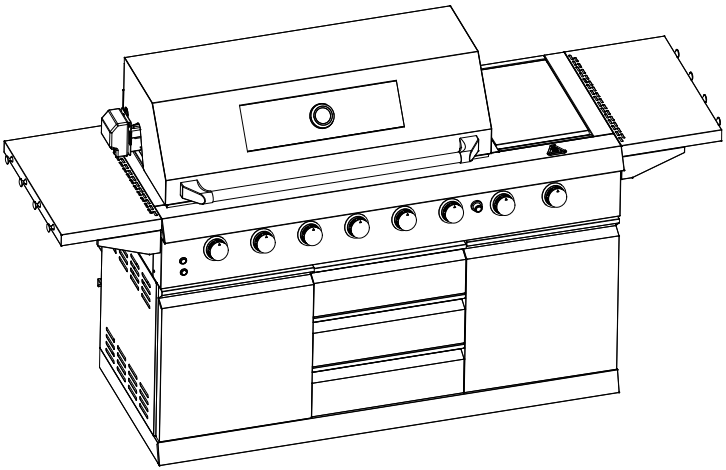
GAS GRILL

COS-GGFN587GSS COS-GGFN587GBK



FREESTANDING GAS GRILL

INSTALLATION MANUAL

IMPORTANT: READ AND SAVE THESE INSTRUCTIONS.
FOR RESIDENTIAL USE ONLY.

INSTALLER: PLEASE LEAVE THIS GUIDE WITH THE HOMEOWNER.

HOMEOWNER: PLEASE KEEP THIS GUIDE FOR FUTURE REFERENCE.

Rev.26.11

THANK YOU FOR YOUR PURCHASE

Thank you for your purchase. We know that you have many brands and products to choose from and we are honored to know that you have decided to take one of our products into your home and hope that you enjoy it.

COSMO Appliances are designed according to the strictest safety and performance standard for the North American market. We follow the most advanced manufacturing philosophy. Each appliance leaves the factory after thorough quality inspection and testing. Our distributors and our service partners are ready to answer any questions you may have regarding how to install, use and care for your products. We hope that this manual will help you learn to use the product in the safest and most effective manner.

Before using this product, please read through this manual carefully. Keep this user manual in a safe place for future reference. Please ensure that other persons using this product are familiar with these instructions as well.

If you have any questions or concerns, please contact the dealer from whom you purchased the product, or contact our Customer Support at:

1-888-784-3108

Reach us online at:

www.cosmoappliances.com

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GRILL SAFETY

Read All Instructions Before Using the Appliance

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "WARNING" or "CAUTION." These words mean:

⚠ WARNING — You can be killed or seriously injured if you don't follow instructions.

⚠ CAUTION — A potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

In the State of Massachusetts, the following installation instructions apply:

- Installations and repairs must be performed by a qualified or licensed contractor, plumber, or gasfitter qualified or licensed by the State of Massachusetts.
- If using a ball valve, it shall be a T-handle type.
- A flexible gas connector, when used, must not exceed 3 feet (91.5 cm).

California Proposition 65 Warning

⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

⚠ WARNING

Fire and Explosion Hazard

If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

- Installation and service must be performed by a qualified installer, service agency or the gas supplier.
- WHAT TO DO IF YOU SMELL GAS
  - Do not try to light any appliance.
  - Do not touch any electrical switch.
  - Do not use any phone in your building.
  - Clear the room, building, or area of all occupants.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

⚠ WARNING

Never Operate the Top Surface Cooking Section of this Appliance Unattended.

- Failure to follow this warning statement could result in fire, explosion, or burn hazard that could cause property damage, personal injury, or death.
- If a fire should occur, keep away from the appliance and immediately call your fire department.

DO NOT ATTEMPT TO EXTINGUISH AN OIL/GREASE FIRE WITH WATER.

⚠ WARNING

- Gas leaks cannot always be detected by smell. Gas suppliers recommend that you use a gas detector approved by UL or CSA. For more information, contact your gas supplier.
- Do not install a ventilation system that blows air downward toward this cooking appliance. This type of ventilation system may cause ignition and combustion problems with this cooking appliance resulting in personal injury or unintended operation.
- This appliance is intended for normal residential use.
- This outdoor grill uses a grounded 120 V AC, 60 Hz, three-prong connection for its AC-powered features. Provide a GFCI-protected outdoor receptacle and a branch circuit meeting the approved electrical rating and applicable codes. When installed, appliance must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, NFPA 70 or the Canadian Electric Code, CSA C22.1-02.
- Proper installation is the responsibility of the installer. Any adjustment and service should be performed only by qualified grill installers or service technicians. The manufacturer is not responsible for any injury or damage that may result from incorrect or defective installation by unauthorized personnel.
- Product failure due to improper installation is not covered under warranty.

CART STABILITY & MOVEMENT

⚠ WARNING

Burn Hazard

- A Place the grill on a level, stable surface before lighting.
- Lock both braked casters before use; do not operate with wheels unlocked.
- Do not move the grill while operating or hot. Allow to cool completely before repositioning.
- Move the grill by the cart frame/handle, not by the side shelves or hood/lid.
- Keep children and pets away from the grill at all times.
- Secure the LP cylinder upright in the cylinder seat with the fixing rod/slide-rail engaged; never operate with the cylinder loose or out of position.

Before Each Use — Quick Check:

- Grill is level and casters are locked.
- LP cylinder is properly seated and retained (seat/fixing rod/slide rails engaged).
- Gas hose and any electrical cord are not under the wheels and clear of hot surfaces.

If You Need to Move the Grill:

- Turn all burner knobs OFF and close the LP cylinder valve.
- Let the grill cool completely.
- Unlock casters and roll the cart carefully using the frame/handle.
- Reposition on a level surface and re-lock the braked casters before lighting.

INSTALLATION REQUIREMENTS

TOOLS AND PARTS

Gather the required tools and parts before starting installation. Read and follow the instructions provided with any tools listed here.

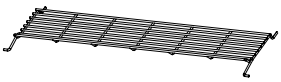
TOOLS NEEDED

- Tape measure
- Phillips screwdriver
- Adjustable wrench or pliers
- Marker or pencil
- Drill and drill bit (for anti-tip bracket installation)
- Pipe-joint compound resistant to LP gas
- Noncorrosive leak-detection solution
- Level
- Gloves and safety glasses

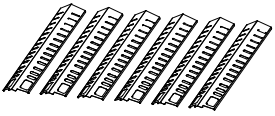
For Propane/Natural Gas Conversions

- Combination wrench
- Nut driver

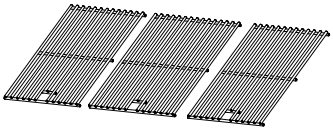
PARTS SUPPLIED



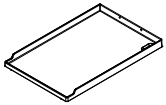
Warming rack (1)



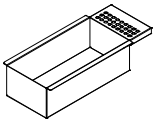
Flame tamer (Heat plate) (6)



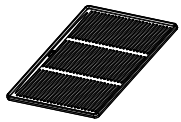
Main cooking grate (3)



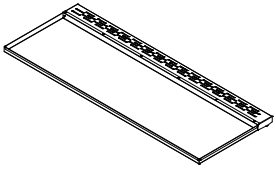
Side griddle grate (1)



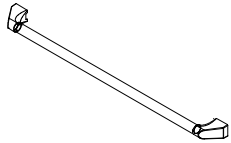
Side griddle oil cup (1)



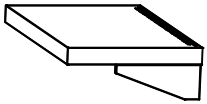
Griddle Accessory (1) (Sold Separately)



Main drip tray (pan) (1)



Grill hood handle (1) (Pre-Installed)



Foldable side shelf (2)



Side shelf hook (8)



Left side shelf bracket (2)



Right side shelf bracket (2)



Rotisserie spit rod (1)



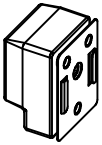
Rotisserie fork (2)



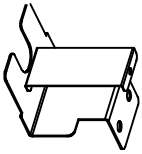
Rotisserie shaft collar ring (1)



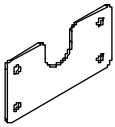
Rotisserie handle (1)



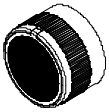
Rotisserie motor (1)



Rotisserie motor bracket (1)



Rotisserie spit rod handle support bracket (1)



Backlit control knob (8)



M4 Screw (8), spare (2)



5/32" Screw (3), spare (1)



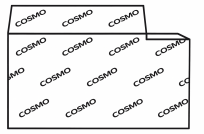
1/4" Screw (14), spare (2)



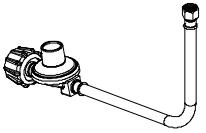
1/4" Step screw (8), spare (2)



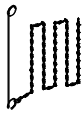
Power cord holder bracket (1)



Grill cover (1)



LP Regulator with attached hose (1) (pre-installed)



Match stick holder chain (1) (pre-installed)

OPTIONAL PARTS

- NG conversion kit

	Scan to find available NG Kits and replacement bulbs

Note:

- To purchase optional parts, replacement parts, or any other accessories, please visit www.cosmoappliances.com or reference the contact information at the end of this manual.

LOCATION REQUIREMENTS

IMPORTANT: Observe all governing codes and ordinances. Use outdoors only in a well-ventilated area. Do not obstruct combustion or ventilation air—keep the grill's air inlets and hood exhaust vents clear at all times.

- It is the installer's responsibility to comply with the clearances to combustibles shown on the model/serial/rating plate and in this manual. (The rating plate is on the cart frame inside the cabinet or on the rear panel of the grill.)
- Locate the grill on a level, stable, non-combustible surface. Lock the casters before lighting or operating.
- Provide the minimum side/back and overhead clearances specified for this model. Do not install or operate beneath unprotected combustible overhangs, under low eaves, or inside any enclosed/partially enclosed area (garage, shed, gazebo, screened porch, etc.).
- If used under an outdoor-rated, ducted ventilating hood (optional), install the hood per its manufacturer's instructions; do not use a downward-blowing "air curtain" or recirculating system above the grill.
- Place the grill for convenient access and safe traffic flow. Keep it away from strong, continuous drafts and from locations where children can gather or play.
- Keep combustibles (deck railings, furniture, umbrellas, dry leaves, gasoline/solvents, aerosol cans) well outside the required clearances.
- Do not block the drip tray, oil cup, drain, or air openings in the cart.
- Do not seal the grill to walls, counters, or cabinets; maintain the clearances and allow air to circulate around the cookbox and cart.
- A grounded electrical supply is required only if your model uses AC-powered features (e.g., lights). Connect to a 3-prong, 120 VAC, 60 Hz, GFCI-protected receptacle.
- A proper gas supply must be available: a 20-lb (9 kg) LP cylinder secured upright in the cylinder cradle (outdoors only), or a plumbed natural-gas connection with an accessible manual shutoff valve, sized and installed per local code.
- Do not use or store an LP cylinder inside a building, garage, or other enclosed space. Never store a spare cylinder under or near the grill.
- For decks and finishes: verify with your builder or material supplier that nearby surfaces can tolerate heat, grease, and smoke. Use a non-combustible grill mat if needed, and always maintain required clearances.

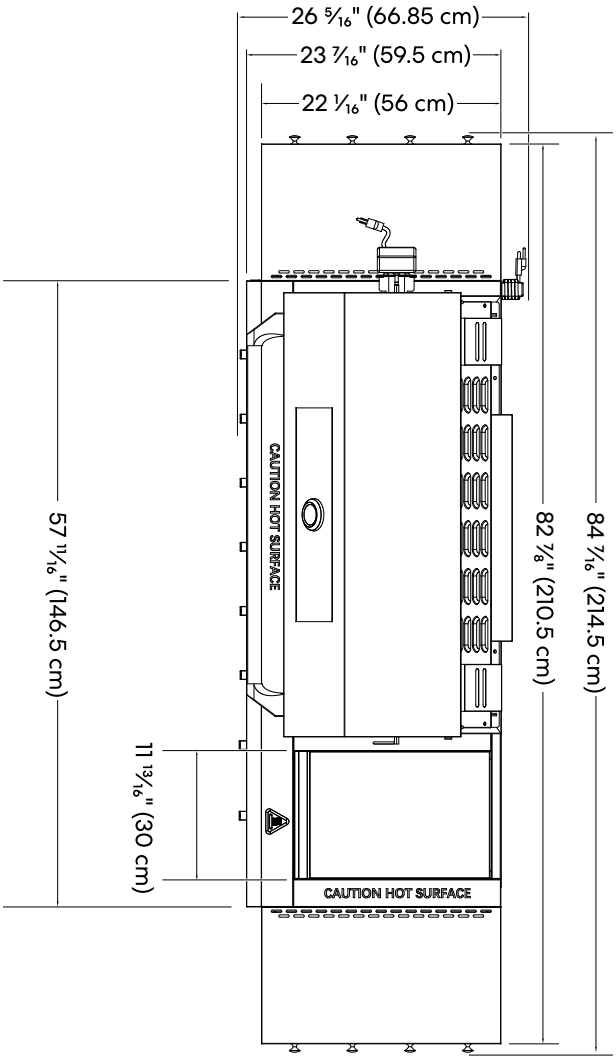
Manufactured/Factory-Built Homes, RVs, and Boats

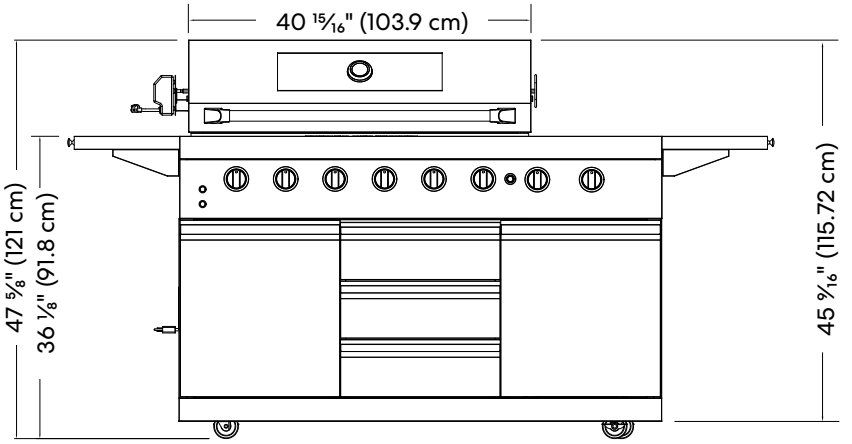
- This appliance is intended for outdoor residential use at a fixed location. It is not for installation in or on recreational vehicles or boats.
- For permanently installed natural-gas grills on the exterior of a manufactured home, installation must conform to local codes (or, in their absence, applicable national standards for gas piping and outdoor appliances) and include an accessible shutoff valve outside the home.

PRODUCT DIMENSIONS

Your model may appear different from the model depicted. Dimensions given are maximum dimensions.

COS-GGFN587GSS and COS-GGFN587GBK




40 15⁄16" (103.9 cm)
47 5⁄8" (121 cm)
36 1⁄8" (91.8 cm)
45 9⁄16" (115.72 cm)

CLEARANCES

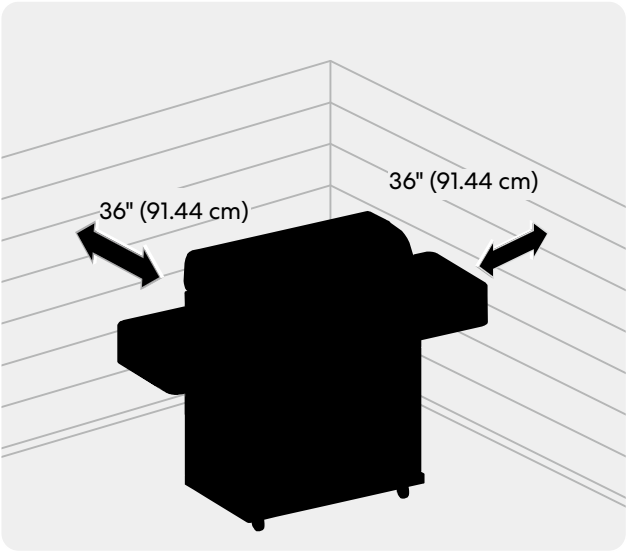
IMPORTANT: Outdoor use only. Observe all local codes. Do not obstruct combustion/ventilation air. Keep hood exhaust and cookbox air inlets clear.

- Maintain the minimum clearances to combustibles listed below. If an outdoor, ducted hood is installed above, also follow the hood manufacturer's clearances.
- Keep the area free of combustibles (furniture, railings, umbrellas, plants, fuel, aerosols).

Note:

- Do not install or operate the grill beneath unprotected combustible overhead construction. For an approved outdoor-rated, ducted ventilation hood, maintain the clearances specified in the grill certification, rating plate, local codes and hood manufacturer's installation instructions.
- Side/Rear clearance: Keep a minimum 36" (914 mm) horizontal clearance from all vertical combustible surfaces (walls, posts, rails, cabinets) at the sides and rear. Do not block the grill's air inlets or hood exhaust vents.
- Freestanding only: This model is not designed for slide-in/built-in cutouts or recessed enclosures. Do not enclose the sides or rear; allow full ventilation around the cookbox and cart.
- Island proximity (if placing near a counter): For non-combustible island tops only, keep at least 6" (152 mm) of space from the grill body to the back and side counter edges to allow hood swing, motor clearance, and to reduce heat transfer. Never position the grill under counter overhangs.

Given dimensions are minimum clearances.



Model	Side & Back Clearance
COS-GGFN587GSS	36" (91.4 cm)
COS-GGFN587GBK	36" (91.4 cm)

POWER SUPPLY REQUIREMENT

IMPORTANT: This grill's AC features (e.g., lights) require a grounded 120 VAC, 60 Hz, GFCI-protected outlet. Use a weather-resistant receptacle with an in-use (while-in-use) cover. Do not remove the ground pin or use adapters.

- Use a standard 120V, 3-prong, grounded outlet near the grill—on a wall or post to the side or behind it—and outside the 36 in (91 cm) space to anything that can burn.
- Keep the outlet and cord away from heat: not behind or under the cookbox and not over the drip tray or oil cup.
- Locate a grounded, GFCI-protected, weather-resistant receptacle within reach of the supplied power cord. Do not use an extension cord.
- Make a small drip loop in the cord so water runs off, and keep plugs off the ground. Use a weatherproof cover outdoors.
- Route the cord where it won't touch hot parts or sharp edges and won't get caught in doors, wheels, or walkways. Tie up extra slack.
- Keep the power cord separate from the gas hose—don't tape or bundle them together.

VENTING REQUIREMENTS

IMPORTANT: This grill is for outdoor use only and does not require a mechanical vent. If you choose to install an outdoor-rated, ducted ventilating hood, observe all local codes and the hood manufacturer's instructions. Do not obstruct the grill's combustion/ventilation air.

- Use a ducted, outdoor-rated hood only. Recirculating/ductless or downward-blowing "air curtain" systems are not permitted above a gas grill.
- Terminate the hood outdoors—never in an attic, crawlspace, or other enclosed area.
- Use an approved roof/wall cap with a backdraft damper; do not reduce the duct/cap size.
- Use rigid metal duct (stainless/galvanized). Avoid plastic or foil flex duct. Keep the duct size uniform, minimize elbows, and follow the hood's minimum size/length specs.
- Seal all duct joints; use an exterior weatherproof sealant at the wall/roof penetration.
- Maintain all required clearances to combustibles for the hood, duct, and cap. If framing is cut, provide proper structural support as required by code.
- Keep hood filters/baffles clean; accumulated grease is a fire hazard.
- Do not attach any vent/ducting directly to the grill itself, and do not block the grill's hood exhaust or air inlets.

ELECTRICAL REQUIREMENTS

⚠ WARNING



Electrical Shock Hazard

- Do not use an extension cord with this appliance.
- Remove house fuse or open circuit breaker before beginning installation.

Electrical Grounding Instructions

- The power cord of this appliance is equipped with a three-prong (grounding) plug which plugs into a standard three-prong grounding wall receptacle to minimize the possibility of electric shock hazard from this appliance.
- DO NOT, UNDER ANY CIRCUMSTANCES, CUT OR REMOVE THE (THIRD) GROUNDING PRONG FROM THE PLUG.

U.S.A. ONLY

Be sure that the electrical connection and wire size are adequate and in conformance with the National Electrical Code, ANSI/NFPA No. 70 - latest edition and all local codes and ordinances.

A copy of the above code standards can be obtained from:

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

CANADA ONLY

Be sure that the electrical connection and wire size are adequate and in conformance with the CSA Standard C22.1, Canadian Electrical Code, Part 1 - latest edition and all local codes and ordinances.

A copy of the above code standards can be obtained from:

Canadian Standards Association
178 Rexdale Blvd.
Toronto, ON M9W 1R3 CANADA

ELECTRICAL CONNECTION

WARNING: Improper grounding can cause electric shock. If you are unsure the outlet is properly grounded/polarized, have it inspected by a qualified electrician. Do not remove the ground pin or modify the plug. If it will not fit the outlet, have a proper outlet installed.

- Connect the grill's transformer/AC accessories to a grounded 120 VAC, 60 Hz, 3-prong, GFCI-protected receptacle. Use a weather-resistant (WR) outlet with an in-use cover suitable for outdoor locations.
- Do not use an adapter plug or extension cord. Connect the supplied three-prong power cord directly to a properly grounded, GFCI-protected, weather-resistant receptacle.
- The AC-powered accessories must be connected to a properly grounded receptacle with correct polarity. The burner ignition system uses the AA battery identified in the User Manual; service its battery and wiring according to the approved wiring diagram.
- Locate the receptacle so the cord does not contact hot surfaces (cookbox, rear panel, drip tray and oil cup) and cannot be pinched by doors or casters; leave a drip loop in the cord.
- Check local codes; all electrical work should be performed by a licensed electrician.
- The grill must be connected to the voltage and frequency shown on the model/serial/rating plate (located on the cart frame or rear panel).
- If a GFCI trips, turn all burners OFF, allow the grill to cool, dry any moisture around the outlet/plug, then reset the GFCI. Repeated tripping indicates a wiring or moisture issue that must be corrected before reuse.
- Do not submerge the transformer or ignitor module. Keep connectors clean and dry; disconnect power during long-term storage.

Connection

1. With all burners OFF and the grill cool, plug the transformer/power cord into the GFCI outlet.
2. Confirm the outlet is grounded and the GFCI is not tripped before use.

Model	AC Supply	Receptacle Type	Notes
COS-GGFN587GSS COS-GGFN587GBK	120 VAC, 60 Hz, 3-prong, GFCI	Weather-resistant (WR) with in-use cover	Place outside 36 in clearance; avoid heat/grease path

GAS SUPPLY REQUIREMENTS

⚠ WARNING

Fire and Explosion Hazard

- Use a new, listed (CSA/ULC) gas supply line appropriate for LP/NG.
- Install an accessible manual shut-off valve.
- Securely tighten all gas connections and perform a soap-solution leak test—never use a flame.
- For factory-set propane operation, use only the supplied LP regulator and hose assembly. After an authorized conversion to natural gas, use only the regulator and hose assembly specified in the manufacturer-approved NG conversion kit.
- Have a qualified person perform installation and checks (licensed installer, authorized gas company personnel, or authorized service personnel).
- Examples of a qualified person include:
  - licensed heating personnel
  - authorized gas company personnel
  - authorized service personnel
- Failure to do so can result in death, explosion or fire.

IMPORTANT:

- Observe all governing codes and ordinances.
- Installation must conform to local codes; in their absence, to the National Fuel Gas Code ANSI Z223.1/NFPA 54 (USA) or the Natural Gas and Propane Installation Code, CSA B149.1 (Canada).
- Leak testing must be conducted according to this manual after assembly, conversion, or service. Do not use a flame to check for leaks.

TYPE OF GAS

This outdoor gas grill is design-certified for operation on Propane (LP) or Natural Gas (NG) when converted correctly.

Propane Gas (LP)

The grill is factory-set for LP. Use only the factory LP regulator supplied with the appliance (LP outlet pressure preset). Keep the cylinder outdoors and upright; never store a spare cylinder under or near the grill.

Natural Gas (NG) Conversion

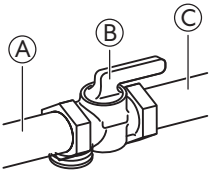
Operation on NG requires the manufacturer's NG conversion kit (regulator and orifices). Conversion must be performed by a qualified service technician in accordance with local codes. After conversion, apply the conversion label near the rating plate and verify inlet/outlet pressures per the kit instructions. If the gas available is not listed on the rating label or kit documentation, consult your gas supplier before proceeding.

No attempt should be made to operate the grill on a gas type other than the one shown on the rating label unless it has been properly converted using the manufacturer's kit.

GAS SHUT-OFF VALVE

For natural-gas installations, provide a code-compliant manual shutoff valve in an easily accessible location. Keep access to the shutoff valve unobstructed.

The LP cylinder valve serves as the manual shut-off. Close it whenever the grill is not in use and during assembly, cleaning, or storage. Provide a code-compliant shut-off valve (and, if used, a listed quick-disconnect) on the supply line near the grill so the gas can be turned ON/OFF without moving the appliance. After any connection or reconnection, perform a soap-solution leak test—never use a flame.



Ⓐ Gas Supply Line
Ⓑ Shutoff Valve "Open"
Ⓒ Position To Gas Grill

GAS PRESSURE REGULATOR

The gas pressure regulator supplied with this grill must be used. The inlet pressure to the regulator should be as follows for proper operation:

	Natural gas	LP gas
Minimum pressure	5" WC	11" WC
Maximum pressure	10.5" WC	13" WC

Contact local gas supplier if you are not sure about the inlet pressure.

Burner Input Requirements

Input ratings shown on the model/serial/rating plate are for elevations up to 2,000 ft (609.6 m).

For installations above the altitude range specified in the approved rating documentation, consult Cosmo Customer Support or a qualified installer for the manufacturer-approved high-altitude requirements. Do not modify burner orifice sizes without approve

Gas Supply Pressure Testing

Gas supply pressure for testing regulator must be at least 1" (2.5 cm) water column pressure above the manifold pressure shown on the model/serial/rating plate.

Line pressure testing above 0.5 psi gauge (14" WCP)

The grill and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 0.5 psi (3.5 kPa).

Line pressure testing at 0.5 psi gauge (14" WCP) or lower

The grill must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

INSTALLATION INSTRUCTIONS

IMPORTANT: This grill must be installed by qualified personnel in accordance with the manufacturer’ s instructions, applicable gas and electrical codes, and all governing local requirements.

REMOVE OLD APPLIANCE

⚠ WARNING

Fire and Explosion Hazard

If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

- Installation and service must be performed by a qualified installer, service agency or the gas supplier.
- WHAT TO DO IF YOU SMELL GAS
  - Do not try to light any appliance.
  - Do not touch any electrical switch.
  - Do not use any phone in your building.
  - Clear the room, building, or area of all occupants.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

⚠ WARNING



Electrical Shock Hazard

- Remove house fuse or open circuit breaker to disconnect power before servicing. Failure to do so can result in death, fire, or electrical shock.

⚠ WARNING

Excessive Weight Hazard

- Use two or more people to move, unpack, or install the grill.
- Disconnect LP cylinder and power before moving the grill.
- Lift only from the cart frame/base—do not lift by the hood, side shelves, control panel, knobs, or rotisserie motor.
- Remove heavy parts first (grates, flame tamers) to reduce weight.
- Lock casters during assembly; roll only on level surfaces and do not pull by the hood handle.

Failure to follow these instructions can result in back injury, tipping, or product damage.

⚠ CAUTION

Laceration, Foreign Object, Crush Hazard

- When installing, moving, or servicing any appliance, wear proper protective equipment, including cut resistant gloves, steel-toed shoes, and safety glasses.

1. For old grill with gas connection, shut off the gas supply valve to the grill and leave it off.

2. Shut off the electrical supply to the old grill at the breaker box or fuse box and leave it off until the installation has been completed

3. Move appliance to access and disconnect electrical connection and gas connection if applicable.

4. Move appliance out of and away from installation space.

UNPACK GRILL

⚠ WARNING

Excessive Weight Hazard

- Use two or more people to move and install grill. Failure to do so can result in back or other injury.

1. Remove shipping materials, tape and film from the grill. Do not dispose of anything until the installation is complete.

2. Remove grill racks and parts package from grill hood inside and shipping materials.

3. Using 2 or more people, gently move grill close enough but outside its final installation location to allow for gas supply and electrical connections.

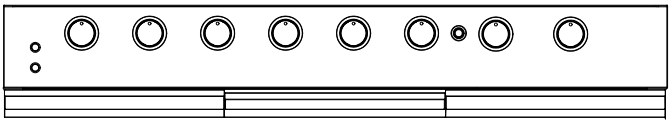
Note:

- Do not remove any warning-type labels, the model/serial number label, or the Tech Sheet on the grill.
- Do not use sharp instruments, rubbing alcohol, flammable fluids, or abrasive cleaners to remove tape or glue. These products can damage the surface of your grill.
- Do not push or pull the grill by grabbing the grill hood handle or cabinet drawers only. Doing so can result in serious damage to the grill.
- Do not lift the grill using the grill hood handle or cabinet drawers. Doing so can cause damage and improper operation of the grill.
- To reduce the weight of the grill while being moved, adjusted, and installed, leave the surface grates, racks, and any other accessories to the side until they are ready to be installed later.
- To further reduce the weight of the grill while being moved, adjusted, and installed, the storage drawer from the grill.

INSTALL/REMOVE CONTROL KNOBS

Be very careful not to scratch the surface of the unit. The appearance of the knobs may vary from what are shown below.

COS-GGFN587GSS and COS-GGFN587GSS



INSTALLING THE CONTROL KNOB

1. Hold the knob in an upright position with the indicator marking facing upward.

2. Place and align the knob opening over the control stem that is sticking out of the control panel.

3. Press the knob onto the stem, and make sure the knob is in the OFF position.

Repeat the above installation steps for each knob until they have all been replaced.

REMOVING THE CONTROL KNOB

1. Make sure the knob is in the OFF position.

2. Pull the knob straight off the stem.

Repeat the above installation steps for each knob until they have all been replaced.

INSTALL/REMOVE GRILL HOOD HANDLE

Tool Needed

- Hex key

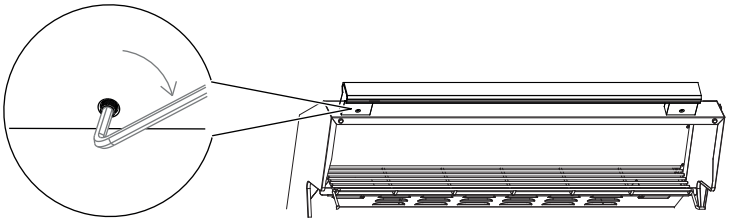
Note:

- The Gas Grill comes preinstalled with Handle.
- Be very careful not to scratch the surface of the unit. The handle’s appearance may differ from the illustration; follow the instructions applicable to the supplied handle and mounting hardware.
- The appearance of the handle may vary from what is shown below, but the installation will be the same.

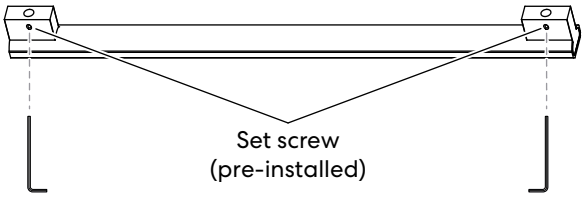
REMOVING THE GRILL HANDLE

Be very careful not to scratch the surface of the unit. The appearance of the handle may vary from what is shown below, but the installation will be the same.

1. Open the hood. Locate the set screws on both ends of the handle.

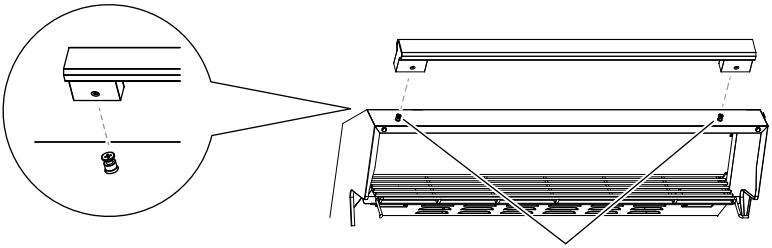


2. Loosen the set screw on one end with the Hex key while supporting the handle. Do not completely remove the set screw from the handle.



3. Keep supporting the handle while loosening the set screw on the other end.

4. Remove the handle from the mounting fasteners on the hood and set aside.

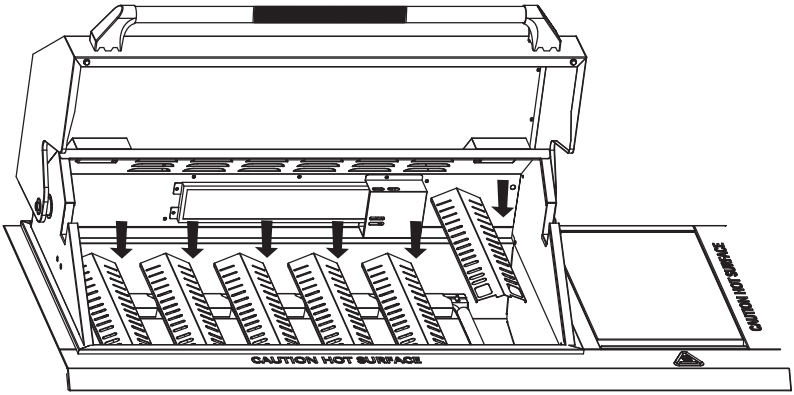


INSTALLING THE GRILL HANDLE

1. Partially loosen the set screw in both ends of the handle with the Hex key.

2. Align both handle mounting sockets with the fasteners installed on the hood. Seat the handle fully, then tighten the set screws at both ends using the correctly sized hex key. Confirm that the handle is secure before use.

INSTALL FLAME TAMERS AND COOKING GRATES

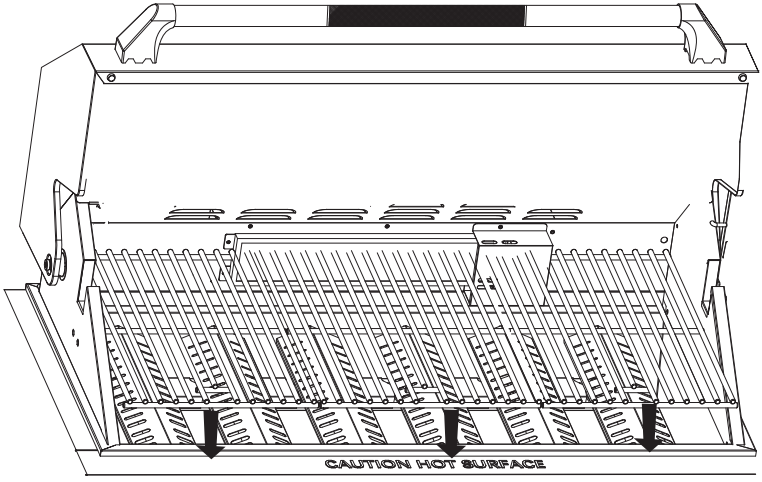


1. Open the hood and remove grates and the warming rack (if installed).

2. Place one flame tamer over each main burner.

3. Center each flame tamer so it covers the burner ports and doesn't touch the igniter.

4. Repeat the same for all other 5 flame tamers.



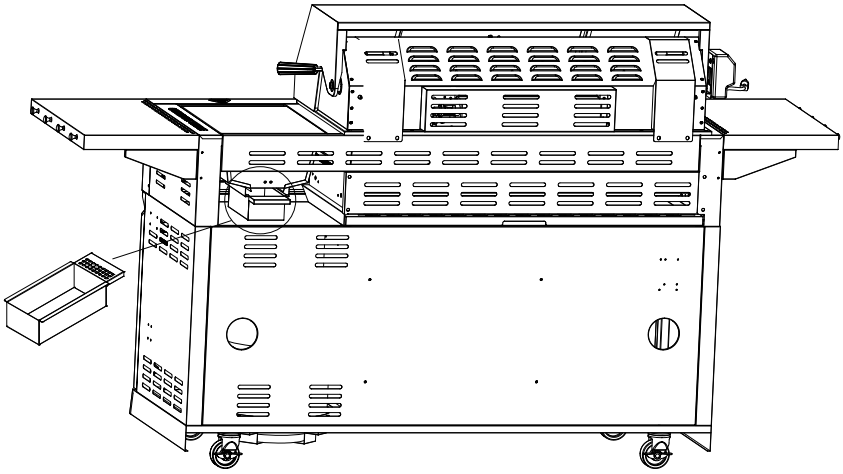
5. After installing all six flame tamers, place the three cooking grates on their supports, with the wider grate in the center and the two narrower grates on the sides.

6. Make sure all three cooking grates rest flat and securely on the cookbox support ledges without rocking.

INSTALL SIDE GRIDDLE

INSTALLING THE SIDE GRIDDLE OIL CUP

1. Locate the oil cup for the griddle, slide the oil cup straight in below the side-griddle opening from the back of the grill until it is fully seated in its receiver; the cup must be level so it can collect dripping.

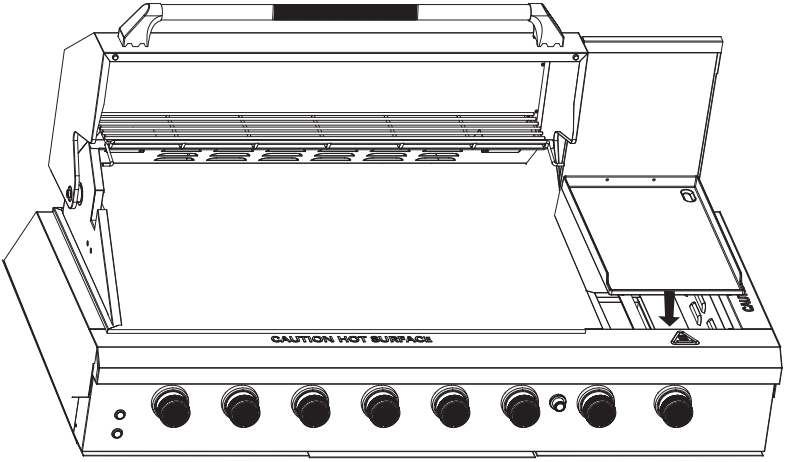


2. The oil cup must be in place any time the side griddle is used to prevent drippings from the cooking area.

INSTALLING THE SIDE GRIDDLE GRATE

Note:

- For side griddle cooking, remove the rotisserie kit to avoid damage/clearance issues.
- Before using the side griddle, make sure its oil cup and cooking grate are properly installed. Keep the side-griddle lid fully open during operation.



1. Open the side griddle lid.

2. Position the grate, if it's already not, inside the griddle so each edge rests on the upper ledges/tabs of the side burner cookbox.

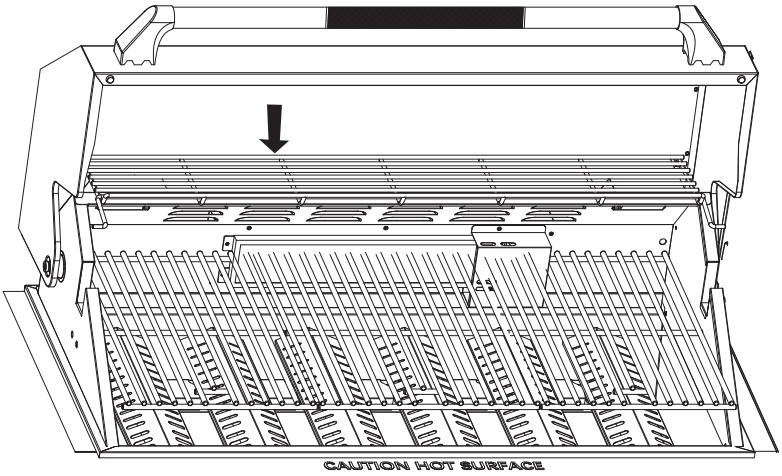
3. Lower the griddle straight down.

INSTALL THE WARMING RACK

Note:

- For rotisserie cooking, remove the warming rack to avoid damage/clearance issues.

1. Make sure the grill is OFF and cool; hood open.



2. Lower the front feet of the rack onto the side ledges (or front support tabs) inside the cookbox. The rack should sit level and not wobble.

3. Slowly close the hood to make sure the rack is not touching anything. Reposition if needed.

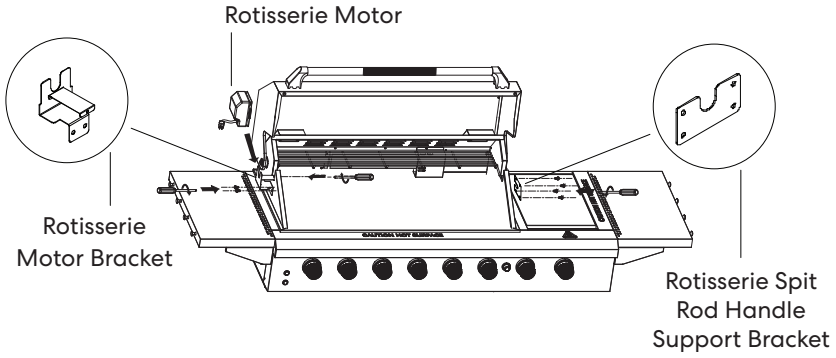
4. With the grill OFF and cool, press lightly on the warming rack corners. If the rack rocks or moves, reseat its hooks and verify that the front feet rest securely on their support ledges.

INSTALL ROTISSERIE

Note:

- Remove the Warming Rack, if installed before this installation to avoid damage/clearance issues.

MOUNTING THE ROTISSERIE MOTOR AND BRACKETS TO THE GRILL

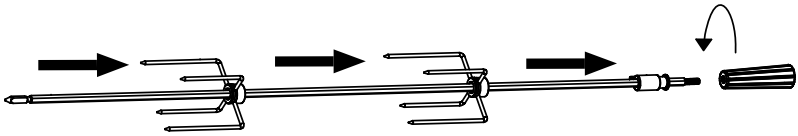


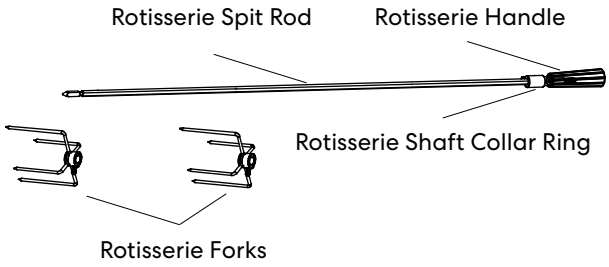
1. Find the pre-drilled holes on the left side panel. Hold the motor bracket so its shelf faces the cookbox and fasten it with 1× 5/32" screw from inside the cookbox and 2× 1/4" screws from outside. Tighten until solid (no wobble).

2. Mount the spit-rod support/handle bracket on the right-side panel (the cradle the handle end rests in) with 4x1/4” screws from outside; tighten fully so it can support the rod.

3. Slide the motor onto the motor bracket with the drive socket facing the cookbox; sight across the cookbox and make sure the socket lines up level with the opposite side.

ASSEMBLING THE ROTISSERIE KIT





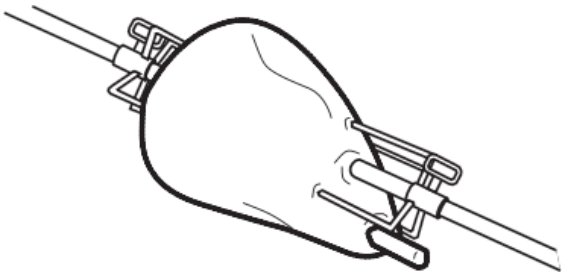
The instructions below are according to the illustrated diagram above.

1. Place the rotisserie spit rod on a clean surface with the threaded end to your right end and hand-tighten the handle snug (don't overtighten).

2. Push the shaft collar ring from the square/pointed end (left) and slide to the right edge near the handle and tighten it's set screw.

3. Slide a rotisserie fork on from the left side of the rod inward toward the center and lightly snug its thumbscrew.

4. Now slide the food onto the rod and push firmly into the fork.



5. Push another fork outward gently pushing firmly against the food and make sure the food is secured between both forks and tighten both fork's thumbscrews.

6. Snug the shaft-collar ring against the handle-side stop point and tighten its set screw.

7. Do a quick balance check; if one side dips, re-center the forks and retighten.

MOUNTING THE ROTISSERIE TO THE GRILL

1. Push the spit rod into the square/pointed end (left) fully into the motor socket.

2. Lower the handle end into the spit rod handle support bracket on the opposite side so the rod sits level.

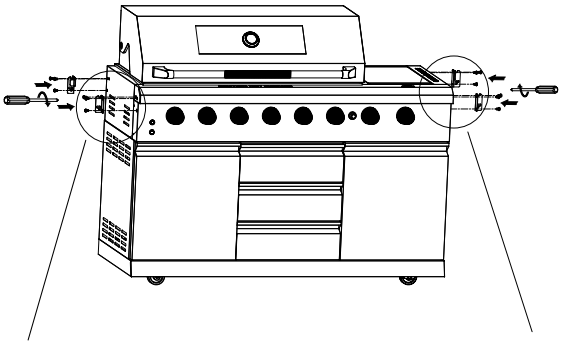
3. Confirm that both rotisserie forks remain securely positioned against the food and that the thumbscrews are fully tightened.

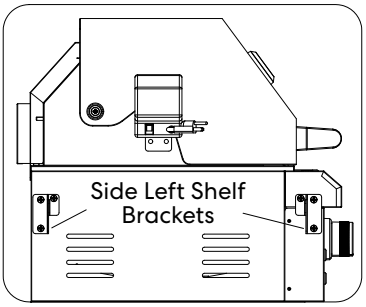
4. Before connecting power, check that the mounted spit rod is seated securely and will clear the grill during rotation. Follow the manufacturer-approved method for checking balance and rotation.

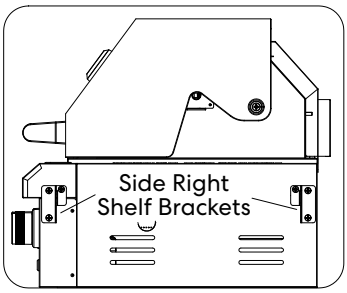
5. Route the rotisserie motor's cord to a GFCI outlet, keeping it and the gas hose away from hot areas and plug in and turn on the switch on the rotisserie motor and run it for 5–10 seconds. If it wobbles or creeps out, unplug, re-center the forks, and re-seat the spit rod.

INSTALL FOLDABLE SIDE SHELVES

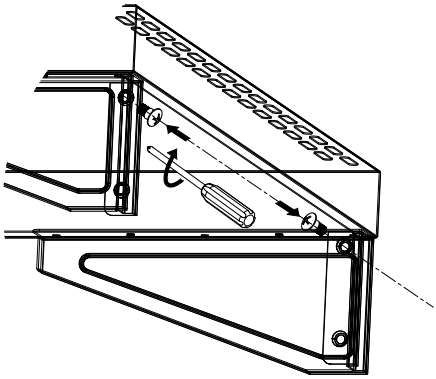
1. Hold the left shelf brackets (2) to the grill, align holes, and fasten each bracket with 3x1/4" screws (6 in total for left side).

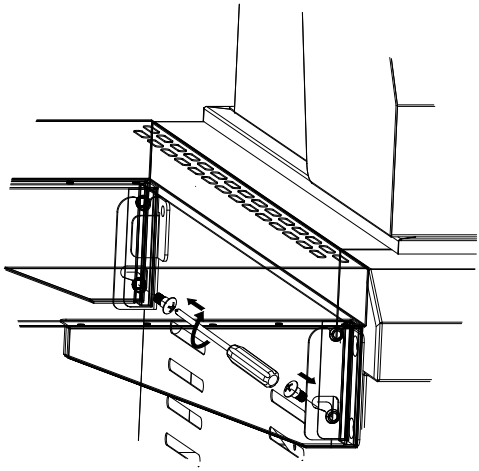




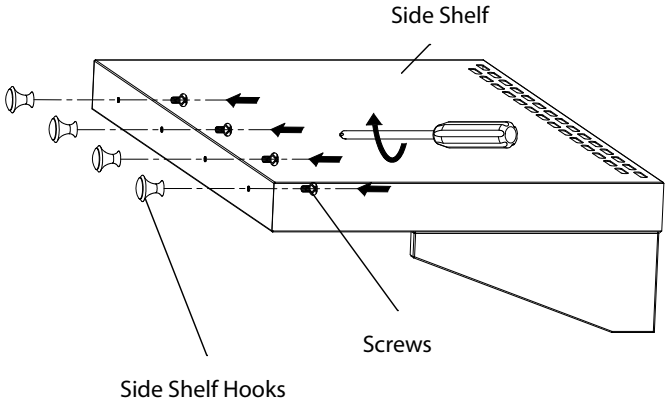


2. Align the left shelf vertically onto the bracket's holes, then use 4x1/4" step screws from the inside to mount the shelf— 2 screws to hang and 2 screws to lock.

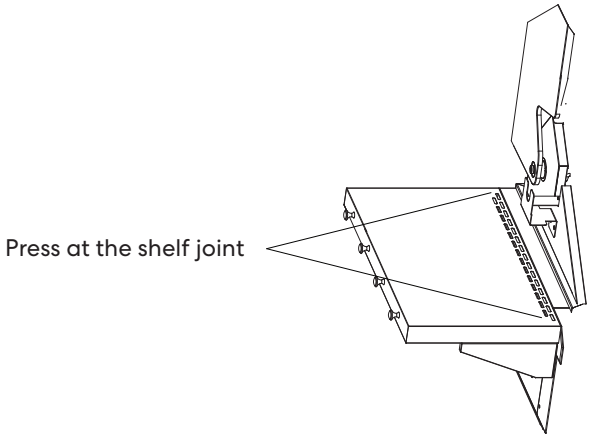




3. Attach 4 hooks to the shelf; secure each with 1x5/32" screw.

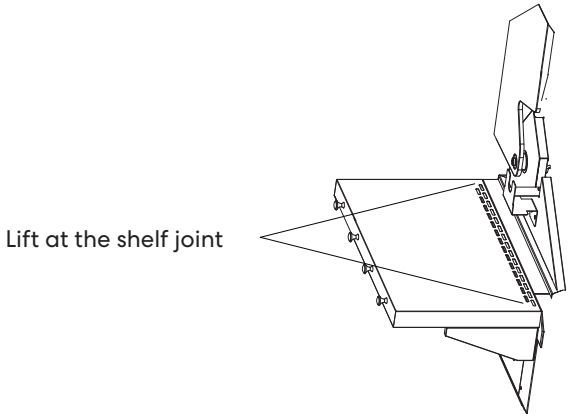


4. After mounting all the screws, you have to press near the shelf joint with hands on both edges slightly to lock it.



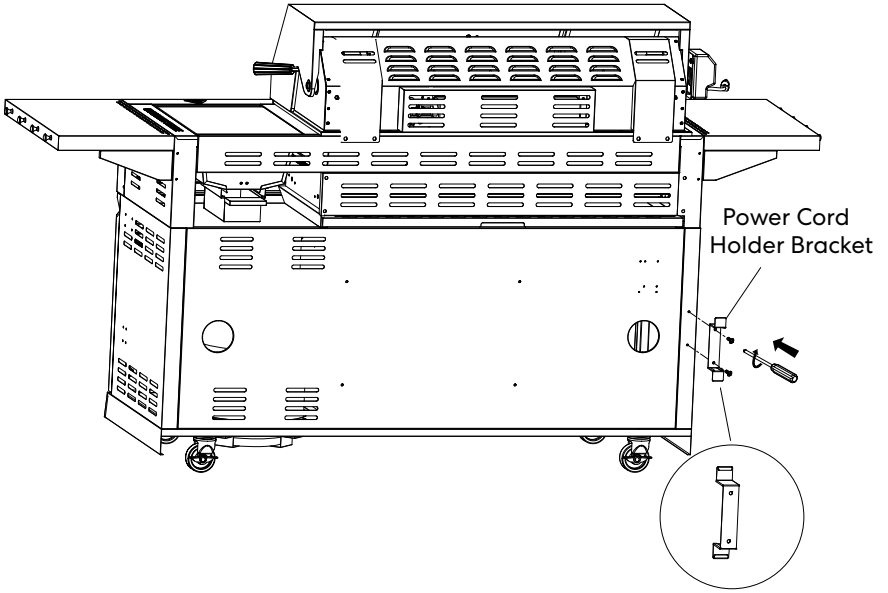
5. Repeat the same for the right shelf.

6. The shelves are foldable, to fold after the use, you have to slightly lift at the shelf joint on both edges by holding the shelf and fold down.



INSTALL POWER CORD HOLDER BRACKET

1. Behind the grill on the right side, align the power cord holder bracket to the holes and insert 2 × 5/32" screws and tighten them.



2. Slip the power cord into the bracket and make sure the cord routes away from the hot or moving parts.

GAS CONNECTION

⚠ WARNING

Fire and Explosion Hazard

- Use a new CSA International approved gas supply line.
- Install a shut-off valve.
- Securely tighten all gas connections.
- If connected to LP, have a qualified person make sure gas pressure does not exceed the maximum pressure listed in this section.
- Examples of a qualified person include:
  - licensed heating personnel
  - authorized gas company personnel
  - authorized service personnel
- Failure to do so can result in death, explosion or fire.

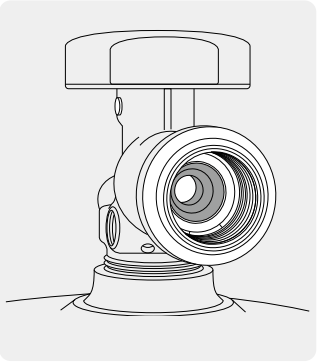
This appliance shall be installed only by authorized persons and in accordance with the manufacturer's installation instructions, local gas fitting regulations, municipal building codes, electrical wiring regulations, local water supply regulations. The agency performing this work assumes responsibility for the quality of work performed, including checking for leaks and ensuring installation meets code requirements.

This grill is factory-set for use with Propane gas. To use this grill with Natural gas, see the “Gas Conversion” section before connecting this grill to the gas supply. Gas conversions from Propane gas to Natural gas or Natural gas to Propane gas must be done by a qualified installer.

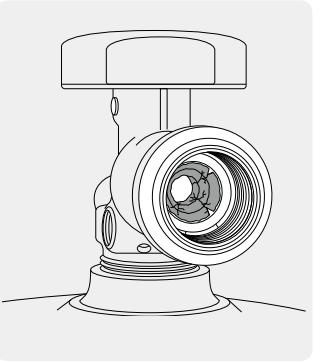
The gas pressure regulator supplied with this grill must be used. See "Gas Supply Requirements" section for more details.

LP GAS CYLINDER RUBBER SEAL INSPECTION

- Inspect LP gas cylinder valve rubber seal for cracks, wear or deterioration prior to use. A damaged rubber seal can cause a gas leak, possibly resulting in an explosion, fire or severe bodily harm.
- Inspection should be done each time LP gas cylinder is connected to grill, has been refilled, exchanged or has not been used for more than 60 days.
- Do not use a LP gas cylinder with a damaged rubber seal. Exchange LP gas cylinder or have rubber seal replaced at a qualified propane filling station.



Good Rubber Seal



Damaged Rubber Seal

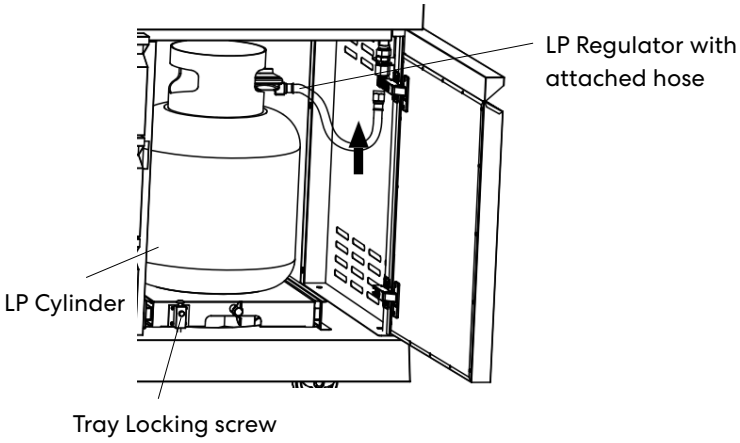
⚠ WARNING

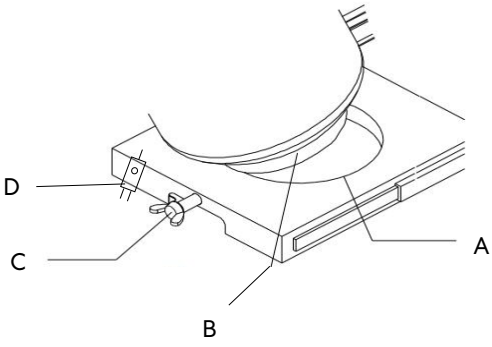
Fire and Explosion Hazard

- NEVER store a spare LP gas cylinder, empty or full, under or near the appliance.
- Never fill a cylinder beyond 80% full.
- An over filled or improperly stored cylinder is a hazard due to possible gas release from the safety relief valve. This could cause an intense fire or explosion with risk of property damage, serious injury or death.
- Do not store objects or materials inside the grill cabinet enclosure that would block the flow of combustion air to the underside of either the control panel or the firebox.
- If you see, smell or hear gas escaping, immediately get away from the LP gas cylinder/ grill and call your fire department.
- Failure to do so can result in death, explosion or fire.



THE LP GAS CYLINDER CONNECTION AND STORAGE





A. Cylinder tray

B. LP cylinder

C. Cylinder locking screw

D. Tray locking screw

1. Open the cabinet door on the right.

2. Loosen the tray locking screw at the bottom and slide out the cylinder tray and loosen the cylinder locking screw in the cabinet base.

3. Place a 20 lb (9 kg) LP cylinder upright on the cylinder tray and rotate the cylinder so the valve faces forward and the hose can reach without twisting.

4. With the cylinder valve closed, connect the supplied LP regulator to the cylinder valve as shown. Hand-tighten the coupling nut in the direction and manner specified by the regulator manufacturer; do not use tools unless expressly required.

5. Check hose routing: no sharp bend, not touching hot or sharp parts, and the door closes without pinching the hose.

6. With all burner controls OFF and the cylinder secured upright, slowly open the cylinder valve and apply an approved noncorrosive gas-leak detection solution to the connection. If bubbles appear, close the cylinder valve immediately. Do not operate the grill. Have a qualified person correct the leak with the gas supply OFF, then repeat the leak test before use.

7. Tighten the locking screw clockwise until the cylinder is held firmly and cannot tip.

8. Slide the cylinder tray back in and tighten the tray's locking screw.

Important: Keep the cylinder upright at all times and do not store a spare cylinder inside the cabinet.

Note:

- Do not make connections to the gas regulator too tight. Overtightening may crack the regulator resulting in a gas leak and possible fire or explosion.

TYPICAL RIGID PIPE CONNECTION

Use only the factory-approved gas connector, hose, regulator and fittings appropriate to the grill’s fuel configuration. Natural-gas connection details must match the approved NG conversion kit.

If local code requires hard piping up to that point, use appropriate fittings to meet code while maintaining access behind/near the grill. Configurations vary by supply type/size/location—consult a qualified technician. (A sediment trap/drip leg may be required by local code.

CONVERT TO NATURAL GAS (OPTIONAL)

This grill is shipped from the factory set up to use Propane gas (LP). It can be converted to operate on Natural gas (NG) by a qualified service technician.

The NG conversion kit is sold separately. Conversion to natural gas requires replacement of all eight burner orifices and installation of the NG regulator and hose assembly supplied in the manufacturer-approved conversion kit.

See "Gas Conversion" section for detailed instructions.

To order NG conversion kit, see "Optional Parts" in the "Tools and Parts" section.

Note:

- All replaced orifices must be left with the consumer, including the instructions and retrofit sizes and orifice indication.

COMPLETE GAS CONNECTION

⚠ WARNING

- For outdoor use only. Never use in a garage, shed, RV, tent, or any enclosed/partially enclosed area.
- Using this appliance indoors can cause death from carbon-monoxide poisoning.

Check that all gas grill controls are in the OFF position.

1. Open the manual shut-off valve in the gas supply line. The valve is open when the handle is parallel to the gas pipe.

2. Test all connections by brushing on an approved noncorrosive leak-detection solution. If bubbles appear, a leak is indicated. Correct any leak found.

COMPLETE INSTALLATION

ELECTRICAL SUPPLY CONNECTION

⚠ WARNING



Electrical Shock Hazard

- Remove house fuse or open circuit breaker to disconnect power before servicing.
- Plug into a grounded outlet.
- Failure to do so can result in death, fire, or electrical shock.

IMPORTANT:

- The power cord of this appliance is equipped with a three-prong (grounding) plug which plugs into a standard three-prong grounding wall receptacle.
- Where a standard two-prong wall receptacle is encountered, contact a qualified electrician to have it replaced with a properly grounded three-prong wall receptacle.
- DO NOT, UNDER ANY CIRCUMSTANCES, CUT OR REMOVE THE (THIRD) GROUNDING PRONG FROM THE PLUG.
- Before connecting the appliance to the power supply, make sure that the voltage and frequency listed on the rating label correspond with the household electrical supply. This data must correspond to prevent appliance damage. Consult an electrician if in doubt. It is the personal responsibility of the owner to provide the correct electrical service for this appliance.
- Do not use an extension cord with this appliance.

1. Check that all grill controls are in the OFF position.
2. Plug in grill to a grounded 3-prong wall receptacle.

PLACEMENT AND LEVELING THE GRILL

⚠ WARNING

Excessive Weight Hazard

- Use two or more people to move and install the grill. Failure to do so can result in back or other injury.

⚠ CAUTION

Laceration, Foreign Object, Crush Hazard

- When installing, moving, or servicing any appliance, wear proper protective equipment, including cut resistant gloves, steel-toed shoes, and safety glasses.

IMPORTANT:

- Do not lift by the grill hood handle or control knobs. Push, pull, or lift only on the body or structural areas, such as back corners of gas grill.
- Do not move the grill by pushing or pulling on the cabinet doors, control panel, hood or side shelves. Use the cart frame and designated structural gripping points when moving the grill.
- Move grill by using wheels.
- Be careful not to pinch or kink the electrical connection. If unit does not move in smoothly, check for obstructions. Do not attempt to force the unit into position.

Position the grill on a level, stable outdoor surface while maintaining all required clearances. Lock the braked casters before operation.

Note:

- The grill must be level for safe operation, stability and even cooking.
- Grill legs cannot be adjusted.

CHECKING OPERATION OF THE SURFACE BURNERS

Abnormal Operation

Any of the following are considered to be abnormal operation and may require servicing:

- Check that all packing material and tape have been removed. Failure to remove these materials could result in damage to the appliance once the appliance has been turned on and surfaces have heated.
- Be sure power is in service.
- Yellow burner flames.
- Sooting up of cooking utensils.
- Burners not igniting properly.
- Burners failing to remain lit.
- Burners going out unexpectedly during operation.
- Gas valves, which are difficult to turn.

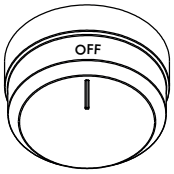
If the grill does not operate correctly, turn it OFF, shut off the gas supply if safe to do so, and contact an authorized service provider.

Do not adjust burner primary-air settings unless required by the manufacturer-approved conversion or service instructions. Any required adjustment must be performed by a qualified technician.

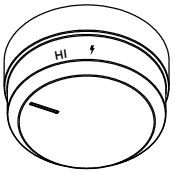
The grill uses an electronic ignition system. When you push and turn a burner knob to the IGNITE position, the system creates a rapid clicking sound as it produces a spark to light the burner. You may hear sparks at other burners as well, but only the burner with the knob turned to IGNITE will receive gas and light. The sparking continues as long as the knob stays in the IGNITE position. Once the burner is lit, turn the knob to your desired heat setting. If the burner does not light within five seconds, turn the knob OFF, wait at least 5 minutes for the gas to clear, and then try again.

STANDARD SURFACE MAIN AND SIDE GRIDDLE BURNERS

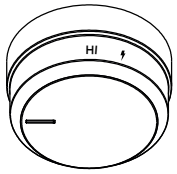
The appearance of the knobs may vary from what are shown below.



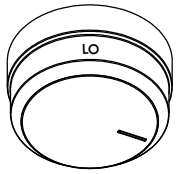
OFF Position



Ignite Position



HI Position



LO Position

1. For each burner, one at a time, push in and turn control knob to the ignite position, and turn control knob to the highest setting after the burner is lit.

2. The flame should light within 4 seconds. If the burner does not ignite within 5 seconds, turn the control knob OFF and wait at least 5 minutes before attempting to relight. Do not continue releasing gas to purge air through an unlit burner.

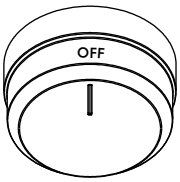
3. For each burner, one at a time, rotate the knob quickly to the lowest setting - confirm that the flame is not extinguished.

4. Check burner flame stability using the manufacturer-approved grill commissioning procedure. If any burner extinguishes unexpectedly, turn all affected controls OFF and stop operation until the cause has been corrected.

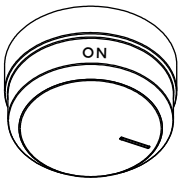
5. Compare flame height at the highest and lowest setting - confirm flame height is sufficiently reduced when turned to the lowest setting.

ROTISSERIE BURNER

The appearance of the knobs may vary from what are shown below.



OFF position



ON position

1. Open the grill hood. Push in and turn the rotisserie-burner control knob to its manufacturer-designated ignition/ON position. Verify ignition using the factory-approved procedure.

If Burners Do Not Light Properly:

1. Turn grill control knob to the OFF position.

2. Check that the AA battery is not ran out, if so please replace.

3. Check that the gas shut-off valves are set to the open position.

4. Check that flame tamers are properly positioned on burner tubes.

Repeat start-up. If a burner does not light at this point, turn the control knobs to the OFF position and contact your dealer or authorized service company for assistance.

GAS CONVERSION

⚠ WARNING

Fire and Explosion Hazard

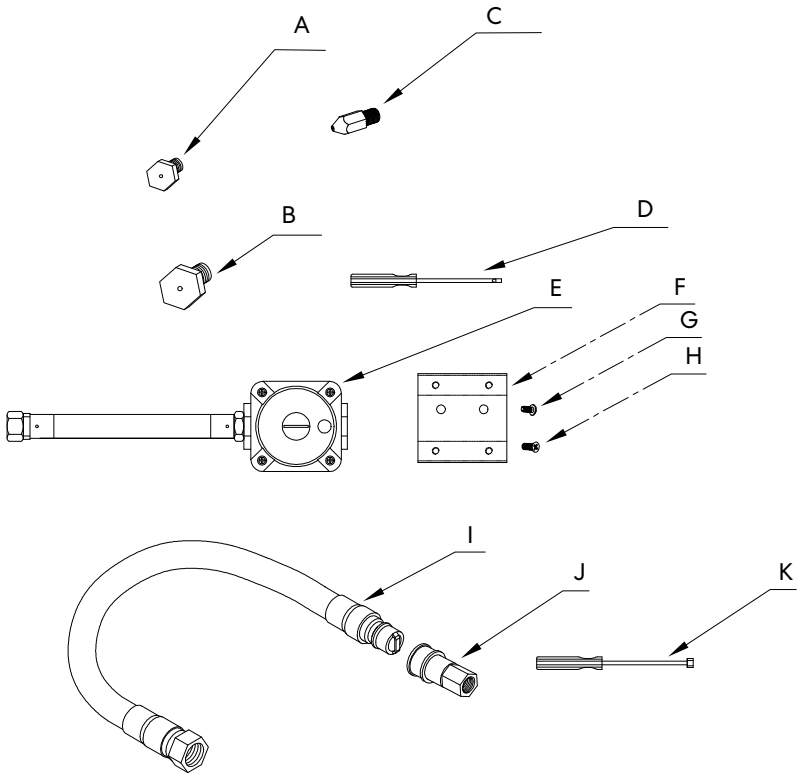
- Use a new CSA International approved gas supply line.
- Install a shut-off valve.
- Securely tighten all gas connections.
- Have a qualified person make sure gas pressure does not exceed the maximum pressure listed in this section.
- Examples of a qualified person include:
  - licensed heating personnel
  - authorized gas company personnel
  - authorized service personnel
- Failure to do so can result in death, explosion or fire.

This grill is factory-set for use with Propane gas (LP). The Natural gas (NG) conversion kit is sold separately. To order NG conversion kit, see "Optional Parts" in the "Tools and Parts" section.

IMPORTANT: Gas conversion must be performed by a qualified service technician in accordance with the manufacturer's approved conversion kit and applicable codes. Before removing a regulator, hose, burner, orifice, or other gas component, turn all burner controls OFF, shut off and disconnect the gas supply, disconnect electrical power, and allow the grill to cool completely. The qualified service technician is responsible for installation, leak testing, pressure verification and final commissioning.

TOOLS NEEDED

- Wrench (2)
- Phillips screwdriver (1)



PARTS INCLUDED IN THE NG KIT

A. NG Side burner orifice (1)

B. NG Main burner orifices (6)

C. Rotisserie burner orifice (1)

D. Flat head screwdriver (1)

E. NG Regulator with attached hose (1)

F. NG Regulator bracket (1)

G. Philips-head screw (4)

H. Cross recessed truss head screw (2)

I. 10 ft. NG gas hose extension (1)

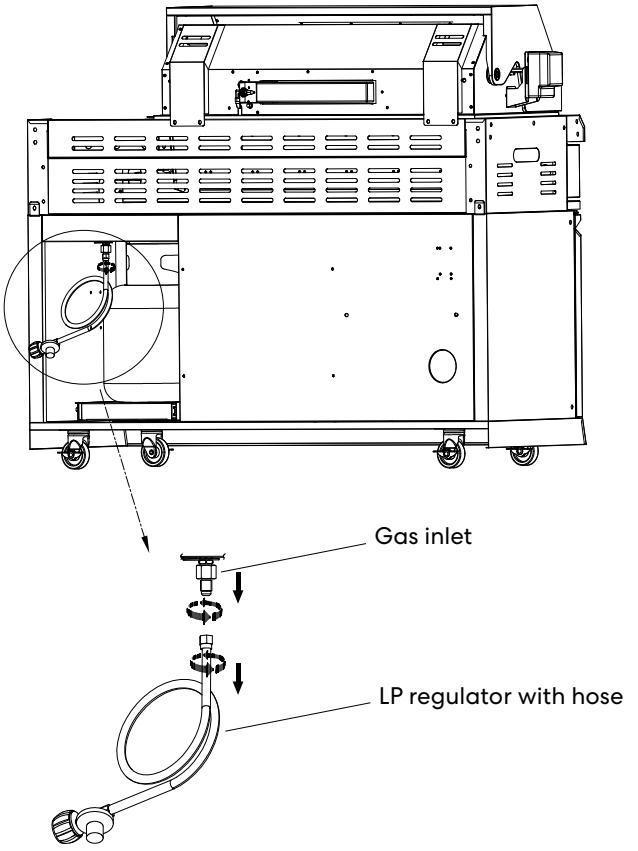
J. 3/8" Female quick connect fitting (1)

K. 6mm Hex sleeve driver (1)

REPLACE THE GAS PRESSURE REGULATOR

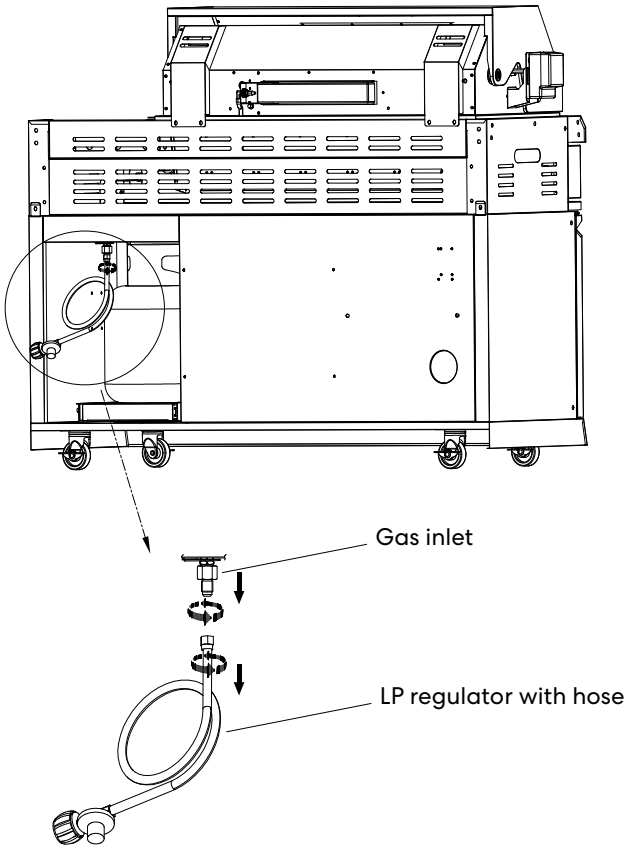
1. Open the right cabinet door. Look inside along the right inner wall and find the factory LP regulator with hose, that's attached to the grill's gas inlet at the top.

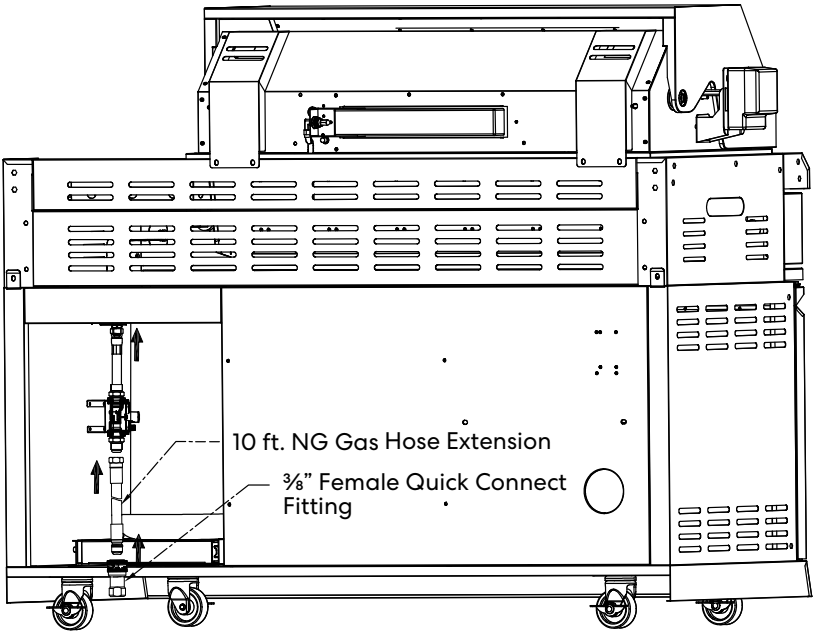
   - Put one wrench on the gas inlet fitting (this is your backup wrench so the pipe doesn't twist).
   - Use a second wrench to turn the nut on the LP regulator with attached hose counter-clockwise and remove it, so the inlet is bare/ready for the **NG Regulator with attached hose**.



2. Align **NG Regulator bracket** with **NG Regulator with attached hose** holes and fasten **Cross recessed truss head screws (×2)**.

3. Position the **NG regulator** and **bracket assembly** against the mounting holes on the inside of the right-side cabinet panel. Align the bracket holes and secure the assembly using the four supplied **Phillips flat-head screws (×4)**, as shown in the illustration. Tighten all four screws securely and verify that the regulator assembly is firmly mounted.





4. Connect **NG Regulator with attached hose** to gas inlet at the top. Hold the inlet fitting with a backup wrench and tighten the nut on **NG Regulator with attached hose** using the wrench. Do not use tape or compound on flare fittings.

5. Attach **10 ft. NG gas hose extension** to the outlet of **NG Regulator with attached hose**; wrench-tighten the connection. Route the hose with smooth curves (no sharp bends), off hot/sharp parts, and make sure the door doesn't pinch it.

6. Install **3/8" female quick-connect fitting** on the house gas stub-out NG source. Apply gas-rated pipe compound to NPT threads only (never on flare), then tighten snugly with wrenches.

7. Push the end of **10 ft. NG Gas hose extension** into **3/8" Female quick connect fitting** until it clicks/locks; tug gently to confirm it's latched.

8. Do not turn gas on yet**.** Complete the burner orifice conversions first. When all gas work is done, open gas slowly and brush soapy water on every new joint (quick-connect, all flare nuts, and any NPT joints).

IMPORTANT: Keep and store the **LP Regulator with attached hose** that has just been replaced in case of re-installation.

Note:

- After converting the grill from propane (LP) to natural gas (NG), apply the manufacturer-supplied NG conversion label at the location specified in the approved conversion-kit instructions. When converting the grill back to LP using an approved procedure, update or remove the NG conversion marking as directed so the displayed gas type matches the appliance.

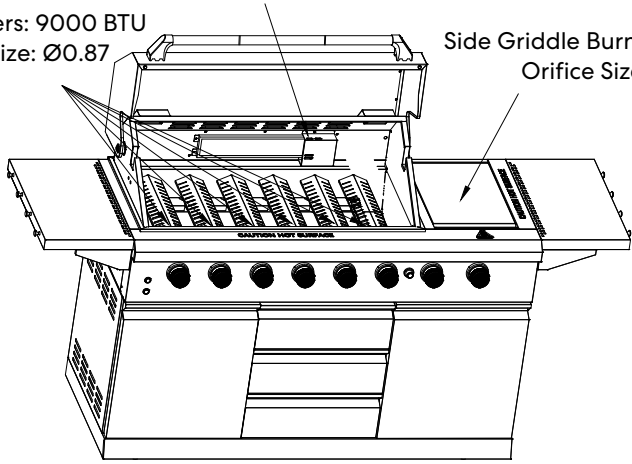
ORIFICE CONVERSION

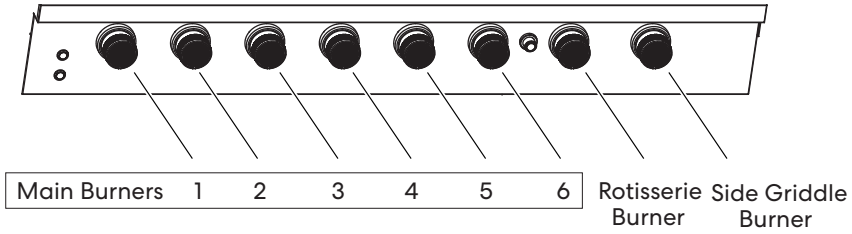
IMPORTANT: Make sure to save the orifices that have just been replaced in the conversion.

Rear Rotisserie Burner: 10,000 BTU
Orifice Size: Ø0.9

Main Burners: 9000 BTU
Orifice Size: Ø0.87

Side Griddle Burner: 12,000 BTU
Orifice Size: Ø1.0





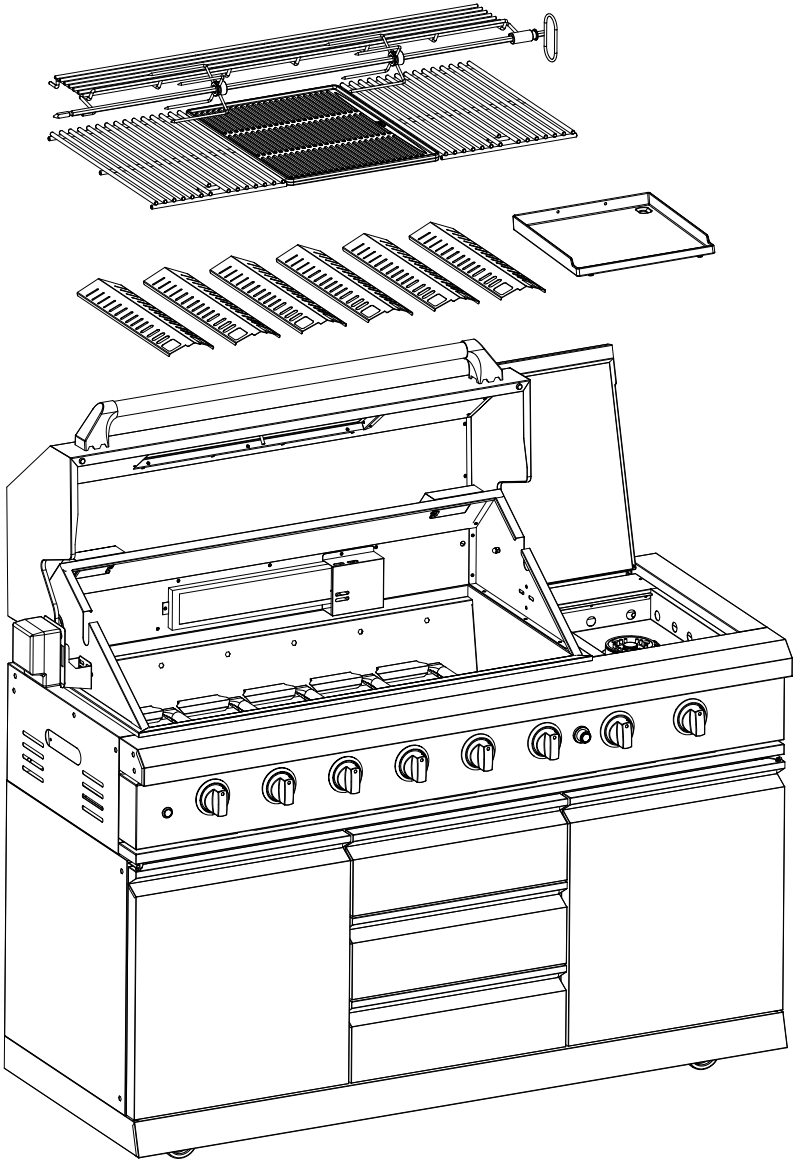
NG/LP BURNER ORIFICE CHART FOR SURFACE BURNERS

COS-GGFN587GSS and COS-GGFN587GBK

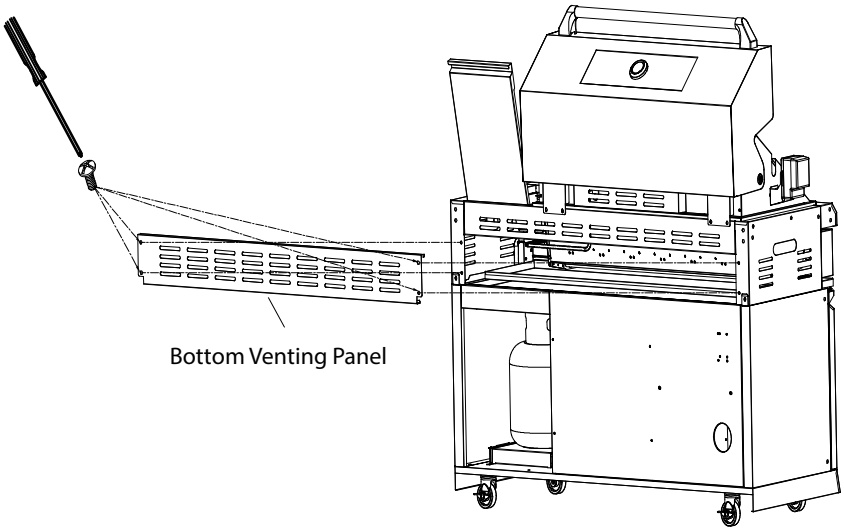
Burner Placement	NG Orifice Size (mm)	LP Orifice Size (mm)	LP and NG Rating (BTU/h)
Main Burner 1	1.35	0.87	9,000
Main Burner 2	1.35	0.87	9,000
Main Burner 3	1.35	0.87	9,000
Main Burner 4	1.35	0.87	9,000
Main Burner 5	1.35	0.87	9,000
Main Burner 6	1.35	0.87	9,000
Rear (Rotisserie) Burner	1.42	0.90	10,000
Side Griddle Burner	1.62	1.00	12,000

CONVERT MAIN BURNERS ORIFICE

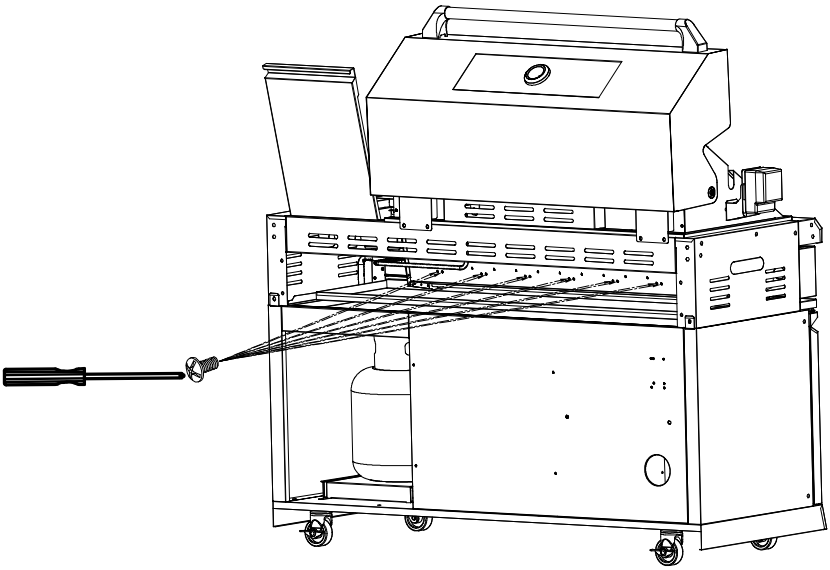
1. Turn gas OFF and unplug the grill; make sure it's cool. Open the hood and remove the warming rack, cooking grates, side griddle and flame tamers to expose the burners.



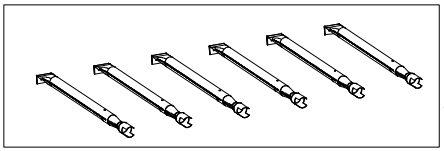
2. Remove the screws and take off the bottom venting panel from the back.



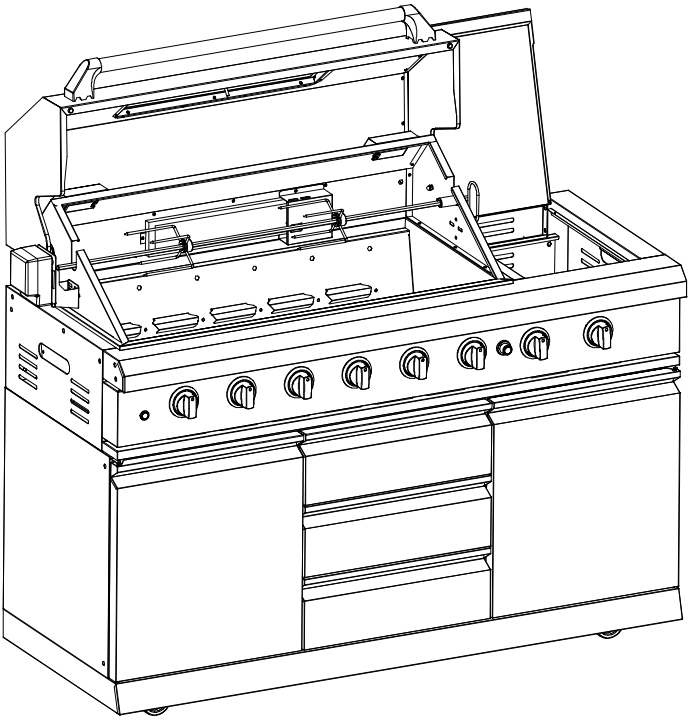
3. For each of the 6 main burners, remove the rear retaining screws.



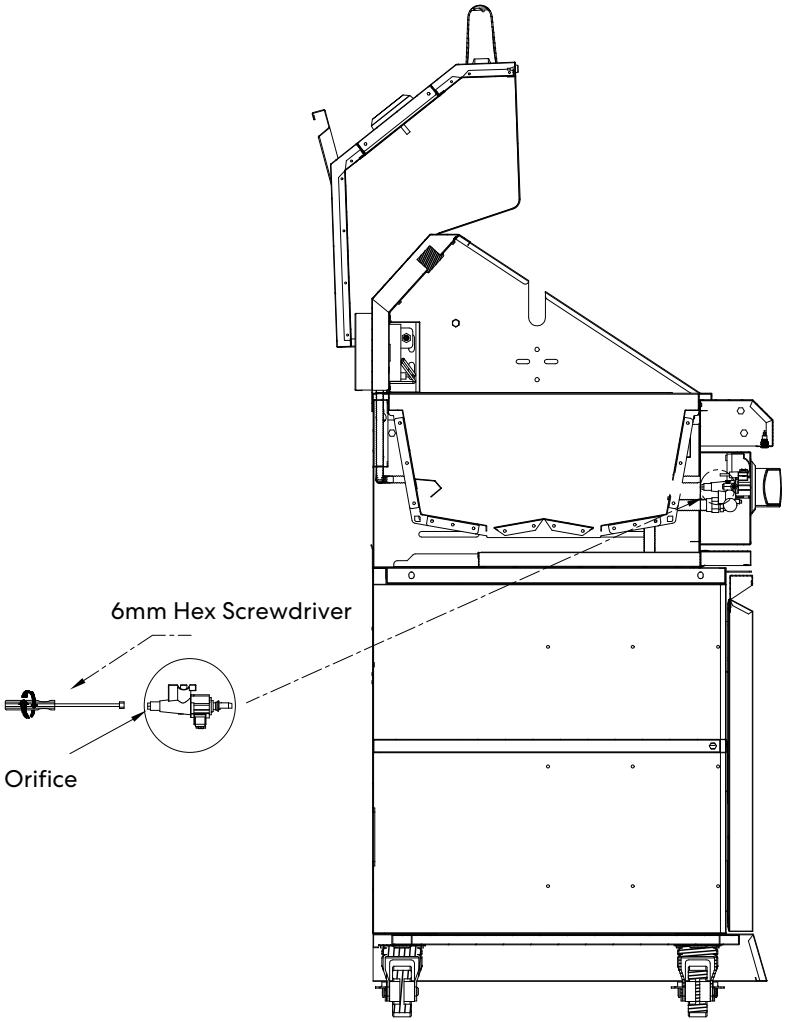
4. From inside the cookbox, slightly slide down the main burner and lift up to remove it and repeat this for all 6 burners.



Main Burners



5. With the **6 mm hex sleeve driver**, remove the old LP orifice (counter-clockwise); install **NG main-burner orifices (x6)** provided in the kit (clockwise) until snug—do not overtighten.



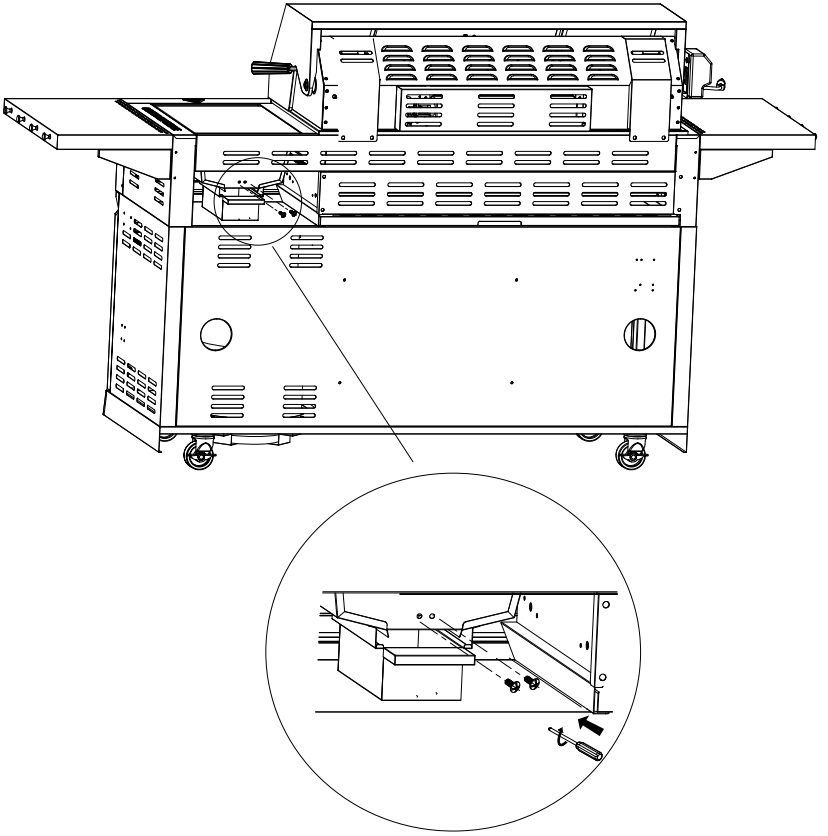
6. Gas orifices are stamped with a size number. Refer to the orifice chart earlier for correct NG and LP gas orifice sizes and proper placement.

7. Replace the main burner into the cookbox and reinstall the rear screw; repeat for all 6 burners.

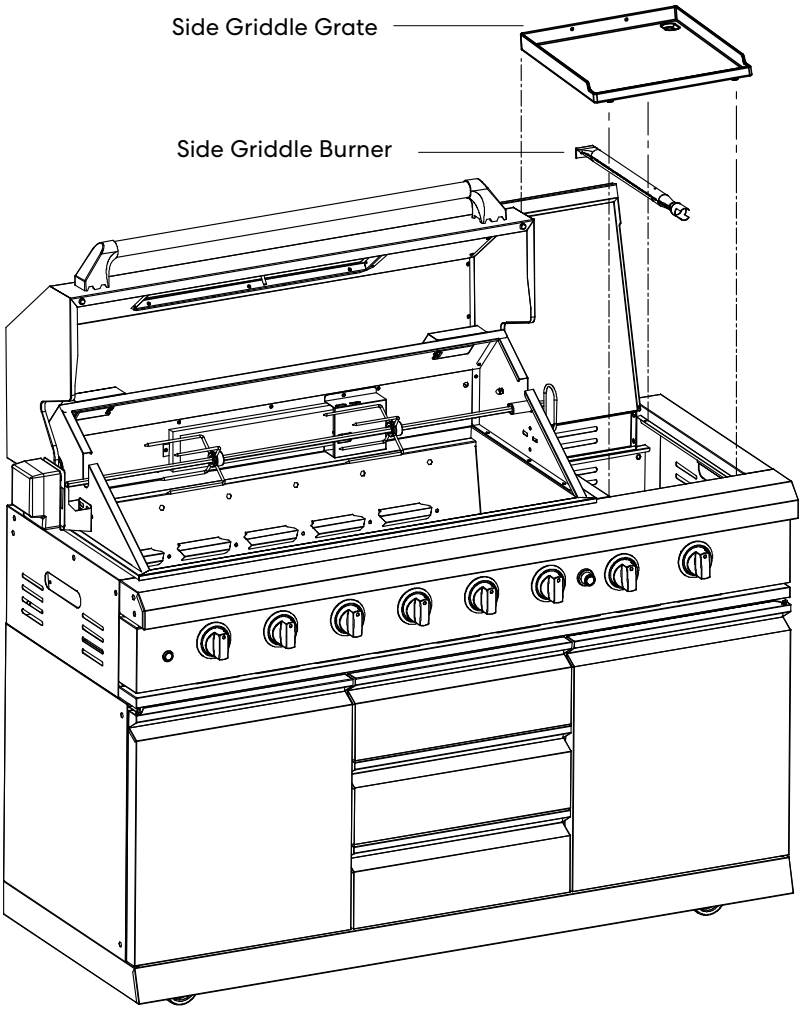
8. Reinstall the bottom venting panel, then the flame tamers and grates (leave the warming rack off if converting other burners next).

CONVERT SIDE GRIDDLE BURNER ORIFICE

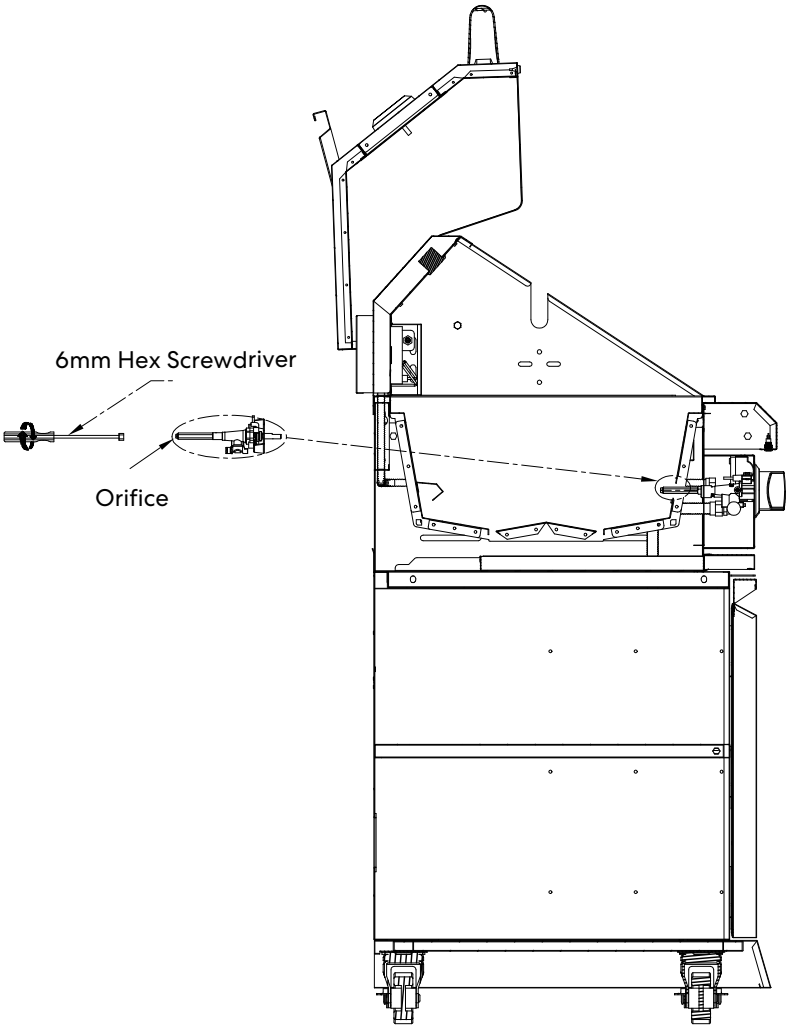
1. From behind the side griddle, remove the two rear Phillips-head screws that secure the burner.



2. Open the side griddle lid and lift off the griddle.



3. Carefully take out the burner. With the **6 mm hex sleeve driver**, remove the LP orifice from the valve (counter-clockwise).



4. Install the **NG side-burner orifice** (clockwise) until snug—do not overtighten.

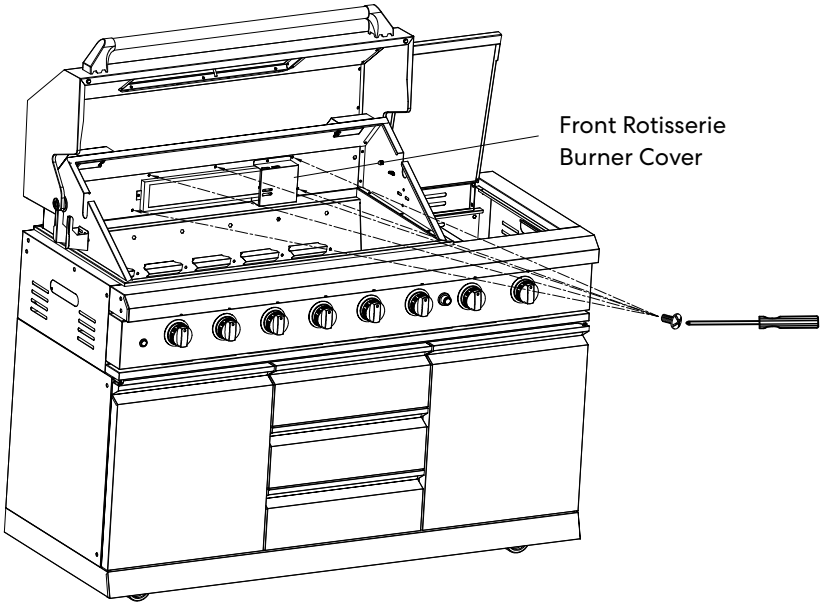
5. Set the burner and the griddlee back in place and reinstall the Phillips-head screw (x2) behind; the burner should sit fully on the new orifice.

IMPORTANT: Keep and store the orifices that have just been replaced in case of re-installation.

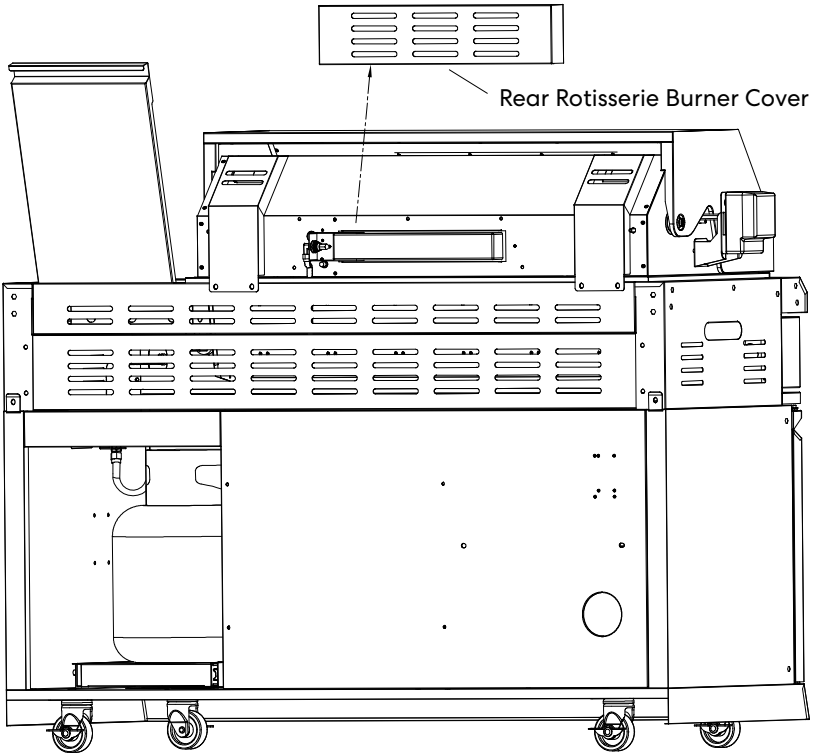
CONVERT ROTISSERIE BURNER ORIFICE

1. Open the hood and remove the warming rack.

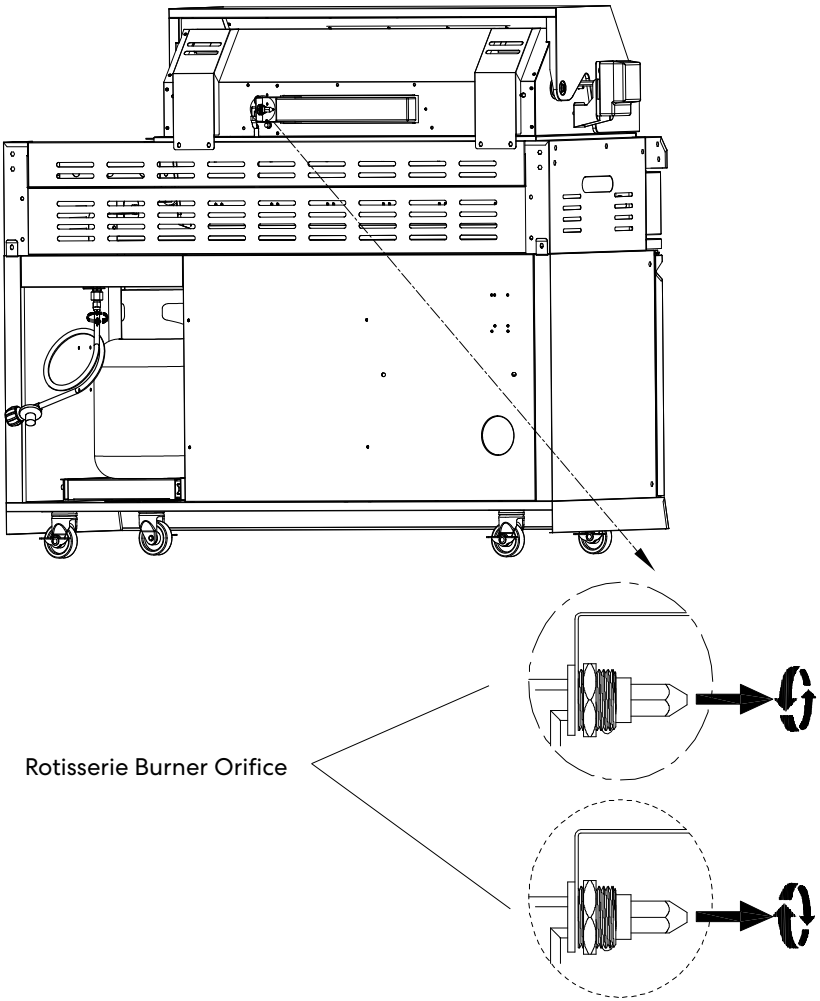
2. From inside the cookbox (front side), use a Phillips screwdriver to remove 5 screws as shown in the diagram.



3. After removing the screws, move to the back of the grill and remove the rear rotisserie burner cover.



4. Locate the rotisserie burner orifice behind the rear rotisserie burner cover. With the **6 mm hex sleeve driver**, remove the LP orifice (counter-clockwise).



5. Install the **NG rotisserie orifice** (clockwise) until snug—do not overtighten.

6. Reinstall the rear rotisserie burner cover and tighten its 5 screws from inside the cookbox we removed in Step 2.

SAFETY CHECK

1. Turn gas ON and do a soapy-water leak test on every new joint. Bubbles = leak → turn gas OFF, fix, retest.

2. A qualified service technician must use a suitable manometer to measure and verify the NG regulator outlet pressure at the approved test point before returning the grill to service. The pressure must match the manufacturer-approved conversion-kit specification.

3. Verify ignition and flame stability for each burner using the manufacturer-approved procedure. Check conventional main and side burners at their specified control settings. Evaluate the rear infrared rotisserie burner separately; do not apply LOW-flame instructions to an ON/OFF-only burner.

4. Check each adjustable main and side burner through its approved control range, and check the rear rotisserie burner using its ON/OFF procedure. Turn all burner controls OFF after testing.

Inspect/clear burners and venturi tubes of debris; ensure hoses are routed with no kinks and away from hot/sharp parts. Done.

ADJUST SURFACE BURNER VALVES

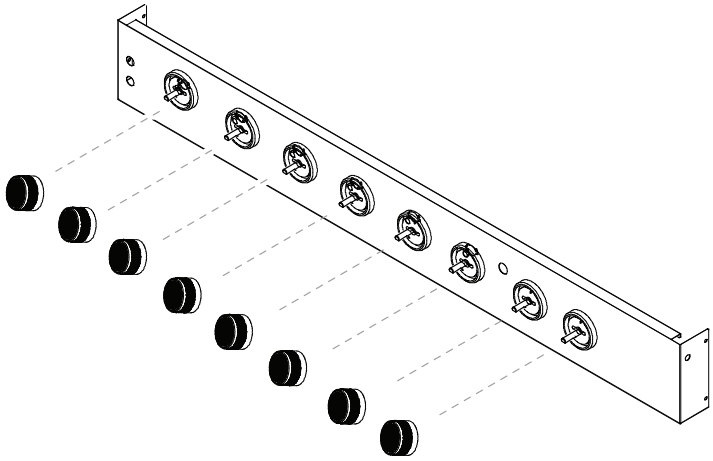
Be very careful not to scratch the surface of the unit. The appearance of the grill and knobs may vary from what is shown below, but the installation will be the same.

Tool Needed

- Flat head screwdriver (Provided in the kit)

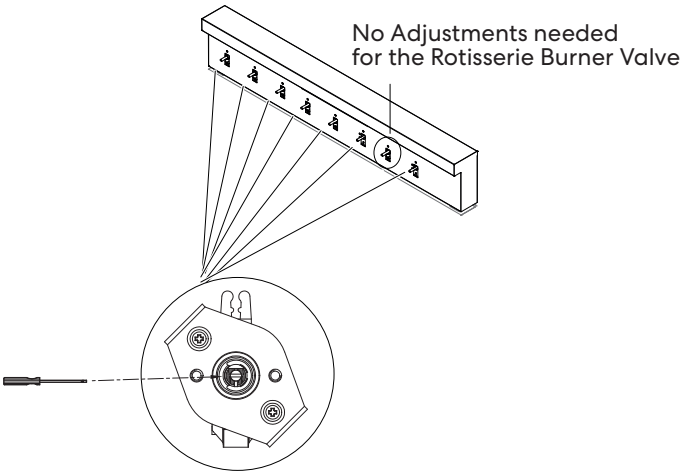
1. Do this after you've finished the conversion and passed the leak test. Open the hood, turn gas ON, and have a **Flathead screwdriver** ready.

2. For one burner at a time: push the knob on, light the burner, and turn it to LOW.



3. Pull the knob straight off (leave the valve on LOW). Using the **Flathead screwdriver**, turn the tiny low-flame screw in the valve: NG → turn fully clockwise to the stop, then back slightly if the flame is too weak; LP → turn fully counter-clockwise to the stop (slot parallel to the bottom). Aim for a small, steady blue flame.

4. Refit the control knob securely and repeat the factory-approved adjustment procedure for the remaining adjustable burners. The rotisserie burner must be checked using its separate approved procedure.



Standard Burner Valve

5. Comparison pass: turn all main burners to HIGH for 10–15 seconds, then turn them all to LOW. If one looks higher/lower than the rest, adjust that burner slightly while it's on LOW (turn other burners OFF while you tweak to keep the area cooler).

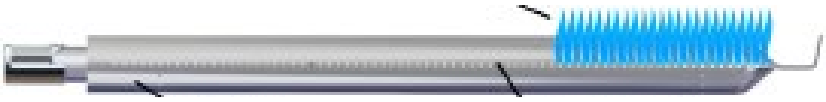
6. Final check: cycle each burner HIGH → LOW → OFF to confirm smooth control and even ignition across the ports. Flames on LOW should be mostly blue with tiny yellow tips and stay lit when the hood closes.

7. Leave all knobs aligned to OFF. You're done.

Selecting a Flame Size

⚠ CAUTION

- Check the gas grill after lighting. All burner ports should show a 25 mm (1") flame on "HIGH."



1. Do not remove, reinstall or reposition cooking grates, flame tamers or other burner components while the grill is lit or hot. Any flame inspection requiring removal of these parts must be performed only using a manufacturer-approved technician procedure.

2. For one burner at a time: push the knob on, light the burner, and turn it to HIGH and the flame should show 25 mm (1") flame.

Shut off gas at once and clean the venturi tubes, if there is probably a blockage in the venturi tubes. Below are the following symptoms:

- If you smell gas.
- Your gas grill heats unevenly

- A flashback fire occurs.
- The burners make popping noises.

COMPLETE GAS CONVERSION

Refer to "Gas Connection" in the "Installation Instructions" section for proper connection of the grill to the gas supply.

LIMITED WARRANTY

WARRANTY AND SERVICE

TO RECEIVE WARRANTY SERVICE, YOUR PRODUCT MUST BE REGISTERED.
TO REGISTER AND REVIEW FULL WARRANTY DETAILS, VISIT:

WWW.COSMOAPPLIANCES.COM/WARRANTY

SCAN TO REGISTER

CUSTOMER SUPPORT

TO CHAT WITH US LIVE FOR ASSISTANCE, VISIT:

WWW.COSMOAPPLIANCES.COM/CHAT

SCAN TO CHAT

IMPORTANT

Do Not Return This Product To The Store

If you have a problem with this product, please contact Customer Support at

+1 (888) 784-3108

Dated proof of purchase, the model number, and the serial number are required for warranty service.

IMPORTANT

Ne retournez pas ce produit au magasin

En cas de problème avec ce produit, veuillez contacter le service à la clientèle de Cosmo au

+1 (888) 784-3108

Une preuve d'achat datée, le numéro de modèle et le numéro de série sont requis pour obtenir un service sous garantie.

IMPORTANTE

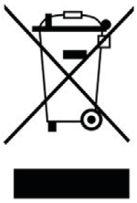
No devuelva este producto a la tienda

Si tiene algún problema con este producto, comuníquese con el servicio de atención al cliente de Cosmo al

+1 (888) 784-3108

(Válido solo en E.U.A.)

Para obtener servicio de garantía, se requieren un comprobante de compra con fecha, el número de modelo y el número de serie.



Correct disposal of this product:

The crossed-out wheeled-bin symbol indicates that this appliance should be collected separately from household waste. Recycle the appliance responsibly. Contact your local waste-management authority for information about appliance collection and recycling.

MEMO

MEMO

COSMO

APPLIANCES

Cosmo continually works to improve the quality and performance of its products. Product specifications and appearance may change. Use the installation and operating instructions applicable to your model and product version. If the product differs from the information in this manual, contact Cosmo Customer Support before installation or use.

An electronic version of this manual is available at:
www.cosmoappliances.com