mixed with water.
2. For stubborn surfaces, use a citrus-based degreaser and a nylon scrubbing brush.
3. Rinse clean with water.
4. Allow to air dry.

### Cleaning Main Burners

1. Turn LP gas tank valve to “CLOSED”.
2. Turn all control knobs clockwise to the “ OFF” position.  
Note: A “poof” sound is normal as the last of the gas is burned.
3. Disconnect LP gas tank per “Disconnecting LP Gas Tank” section.
4. Remove cooking grids and heat plates.

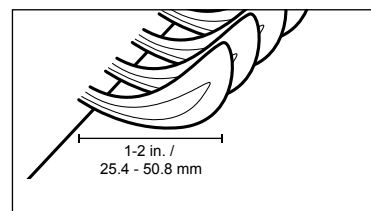
## CARE AND MAINTENANCE(CONTINUED)

1. Remove burners by removing the fasteners, which secure the burners to the grill bottom.
2. Lift burners up and away from gas valve orifice.
3. Disconnect wire from spark electrode.
4. Clean venturi of each burner with small bottle brush or compressed air.
5. Remove all food residue and dirt from burner surface.
6. Clean any clogged ports with a stiff wire (such as an opened paper clip).
7. Inspect burners for any damage (cracks or holes). If damage is found, replace with new burner(s) from manufacturer.
8. Re-install burner(s). Checking to insure that gas valve orifice is correctly positioned inside each burner/venturi tube. Also, check position of spark electrode.
9. Replace heat plate(s) and cooking grid(s).
10. Connect LP gas tank per "Installing LP Gas Tank" section.
11. Perform leak test per "Checking for Leaks" section.

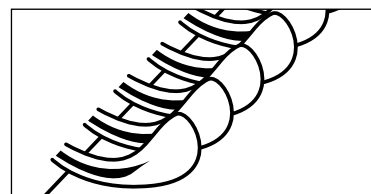
Figure 8

### Burner Flame Conditions

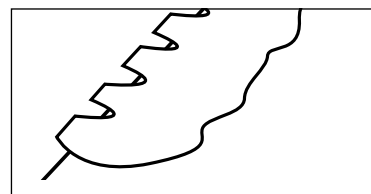
Use this chart to see if your burners need to be cleaned.



Normal: Soft blue flames with yellow tips between 1 in. - 2 in. height.



Needs cleaning: Noisy with hard blue flames.



Has to be replaced: Wavy with yellow flames.

### Cleaning Side Burner

1. Turn LP gas tank valve to "CLOSED".
2. Turn all control knobs clockwise to the "OFF" position.  
Note: A "poof" sound is normal as the last of the gas is burned.
3. Disconnect LP gas tank per "Disconnecting LP Gas Tank" section.
4. Remove side burner grid.
5. Remove burner by removing the screws that secure the burner to the side shelf.
6. Lift burner up and away from gas valve orifice.
7. Clean venturi of burner with small bottle brush or compressed air.
8. Remove all food residue and dirt from burner surface.
9. Clean any clogged ports with a stiff wire (such as an opened paper clip).
10. Inspect burner for any damage (cracks or holes). If damage is found, replace with new burner from manufacturer.
11. Re-install burner(s). Checking to insure that gas valve orifice is correctly positioned inside each burner/venturi tube. Also, check position of spark electrode.
12. Replace cooking grid(s).
13. Connect LP gas tank per "Installing LP Gas Tank" section.
14. Perform leak test per "Checking for Leaks" section.

### Before Storing

1. Turn LP gas tank valve to "CLOSED".
2. Turn all control knobs clockwise to the "OFF" position.  
Note: A "poof" sound is normal as the last of the gas is burned.
3. Disconnect LP gas tank per "Disconnecting LP Gas Tank" section.
4. Clean all surfaces.
5. Lightly coat the burner(s) and cooking grid(s) with cooking oil to prevent excess rusting.
6. If storing the grill indoors, disconnect the LP tank per "Disconnecting LP Gas Tank" section.
7. Place the protective cap cover on the LP tank and store the tank outdoors in a well-ventilated area out of direct sunlight.
8. If storing the grill indoors, cover the grill and store in a cool dry place.
9. If storing the grill outdoors, cover the grill with a grill cover for protection from the weather.

## LIMITED WARRANTY

---

Proof of purchase is required to access this warranty program, which is in effect from the date of purchase. Customers will be subject to parts, shipping, and handling fees if unable to provide proof of the purchase or after the warranty has expired.

If you have any questions or problems, you can call our customer service department at 1-800-963-0211, 8 a.m. - 8 p.m., EST, Monday - Sunday. You could also contact us at [partsplus@lowes.com](mailto:partsplus@lowes.com) or visit [www.lowespartsplus.com](http://www.lowespartsplus.com).

### Limited Warranty

1-Year Warranty on all parts affecting the operation of the gas grill due to damage.

### Warranty Provisions:

This warranty is non-transferable and does not cover failures due to misuse or improper installation or maintenance.

This Warranty is for replacement of defective parts only. We are not responsible for incidental or consequential damages or labor costs.

This warranty does not cover corrosion or discoloration after the grill is used, or due to lack of maintenance, hostile environment, accidents, alterations, abuse or neglect.

This warranty does not cover damage caused by heat, abrasive and chemical cleaners, or any damage to other components used in the installation or operation of the gas grill.

Some states do not allow the limitation or exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

## TROUBLESHOOTING

Problem	Possible Cause	Prevention/Cure
Burner will not light using igniter	LP gas tank valve is closed	Make sure regulator is securely attached to the LP gas tank per "Installing LP Gas Tank", then turn LP gas tank valve to "OPEN"
	LP gas tank is low or empty	Exchange, refill or replace LP gas tank
	LP gas	1. Turn LP gas tank valve to "CLOSED" 2. Wait 5 minutes for gas to clear 3. Follow "Checking for Leaks" section
	Wires or electrode covered with cooking residue	Clean wire and/or electrode with rubbing alcohol
	Electrode and burners are wet	Wipe dry with cloth
	Electrode cracked/broken - sparks at crack	Replacement part(s) may be needed - contact Customer Care at 1.800.963.0211
	Wire loose or disconnected	Reconnect wire or replacement part(s) may be needed - contact Customer Care at 1.800.963.0211
	Wire is shorting (sparking) between ignitor and electrode	Replacement part(s) may be needed - contact Customer Care at 1.800.963.0211
	Bad igniter	Replacement part(s) may be needed - contact Customer Care at 1.800.963.0211



# TROUBLESHOOTING

Burner will not light with match	No gas flow	Check if LP gas tank is empty A. If empty, exchange, refill or replace LP gas tank B. If LP gas tank is not empty, refer to “Sudden drop in gas flow or reduced flame height” (see below)
	LP gas tank is low or empty	Exchange, refill or replace LP gas tank
	LP gas	1. Turn LP gas tank valve to “CLOSED” 2. Wait 5 minutes for gas to clear 3. Follow “Checking for Leaks” section
	Coupling nut and regulator not fully connected	Turn the coupling nut about one-half to three-quarters additional turn until solid stop. Tighten by hand only - do NOT use tools
	Obstruction of gas flow	1. Clear burner/venturi tube 2. Check for bent or kinked hose
	Disengagement of burner to valve	Reengage burner and valve
	Spider webs or insect nest in venturi	Clean burner/venturi tube
	Burner ports clogged or blocked	Clean burner ports
Sudden drop in gas flow or reduced flame height	Out of gas	Exchange, refill or replace LP gas tank
	Overfilling prevention device may have been activated	1. Turn control knobs to “OFF” 2. Wait 30 seconds and light grill 3. If flames are still too low, reset the overfilling prevention device: a. Turn control knob(s) “OFF” b. Turn LP gas tank valve to “CLOSED” c. Disconnect regulator d. Turn control knobs to 🔥 (HIGH) e. Wait 1 minute f. Turn control knobs to “OFF” g. Reconnect regulator and leak check connections, being careful not to fully open valve h. Light grill per “Lighting” section
Irregular flame pattern, flame does not run the full length of burner	Burner ports are clogged or blocked	Clean burner ports
Flame is yellow or orange	New burner may have residual manufacturing oils	Burn grill for 15 minutes on 🔥 (HIGH) with the lid closed
	Spider webs or insect nest in venturi	Clean venturi
	Food residue, grease, etc. on burners	Clean burner
	Poor alignment of valve to burner/venturi tube	Ensure burner/venturi tube is properly engaged with valve
Flame goes out	High or gusting winds	Do not use grill in high winds
	Low on LP Gas	Exchange, refill or replace LP gas tank
	Overfilling prevention device may have been activated	Refer to “Sudden drop in gas flow or reduced flame height” (see above)
Flare-up	Grease buildup	Remove and clean all grill parts per “Cleaning and Care” section
	Excess fat in meat	Trim fat from meat before grilling
	Excessive cooking temperature	Adjust to lower cooking temperature
Persistent grease fire	Grease trapped by food buildup around burner system	1. Turn control knobs to “OFF” 2. Turn LP gas tank valve to “CLOSED” 3. Leave lid in closed position and let fire burn out 4. After grill cools, remove and clean all parts per “Cleaning and Care” section
Flashback (fire in burner tube(s))	Burner and/or burner/venturi tube are blocked	Clean burners and/or burner/venturi tube
Inside of lid is peeling (like paint peeling)	Baked on grease buildup has turned to carbon and is flaking off.	Clean all grill parts per “Cleaning and Care” section.

## REPLACEMENT PARTS LIST

For replacement parts, call the customer service department at 1.800.963.0211, 8 a.m. - 8 p.m., EST, Monday - Sunday. You could also contact us at [partsplus@lowes.com](mailto:partsplus@lowes.com) or visit [www.lowespartsplus.com](http://www.lowespartsplus.com)

Part	Description	Part#
1	Warming Rack	G22491-010
2	Cooking Grid	G22491-020
3	Heat Plate	G22491-030
4	Lid Handle*	G22491-040
5	Temperature Gauge	B0104-J02
6	Lid*	G22491-050
7	Grill Body Assembly*	G22491-060
8	Main Burner*	G22491-070
9	Grease Tray*	G22491-080
10	Left Side Shelf	G22491-090
11	Control Knob	G22491-100
12	Lighting Rod*	B0223-D04
13	Regulator/Hose Assembly*	B0308-A18
14	Right Side Shelf	G22491-110
15	Side Burner Grid	B0404-C03
16	Side Burner	G22491-120

Part	Description	Part#
17	Grease Cup	B0219-HA0
18	Side Cart Frame	G22491-130
19	Rear Leg	G22491-140
20	Front Leg	G22491-150
21	Cart Frame Support A	G22491-160
22	Upper Cart Frame	G22491-170
23	Rear Cart Frame Support	G22491-180
24	LP Gas Tank Retainer Wire	G22491-190
25	Left Leg Seat	G22491-200
26	Cart Frame Support B	G22491-210
27	Front Panel	G22491-220
28	Right Leg Seat	G22491-230
29	Axle	G22491-240
30	Wheel	B0302-E05
31	Lower Cart Frame	G22491-250

\* Pre-assembled