

LP GAS GRILL USER MANUAL

SWISS GRILL I500TS

MODEL: CBD-411BYB



The instructions shall be marked with directions to the installer to leave them with the consumer and to the consumer to retain them for future reference.



WARNING

To reduce the risk of fire, burn hazard or other injury, read the Care and Use Manual carefully and completely before using your grill.



WARNING

The outdoor cooking gas appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than $\frac{1}{2}$ psi (3.5 kPa)



WARNING

This grill is not intended to be installed in or on recreational vehicles and/or boats.





WARNING


FOR OUTDOOR USE ONLY


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 **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 gas supplier or your fire department.

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

 **WARNING** – Hazards or unsafe practices which COULD result in severe personal injury or death.

 **CAUTION** – Hazards or unsafe practices which COULD result in minor personal injury.

 **WARNING**
 Do not try lighting this appliance without first reading the “LIGHTING INSTRUCTIONS” section of this manual.

 **CAUTION**
 The grill head is heavy and will require two or more people to lift and position onto grill cart.

**WARNING**

Do not use the grill if the odor of gas is present.

**WARNING**

Never attempt to use damaged equipment. See your local liquid propane dealer for repair.

**WARNING**

Do not install this unit into combustible enclosures. There should be a minimum clearance of 24 inches from all sides to combustible materials.

**WARNING**

Maximum LP gas tank size is 12 inches in diameter by 18-1/2 inches tall. Do not use a tank without an Overfill Prevention Device (OPD), which prevents the tank from being overfilled and possibly damaging your grill.

**WARNING**

Do not leave the grill unattended while cooking.

**WARNING**

Spiders and insects can nest inside the burners of the grill and disrupt gas flow. Inspect the grill at least twice a year.

**CAUTION**

When using the rotisserie burner, remove the warming rack. High heat from the burner may cause the warming rack to bend.

**WARNING**

1. The grill and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing in excess of 1/2 PSI (3.5 kpa).

**WARNING**

Check all gas supply fittings for leaks before each use. Do not use the grill until all connections have been checked and do not leak. Do not smoke while leak testing. Never leak test with an open flame.

**WARNING**

This grill is not intended to be installed in or on recreational vehicles and/or boats.

**WARNING**

When lighting, keep your face and hands as far away from the grill as possible.

**WARNING**

Do not store grill indoors unless the cylinder is disconnected. Do not store cylinder in a building, garage, or any other enclosed area, and keep out of reach of children at all times.

**WARNING**

Failure to properly place the burner over the orifice could cause a fire to occur behind and beneath the valve panel, thereby damaging the grill and making it unsafe to operate.

**CAUTION**

When using a match to light the grill, make sure to use the attached lighting rod.

**CAUTION**

Before cleaning, make sure the gas supply and control knobs are in the "OFF" position and the burners have cooled.

BEFORE LIGHTING

Inspect the gas supply hoses prior to turning on the gas. If there is evidence of cuts, wear, or abrasion, it must be replaced prior to use.

Only the pressure regulator and hose assembly supplied with the unit should be used. Never substitute regulators for those supplied with the grill. Contact customer service for proper replacement.

Screw the regulator onto the cylinder. Leak check the hose and regulator connections with a soap and water solution before operating the grill (See "Leak Testing" instructions on page 13).

Do not turn on the gas at the LP gas cylinder unless the gas hose is properly connected to the side burner gas pipe system and all burner valves are in the "OFF" position.

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



LP GAS CYLINDER WARNING

1. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
2. A liquid propane cylinder not connected for use should not be stored in the vicinity of this or any other appliance.
3. Do not store spare liquid propane gas cylinders under or near this appliance.
4. Never fill the cylinder beyond 80 percent capacity.
5. Liquid propane cylinders must be fitted with an Overfill Protection Device (OPD).
6. If the information above is not followed exactly, a fire resulting in death or serious injury could occur.

SAFETY PRACTICES TO AVOID INJURY

When properly cared for, your grill will provide safe, reliable service for many years. However, extreme care must be used as the grill produces intense heat that can increase accident potential.

When using this appliance basic safety practices must be followed, including the following:

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

The grill is for outdoor use only.

The grill is not intended to be installed in or on recreational vehicles and/or boats.

Children should not be left alone or unattended in an area where the grill is being used. Do not allow children to sit, stand or play on or around the grill at any time.

Do not store items of interest to children around or below the grill or cart. Do not allow children to crawl inside the cart.

Never let clothing, pot holders or other flammable materials come in contact with or too close to any grate, burner or hot surface until it has cooled. The fabric could ignite, causing serious personal injury.

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

Only certain types of glass, ceramic, earthenware, or other glazed utensils are suitable for grill use.

Other types of materials may shatter with sudden temperature changes. Use only low or medium heat settings in accordance with the manufacturer's guidelines.

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

Use a covered hand when opening the grill lid. Never lean over an open grill.



When lighting a burner, always pay close attention to what you are doing. Make certain you are aware of which burner you are lighting so that your body and clothing remain clear of open flames.

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

Do not allow potholders to touch hot portions of the grill rack.

Grease is flammable. Let hot grease cool before attempting to handle it. Do not allow grease deposits to collect in the grease tray at the bottom of the grill's firebox. Clean the grease tray often.

Do not use aluminum foil to line the grill racks or grill bottom. This can severely upset combustion airflow or trap excessive heat in the control area.



WARNING

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



WARNING

Do not install this unit in combustible enclosures. There should be a minimum clearance of 24 inches from all sides to combustible materials.



CALIFORNIA PROPOSITION 65 WARNING

The burning of gas fuel generates some byproducts, which are known by the State of California to cause cancer or reproductive harm. To minimize exposure to these substances, always operate this unit according to the care and use manual, ensuring you provide good ventilation when cooking with gas.



TESTED IN ACCORDANCE WITH ANSI Z21.58 LATEST STANDARD and CSA 1.6b-2012 STANDARD FOR OUTDOOR COOKING GAS APPLIANCES. THIS GRILL IS FOR OUTDOOR USE ONLY.

Check your local building codes for the proper method of installation. In the absence of local codes, follow either the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or CAN/CGA-B149.1, Natural Gas and Propane Installation Code, Electrical Code, ANSI/NFPA 70

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

Exercise caution when cleaning grill. To avoid steam burns, do not use a wet sponge or cloth to clean the grill while it is hot. Some cleaners produce noxious fumes or can ignite if applied to a hot surface.

Never use a dented or rusty propane cylinder.

Turn off all control knobs and make certain the grill is cool before using any type of aerosol cleaner on or around it. The chemical that produces the spraying action could, in the presence of heat, ignite or cause metal parts to corrode.

Do not use the grill to cook excessively fatty meats or other products, which promote flare-ups.

Do not operate the grill under unprotected combustible constructions. Use only in well ventilated areas. Do not use in buildings, garages, sheds, breezeways or other such enclosed areas.



This unit is intended for outdoor use only.

Keep the areas surrounding the grill free from combustible materials including, fluids, trash, and vapors such as gasoline or charcoal lighter fluid. Do not obstruct the flow of combustion and ventilation air. If the unit is stored indoors, make sure it is cool.

Do not use briquettes of any kind in the grill.

This liquid propane gas grill is designed for optimum performance without the use of briquettes. Do not place briquettes on the flame tamers as this will block the vent to the grill burners. Adding briquettes can damage ignition components, thus voiding the warranty.

Keep the back of the cart free and clear from debris. Keep any electrical supply cord and the fuel supply hose away from any heated surface.

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

PLACEMENT OF THE GRILL

Outdoor cooking appliances should not be used under overhead combustible construction.

When determining a suitable location take into account concerns such as exposure to wind, proximity to traffic paths, and keeping gas supply lines as short as possible.

Place the grill in well-ventilated areas. Never place the grill in a building, garage, breezeway, shed or other such enclosed areas. During heavy use, the grill will produce a lot of smoke.

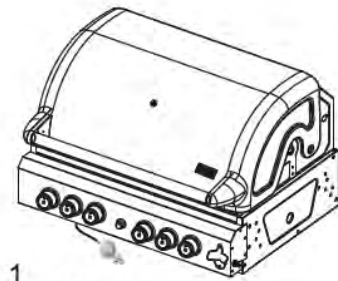


WARNING

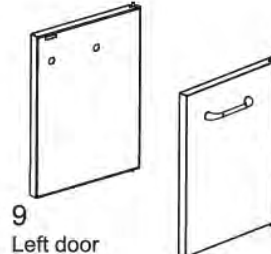
Electrical Grounding Instructions for Transformer – This appliance (Transformer) is equipped with a plug and should be plugged directly into a properly grounded receptacle. When installed, must be electrically grounded in accordance with local codes or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 or the Canadian Electrical Code, CSA C22.1. DO NOT cut or remove the grounding prong from this plug.

1. To protect against electrical shock, do not immerse cord or plugs in water or other liquids.
2. Unplug from the outlet when not in use and before cleaning. Allow to cool before putting on or taking off parts.
3. Do not operate any outdoor cooking gas appliance with a damaged cord, plug, or after the appliance malfunctions or has been damaged in any manner. Contact the manufacturer for repair.
4. Do not let the cord hang over the edge of a table or touch hot surface.
5. Do not use an outdoor cooking gas appliance for purposes other than intended.
6. When connecting, first connect plug to the outdoor cooking gas appliance then plug appliance into the outlet.
7. Use only a Ground Fault Interrupt (GFI) protected circuit with this outdoor cooking gas appliance.
8. Never remove the grounding plug or use with an adapter of 2 prongs.
9. Use only extension cords with 3 prong grounding plug, rated for the power of the equipments, and approved for outdoor use with a W-A marking.

PACKAGE CONTENTS LIST



1
Burner body

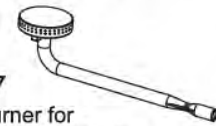


9
Left door

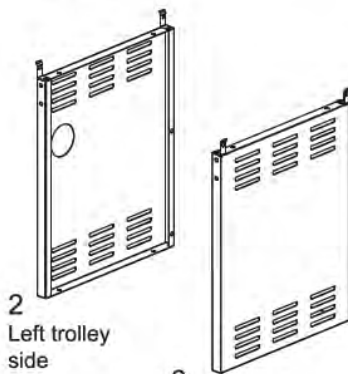
10
Right door



16
Warming rack

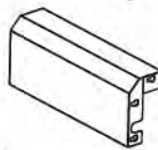


17
Burner for
the right side shelf

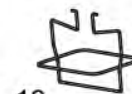


2
Left trolley
side

3
Right trolley
side



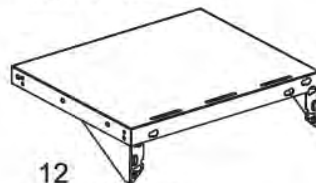
11
Left side front panel



18
Bowl support



19
Grease bowl



12
Left side shelf



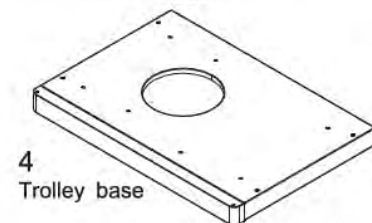
20
M6x10 Screw x 22



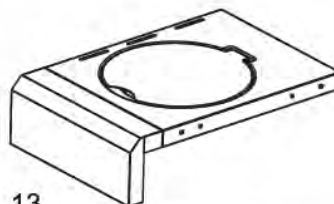
21
M5x8 Screw x 4



22
M4x6 Screw x 2



4
Trolley base



13
Right side burner



24
x 4



25
M5 Nut x 8



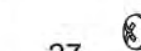
5
Wheels



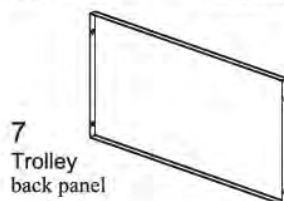
6
Castor wheels



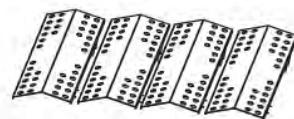
26
M6x15 Screw x 2



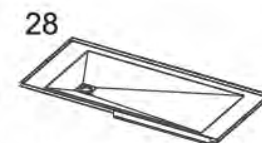
27
M6x20 Screw x 2



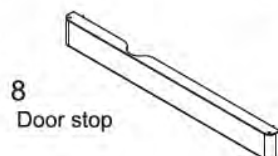
7
Trolley
back panel



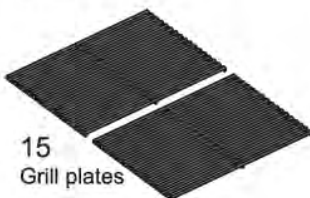
14
Flame tamers



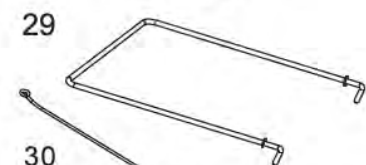
28



8
Door stop



15
Grill plates



29



30



31

Preparation

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

- **Tools Required for Assembly:**

Phillips Screwdriver (not included) and Wrench (included)

- **Note:** The right and left sides of the grill are designated as if you are facing the front of the grill.

Assembly Instructions

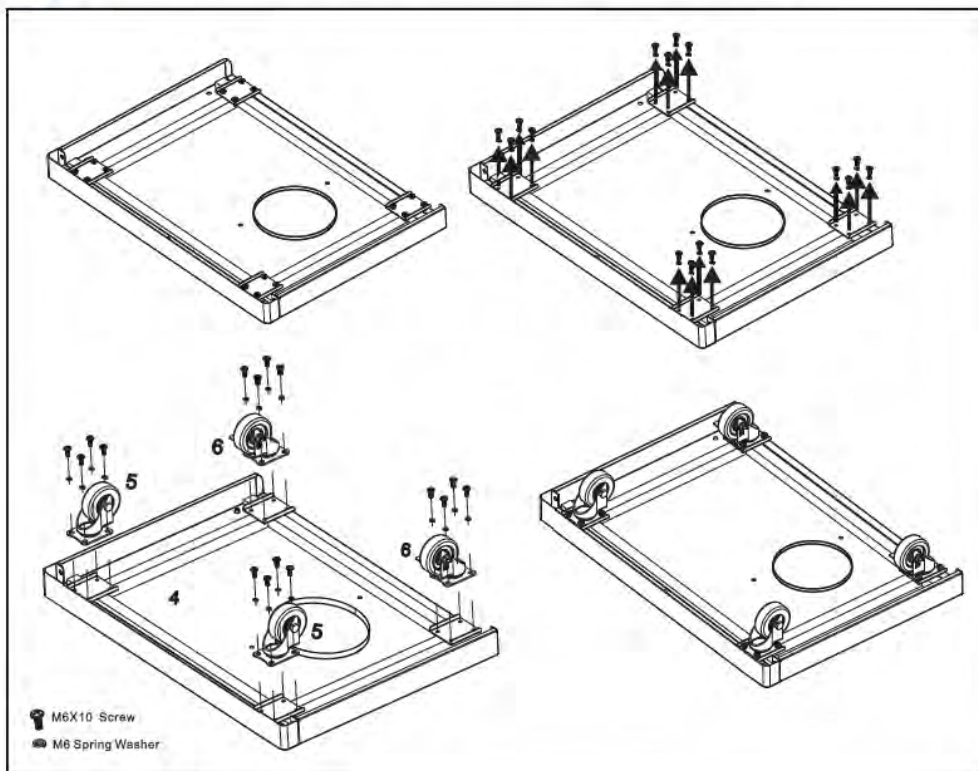
1. Caster Assembly

Mount the casters onto the bottom panel (4) using sixteen M6X10 head screws and sixteen spring washers (20). The two caster **with brake** (6) should be positioned under the front of the cart bottom as shown in Fig. 1. The two casters without brake (5) should be positioned under the rear of the cart bottom.



NOTE: Turn over the bottom panel for assembling casters.

Fig. 1



2. Side Panel Assembly

Use two M6x10 head screws (20) to connect the bottom of the left side panel to the bottom panel(4). Make the left side panel (2) flush with the rear of bottom panel and tighten the screws.

Repeat for the right side panel (3).

Fig.2

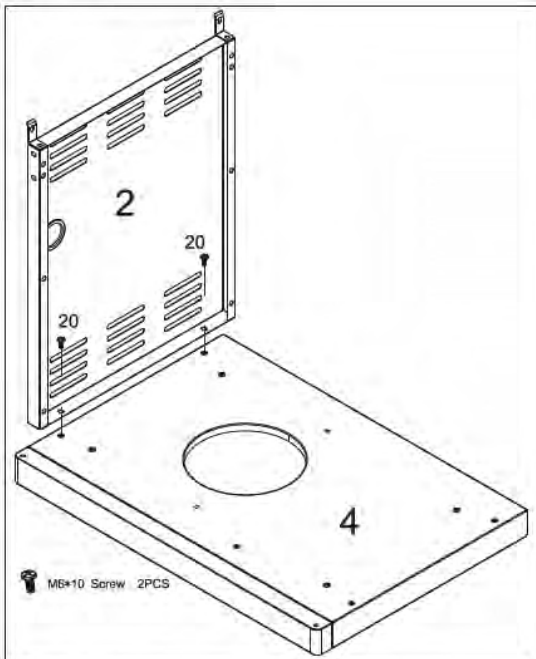
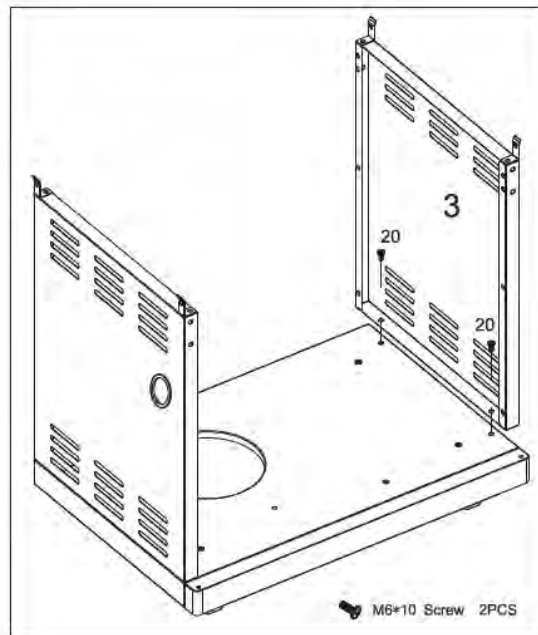


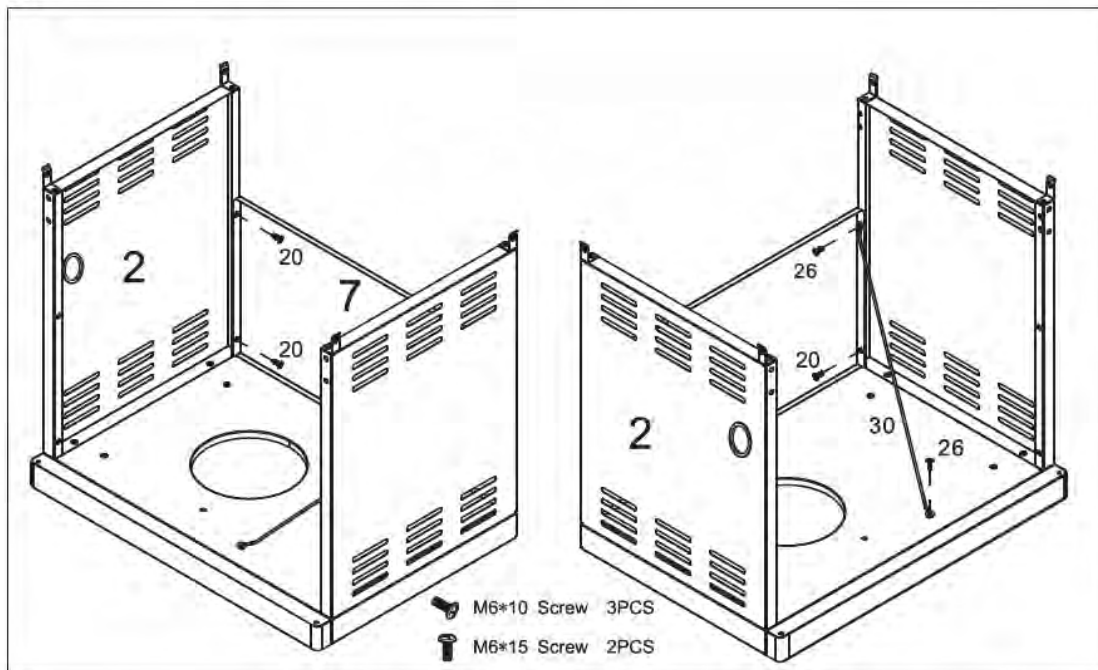
Fig.3



3. Back Panel Assembly

Remove the back panel from the carton. Position the back panel (7) with the flat side facing outward. Use four M6x10 head screws (20) to connect the back panel (7) to the right and left side panels as shown in Fig. 4.

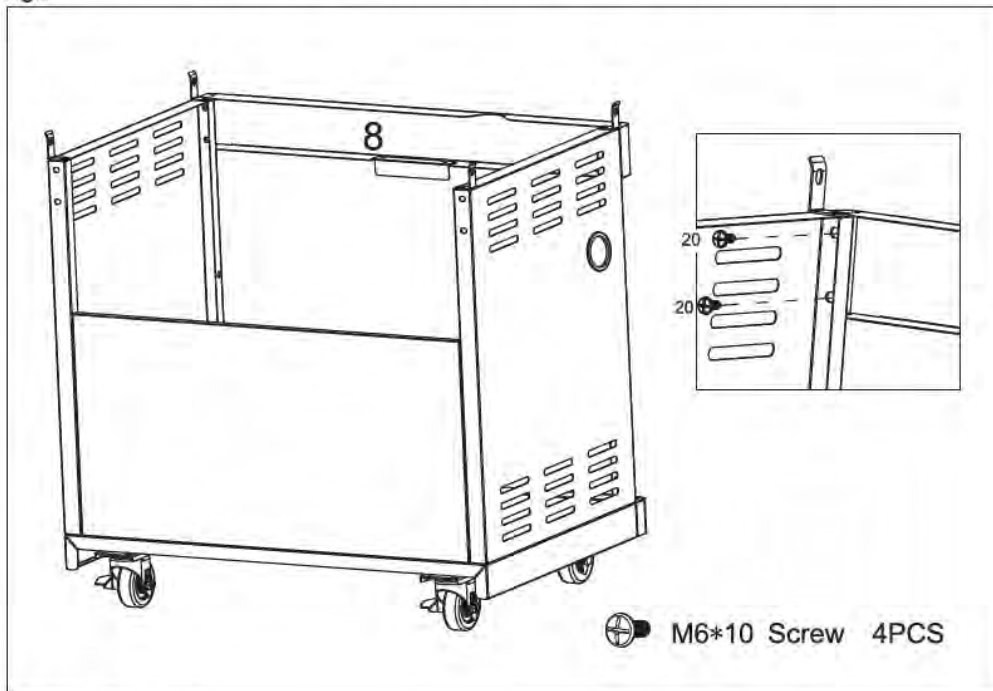
Fig.4



4. Door stop Assembly

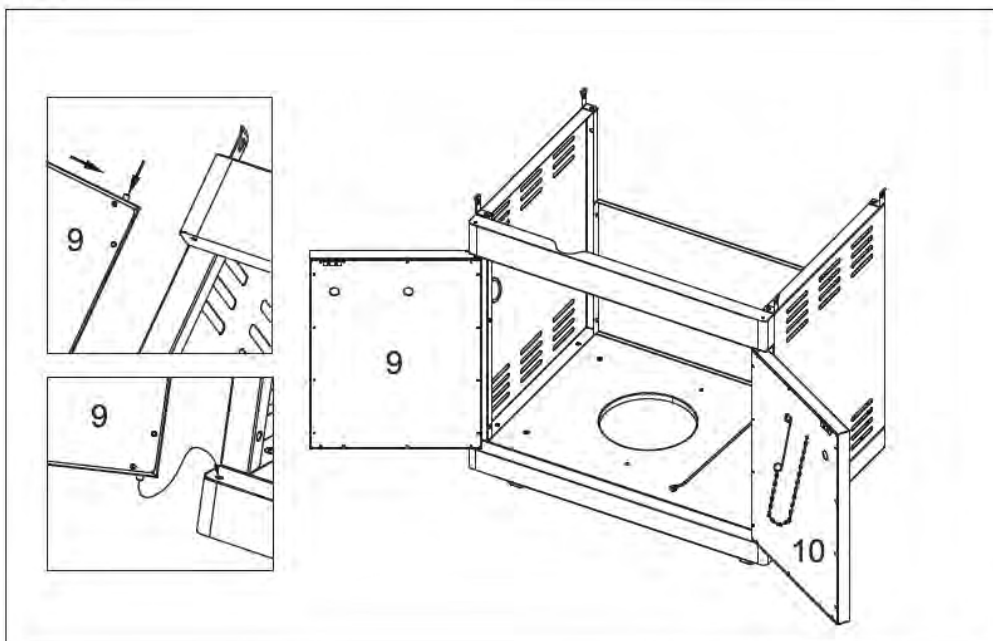
Attach the door stop(8) to the right and left side panels with screws(20) as shown in Fig. 5.

Fig.5

**5. Door Assembly**

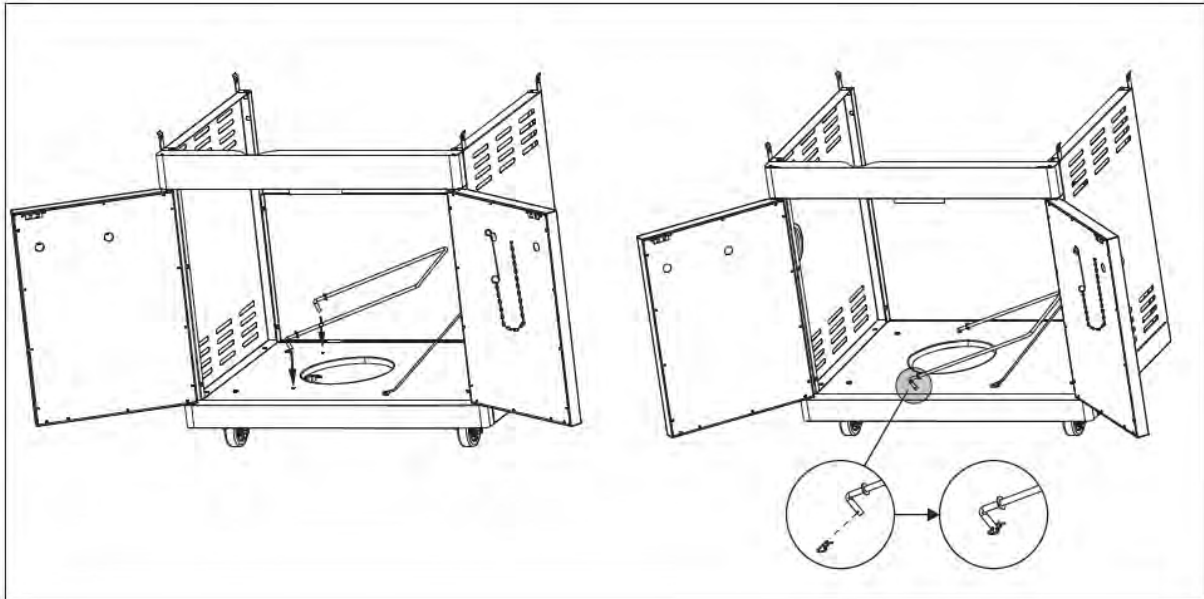
Attach the two doors (9.10) by fitting the hinge on the bottom panel and the door stop(8) as shown in Fig. 6.

Fig. 6



6. Gas cylinder holder Assembly

Fig. 7



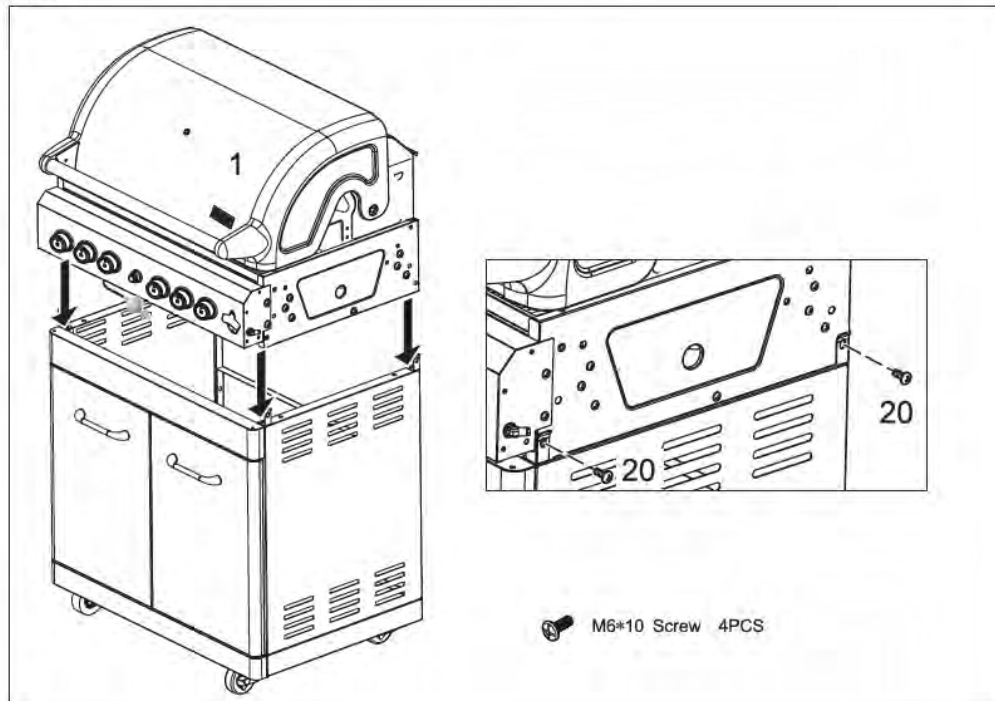
7. Firebox Assembly

Remove the firebox assembly (A) from the carton and carefully place onto the grill cart, Attach the firebox assembly (1) to the grill cart using four M6x10 head screws (20)

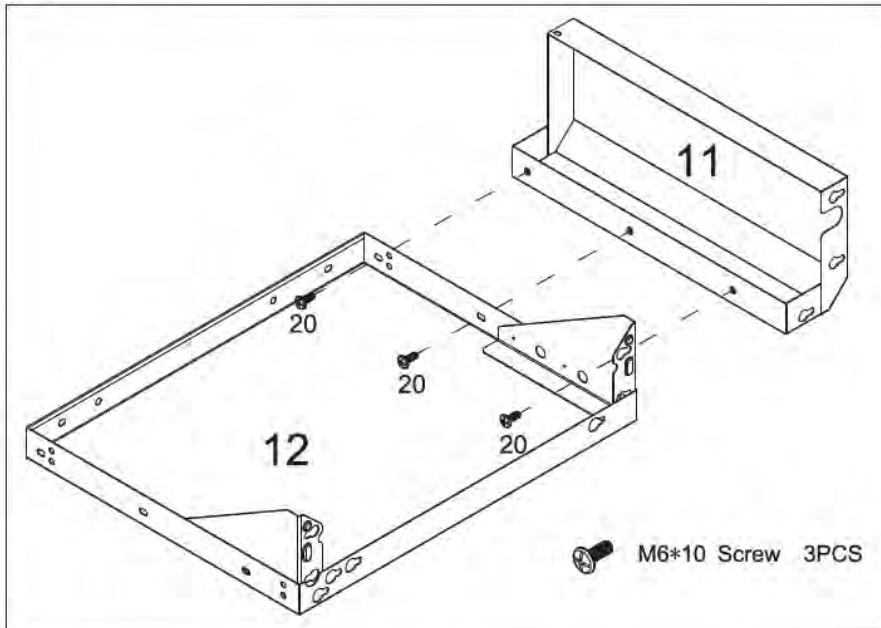


CAUTION The firebox assembly is heavy and will require two or more people to lift and position onto grill cart. Failure to do so may result in injury.

Fig.8



8. Attach the left side front panel (11) to the left side shelf (12) with two M6x10 screws (20)
Fig. 9.



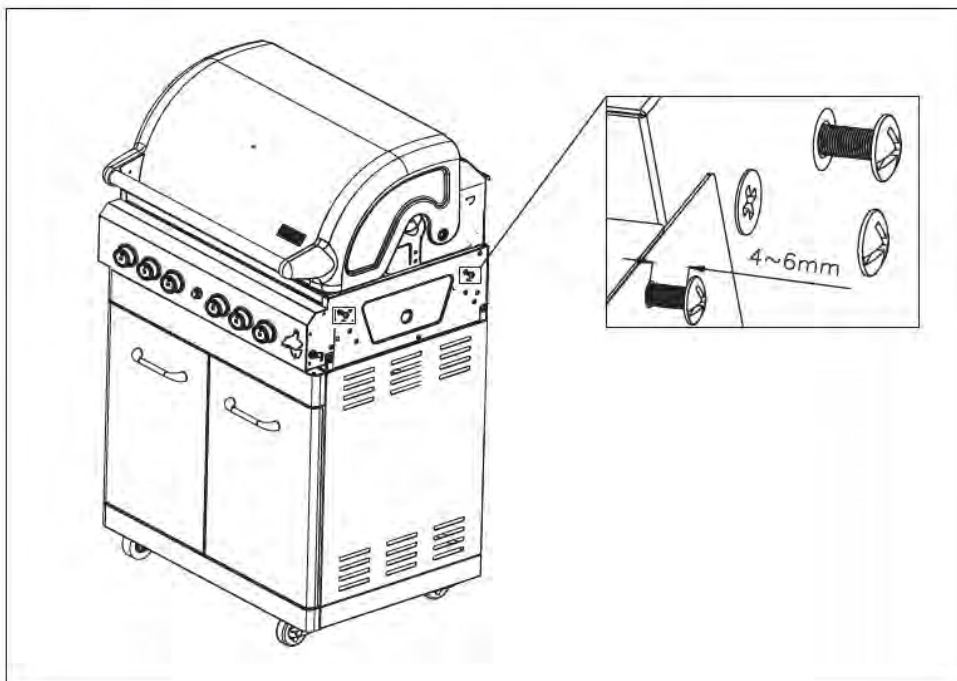
9. Shelves Assembly

Loosen the screws are pre-placed onto firebox left and right panel. as shown in Fig 10.



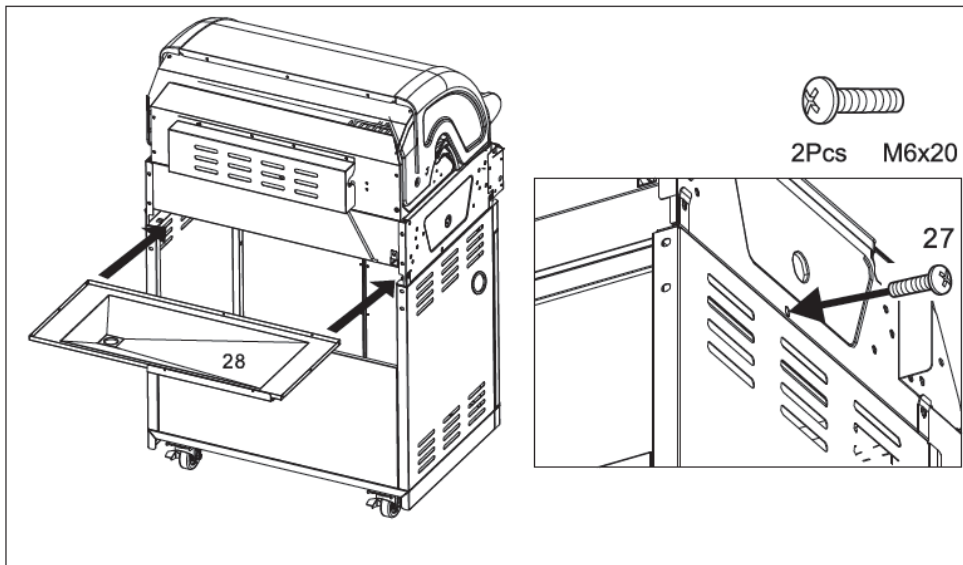
HINT: Do not remove these 2 screws completely

Fig. 10



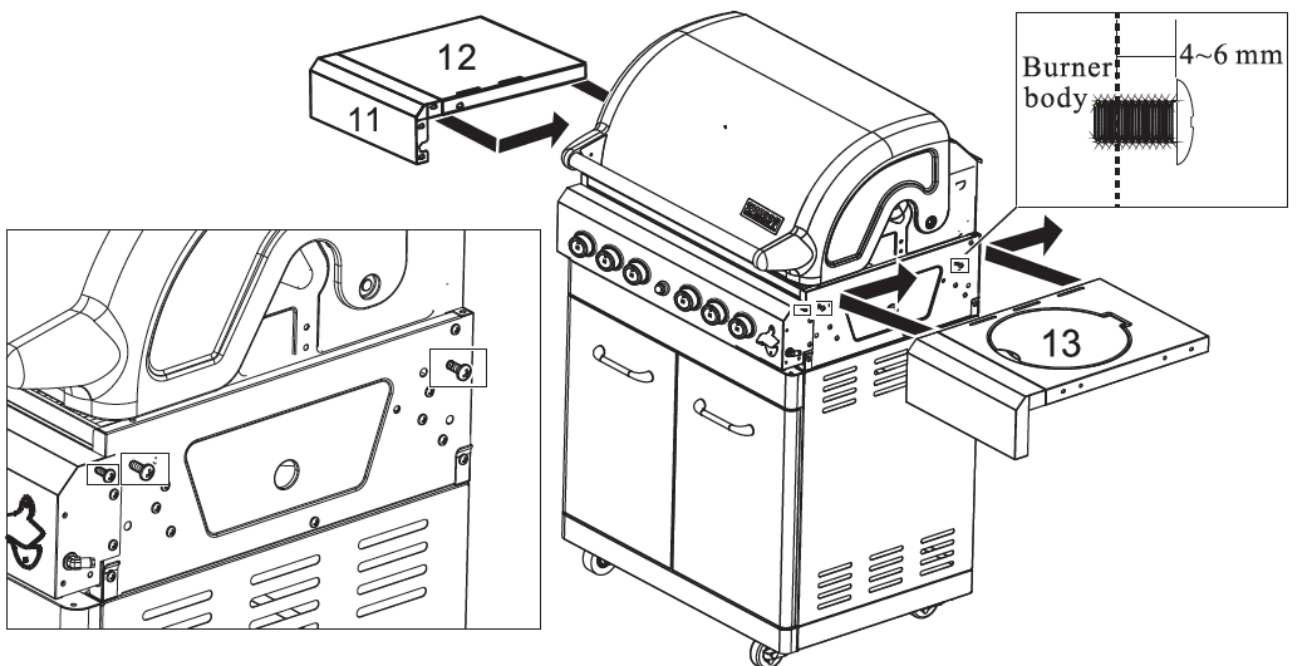
10. Put the grease tray into the bottom of the firebox, secure with screws

Fig. 11

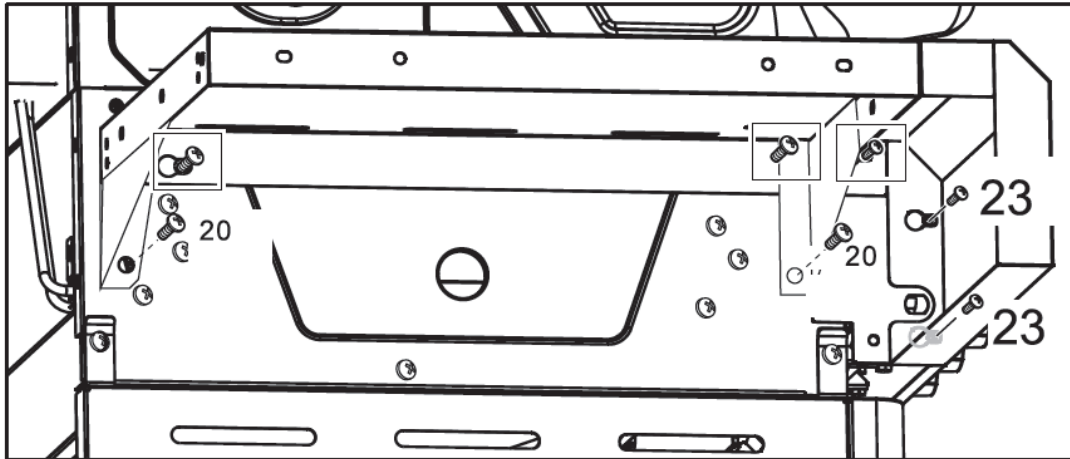




11. Hanging the left and right side shelf to the fire box, align with the fire box front panel, tighten the loosen screws.

Fig. 12

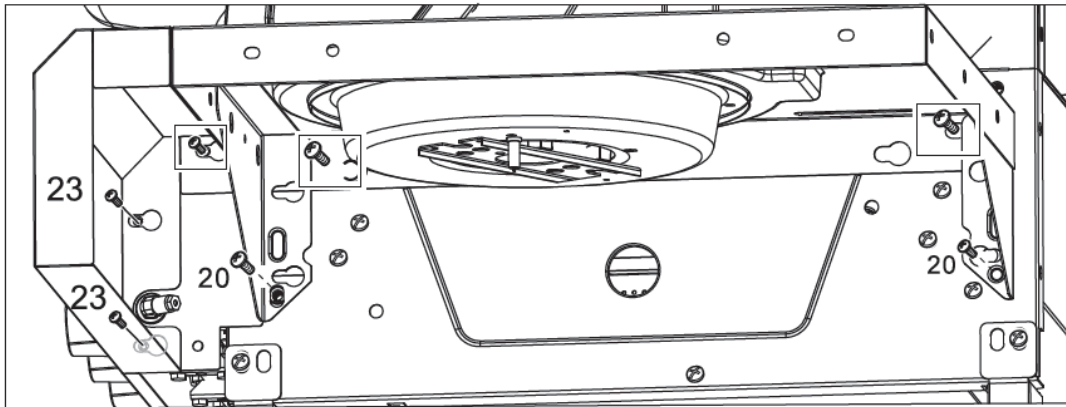




Left side



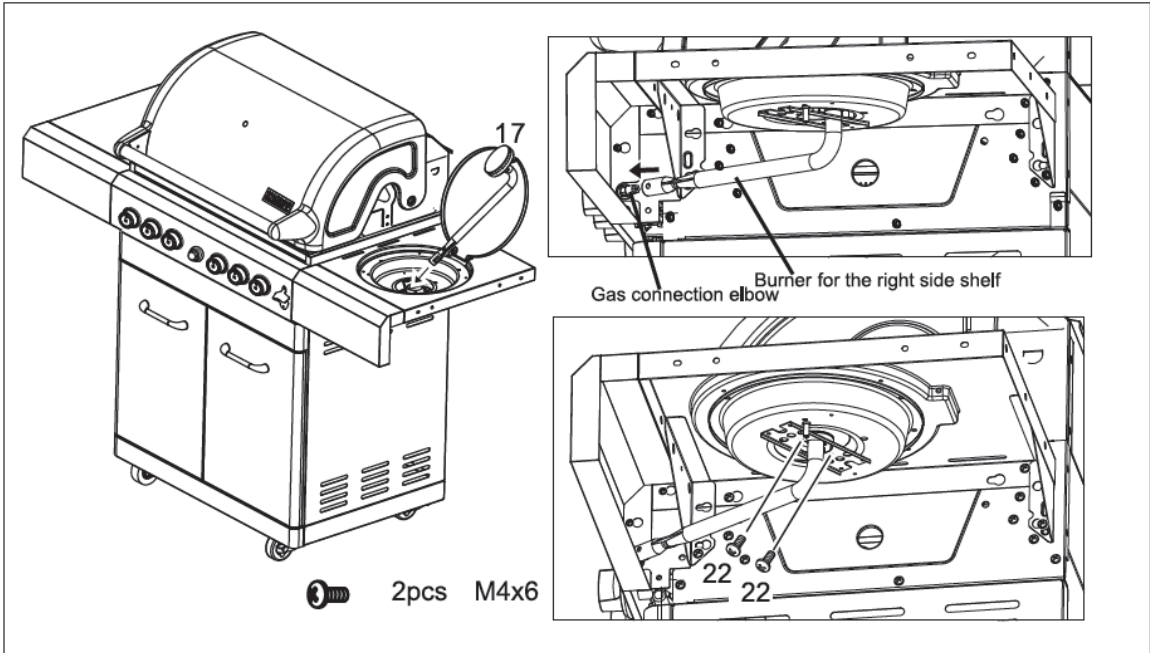
- 20  M6x10 Screw 2PCS
- 23  M5x8 Screw 2PCS

Right side

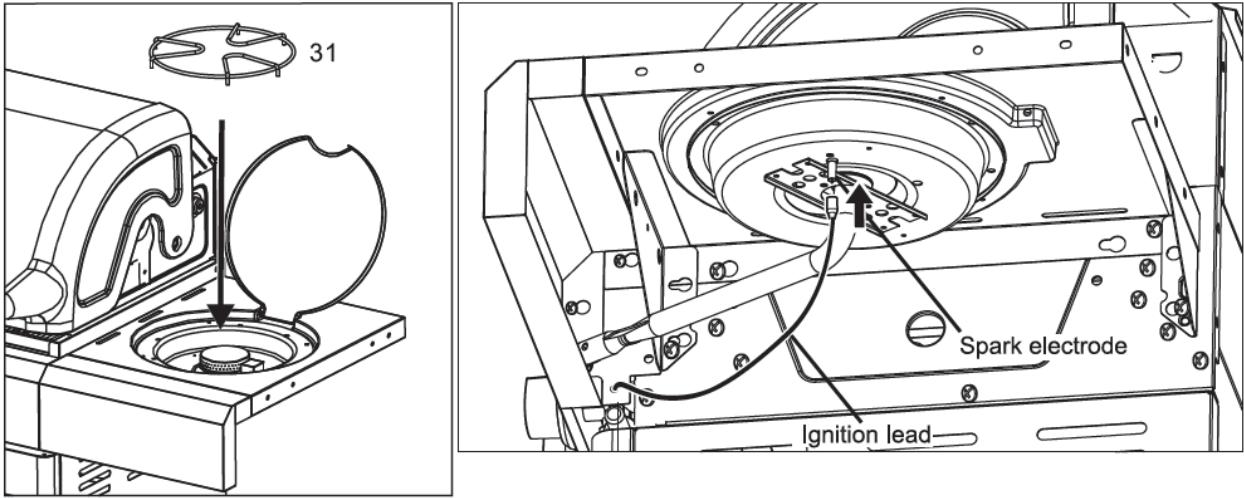


- 20  M6x10 Screw 2PCS
- 23  M5x8 Screw 2PCS

12, Assembly the side burner
Fig. 13



13, Connect the ignition lead
Fig.14



14. Flame Tamers, Cooking Grids and Warming Rack Installation

Place Flame Tamers(14), Cooking Grids(15) and Warming Rack(16) to the fire box as shown in Fig.16, Fig.17, Fig.18

Fig.15

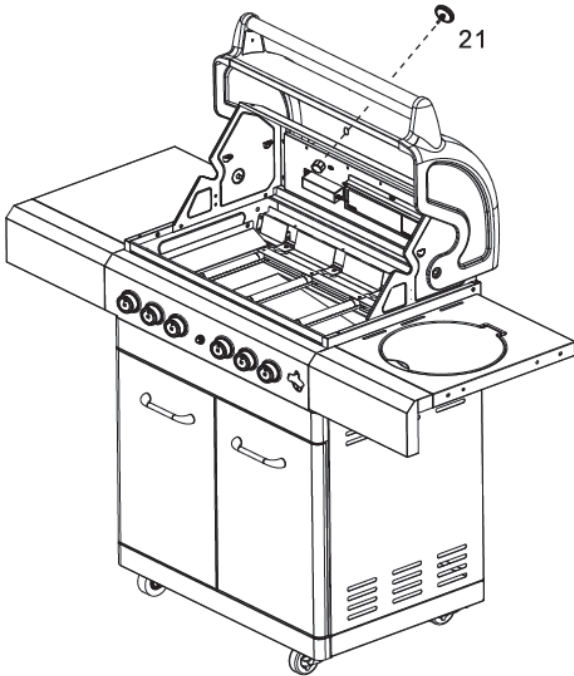


Fig.16

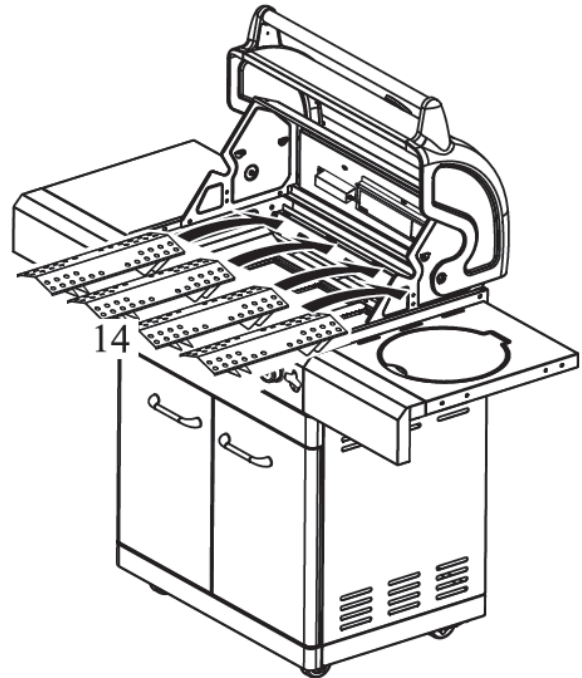


Fig.17

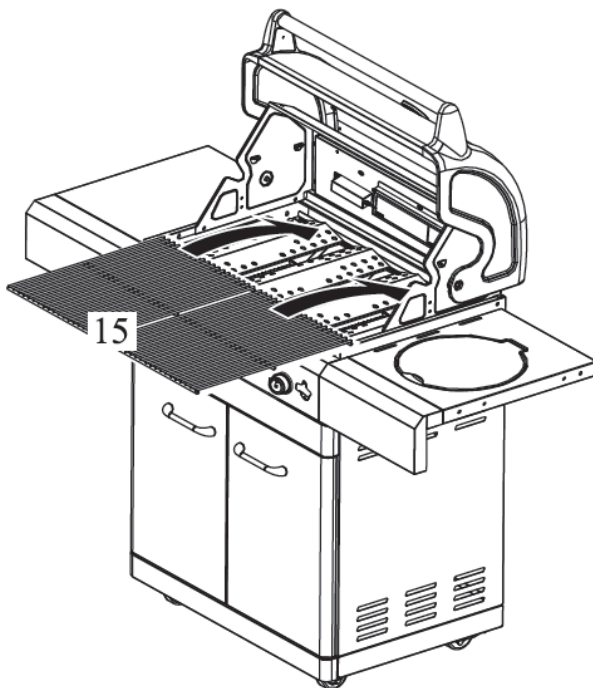
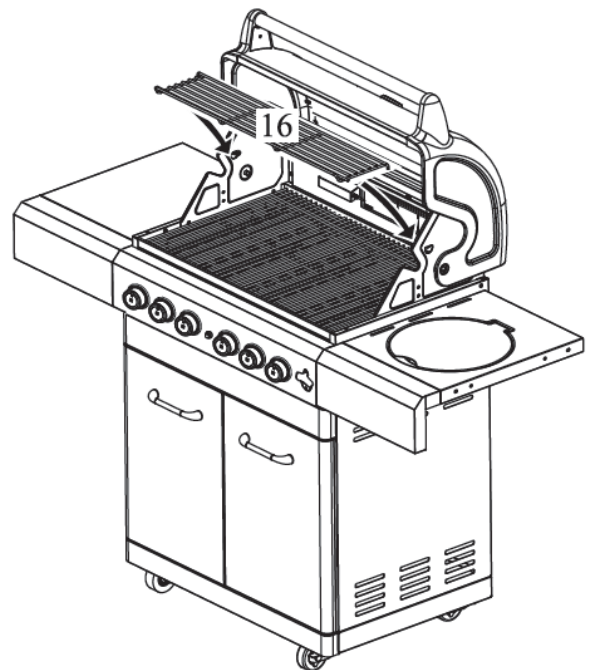


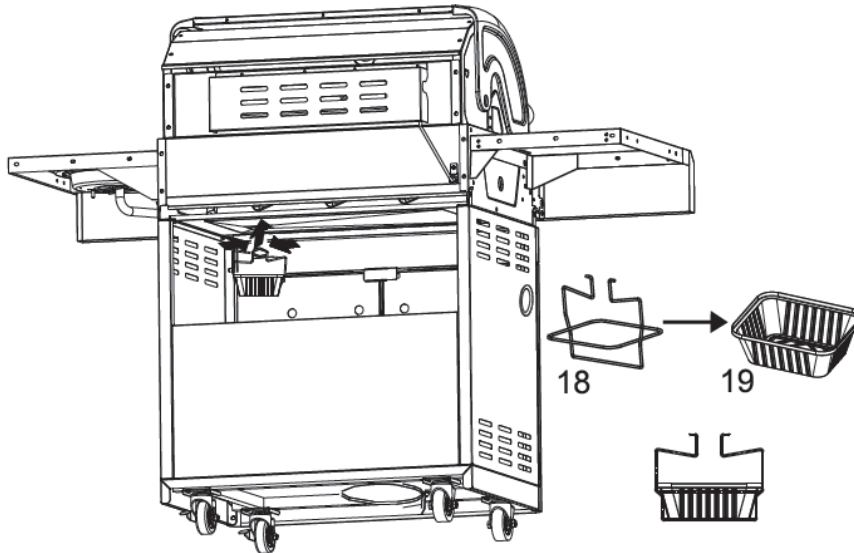
Fig.18



15.Oil box Installation

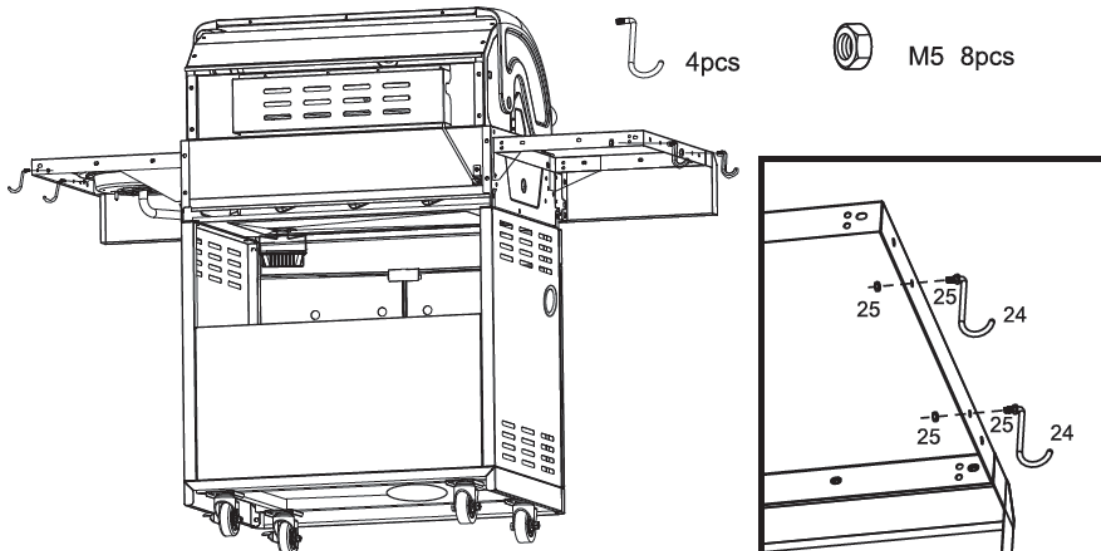
Assembly the grease bowl (18 and 19), This cup is removable and renewable. If it is damaged after several uses, a replacement can be purchased from most supermarkets. (Dimensions - 147×122×50mm).

Fig.19



16,Assembly the hooks (24) with M5 nut (25)

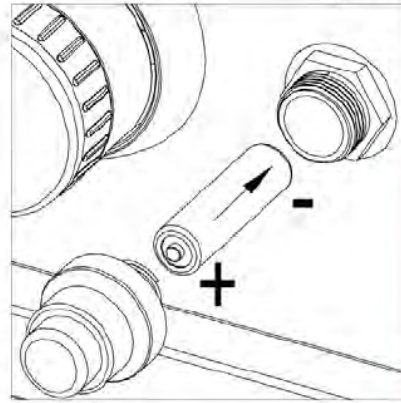
Fig.20



17. Battery Installation

Unscrew the ignition button housing, insert the battery (GG) into the housing with the positive terminal (+) facing outward. Replace the ignition button housing after the battery has been installed as shown in Fig.21 .

Fig.21

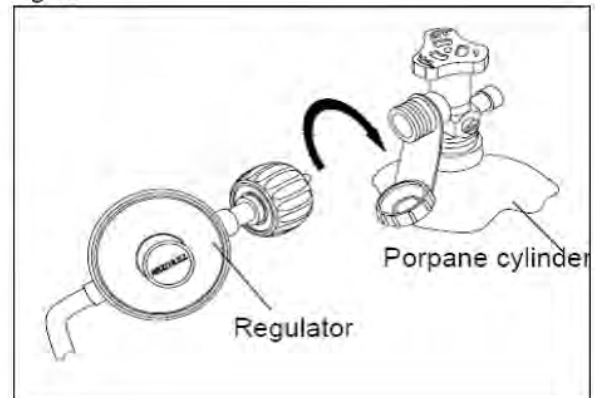


18. Liquid Propane Hook-Up

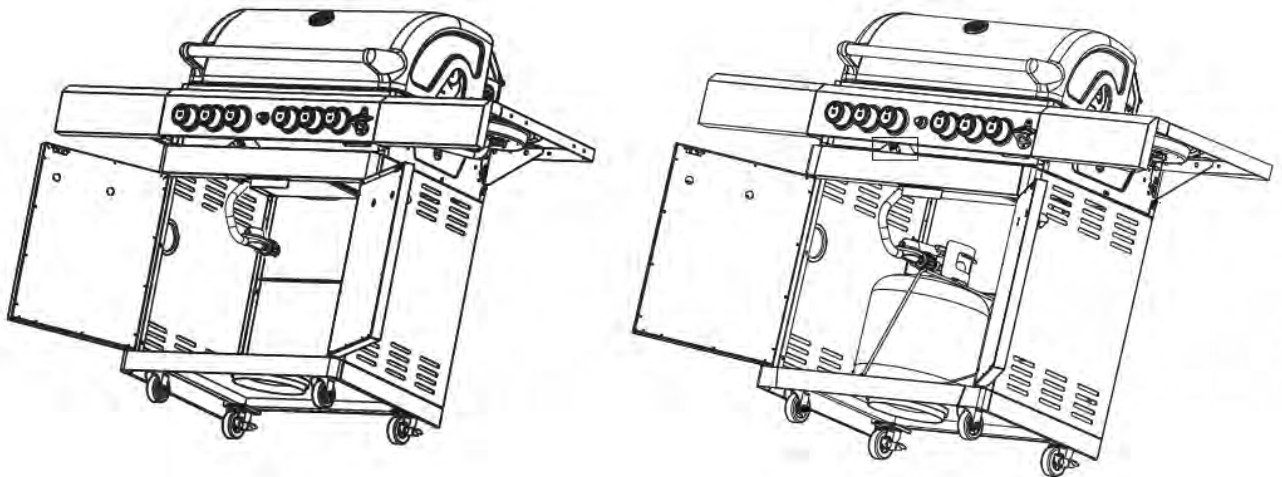
Attach the regulator to the propane cylinder by Turning the regulator handle clockwise as shown in Fig.22. If the outdoor cooking appliance is not in use, the gas must be turned "OFF" at the Liquid Propane cylinder.

Check all gas supply fittings for leaks before each use. Do not use the grill until all connections have been checked and do not leak (see "Leak Testing" instructions on page 17).

Fig.22



19. Fig.23





INSTALLATION INSTRUCTIONS

GAS HOOK-UP

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

This grill is configured for Liquid Propane. Do not use a Natural Gas supply.

Total gas consumption (per hour) with all burners set on "HI":

Main burners 44,000 BTU/Hr.

Rear burner 12,000 BTU/Hr.

Side burner 12,000 BTU/Hr.

Total 68,000 BTU/Hr.

The installation of this appliance must conform with local codes or, in the absence of local codes, with either the National Fuel Gas Code, ANSI Z223.1/NFPA 54, National Gas Propane Installation Code, CSA B149.2.

Installation in Canada must be in accordance with the Standard CAN/CGA-B149.2 (installation code for gas burning appliances and equipment) and local codes.

LIQUID PROPANE CYLINDER REQUIREMENTS (20-lb Cylinder)

A dented or rusty Liquid Propane cylinder may be hazardous and should be checked by your supplier.

Never use a cylinder with a damaged valve. The Liquid Propane cylinder must be constructed and marked in accordance with the specifications for Liquid Propane cylinders by the United States Department of Transportation (DOT) or the National Standard of Canada, CAN/CSA-B339, Cylinders, Spheres and Tubes for Transportation of Dangerous Goods Commission.

The 20-lb cylinder must have a shut off valve terminating in a valve outlet specified, as applicable, for connection type QCC1 in the standard for compressed gas cylinder valve outlet and inlet connection ANSI/CGA-V-1.

Storage of an outdoor cooking gas appliance indoor is permissible only if the cylinder is disconnected and removed from the outdoor cooking gas appliance. The cylinder system must be arranged for vapor withdrawal.

The cylinder must include a collar to protect the cylinder valve.

Manifold pressure: (operating) 10 inches water column (W.C.), (non-operating) 11.2 inches water column (W.C.).

The Liquid Propane cylinder must be fitted with an Overfill Protection Device (OPD).

Remove the plastic valve cover from the Liquid Propane cylinder. Make sure the grill gas hoses do not contact the grease pan or grill firebox when the Liquid Propane cylinder is placed into the cart.

CONNECTING THE LIQUID PROPANE CYLINDER

To connect the Liquid Propane gas supply cylinder:

1. The cylinder valve should be in the "OFF" position. If not, turn the valve clockwise until it stops.
2. Make sure the cylinder valve has the proper type-1 external male thread connections per standard.
3. Make sure the burner valves are in the "OFF" position.
4. Inspect the valve connections, port and regulator assembly. Remove debris and inspect the hose for damage.
5. When connecting the regulator assembly to the valve, use your hand to tighten the nut clockwise until it stops. Use of a wrench could damage the quick coupling nut and result in a hazardous situation.
6. Open the cylinder valve fully by turning the valve counterclockwise.
7. Before lighting the grill, use a soap and water solution to check all the connections for leaks.
8. If a leak is found, turn the cylinder valve "OFF" and do not use the grill until a local Liquid Propane dealer can make repairs.



WARNING

Never attempt to use damaged or obstructed equipment. See your local Liquid Propane dealer for repair.

DISCONNECTING THE LIQUID PROPANE CYLINDER

1. Turn the grill burner valves "OFF" and make sure the grill is cool.
2. Turn the Liquid Propane cylinder valve "OFF" by turning clockwise until it stops.
3. Detach the regulator assembly from the cylinder valve by turning the quick coupling nut counterclockwise.
4. 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.

LEAK TESTING

GENERAL

Although gas connections on the grill are leak tested prior to shipment, a complete leak test must be performed at the installation site. Before each use, check all gas connections for leaks using the procedures listed below. If the smell of gas is detected at any time, you should immediately check the entire system for leaks.

BEFORE TESTING

Make sure all packing materials have been removed from the grill, including the burner tie-down straps.



WARNING

Check all gas supply fittings for leaks before each use. Do not use the grill until all connections have been checked and do not leak. Do not smoke while leak testing. Never leak test with an open flame.

Make a 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 Liquid Propane cylinder is full.

TO TEST

1. Turn the burner valves off.
2. Turn the Liquid Propane cylinder valve counterclockwise to open the valve.
3. Apply the soap solution to all gas fittings. Soap bubbles will appear where a leak is present.
4. If a leak is present, immediately turn the gas supply "OFF" and tighten leaky fittings.
5. Turn the gas back "ON" and recheck.
6. Should the gas continue to leak from any of the fittings, turn the gas supply "OFF" and contact customer service.
7. If there is evidence of excessive abrasion or wear, or the hose is cut, it must be replaced prior to the outdoor cooking gas appliance being put into operation.

Only those parts recommended by the manufacturer should be used on the grill. Substitutions will void the warranty.

INSTALLER FINAL CHECK

- Maintain specified clearance of 24 inches from combustible materials and construction.
- All internal packaging has been removed.
- The hose and regulator are properly connected to the Liquid Propane cylinder.
- The unit has been tested and is free of leaks.
- The gas supply shutoff valve has been located.
- All burners are installed.
- Keep the instruction manual for future reference.

**WARNING**

1. Storage of an outdoor cooking gas appliance indoors is permissible only if the cylinder is disconnected and removed from the outdoor cooking gas appliance.
2. Cylinder must be stored outdoors out of the reach of children and must not be stored in a building, garage or any other enclosed area.

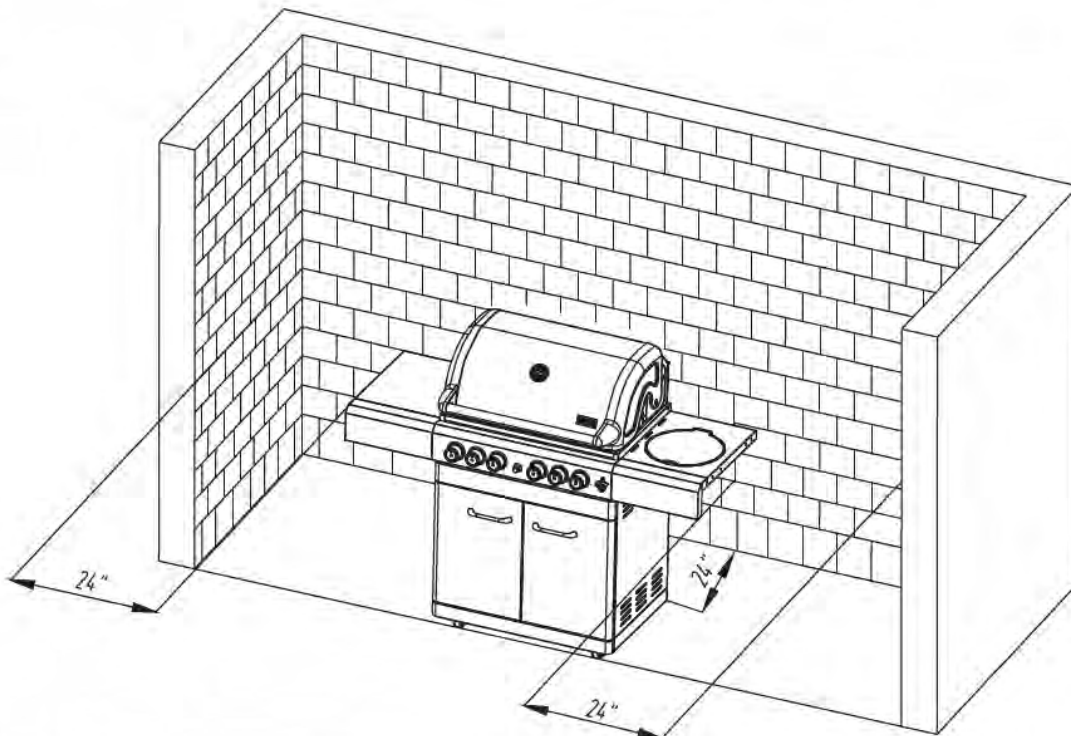
**WARNING**

1. Do not store spare Liquid Propane cylinders under or near this appliance.
2. Never fill the cylinder beyond 80 percent capacity.
3. If the information above is not followed exactly, a fire, possibly causing serious injury or death, may occur.

**WARNING**

1. The grill and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressure in excess of 1/2-in. PSI (3.5kpa).

It is very important to keep your appliance's clear and away from any combustible materials. Maintain at least 24 inches of clearances from sides and back and do not use under overhead combustible construction.





OPERATING INSTRUCTIONS

General Use of the Grill

Each main burner is rated at 11,000 BTU/Hr. The main grill burners encompass the entire cooking area and are side ported to minimize blockage from falling grease and debris. Above the burners are flame tamers. The igniter knobs are located on the center portion of the valve panel. Each rotary igniter is labeled on the control panel.

Using the Grill

Grilling requires high heat for searing and proper browning. Most foods are cooked at a "HI" heat setting for their entire cooking time. However, when grilling large pieces of meat or poultry, it may be necessary to turn the heat to a lower setting after the initial browning. This method cooks the food thoroughly without burning the outside.

Food cooked for a long time or basted with a sugar-based marinade may need a lower heat setting near the end of its cooking time.

To begin:

1. Make sure the grill has been leak tested and is properly placed.
2. Remove any remaining packing materials.
3. Light the grill burners using the Lighting Instructions below.
4. Turn the control knob(s) to the "IGNITE / HI" setting, and preheat the grill for 15 minutes. The grill lid should be closed during the pre-heat period.
5. Place the food on the grill and cook to the desired degree of preparation. If necessary, adjust the heat setting. The control knob may be positioned at any setting between "HI" and "LO".

Using the Rear Burner

Your grill is capable of performing back burner rotisserie cooking. Light the rear burner as described in the Lighting Instructions on page 20. Once lit, the rear burner will reach cooking temperature in about 1 minute. Rotisserie kits are sold as accessory items. Please follow the rotisserie kit directions for proper use. The rotisserie motor must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70.

Lighting Instructions

Before Lighting

Inspect the gas supply hose prior to turning on the gas. If there is evidence of cuts, wear, or abrasion, it must be replaced prior to use.

Screw the regulator (type QCC1) onto the cylinder, and leak check the hose and regulator connections before operating the grill (See the "Leak Testing" instructions on page 17).

Only the pressure regulator and hose assembly supplied with the unit should be used. Never substitute regulators. If a replacement is necessary, contact customer service for proper replacement.



WARNING

Do not use the grill if the odor of gas is present.

IMPORTANT: CONTINUE PRESSING THE ELECTRONIC IGNITER TO LIGHT ANY BURNER.

TO LIGHT THE MAIN BURNERS

1. Make sure all the knobs are in the "OFF" position, and then turn the Liquid Propane cylinder valve "ON" by slowly

turning counterclockwise.

2. Open the lid, push and turn the main burner knob slowly to "HI", burner should be lit immediately.
3. If burner does not light up after step 2, turn the knob off, wait 5 minutes, and repeat lighting procedure above or light by match.

TO LIGHT THE SEARING / REAR BURNER

1. Open the lid, push and turn the Searing or Rear burner knob slowly to "HI", hold in until the burner is lit. Once it is lit, continue to press and hold for another 15 seconds to ensure the burner stay lit.
2. If burner does not light up after step 1, turn the knob off, wait for 5 minutes, and repeat lighting procedure above or light by match.

TO LIGHT THE SIDE BURNER

1. Push and turn Side Burner knob slowly to "HI", the burner should be lit immediately.
2. If burner does not light up after step 1, turn the knob off, wait for 5 minutes, and repeat the lighting procedure above or light by match.



WARNING

When lighting, keep your face and hands as far away from the grill as possible.



CAUTION

Remove the warming rack when using a match to light the rotisserie burner.



CAUTION

When using a match to light the grill make sure touse the attached lighting rod.

TO MATCH LIGHT THE GRILL

If a burner will not light after several attempts using the control knobs, the burners may be lit with a match.

Main Burner

1. If you have already attempted to light the main burner with the igniter, allow 5 minutes for any accumulated gas to dissipate.
2. Insert a match into the lighting rod as shown in Fig. 24. Ignite the match and insert through the cooking grids to the burner.
3. Push and turn Main Burner knob slowly to IGNITE/HI, the burner should light immediately.
4. If the burner does not light within seconds turn the knob to the "OFF" position, wait 5 minutes and try again.

Searing Main Burner and Rear Burner

1. If you have already attempted to light the searing main burner or Side burner with the igniter, allow 5 minutes for any accumulated gas to dissipate.
2. Insert a match into the lighting rod as shown in Fig.24. Ignite the match and insert (through the cooking grids) to the burner.
3. Push and turn the Searing or Rear Burner knob slowly to IGNITE/ON. Hold in until the burner is lit. Once it is lit, continue to press and hold for another 15 seconds to ensure the burner stays lit.
4. If the burner does not light within seconds, turn the knob off, wait 5 minutes and try again.

Side Burner

Note: Remove the warming rack when using a match to light the rear burner.

1. If you have already attempted to light the rear burner with the igniter, allow 5 minutes for any accumulated gas to dissipate.
2. Insert a match into the lighting rod. Ignite the match and hold next to the burner.
3. Push and turn the Side Burner knob slowly to IGNITE/HI. The burner should light immediately.
4. If the burner does not light within seconds turn the knob off, wait 5 minutes and try again.

Gas Conversion From LP to NG**WARNING**

MAKE SURE ALL CONTROL KNOBS & CYLINDER VALVE ARE IN OFF POSITION

This grill is portable and configured for use with Liquid Propane (LP Gas), which is delivered to the grill from removable tanks (LP tanks and their use are covered elsewhere in this manual). If a Natural Gas connection is available, the user may wish to change the gas delivery system to the more permanent Natural Gas supply. This grill is certified for use with either Liquid Propane (LP Gas) or Natural Gas and comes complete with the necessary parts to convert the grill for use with Natural Gas hose and regulator (sold separately).

The conversion valves allows the use of Natural Gas without replacing the burners or entire valve system. The process of converting is relatively simple and can be accomplished by any handy homeowner. We suggest, however, that a qualified gas technician do the conversion. Your warranty may be voided if the conversion is improperly completed. Please retain the parts supplied with the grill and these instructions so the technician can do the conversion.

Orifice Chart

The different burner valves in this grill have different BTU ratings. The holes in the orifices themselves are drilled to different sizes so as to allow the proper amount of gas to flow through them. Please note the chart below to give an easy reference for the various orifice opening sizes for the different valves in the grill.

Orifice Sizes and BTU Ratings				
	LP		NG	
Components	Orifice Size	BTU	Orifice Size	BTU
Main burner	1.03	11000	1.43	11000
Side burner	1.03	12000	1.53	12000
Rear burner	1.03	12000	1.44	12000

Tools required for converting from LP to NG

Phillips Head Screwdriver (+)

6mm nut driver

1. Install the regulator hose (short hose) to the end of the regulator marked "OUT." Install the brass connector to the other end of the regulator marked "IN." (If regulator, hose, and brass connector are preassembled, you may disregard this step.)

**WARNING**

Make sure all grill components are completely cooled and gas supply is turned off and removed from grill prior to performing the conversion.

2. Turn all knobs to OFF. Turn off LP gas supply and remove the LP cylinder from the grill cart. Remove the brass adapter of the LP regulator from the manifold with a wrench.

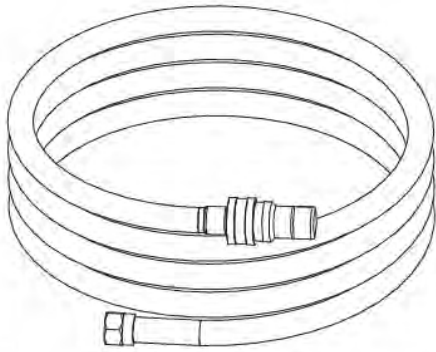
3. Install the NG regulator hose to the manifold and secure using a wrench.

4. Screw the regulator on the right side panel from inside to outside

Tools required:

Phillips Head Screwdriver (+)

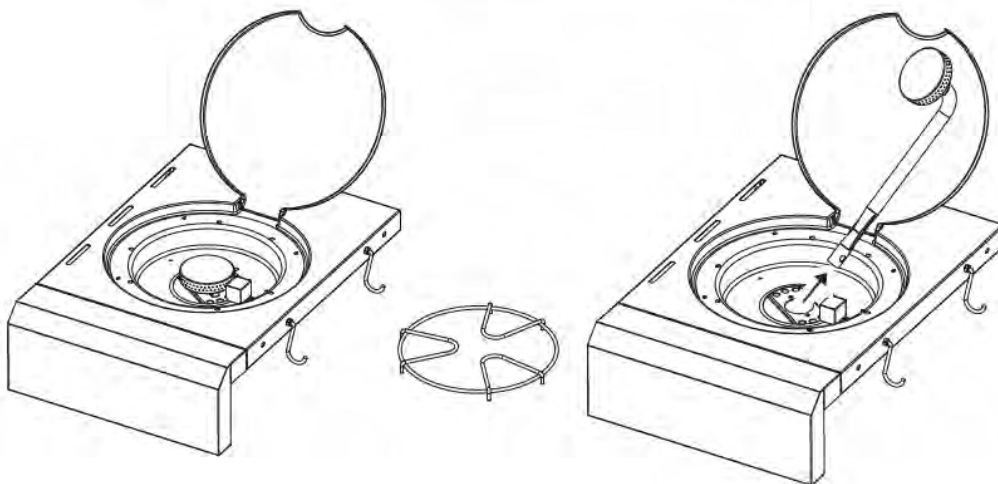
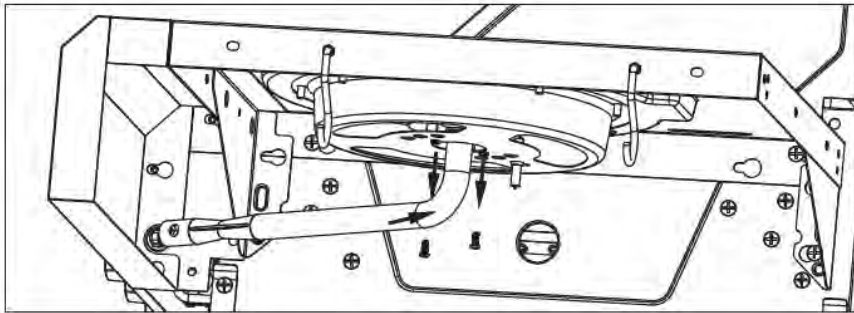
Natural Gas Conversion Kit

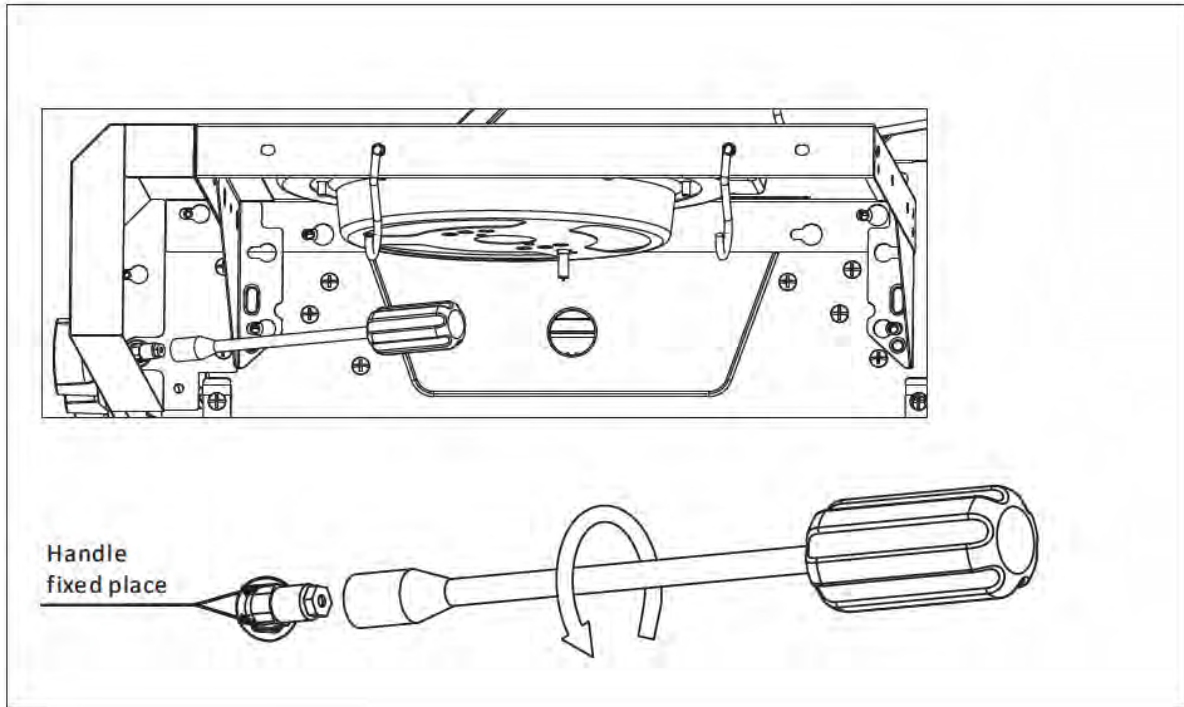


Contact Swiss Grill for how to purchase your natural gas conversion kit.

Swiss Grill
8001 Irvine Centre Drive
4th Floor
Irvine, CA
92618, USA

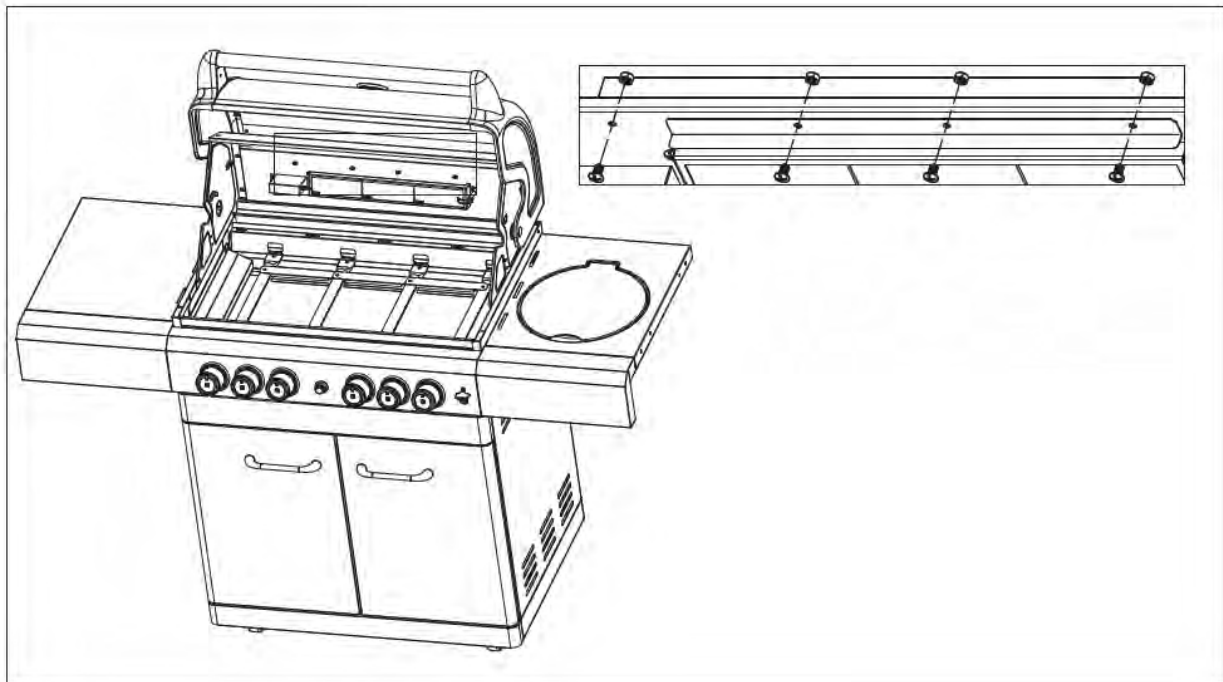
Side Burner Conversion



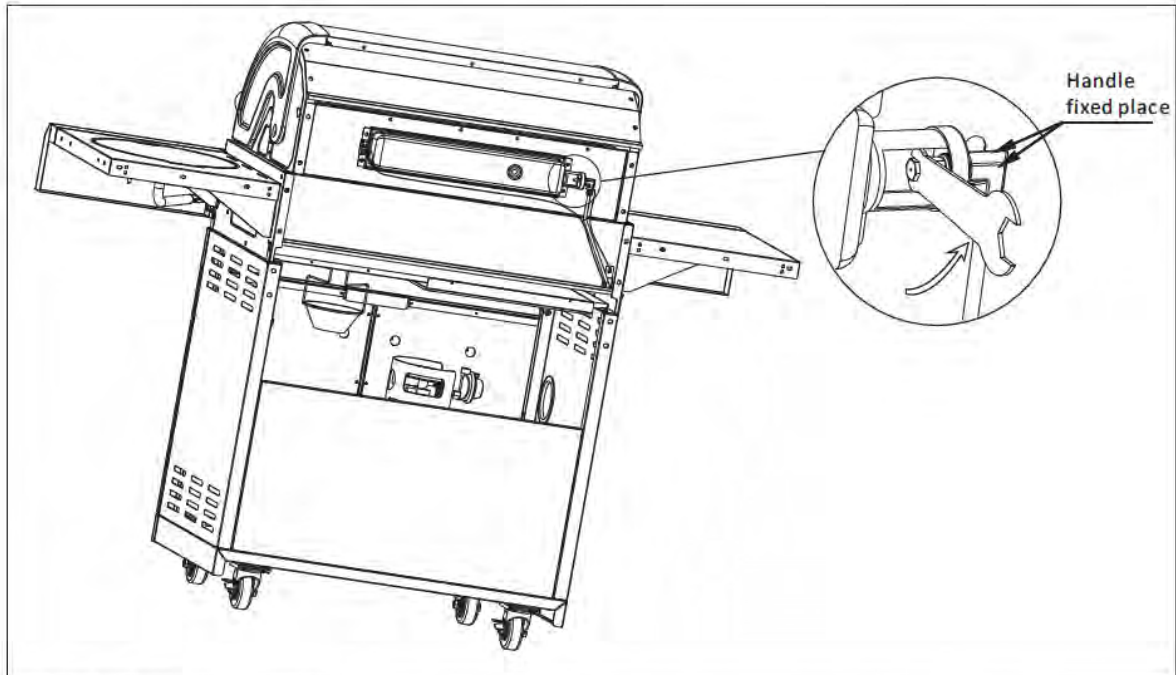


Back Burner Conversion

1. Remove the back burner cover

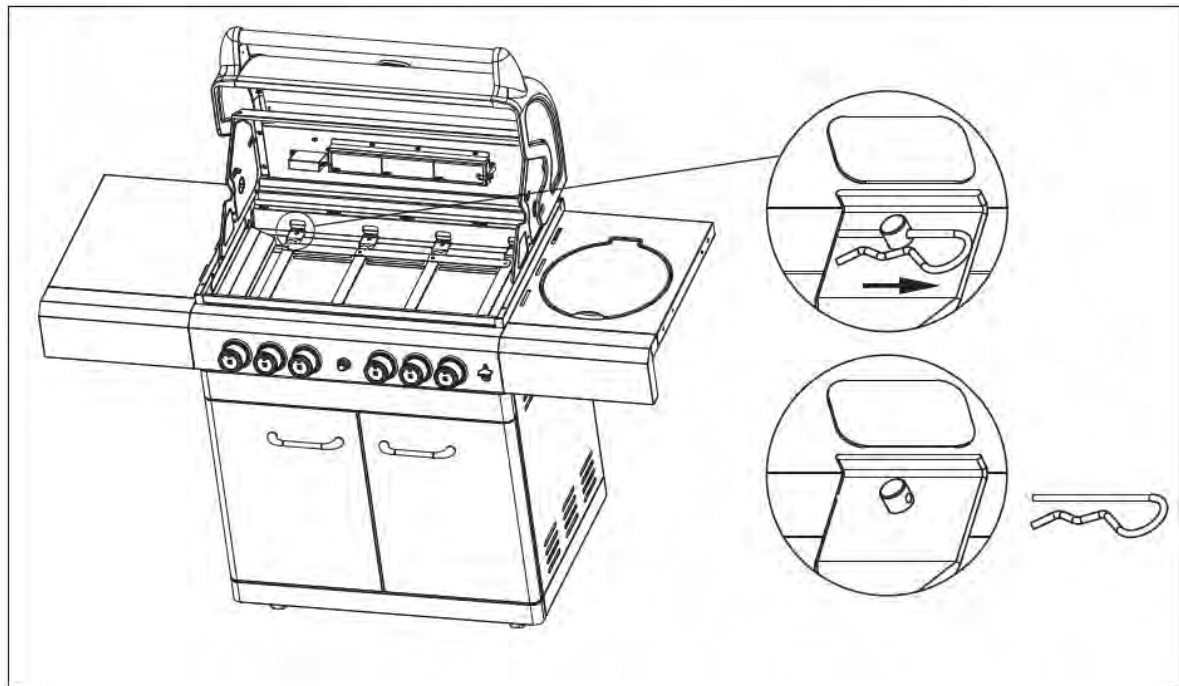


2. Remove the back burner orifice

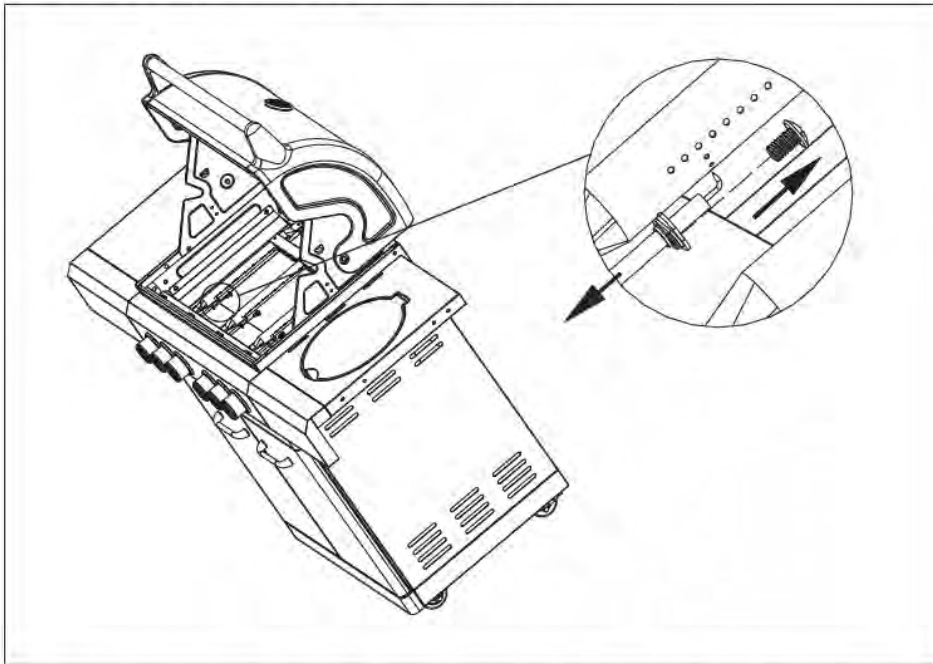


Main Tube Burner Conversion

1. Remove the rotisserie kit, warming rack, cooking grids, and flame tamers from the firebox. Remove the main tube burners by removing the screw securing the burners near the back wall of the firebox and the screws near the front of the firebox that secure the igniter brackets to the burners. Gently lift the tube burners up and out. Remove the screws secure the burner in the back.

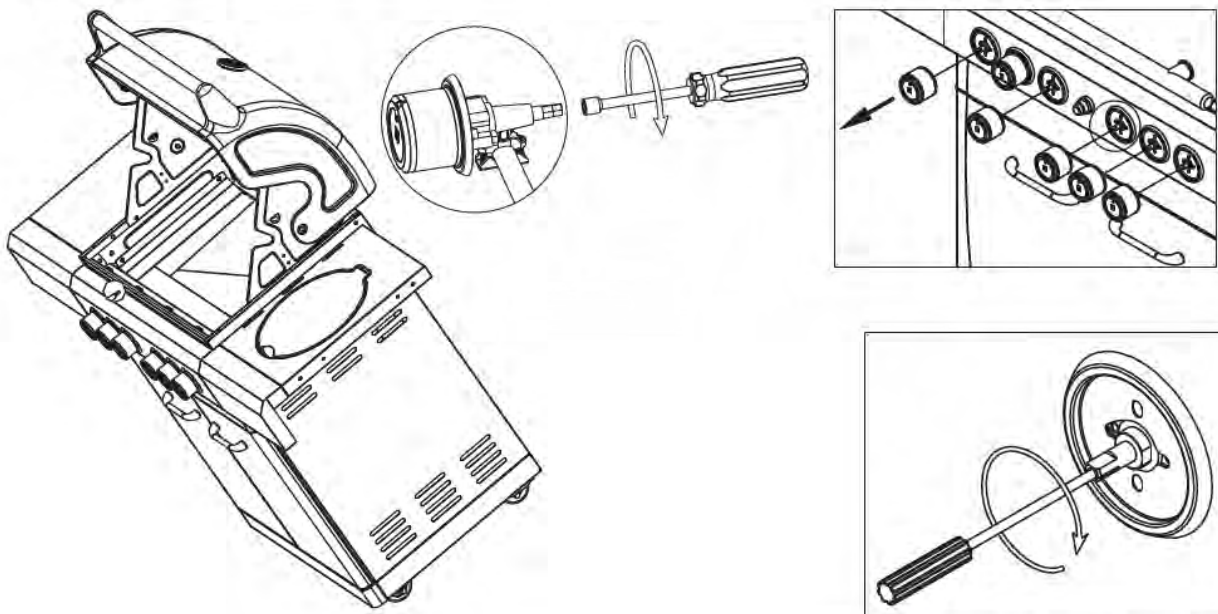


2. Remove the screws secure the igniter in the front



3. Locate and remove the LP orifice at the end of each valve with a 6mm nut driver. The main burner NG orifices are located behind the LP orifices, so no additional orifices need to be installed.

CAUTION: The NG orifice is easily loosed or even removed together with the LP orifice when the LP orifice is being unscrewed. Make sure the NG orifices are securely installed on the main burner valves after the LP orifices are removed



Take off the knobs, put the special screwdriver in, turn the screwdriver clockwise to the end.

4. Reinsert tube burners..

To reinstall the main burners:

1. Insert the burner over the main burner gas valve
2. Make sure the orifice spud is inside the burner venturi as shown below.
3. Align the burner screw hole with the firebox hole, insert screw and tighten.

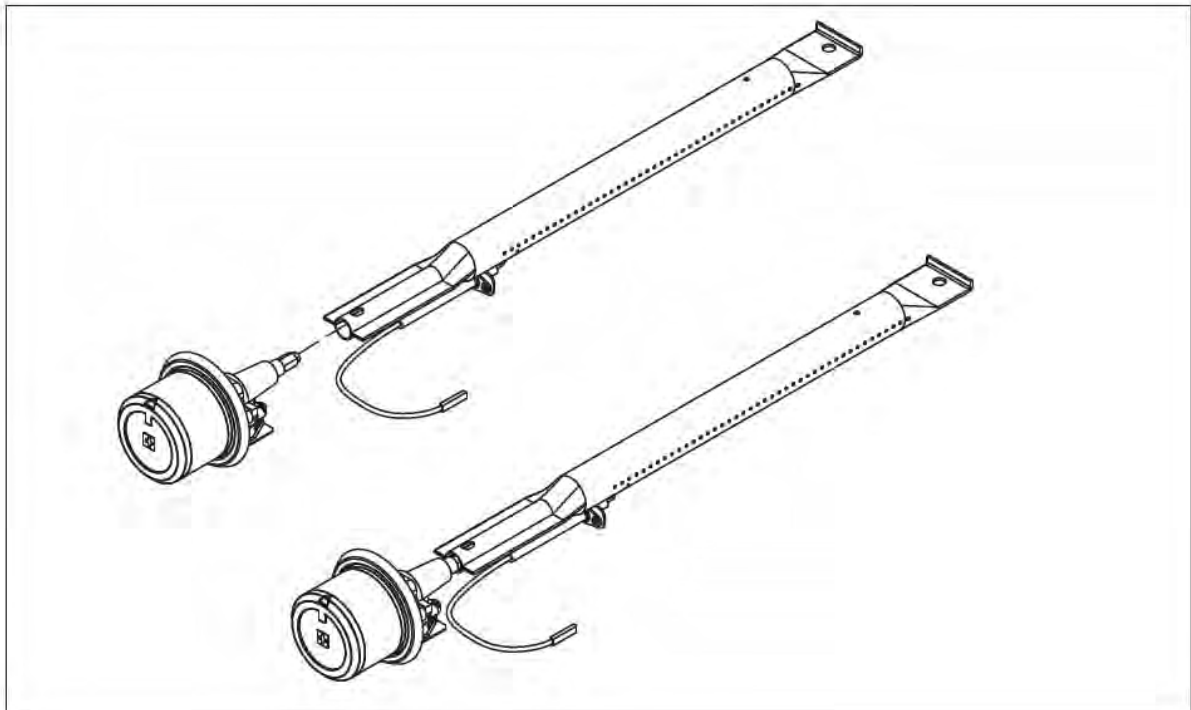


CAUTION: Make sure the valve with orifice is inserted into the burner venturi. Restore the igniter brackets; adjust the distance between the burner and the corresponding igniter for proper ignition.

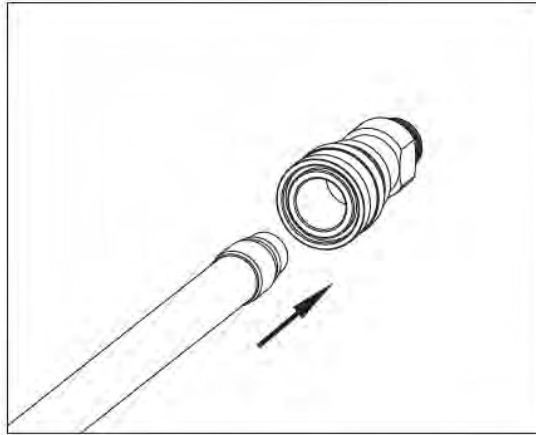
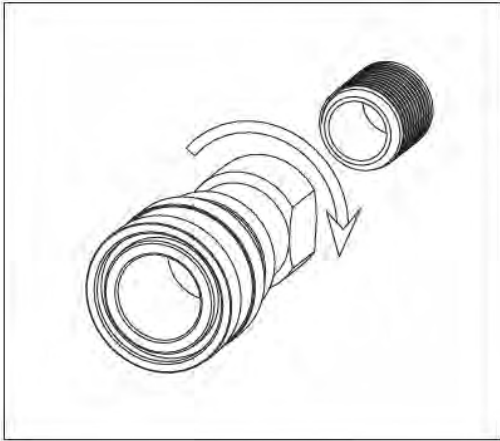


CAUTION

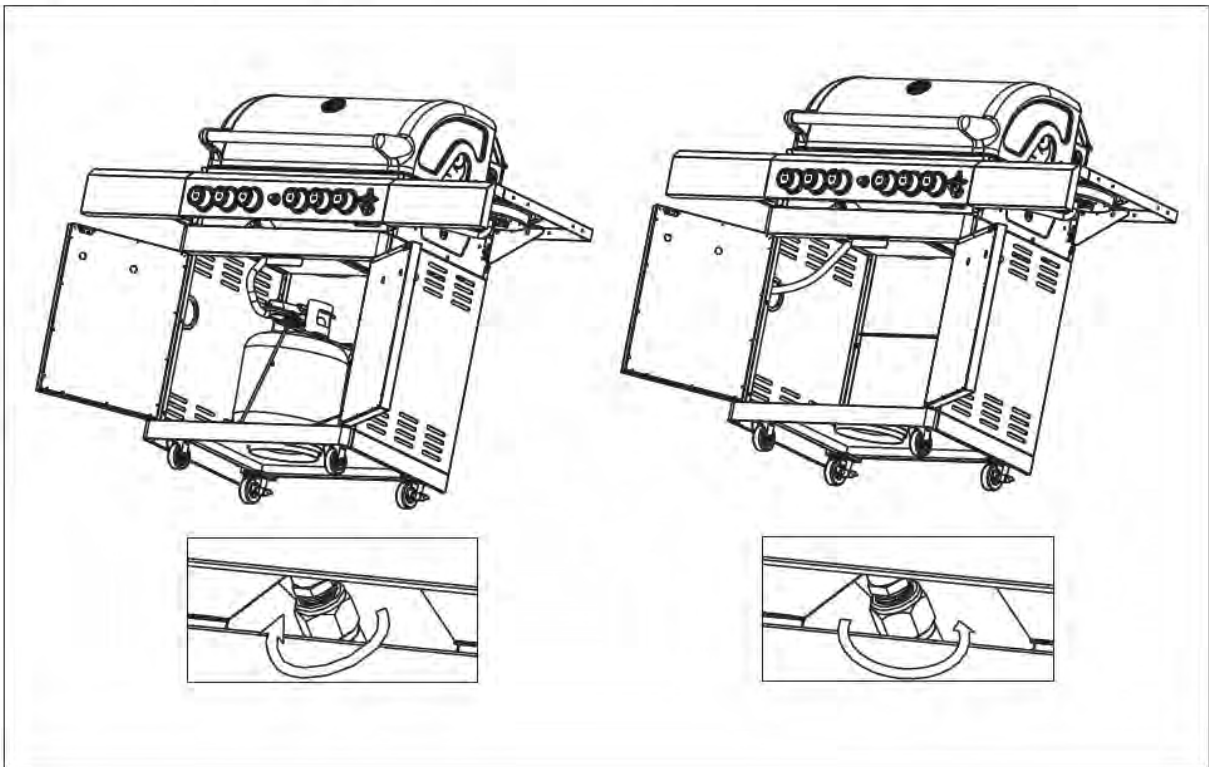
When converting the grill, screw the orifice in and out of the stem gently due to the breakable thread.



5. Connect the QDD to the Natural gas supply, then connect the grey hose to QDD



6. Connect the grey hose to the grill



CARE AND MAINTENANCE

Stainless Steel

There are many stainless steel cleaners available. Always use the mildest cleaning process first, scrubbing in the direction of the grain. Do not use steel wool as it will scratch the surface. To touch up noticeable scratches in the stainless steel, sand very lightly with dry 100 grit sand paper in the direction of the grain.

Grease specks can gather and bake onto the surfaces of the stainless steel, giving the appearance of rust.

For removal, use an abrasive pad with a stainless steel cleaner.

Cooking Grates

The easiest way to clean the grill is immediately after cooking is completed and the flames have been turned off. Wear a barbecue mitt to protect your hand from heat and steam.

Scrub the hot cooking grates by dipping a bristled barbecue brush in tap water. Cleaning will be more difficult if the grill is allowed to cool.

Grease Pan

The grease pan should be emptied, wiped down and washed after each use with a mild detergent and warm water solution. Check the grease pan frequently and do not allow excess grease to accumulate and flow out of the grease pan.

Searing Main Burner

Clean the exterior of the burner with a wire brush. Clear any clogged burner ports with a straightened paper clip. Never enlarge the burner ports. Never use a wooden toothpick as it may break off and clog the port.

Grill Burners

Extreme care should be taken when removing a burner. It must be correctly centered on the orifice before any attempt is made to relight the grill. Frequency of cleaning will depend on how often you use the grill.

Failure to properly place the burner over the orifice could cause a fire to occur behind and beneath the valve panel, thereby damaging the grill and making it unsafe to operate.

Before cleaning, make sure the gas supply and control knobs are in the "OFF" position and the burners have cooled.

To remove the main burners for cleaning:

1. Locate the burner screw at the rear of the firebox.
2. Remove the screw and lift the burner out of the firebox.

To clean the grill burners:

1. Clean the exterior of the burner with a wire brush. Use a metal scraper for stubborn stains or debris.
2. Clear clogged ports with a straightened paper clip. Never use a wooden toothpick as it may break off and clog the port.
3. Check and clean burners / venturi tubes for insects and insect nests. A clogged tube can lead to a fire beneath, and behind the main control panel.



CAUTION

1. Keep outdoor cooking gas appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
2. Do not obstruct the flow of combustible and ventilation air.
3. Keep the ventilation opening(s) of the enclosure free and clear from debris.

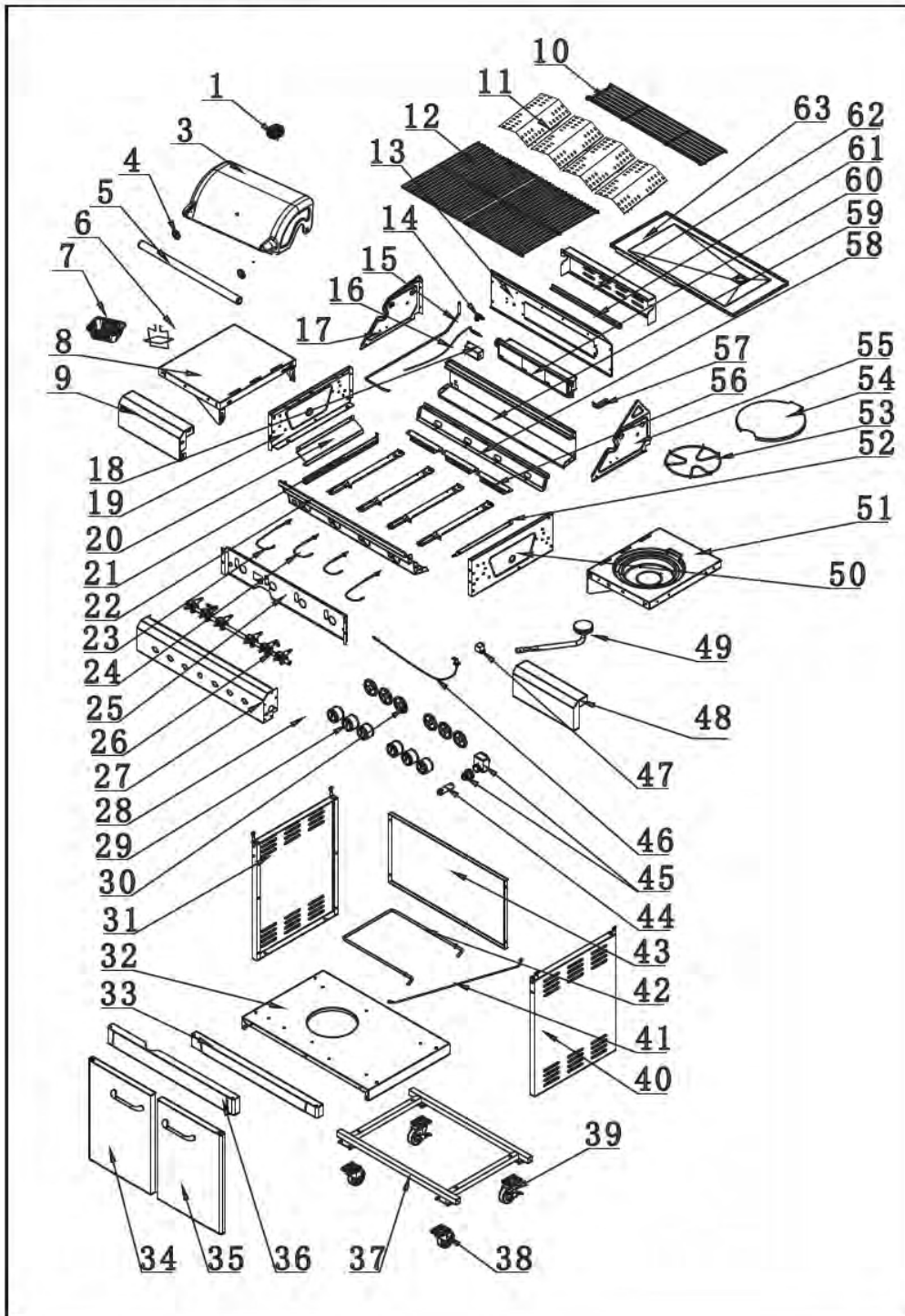
Flame Characteristics

Check for proper burner flame characteristics. Burner flames should be blue and stable with no yellow tips,

excessive noise, or lifting. The following steps should be followed for correcting the flame characteristics:

1. Turn the control knobs and Liquid Propane cylinder valves "OFF."
2. Allow the grill and burners to cool.
3. If the flame is yellow (not enough air), turn the adjustment screw found at the front of the burner counterclockwise.
4. If the flame is noisy or lifts away from the burner (too much air), turn the adjustment screw clockwise.

REPLACEMENT PARTS LIST



Part No	Part Name	Part No	Part Name
1	Temperature gauge		
3	Hood assembly	4	Handle seat
5	Handle assembly	6	Fat box holder
7	Fat box	8	Left side shelf table
9	Left side shelf front panel	10	Warming rack
11	Flame tamerx4	12	Cooking gridx2
13	Fire box- rear wind plate	14	Back burner orifice
15	Rear burner gas tube	16	Rear burner igniter assembly
17	Fire box- left wind plate	18	Rear burner igniter cover
19	Fire box- left panel	20	Rear burner gas tube cover
21	Back burner gas tube cover 2	22	Fire box- front panel
23	Ignition wire 1	24	Ignition wire 2
25	Heat isolation plate	26	Valves assembly
27	Front control panel	28	Pothook
29	Knobsx6	30	Knob seatsx6
31	Left trolley panel	32	Bottom trolley panel
33	Bottom trolley brace	34	Left door
35	Right door	36	Door stop
37	Bottom trolley panel shelf	38	Castors without brake
39	Castors with brake	40	Right trolley panel
41	Propane Tank Barrier	42	Gas cylinder holder
43	Back trolley panel	44	Battery(not provided)
45	Battery box assembly	46	Side burner igniter assembly
47	Side burner igniter cover	48	Right side shelf front panel
49	Side burner	50	Fire box-right panel
51	Right side shelf table	52	Oil drip panel
53	Side burner grid	54	Side burner lid
55	Fire box-right wind plate	56	Burner bridgex3
57	Back burner ignition wire	58	Burner support
59	Fire box- back panel	60	Rear burner
61	Rear burner cover bracket	62	Rear burner cover
63	Fat tray		