



# CHARCOAL GRILL COOKING



**THIS MANUAL DOES NOT REPLACE  
THE COLEMAN® SAFE USE AND CARE MANUAL.**

**THIS MANUAL MUST REMAIN WITH THE PRODUCT AT ALL TIMES**

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**MAINTENANCE TOOLS REQUIRED:**

Long handle grill brush, scouring pad, paper towels, grill cover, scraper, heat resistant ash removal container

**COOKING TOOLS REQUIRED:**

Vegetable cooking spray, meat thermometer, long handle cooking tools and grilling gloves

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**THIS BARBECUE IS FOR OUTDOOR USE ONLY**

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To ensure your satisfaction and for follow-up service,  
register your BBQ online at  
**[www.colemanbbqs.com](http://www.colemanbbqs.com)**

## DANGER

- Burning charcoal gives off carbon monoxide. Do not burn charcoal inside homes, garages, tents, vehicles or any enclosed areas.
- Keep children and pets away from the Dual Fuel when operating.
- Never leave the Dual Fuel unattended while in use.
- Minimum clearance to adjacent combustible materials: Minimum of 36" (91.44 cm) from furthest protruding edge on all sides of the Dual Fuel barbecue.
- Keep the Dual Fuel on a secure, level surface at all times.
- Do not operate the Dual Fuel under any overhead construction, such as roof coverings, carports, awnings or overhang.

## SAFE USAGE

- Do not move the Dual Fuel when hot or in operation.
- Do not locate in windy settings. High winds adversely affect cooking performance.
- Do not use gasoline, alcohol, lighter fluid, or other highly volatile fluids to ignite charcoal.
- Do not remove ashes from the ash collection until charcoal is completely extinguished and cooled.
- Keep the lid closed during the preheat period, with vents fully opened.
- Never touch the cooking grate, charcoal grate, the charcoal, ash catcher, or the exterior of the barbecue or kettle lid during or after use.
- Only put charcoal on the charcoal grate. Do not place charcoal directly into the fire bowl, ash catcher, directly on the burner, or on the cooking grate.
- Barbecue mitts should always be worn while cooking, adjusting air vents, adding charcoal, and handling the lid. Use proper barbecue tools, with long, heat-resistant handles.
- Do not use water to control flare-ups or to extinguish charcoal, as it may damage the porcelain finish. Close air vents and replace the lid to extinguish charcoal.
- To control flare-ups, slightly close the vents. To completely extinguish fire, close all vents and lid completely.
- Do not remove ashes from ash catcher until all charcoal is completely burned out and fully extinguished. Allow ample time to cool

# LIGHTING INSTRUCTIONS

## **⚠ WARNING**

Do not use any flammable liquids such as lighting fluids, gasoline, any accelerants or electric charcoal starter, any other form of self-lighting charcoal at any time, including when manually lighting. Failure to follow this instruction may cause serious bodily injury or death.

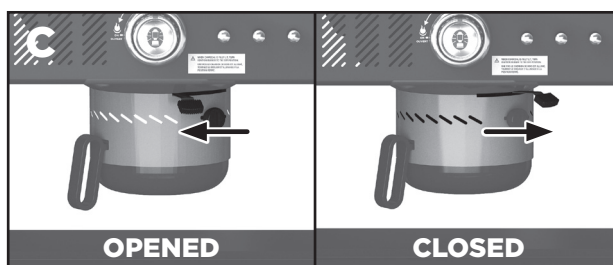
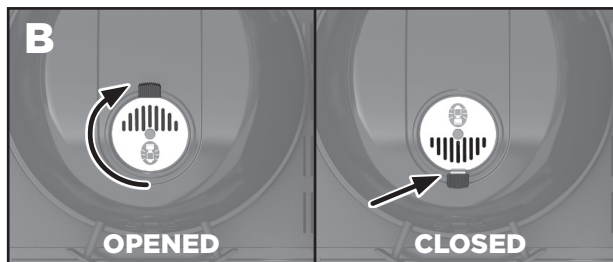
**THIS PRODUCT LIGHTS WITH GAS ONLY.**

The Instastart™ Charcoal Ignition Burner uses a gas ignition system to take the hassle out of lighting charcoal briquettes.

1. Open the lid. Remove cooking grate. Ensure the charcoal grate is in position.



2. Open all air vents before building the fire. Charcoal requires oxygen to burn, so be sure nothing blocks the vents.



3. Arrange the charcoal onto the charcoal grate in an even layer, or pile the charcoal in the middle of the grate, if both direct and indirect cooking is needed.
4. Re-position the cooking grate.
5. Turn gas supply on at least one turn, slowly.

## **⚠ WARNING**

Do not lean over open barbecue while lighting.

6. Press in and turn your charcoal ignition burner to the ON position.
7. Press your Instastart™ ignition button and charcoal lighting burner will light, starting the charcoal for you.



8. After charcoal has ignited (approximately 5 minutes), press in and turn the gas ignition burner to the OFF position.

### **NOTE:**

If using **BOTH** the **GAS BARBECUE** and the **CHARCOAL COOKOUT** at the same time, turn off the gas source **AFTER** you have completed cooking on the Revolution™ gas barbecue.

If **ONLY** using the Charcoal **COOKOUT** turn the gas source **OFF** after turning the charcoal ignition burner **OFF**.

9. Close lid and allow the charcoal to burn.
10. You can begin cooking when briquettes have a light coating of gray ash (approximately 15-20 minutes).
11. Consult your recipe for recommended cooking times. Use a temperature probe to check doneness.

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**⚠ WARNING**

- Do not hold hand directly above burner when manually lighting.
  - Do not lean over open barbecue while lighting.
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**⚠ CAUTION**

Flame may be hard to see on a bright day.

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## BURNER FLAME CHECK

**ALWAYS** do a visual check of charcoal lighting burner. If you experience one of the symptom listed below, follow the burner cleaning procedure (p. 13 Coleman® Safe Use and Care Manual) or reset the regulator flow limiting device (p. 4 and 6 Coleman® Safe Use and Care Manual):

- The flames do not appear to be uniform throughout the burner tube
- The smell of gas in conjunction with the burner flames appearing yellow and lazy
- Charcoal is not lighting



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**⚠ WARNING**

Spiders and insects are attracted to the smell of gas and often build nests inside burners. At first sight of yellow, unruly flames, or poorly lit burners, shut down your BBQ and remove and clear obstructions, like insect webs, from your burners and valve gas jet. See p. 10 of Coleman® Safe Use and Care Manual for more information on Flash Back Fire.

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**⚠ WARNING**

Lighting your burners without first cleaning the venturi tubes, port holes, and interior of your burners, can lead to a serious Flash-Back fire resulting in property damage and/ or personal injury. See p. 13 of Coleman® Safe Use and Care Manual for burner cleaning procedure.

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## HOW MUCH CHARCOAL IS REQUIRED?

- Approximately 50 briquettes (1.5 kg / 3.3 lb).
- Charcoal recommendations are approximate. Longer cooking times, cold or windy temperatures will require that additional charcoal be added to reach and maintain ideal cooking temperatures.

## ADDING CHARCOAL DURING COOKING

### **WARNING**

**Always wear protective gloves. Always use long handled heat resistant tongs for loading additional charcoal.**

1. Open the charcoal lid.
2. Move food to one side of the cooking grate.
3. To access the charcoal grate, lift the hinged portion of the cooking grate.
4. Load approximately 12-20 additional briquettes (390 g - 520 g / 0.86 lb - 1.15 lb) for each additional hour of cooking required.

### **ATTENTION**

**Never leave your barbecue unattended while in use.**

## PUTTING OUT THE FIRE

**Once cooking is complete, follow these steps to extinguish the fire:**

1. Using protective gloves, close the kettle lid.
2. Close all vents.

### **NOTE:**

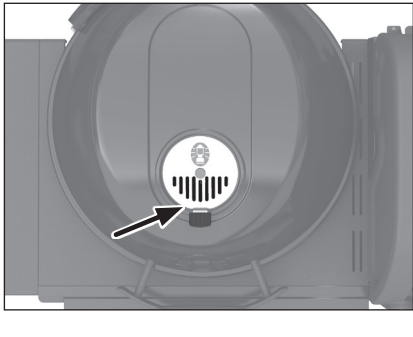

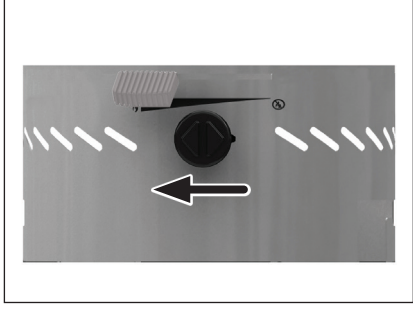
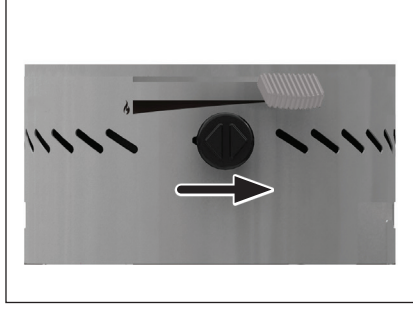
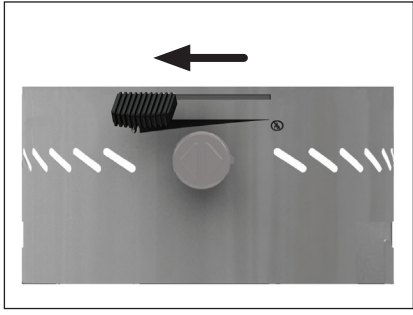
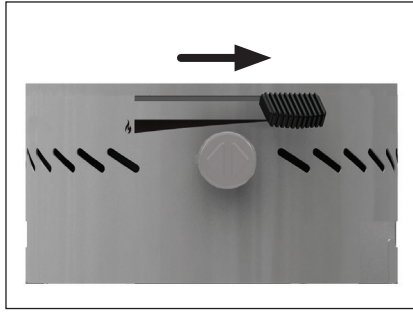
Assume that it will take at least 1 hour for your charcoal to extinguish and your barbecue to cool down. There is not an ON or OFF switch for a charcoal fire. Always be cautious about making any assumptions about when the fire is completely out and completely cool.

### **WARNING**

- o Do not store your Dual Fuel until ash and coals are fully extinguished.
- o Allow charcoal to burn out before removing to avoid a possible fire.
- o Never dump hot coals where they might be stepped on or be a fire hazard.
- o Never dump ashes or coal before they are fully extinguished.

# OPERATING INSTRUCTIONS

Oxygen is an essential part of building a proper fire, elevating and stabilizing cooking temperatures and controlling cooking times. The charcoal kettle comes equipped with three air intake controls.

<b>FEATURES</b>	<b>LIGHTING &amp; COOKING</b> During lighting and operation all vents should be in the OPEN position. More air increases the burning temperature of the coals.	<b>SHUT DOWN</b> Closing the vent either partially or completely will help to cool down the coals. Less air decreases the burning temperature.
<b>Lid Vent</b>		
<b>Fire Bowl Vent</b>		
<b>Ash Sweep</b> The Ash Sweep functions as both a cleaning tool for eliminating ash from the firebowl, and also an air intake control while cooking.		

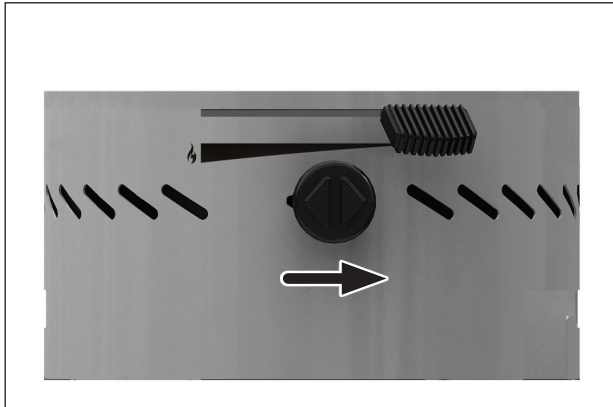
## ASH REMOVAL

Remove ash catcher, only after the charcoal has been extinguished and allowed to cool.

**TIP:**

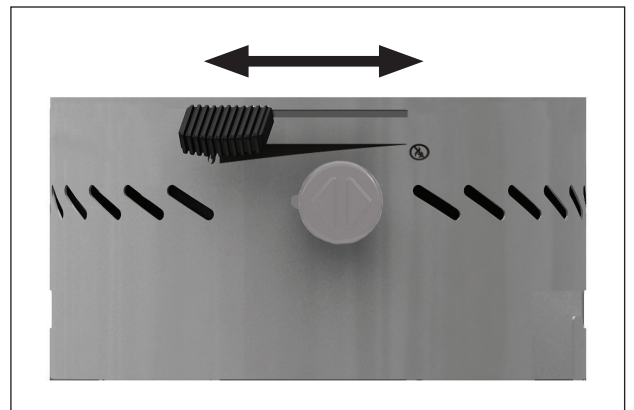
A pile of ash left in the ash catcher can collect moisture and make cleanup a challenge. Clean the ash catcher after every use.

1. Ensure that the ash catcher is in position.
2. Ensure that the fire bowl vent is closed.



3. Once you are sure that the ash has cooled, open the lid and remove the cooking grate.
4. Sweep all ash and debris from the charcoal grate into the lower fire bowl. Dispose of any larger pieces of charcoal.

5. Grasp the ash sweep handle and move back and forth until most of the ash is swept into the ash catcher. Use a hand broom for any leftover residue in the fire bowl.



6. With your heat resistant ash container handy, remove the ash catcher from its position and carefully dump all ashes into a heat resistant container. Allow it to sit for 24 hours.





## GENERAL MAINTENANCE

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### ATTENTION

- o DO NOT USE ANY ABRASIVE CLEANERS OR STEEL WOOL on cooking or charcoal grate or any painted, porcelain or stainless steel parts.
  - o Porcelain enamel components must be handled with additional care. The baked-on enamel finish is glass-like, and will chip if struck.
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## FIRE BOWL AND LID

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- Use a plastic paint scraper to remove build-up, food residue and ash from inside the kettle fire bowl and lid.
- If necessary, wash the interior and exterior of the kettle lid and fire bowl with a warm detergent and water solution. Always rinse and dry thoroughly before re-installing parts.
- Spray a light coating of vegetable cooking spray on the interior surfaces of your kettle for added protection, only when cool.

## ASH CATCHER

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- Always wait for ash and grease to cool before removing the ash catcher and dumping in a non-combustible container.
- Wash the ash catcher with soap and water, rinse and dry thoroughly before replacing.

## COOKING GRATE

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- Always perform a burn-off and clean-up with your brass grill brush, at the START of your cooking session, during preheat. Leftover oil on your cooking grate will help to protect it in between cooking sessions.
- If necessary, wash cooking grate with soap and water. Do not immerse grate in water.
- Rinse and dry thoroughly with a towel.

## STORAGE

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- Once all surfaces are clean and dry, cover your kettle with a full length cover to protect surfaces from dirt and moisture. If storing for long periods, it is recommended to remove the cooking grate and charcoal grates and store in a dry place.
- If storing your barbecue in a garage or on a concrete floor, it is recommended to place a large piece of cardboard underneath the barbecue to protect from moisture.
- Always store charcoal in a cool, dry place.

## COOKING TIPS

- All vents must remain OPEN during lighting and cooking.
- Meat thermometers help you make sure that meats are cooked to the desired temperature.
- Prevent food from sticking and protect your grates from moisture by spreading vegetable oil or shortening on a COLD, UNLIT cooking grate.
- Trimming fat from meat helps to avoid flare-ups and makes for healthier food.
- Apply sauces at the end of the cooking.
- Leave space around each food item on the grate to allow for even cooking and smoke penetration.
- Turn meat just once on the grill. For steaks, turn them when the juices start to bubble on the uncooked side. The clearer the juice, the more well-done the meat.
- Avoid cross contamination. Use separate trays for uncooked and cooked food.
- Brush the grilling surface (once it's cooled) with a wired brush to remove any stuck on food.
- If the charcoal is damp or wet, we recommend discarding it, as the performance will be drastically reduced.

### **NOTE:**

Assume that it will take at least 1 hour for your charcoal to extinguish and your barbecue to cool down. There is not an ON or OFF switch for a charcoal fire. Always be cautious about making any assumptions about when the fire is completely out and completely cool.



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### **WARNING**

For your families safety, do not attempt to light the kettle until you have reviewed this manual.

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### **WARNING**

Lid, lid handle and fire bowl may be hot to the touch. Always wear protective, heat resistant grilling gloves while using your barbecue.

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CUSTOMER SERVICE

## **STOP**

**Do not return this product to the store.**

**IF YOU NEED HELP OR PARTS, CALL THE COLEMAN® HOTLINE**

**1-800-275-4617**

**HOURS: 10AM-7PM EST Mon-Fri, CLOSED Saturday and Sunday**

### **GET HELP FOR:**

MISSING/DAMAGED PARTS • ASSEMBLY • TROUBLESHOOTING  
• WARRANTY ASSISTANCE • PRODUCT INFORMATION

**TIP: ASSEMBLE YOUR GRILL IMMEDIATELY. MISSING OR DAMAGED PARTS  
MUST BE CLAIMED WITHIN 30 DAYS OF PURCHASE.**



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# REVOLUTION™

## WARRANTY

**STOP**  
Do not return this product to the store.

**IF YOU NEED HELP OR PARTS, CALL THE COLEMAN® HOTLINE**

**1-800-275-4617**

**HOURS: 10AM-7PM EST Mon-Fri, CLOSED Saturday and Sunday**

**GET HELP FOR:**

MISSING/DAMAGED PARTS • ASSEMBLY • TROUBLESHOOTING  
• WARRANTY ASSISTANCE • PRODUCT INFORMATION

**TIP: ASSEMBLE YOUR BARBECUE IMMEDIATELY. MISSING OR DAMAGED PARTS  
MUST BE CLAIMED WITHIN 30 DAYS OF PURCHASE.**

### **BARBECUE SAFETY CHECK-LIST**

For your family's safety, please check the following:

- READ and UNDERSTAND the owner's manual and safety instructions.
- DO NOT position or operate barbecue under overhang or unprotected construction, against a wall, near aluminum siding, windows, or fencing.
- CHECK that the regulator nipple is centered into the LP tank valve. Do NOT cross thread this connection. Cross threading may result in a fire, or explosion at the tank connection.
- PERFORM LEAK TEST on all connections as specified in this user manual. Leak Checks should be performed on all new barbecue's even if assembled by an assembler or gas technician. Leak checks should be performed frequently thereafter.
- BEFORE OPENING THE GAS SUPPLY, ensure the lid is open, control knobs are in "OFF" position, gas is turned off, and the regulator is attached to tank correctly. Then follow the PROPER LIGHTING PROCEDURE as shown in the manual. If above steps are not followed, you may experience low flames, or other performance issues.
- Beware HOT SURFACES including lid, lid handle, side tables, and control panel. Wear protective gloves while barbecuing.
- Remove and clean the grease channel, front grease cup, side grease cup, and the heat distribution plates, to avoid grease fires and flare ups.
- Remove and clean the burners to avoid flash fires caused by spider webs and blockages.
- Ensure that the barbecue is level.



# SAFE USE & CARE MANUAL

## **THIS MANUAL MUST REMAIN WITH THE PRODUCT AT ALL TIMES**

To ORDER non-warranty replacement parts or accessories,  
or to register your warranty, please visit us on the web at  
[www.colemanbbqs.com](http://www.colemanbbqs.com)

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### **⚠ CAUTION**

Read and follow all safety statements, assembly instructions, use and care directions before attempting to assemble and cook.

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### **⚠ INSTALLER OR ASSEMBLER/ CONSUMER**

This manual should be kept with the barbecue at all times.

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### **⚠ WARNING**

Failure to follow all of the Manufacturer's instructions could result in hazardous fires, explosions, property damage, or serious personal injury or even death.

Follow all leak check procedures carefully prior to operation of barbecue, even if barbecue was dealer assembled. Do not try to light this barbecue without reading the Lighting Instructions section of this manual.

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### **⚠ DANGER**

1. If you smell Gas:
  - a. Shut off gas to the appliance.
  - b. Extinguish any open flame.
  - c. Open lid.
  - d. If odour continues, keep away from the appliance and immediately call your gas supplier or your fire department.
2. Do not store or use gasoline or other flammable liquids or vapours in the vicinity of this or any other appliance.
3. An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

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### **⚠ CAUTION**

IN DIRECT SUN, AND IN OPERATION, YOUR BARBECUE'S STAINLESS STEEL AND PAINTED STEEL PARTS CAN BECOME VERY HOT.

**THIS BARBECUE IS FOR OUTDOOR USE ONLY**

## **⚠ CAUTION**

Some parts may contain sharp edges, especially as noted in the manual. Wear protective gloves during assembly and usage of this appliance.

For residential use ONLY. Do not use for commercial cooking.

## **⚠ WARNING**

Do not attempt to repair or alter the hose and regulator or valve assembly for any assumed defect or for any type of retro fit or conversion. Any modifications to this assembly will void your warranty and create the risk of a gas leak and fire. Use only authorized replacement parts supplied by the manufacturer, for your model.

To ensure your satisfaction and for follow-up service,  
register your barbecue online at  
**[www.colemanbbqs.com](http://www.colemanbbqs.com)**

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## INSTALLATION

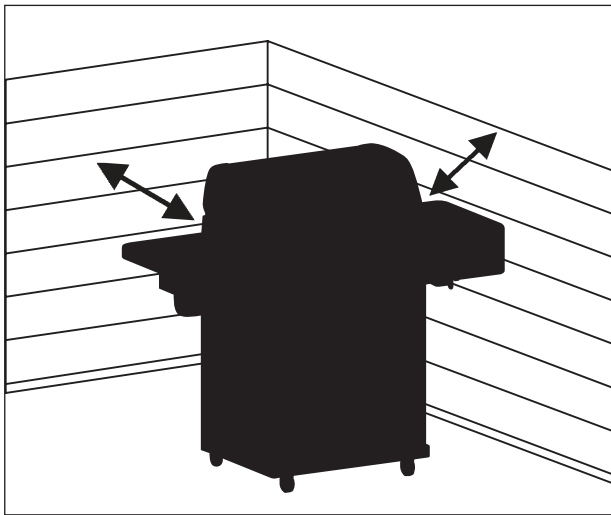
Installation must conform with local codes or, in the absence of local codes, with either the National Fuel Gas Code, ANSI Z223.1/NFPA 54, Natural Gas and Propane Installation Code, CSA B149.1, or Propane Storage and Handling for Recreational Vehicles, ANSI A 119.2/NFPA 1192, and CSA Z240 RV Series, Recreational Vehicle Code, as applicable.

## ADDITIONAL WARNINGS

### Minimum clearance to adjacent combustible materials:

**Minimum of 36" (91.44 cm) from furthest protruding edge on all sides of the barbecue.**

- **DO NOT** operate this barbecue under or near any overhanging or unprotected construction, aluminum siding, windows, or fencing.
- **DO NOT** use in enclosed spaces such as carport, garage, porch or covered patio.
- **DO NOT** obstruct the flow of combustion and ventilation air to the barbecue.
- **DO NOT** place barbecue against a wall or other solid structure.
- **DO** always keep the area around this barbecue clean and clear of any and all combustible materials such as gasoline or other inflammable liquids, paper or oily rags.
- **DO** remember this barbecue is for **outdoor use only** and is **not** for use on any boat or recreational vehicle.
- **DO** use this barbecue outdoors in a well-ventilated area, at least 36" (91.44 cm) from any dwelling or building.
- **DO** always close LP cylinder valve and remove coupling nut before moving LP cylinder from specified operating position.
- **DO** check burner flames regularly.
- **DO NOT** attempt to light burner with lid closed. A buildup of non-ignited gas inside a closed barbecue is hazardous.
- **DO NOT** leave your barbecue unattended while in operation.
- **DO NOT** use while under the influence of drugs or alcohol.
- **DO NOT** store any spare LP (propane) cylinder, full or empty, under or near your barbecue.
- **DO NOT** allow children or pets to play anywhere near the barbecue.
- **DO NOT** block ventilation holes in the sides or back of barbecue.
- **DO NOT** use charcoal or ceramic briquettes in this gas barbecue.
- **DO NOT use barbecue until a leak-test and a safety check is completed.**



Minimum clearance of 36" on both sides and rear of the barbecue.

**DO** ensure barbecue is positioned on level surface.

## L.P.GAS CYLINDER REQUIREMENTS

**DO NOT connect to a propane cylinder exceeding 9.1 kg (20 lb) capacity or use a cylinder with any other type of cylinder valve connection device.**

LP-gas supply cylinder must be constructed and marked in accordance with the specifications for LP-gas cylinders of the U.S. Department of Transportation (DOT) or the National Standard of Canada, CAN/CSA-B339, Cylinders Spheres and Tubes for the Transportation of Dangerous Goods.



## GAS HOOK-UP'S AND WARNINGS

### (LP) LIQUID PETROLEUM GAS

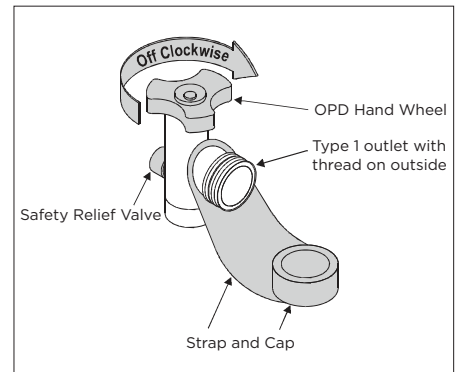
- LP gas is nontoxic, odourless and colourless when produced. **For Your Safety**, LP gas has been given an odour (similar to rotten cabbage) so that it can be smelled.
- LP gas is highly flammable and may ignite unexpectedly when mixed with air.

#### LP cylinder requirements:

- Use LP cylinder **only** with these required measurements:
- 12" (30.5cm) (diameter) x 18" (45.7 cm) (tall) with 20 lb. (9 kg) capacity maximum.
- LP cylinders must be constructed and marked in accordance with specifications for LP cylinders of the U.S. Department of Transportation (DOT) or the National Standard of Canada, CAN /CSA-B339, Cylinders spheres and tubes for transportation of dangerous goods. See LP cylinder collar for marking.

#### LP cylinder valve must have:

- **Shut-off valve** with a correct cylinder valve output as specified in current standards. ANSI Z21.58-2015 / CSA 1.6-2015 Outdoor Cooking Gas Appliances.
- Type 1 outlet compatible with regulator or barbecue. The type 1 valve is easily recognized by the large external thread on the outside of the valve.
- Safety relief valve with direct connection to the vapour space of the cylinder.
- **UL listed Overfill Protection Device (OPD)**. This OPD safety feature is identified by a unique triangular hand wheel. Use only LP cylinders equipped with this type of valve.



- A device **for vapor withdrawal**.
- A **collar to protect the LP tank shut off valve**.
- A **ring on the bottom** of the LP tank to secure it to the support assembly.
- 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.

### **⚠ WARNING**

**Any attempt to connect a regulator to any connectors other than the mating TYPE -1 connector could result in fires, explosions, injuries, or property damage. Use only LP cylinders equipped with this type of valve.**

**DO NOT connect to a propane cylinder exceeding 9.1 kg capacity or use a cylinder with any other type of cylinder valve connection device.**

**Before opening LP cylinder valve, check the coupling nut for tightness.**

### **DANGER**

- NEVER store a spare LP 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 barbecue cart enclosure that would block the flow of combustion air to the underside of either the control panel or the burner box.
- If you see, smell or hear gas escaping, immediately get away from the LP cylinder/appliance and call your fire department.



## LP GAS WARNINGS:

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- Always turn cylinder valve off when the barbecue is not in use.
- Always handle the tank valve with the utmost care.
- Never connect an unregulated LP gas cylinder to the barbecue.
- Always keep the cylinder, in use, securely fastened in an upright position.
- Never expose the cylinder to direct sunlight or excessive heat.
- Never insert any kind of object into the valve outlet as this may cause damage to the Backcheck. A damaged Backcheck can leak resulting in fires, explosions, property damage, severe injuries or death.
- Do not store an LP cylinder in enclosed spaces such as a carport, garage, porch, covered patio or other building. Make sure the storage area has a lot of ventilation.
- Do not store an LP cylinder in an area where children play.

## L.P. CYLINDER REMOVAL, TRANSPORT AND STORAGE

### Before disconnecting the LP cylinder:

1. Turn "OFF" all control knobs and the LP cylinder valve.
  2. Turn coupling nut counterclockwise by hand only - do not use tools to disconnect. Remove LP Cylinder from inside cart.
  3. Install safety cap onto LP cylinder valve. Always use cap supplied with tank valve.
- Failure to use safety cap as directed may result in serious personal injury and/or property damage.

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### **WARNING**

**When transporting and storing the cylinder, make sure it is in an upright position and not on its side. Do not smoke around cylinder, especially when transporting in a vehicle.**

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## L.P. CYLINDER FILLING

- Use only licensed and experienced dealers.
- Ensure that the dealer checks and tests the tank for leaks after filling.
- LP dealer **must purge new cylinder** before filling.
- Dealer should **NEVER** fill LP cylinder more than 80% of LP cylinder volume. Volume of propane in cylinder will vary by temperature.
- Do not release liquid propane (LP) gas into the atmosphere. This is a hazardous practice.
- To remove gas from LP cylinder, contact an LP dealer or call a local fire department for assistance.

---

### **WARNING**

**If the above instructions are not completely adhered to, it could cause a fire/explosion, resulting in death or serious injury, or property damage.**

### **CAUTION**

**A frosty regulator indicates gas overfill. Immediately close LP cylinder valve and call local LP gas dealer for assistance.**

---

## SAFETY HOSE AND REGULATOR

### PROPANE MODELS:

Your barbecue is designed to operate on LP gas at a pressure of 2.74Kpa (11" water column). A regulator preset to this pressure is supplied with your barbecue.

### QCC-1 QUICK CLOSING COUPLING

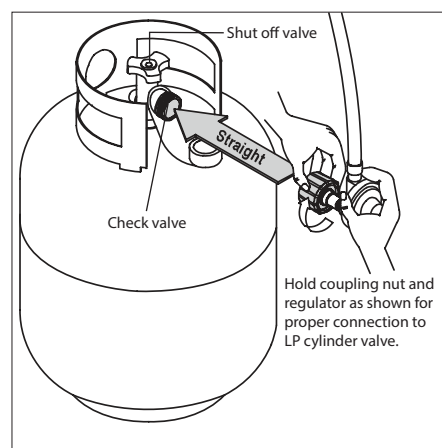
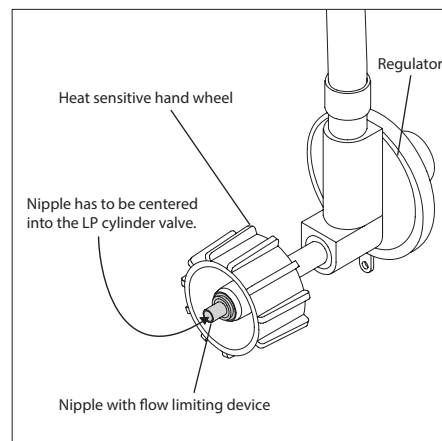
All models are designed to be used with an LP gas cylinder equipped with the new QCC-1 Quick Closing Coupling system.

The QCC-1 system incorporates new safety features required by the Canadian Standards Steering Committee.

- Gas will not flow until a positive connection has been made.
- A thermal element will shut off the flow of gas between 240 degrees and 300 degrees F.
- When activated, a Flow Limiting Device will limit the flow of gas to 10 cubic feet per hour.

### Connecting Regulator to the LP Cylinder

1. LP cylinder must be properly secured onto barbecue.
2. Turn all control knobs to the "OFF" position.
3. Turn LP cylinder "OFF" by turning hand-wheel clockwise to a full stop.
4. Remove the protective cap from LP cylinder valve. Always use cap and strap supplied with valve.
5. Hold regulator and insert nipple into LP cylinder valve. Hand tighten the coupling nut. Hold the regulator in a straight line with LP cylinder valve so as not to cross-thread the connection.
6. Turn the coupling nut clockwise and tighten to a full stop. The regulator will seal on the back-check feature in the LP cylinder valve, resulting in some resistance.



### NOTE:

If you cannot complete the connection, disconnect regulator and repeat steps 5 and 6. If you are still unable to complete the connection, **do not use this regulator!**

### **⚠ DANGER**

**Do not insert any tool or foreign object into the valve outlet or safety relief valve. You may damage the valve and cause a leak. Leaking propane may result in explosion, fire, severe personal injury, or death.**

### Regulator Flow Limiting Device

If you are experiencing any of the following performance issues you may have activated the flow limiting feature in your regulator:

- Burners not getting hot enough
- Low or incomplete burner flames
- Low gas pressure
- Burners not staying lit

### Resetting the Regulator Flow Limiting feature (Propane Barbecues)

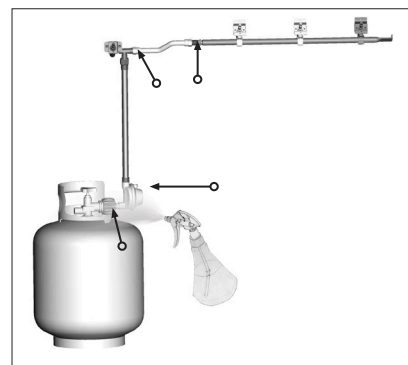
1. With all control knobs and the gas source in the "OFF" position, open the barbecue lid.
2. Disconnect the hose and regulator from the propane tank.
3. Turn all barbecue control knobs to the "MAX" (🔥) position, and let stand for 1-3 minutes, allowing all excess gas in valves and manifold to dissipate.
4. Turn all barbecue control knobs back to the "OFF" position.
5. With the barbecue lid still OPEN, reconnect the hose and regulator to the propane tank- Do not cross thread the connection. Hand-tighten only.
6. Check all hose connections to ensure that a positive seal has been made.

7. Slowly turn “ON” the propane gas supply, 1/4 to ½ a turn.
8. Wait approximately 5 seconds for the hose and regulator pressure to stabilize (to prevent the flow limiting device feature from being re-activated).
9. Turn the ignition burner control knob, to the “MAX” (🔥) position.
10. Press the electronic ignition button, or use the match and match holder, or a barbecue lighter to ignite the burner.

**Avoid activating the Flow Limiting Feature** by following the proper start up and shut down procedures and performing a complete leak test and safety check to ensure that there are no leaks in the system, and that a positive connection has been made between the gas source and manifold assembly.

## LEAK TESTING THE VALVE, HOSE AND REGULATOR ASSEMBLY

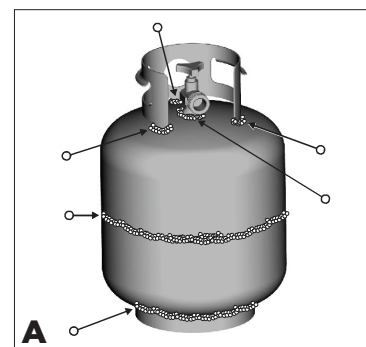
1. Turn all control knobs “OFF”.
2. Ensure that the regulator is tightly connected to LP cylinder.
3. Brush soapy solution onto hose and regulator and all connections from the LP tank to the main and side burner manifold.
4. Completely open LP cylinder valve by turning hand wheel counterclockwise. If you hear a rushing sound, turn gas off immediately. There is a leak at the connection. **Correct before proceeding.**
5. If “growing” bubbles appear, there is a leak. Close LP cylinder valve immediately and re-tighten connections. **If leaks cannot be stopped do not try to repair.** Call for replacement parts. Order new parts by providing the serial number, model number, name and part number of items required (see parts list) to a **Coleman® Customer Care Agent 1-800-275-4617.**
6. Always close LP cylinder valve after performing leak test by turning hand wheel clockwise.



### LP Cylinder Leak Test For Your Safety

**ATTENTION: Leak Test must be repeated each time the LP cylinder is exchanged or refilled.**

- Do not smoke during leak test.
- Do not use an open flame to check for gas leaks.
- Barbecue must be leak tested outdoors in a well ventilated area, away from ignition sources such as gas fired electrical appliances. During leak test, keep your barbecue away from open flames or sparks.
- Use a clean paint brush and a 50/50 mild soap and water mixture.
- Brush soapy solution onto areas indicated by arrows in figure A.



### **⚠ ATTENTION**

**If it is evident there is excessive abrasion or wear, or the hose is cut, it must be replaced prior to the outdoor cooking gas appliance being put into operation. The replacement hose assembly shall be that specified by the manufacturer.**

### **⚠ WARNING**

**For all new, at home, natural gas connections please contact a certified gas technician to install your natural gas barbecue.**

## FOR NATURAL GAS MODELS ONLY

All Coleman® Natural Gas Barbecues come equipped with a 10' Natural Gas hose with a quick connect socket connection. This will allow you to attach your barbecue to your residential gas line.

### To Connect

1. Push back the sleeve on the quick connect socket, insert the plug and release the sleeve.
2. Push the two pieces together until the sleeve snaps forward, to lock the plug in the socket.

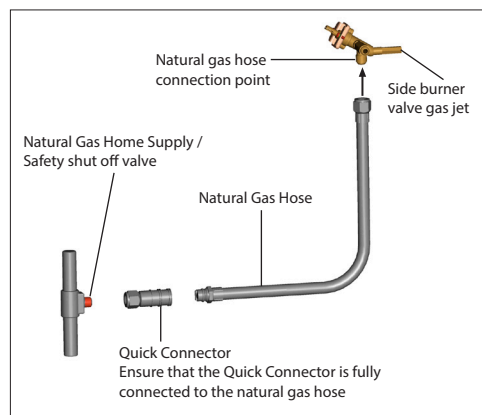
### To Disconnect

1. Push sleeve back and pull the plug out.

### Testing For Gas Leaks

#### Before attempting to operate this barbecue:

- Always confirm that all burner control knobs are in the “OFF” position.
- Always connect the gas supply hose first, open lid and then open the gas shutoff valve.
  - Always use a brush or spray bottle to apply a 50/50 solution of liquid soap and water to all connection points, to test for gas leaks. Never use a match or open flame for that purpose.
  - Always look for bubbles to appear, as the appearance of bubbles will indicate a gas leak.
  - Always turn off the gas immediately and tighten the connection, if you find that a leak has been detected.
  - Before lighting the barbecue, always repeat this procedure until no further gas leaks are found.
  - If a leak cannot be stopped, do not attempt to light the barbecue. Always contact a certified Natural Gas technician for assistance or the Coleman® Customer Care Agent 1-800-275-4617.



### NEW Natural Gas Barbecue

If you are experiencing poor natural gas barbecue performance, including but not limited to low flame, low heat or poor heat distribution, please review the following information:

- Always consult the Rating Label on the back of the barbecue to confirm that it has already been configured to burn natural gas.
- If experiencing performance issues with a brand new barbecue hooked up to an older natural gas home connection, it is possible that the natural gas supply line is not able to supply up to the essential 85,000 BTU's required (depending on the model). Please contact Coleman® Customer Care for requirements and then consult with your certified natural gas technician.
- All gas supply plumbing must be carried out by a qualified service agency. The Supply connection shall be carried out in accordance with provincial authorities having jurisdiction, and in accordance with CAN/CGA 1-B149.1 & 2 installation code requirements.
- A shut off valve must be installed between the barbecue and the main supply. **For natural gas, use a 3/8" natural gas supply line capable of an input of up to 85,000 BTU's (depending on the model).**
- **When conducting pressure test always isolate the barbecue from the gas supply piping system by disconnecting the barbecue and closing its individual manual shutoff valve. The gas supply piping system should be tested at pressures which exceed 1/2 psi (3.5kPa).**
- All gas supply plumbing must be able to supply 7" water column to the barbecue WITH ALL BURNERS IN OPERATION.

### Resetting Flow Limiting Device (Natural Gas Models)

If you are experiencing low heat performance issues, you may have activated the flow limiting feature in your home's natural gas connection. To reset the flow limiting device, follow these steps:

1. Open barbecue lid.
2. Ensure that the control knobs are in the “OFF” position.
3. Ensure that the Natural Gas Supply valve is in the “OFF” position at the Home Connection.
4. Disconnect the Natural Gas Supply hose by separating the Quick Connect Assembly at the Home connection.
5. Turn all control knobs to the “MAX” (🔥) position.
6. Reconnect the Natural Gas Supply hose by securing the Quick Connect assembly connection.
7. Using your hands only, check all connections to confirm that positive seal has been made.
8. Turn the knobs to the “OFF” position.
9. Slowly turn ON the Natural Gas Supply valve to the “ON” position.
10. Wait 30 seconds for the gas pressure to stabilize (60 seconds in cold weather).
11. Turn on the ignition burner control knob, to the “MAX” (🔥) position and wait 3 to 5 seconds.
12. Press the electronic ignition button, or use the match and match holder to ignite the selected burner (Barbecue lighter).
13. Repeat steps if not successful on first try.

## **⚠ WARNING**

**Most Coleman barbecue's are sold either Natural Gas or Propane Ready, and are not convertible. Any attempt to convert a barbecue that does not have a convertible valve system will permanently damage the barbecue's manifold and will be unusable.**

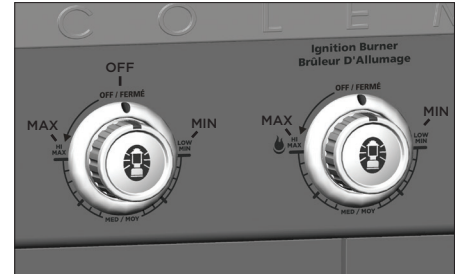
**ONLY barbecue's bearing the Convertible Valve System logo on the front of the barbecue's control panel, are convertible from propane to natural gas. Visit [www.cvsbbq.com](http://www.cvsbbq.com) to see if your barbecue has this feature.**

## **OPERATION – LIGHTING INSTRUCTIONS**

### **Lighting – Burners:**

1. Open the lid.
2. Make sure all burner control knobs are turned “OFF”. (Push the control knob in and turn clockwise, to ensure that the control knob is in the “OFF” position.)
3. Turn the LP tank valve ON slowly (turn counter clockwise). Wait for pressure to stabilize for 5 seconds.
4. Light the ignition burner first. Push in and turn control knob counter clockwise to “MAX” position (🔥).
5. Push the INSTASTART™ ignition button. You should hear rapid clicks. Repeat if necessary.
6. Check that the burner is lit.
7. After the burner is lit you can turn on the other burner control knobs.

If the Revolution™ burner fails to light properly within 3-5 seconds, turn the burner control knob “OFF”. Also turn off the LP cylinder valve. Wait five minutes before attempting to light the burner again. This will allow time for released gas to disperse.



## **⚠ WARNING**

**The burner control knobs must be in the “OFF” position before turning on the liquid propane cylinder tank valve. If left in the “ON” position, when the LP cylinder valve is opened, the “Flow Limiting Device” feature will activate, limiting the flow of gas from the LP cylinder. If this should occur, turn “OFF” the LP cylinder valve and burner control knobs and follow the “Resetting the flow limiting device instructions”.**

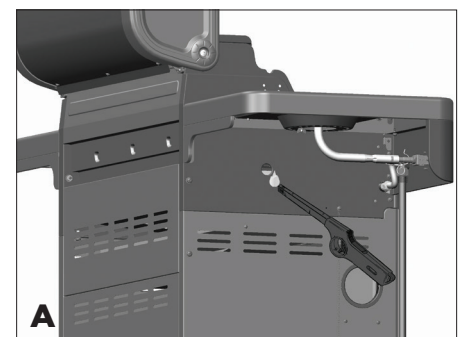
## **⚠ WARNING**

**Never stand with your head directly over the barbecue when preparing to light the main burners, to prevent possible bodily injury.**

### **Match-lighting – Burners**

Repeat steps 1-3 “Lighting - Burners” above.

4. To match light: push in and turn the far left burner control knob counter clockwise to the “MAX” position (🔥).
5. Immediately strike a match or use a butane lighter, and position through the lighting hole on the left side of the burner box. Shown in figure A. Check to ensure that the burner is lit.
6. To light the other burners, press in and turn the nearest control knob. The flame will track around the burner and light via the carryover tubes. Allow the barbecue to preheat with the barbecue lid closed for 10-15 minutes before cooking.



Model may not be exactly as shown.

### **Lighting- Side Stove / Sear Stove (if applicable)**

1. Open the side burner lid.
2. Check that the side burner valve is turned “OFF”.
3. Turn the LP tank valve “ON” slowly (turn counter clockwise). Wait for pressure to stabilize for 5 seconds.
4. Push down and turn the side burner control valve to “MAX” (🔥).
5. Press the INSTASTART™ Ignition button. You should hear rapid clicks. Check to ensure that the burner is lit. Repeat if necessary.

**The side burner lid is for storage only. Wait until cool before closing.**



---

**⚠ CAUTION**

Side burner flame may be difficult to see on a bright sunny day.

**⚠ CAUTION**

If side burner fails to light immediately, turn burner control knobs “OFF” and wait 5 minutes before re-lighting with a match.

---

**Match lighting the Side Stove / Sear Stove (if applicable)**

1. Open the side burner lid.
2. Check that the side burner valve is turned “OFF”.
3. Turn the LP tank valve “ON” slowly (turn counter clockwise). Wait for pressure to stabilize for 5 seconds.
4. Put match in a match holder and strike match.
5. Push down and turn the side burner control valve to “MAX” (🔥).
6. Hold match holder and lit match by left side of side burner.



Side Stove



Sear Stove

\*Models may not be exactly as shown.

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**⚠ CAUTION**

If ignition does NOT occur in 5 seconds, turn the burner controls “OFF”, wait 5 minutes and repeat the lighting procedure. If the burner does not ignite with the valve open, gas will continue to flow out of the burner and could accidentally ignite with risk of injury. Turn controls and gas source “OFF” when not in use.

**⚠ ATTENTION**

Always preheat barbecue before starting to cook. Light all burners and adjust them to the “MAX” position for 5 to 10 minutes with the lid closed. Following preheat; adjust the controls to “MED” setting for most cooking requirements.

---

**To EXTINGUISH**

1. Push in and turn each burner control knob clockwise to the “OFF” position.
2. Turn off the LP Cylinder valve by turning the hand wheel in a clockwise direction until it stops.

---

**⚠ WARNING**

If the heat output is too low, the “Flow Limiting Device” may have been activated by a gas leak or improper lighting procedure. If so, turn “OFF” the burner valve and cylinder valve, and perform a “Leak Test”. If there are no leaks, perform a complete regulator Flow Limiting Device reset.

---

### **⚠ ATTENTION**

**Once lit, confirm that the burner is properly lit and that the flame pattern is as desired. If the flame pattern is other than normal, consult the troubleshooting guide for corrective action.**

#### **Burner Flame Check**

Always do a visual check of all burners prior to lighting. Burners have been factory set for the correct air and gas mixture. The correct flame pattern is shown in figure A. If you experience one of the following symptoms, follow the burner cleaning procedure outlined in the maintenance section of this manual, or reset the regulator flow limiting device.

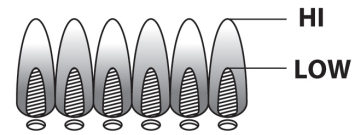


Figure A

- Large, unruly, or irregular orange burner flames.
- The smell of gas in conjunction with orange and lazy burner flames.
- Barbecue does not reach temperature.
- Barbecue heats unevenly.
- One or more of the burners do not ignite.

#### **Flare-Ups**

Your barbecue comes equipped with Flare-Free Technology™ which will eliminate most flare-ups when the system is properly maintained. However, it is possible when cooking excessively fatty or saucy dishes that grease and sauce, not captured by the top or bottom grate, may fall onto key parts, causing flare-ups. See page 13 for maintenance instructions.

**Flare-ups occur when food drippings fall onto heat plates or burners, and ignite. To avoid flare-ups, do the following:**

- Trim fat from meats before grilling.
- Always apply sauces after cooking.
- Always cook with the lid down, and cook at the lowest most efficient heat setting.
- Ensure key parts, such as: heat plates, cooking grates, and the burner box are cleaned regularly to eliminate grease build up. A sudden increase in flare-ups will indicate the need to perform the regular maintenance schedule to the components of the Flare-Free Technology™ system.

### **⚠ WARNING**

**Always monitor the barbecue carefully while cooking and turn the flame level down to low, or off, if flare-ups intensify.**

**Flare-ups can increase the temperature of the barbecue, increasing the risk of a grease fire. Keeping your barbecue clean, and regularly checking for obstructions, including; spider webs, will ensure that your family is protected from serious safety hazards, such as; flash-back and grease fires.**

#### **Grease Fires**

Regular maintenance of the Flare Free Technology™ system will ensure that minimal amounts of grease accumulate on key parts, minimizing risk of a grease fire. See page 14 for maintenance instructions.

##### **Characteristics of a Grease Fire**

- A fire burning inside the **barbecue** burner box that may become uncontrollable, if not monitored.
- Usually accompanied by high flames, a lot of smoke and black soot.

##### **Prevent Grease Fires:**

- Remove grease build-up on key parts such as heat distribution plates, cooking grates, grease drainage channel, and burner box.
- Frequently empty the side grease tray located on the right side of the burner box.
- Always reducing cooking temperature to “MED” or “LOW” heat, following PREHEAT.
- Perform a burn-off of grease following each barbecue session, by adjusting your barbecues temperature to “MAX” (🔥), and letting it stand for 10-15 minutes with the lid closed.



## Flash-Back Fires

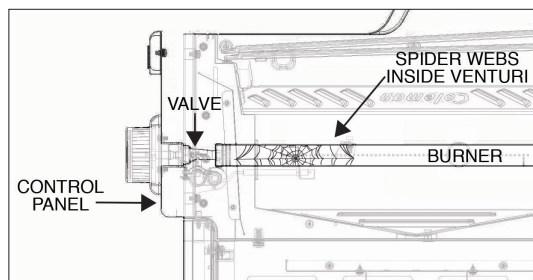
Spiders and insects are attracted to the smell of gas, and often build nests inside your barbecue's burners, causing the potential risk of a Flash-Back fire. Lighting your burners without first cleaning the venturi tubes, port holes, and interior of your burners, can lead to a serious Flash-Back fire resulting in property damage and/ or personal injury.

### Characteristics of a Flash-Back fire

- A fire or flash of fire burning outside of the burner box, usually visible behind or under the control panel
- Burners may burn with large yellow flames
- Burners may not light
- Hot or melting control knobs

### Prevent Flash-Back fires by:

- Remove burners to clean and check for blockages
- Clean tip of valve gas jet to remove any build-up or blockages
- Remove control panel to inspect manifold and valves for damages or leaks



### **WARNING:**

**At first sight of yellow, unruly flames, or poorly lit burners, shut down your barbecue and remove and clear obstructions, like insect webs, from your burners and valve gas jet.**

## FOR YOUR SAFETY

- **DO NOT** throw water on a fire
- **DO** keep baking soda handy to extinguish a fire
- **DO** follow all warnings and safety checks outlined in the **Safety & Care Manual** and **Assembly Manual**
- **DO protect your family and home by performing the cleaning and maintenance steps outlined in this manual**

For more information regarding these issues please visit us at [www.colemanbbqs.com](http://www.colemanbbqs.com)

## Lighting - NEVER A PROBLEM with InstaStart™ Technology

The most DURABLE & RELIABLE Ignition in the barbecue industry. Flawless operation, even in the harshest environment.

DURABLE - Sealed battery chamber for complete waterproof-ness!

LONG LASTING - Components built for Canadian winters.

RELIABLE - A fail-safe start every time!

### Resolving InstaStart™ Ignition Performance Issues

1. Check to make sure that the **InstaStart™ Ignition Button**, located on the left side shelf fascia, makes a continuous clicking sound, when pressed.

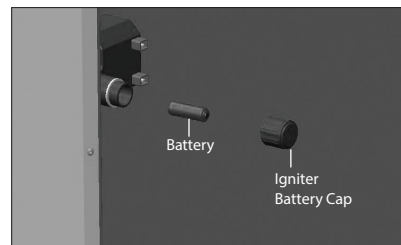
**If you hear no sound**

2. Replace the **battery** in the electronic ignition box. Positive end facing outwards.

3. Check the electronic ignition box and **InstaStart™ Ignition Button** for poorly engaged wires. **Loose wires are the most common failure.**

**Tip:** To ensure the proper connection, grasp wires between your thumb and index finger and push-in firmly, until you feel a 'Click'.

4. Check that the main electrode and side burner electrode spark when the **InstaStart™ Button** is pressed.



Replace the battery. Open the Lid. Press Ignition button and listen for rapid clicks.

### COLEMAN® REVOLUTION™ 3-BURNER / 4-BURNER



PROBLEM	IDENTIFYING THE CAUSE:
Burners will not light (with igniter or match)	<ul style="list-style-type: none"> <li>• Positive connection has not been made between the tank and the regulator.</li> <li>• Low or out of propane.</li> <li>• Gas supply valve is turned off.</li> <li>• Burners are not properly seated over valve orifices.</li> <li>• Flow limiting device in regulator has been activated. See Resetting the Regulator Flow Limiting Device on page 4 and 6.</li> </ul>
Burners will not light with the igniter (No spark)	<ul style="list-style-type: none"> <li>• Ignition battery is dead or corroded.</li> <li>• Loose Electrode Wires.</li> <li>• Broken electrode - ceramic casing around electrode damaged.</li> <li>• Faulty Electronic Ignition box.</li> </ul>
Fire at control knob and control panel = Flash Fire	<ul style="list-style-type: none"> <li>• Burner and/or burner tubes have a blockage.</li> <li>• Burner is improperly seated over gas jet.</li> </ul>
Yellow smokey flames/ gas odour can be smelled	<ul style="list-style-type: none"> <li>• Burner and/or burner tubes have a blockage.</li> </ul>

PROBLEM	IDENTIFYING THE CAUSE:								
Flame blows out on LOW	<p><b>PROPANE MODELS:</b></p> <ul style="list-style-type: none"> <li>• Flow limiting device in regulator has been activated either due to a leak or improper lighting. See page 4.</li> <li>• Low or out of propane.</li> <li>• High Wind condition - Adjust barbecue o shield from wind</li> <li>• Burner is improperly seated on gas jet.</li> </ul> <p><b>NATURAL GAS MODELS:</b></p> <ul style="list-style-type: none"> <li>• Installation issues. See Natural Gas Hook-Ups. and Warnings on page 6.</li> <li>• Not using the Natural Gas Hose supplied with this barbecue.</li> <li>• Flow limiting device has been activated. See page 6 (Natural Gas models).</li> </ul>								
Low heat	<p><b>PROPANE MODELS:</b></p> <ul style="list-style-type: none"> <li>• Flow limiting device in regulator has been activated either due to a leak or improper lighting. See page 4.</li> <li>• Make certain the problem is isolated to only one burner. If it appears so, the burner and/or burner tubes are blocked.</li> <li>• Check for a bent or kinked fuel hose.</li> <li>• In colder temperatures preheat for longer periods.</li> </ul> <p><b>NATURAL GAS MODELS:</b></p> <ul style="list-style-type: none"> <li>• Not using the Natural Gas Hose supplied with this barbecue.</li> <li>• Gas pressure is affected by the length and piping size of the gas line from the home. Follow the recommendations in the chart below. See natural gas hook-ups and warnings on page 6.</li> </ul> <table border="1" data-bbox="625 952 1474 1064"> <thead> <tr> <th colspan="2" data-bbox="625 952 1474 981">FROM HOME TO BARBECUE</th> </tr> </thead> <tbody> <tr> <td data-bbox="625 981 1038 1010">Up to 25'</td> <td data-bbox="1038 981 1474 1010">3/8" diameter</td> </tr> <tr> <td data-bbox="625 1010 1038 1039">26-50'</td> <td data-bbox="1038 1010 1474 1039">1/2" diameter</td> </tr> <tr> <td data-bbox="625 1039 1038 1068">51- 100'</td> <td data-bbox="1038 1039 1474 1068">2/3" of run 3/4" or 1/3"of run 1/2"</td> </tr> </tbody> </table>	FROM HOME TO BARBECUE		Up to 25'	3/8" diameter	26-50'	1/2" diameter	51- 100'	2/3" of run 3/4" or 1/3"of run 1/2"
FROM HOME TO BARBECUE									
Up to 25'	3/8" diameter								
26-50'	1/2" diameter								
51- 100'	2/3" of run 3/4" or 1/3"of run 1/2"								
Low or incomplete flame (assuming burners and Venturi tubes are free and clear of blockages)	<p><b>PROPANE MODELS:</b></p> <ul style="list-style-type: none"> <li>• Flow limiting device in regulator has been activated. Flow limiting device has been activated. See page 4.</li> </ul> <p><b>NATURAL GAS MODELS:</b></p> <ul style="list-style-type: none"> <li>• Installation issues. See Natural Gas Hook-Ups and Warnings on page 6.</li> <li>• Not using the Natural Gas Hose supplied with this barbecue.</li> <li>• Flow limiting device has been activated. See page 6.</li> </ul>								
Too much heat/ Excessive flare up	<ul style="list-style-type: none"> <li>• Grease build up around burner system causing dangerous flare ups and over-heating.</li> <li>• Cooking on the "MAX" setting, without adjusting temperature control.</li> <li>• Grease collection plate and grease cup need to be cleaned.</li> <li>• Covering more than 70% of the cooking surface may cause the barbecue to overheat.</li> <li>• Excessive fat on meat and cooking on high temperatures.</li> </ul>								
Inside of lid is peeling - like paint peeling	<ul style="list-style-type: none"> <li>• The interior lid is aluminum not painted. Baked on grease build-up has turned to carbon and is flaking off. Clean thoroughly.</li> </ul>								
Decreasing heat, "popping sound"	<ul style="list-style-type: none"> <li>• Out of propane.</li> <li>• Burner and/or burner tubes are blocked.</li> </ul>								
Humming noise from Regulator	<ul style="list-style-type: none"> <li>• Cylinder valve opened too quickly.</li> </ul>								
Melting gas supply hose	<ul style="list-style-type: none"> <li>• Your barbecue's gas supply hose and regulator contains a thermal element that will shut off the flow of gas between 240°F and 300 °F, by melting the supply hose and essentially disconnecting from the LP cylinder.</li> <li>• Poor ventilation caused by in-appropriate clearance at the sides and rear of the barbecue.</li> <li>• Overheating caused by high cooking temperatures and grease build-up.</li> <li>• Build up of grease in quick clean grease cup and tray.</li> </ul>								

### **CAUTION:**

**Always allow sufficient time for the barbecue to cool fully before handling or cleaning any of its parts.**

### What are the benefits of Flare-Free Technology™?

This system was designed to continuously capture, and channel all grease drippings from food, out to your front access grease cup. From the **angled, double grates with “U” shaped channels** the grease will flow into the **stainless steel front grease channel**, which immediately moves the grease to the **front access grease cup**.

**The benefits of this efficient removal of grease are many:**

- **Even Cook Surface Temperatures** – No hot and cold spots
- **Barbecue is Safer** – No more unpredictable flare-up fires
- **Barbecue is Easier to Control** – No more shuffling food on the cook surface
- **Barbecue is Easier to Clean and Maintain**
- **Always Perfectly Cooked Food** – No more under / over cooked meals
- **Food is Tastier** – No more burnt, bitter charring from flare-ups
- **Food is Healthier** – Less char and less smoke equals less unsafe carcinogens in food

### CARE and MAINTENANCE of your Flare-Free Cooking System

Regular maintenance of your Flare-Free Cooking System is necessary to avoid blockages in your cooking grates, blockages in your front grease channel, and ensure that all grease flows freely to the front grease cup, as designed.

Follow the Flare Free Technology™ care and maintenance instructions outlined below to ensure your system continues to offer you all benefits listed above.

### SEASONING COOKING GRATES

### **ATTENTION:**

**Season grates before first use.**

Seasoning your porcelain cast iron cooking grates will improve the cooking performance, create a non-stick surface, prevent damage and deterioration due to moisture and humidity, and extend the life of your cooking grates.

#### **How to season your Coleman® Flare Free, Porcelain Cast Iron Top Grate:**

1. Wash cooking grates with soap and water. Do not submerge grates in water.  
**NOTE: Soap and water is used to breakdown any buildup on the cook surface to prepare for seasoning.**
2. Rinse and dry thoroughly with a towel. If cleaning on a very hot day, allow grates to dry in the sun.
3. Coat entire cooking grate, top, bottom, sides and each rod with vegetable shortening. DO NOT use salted fat such as margarine, butter, or any non-stick cooking spray. Do not use olive oil as it burns off at high temperatures.
4. Place your porcelain cast iron grates in your barbecue for up to 20 minutes at Medium-low temperature to complete the seasoning process, or into your conventional oven on top of aluminum foil at 250°-300°F for 20 minutes.
5. **CRITICAL: the cooking grates must be allowed to cool down before handling and use.**

**Repeat seasoning steps several times in a season, or whenever they appear dry. Seasoning will permeate the pores of the grates with oil, and prevent water from penetrating the grates and causing early degradation of this part.**

### **ATTENTION:**

**For best Flare-Free Technology™ results ensure that barbecue is level.**

## Cleaning Flare-Free, Double-Stacked Cooking Grates

### During Preheat:

1. Locate the grate cleaning tool that came with your barbecue. Use the tool to push debris to the back of the burner box (figure A-1).
2. Use a barbecue brush to remove any remaining debris.

**Note: Using the cleaning tool to pull grease to the front of the cooking grates may clog the front grease channel and require more thorough cleaning of this part.**

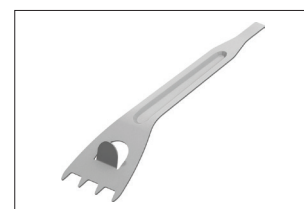


Figure A-1

**When build up is visible on the top and bottom cooking grates, perform a more thorough cleaning.**

1. When your barbecue has cooled is cooled follow steps 1 & 2 above.
2. Use the grate cleaning tool to lift the top layer of grates, as shown (figure B).
3. Repeat step 1 above for the second layer of grates (figure C).



Figure A

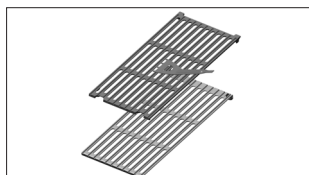


Figure B



Figure C



## Cleaning Flare-Free Grease Channel:

### When build up is visible:

1. Use grate cleaning tool to remove both layers of cooking grates.
2. Remove the grease channel shield.
3. Use the skinny end of the Grate Cleaning Tool to scrape debris out of the channel, into the front grease cup (figure D).

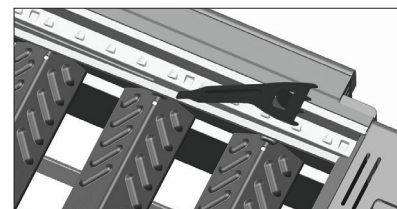


Figure D

### For more stubborn grease build-up:

1. Remove the grease drainage channel (figure E).
2. Use a cleaning brush to remove debris.
3. Clean with mild soap and warm water.
4. Dry thoroughly.
5. Re-install.

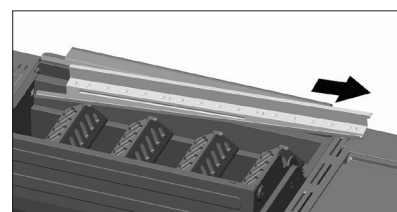


Figure E

## Cleaning Flare-Free, Front Grease Cup:

**The grease cup must be emptied regularly to prevent possible flare-ups, spillage, or grease fires.**

### Every Use:

1. Wait for grease to cool.
2. Remove grease cup and empty into compost (figure F).
3. Wash with mild soap and warm water.
4. Dry thoroughly.
5. Re-install.

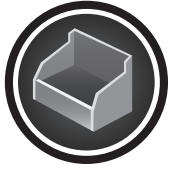


Figure F

**Note: Front grease cup is dishwasher safe.**

### **⚠ ATTENTION:**

If you are experiencing any of the following performance or safety issues: 1) barbecue not reaching temperature potential, 2) yellow burner flames, 3) the smell gas, 4) popping noises, 5) delayed burner ignition, 6) uneven heat, 7) flash fires, or 8) grease fires, **TURN "OFF" YOUR barbecue immediately and perform the following maintenance regime.**



#### **Burner Box**

1. Use a plastic scraper to remove build-up from inside the barbecue burner box
2. Scrape all of the grease to the evacuation opening, and into the side pullout grease cup.
3. At least once a season, wash the inside of the barbecue burner box with detergent and water solution. Always rinse and dry thoroughly before re-installing parts.



#### **Side Grease Cup**

The grease cup must be emptied regularly to prevent possible flare ups, spillage, or grease fires (figure G).

- Always wait for barbecue and grease to cool before removing the grease cup.
- Use a paint scraper to remove all build-up in cup.

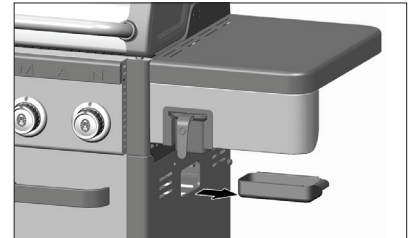


Figure G

**Avoid Flash-Back Fires, poor performance and pre-mature deterioration with regular burner checks and maintenance.**



#### **Burners**

1. Remove the hitch pins used to assemble the burners to the carryover assembly. Apply WD40 to make this removal easier. Use pliers to remove hitch pin.
2. Remove burners.
3. Brush the surface of the burner to remove surface debris.
4. Use a wire or paper clip to clean burner port holes. Do not damage or enlarge port holes.
5. Use a flexible Venturi Brush to clean the interior of all burners. Shake any loose debris out of the burner.

**Cleaning valve gas jet with burners removed, you will have access to your valves gas jets.**

1. Using a cotton swab clean the valve gas jet to remove any debris.
2. Re-install the burner. Ensure that the burner covers the valve gas jet.

**Avoid flare-up fires, grease fires and pre-mature deterioration, by keeping heat plates clean.**

#### **Heat Distribution Plates**

1. Remove heat plates.
2. Holding your heat plate over a large garbage receptacle, use a grill brush to remove debris.



### **⚠ ATTENTION:**

**Using a metal scraper to clean heat plates can cause damage to the porcelain coating.**

3. Clean away all remaining debris with mild soap and warm water.
4. Dry thoroughly.
5. Re-install.

## Caring for your Barbecues EXTERIOR SURFACES

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**ALL MATERIALS including stainless steel, porcelain, and painted steel parts can become stained, soiled and corroded by dirt, pollution, deposits from inappropriate cleaners and grease. Routine cleaning of exterior surfaces is necessary to remove contaminants and avoid permanent damage.**

### **Do's**

- **DO remove** dirt and contamination immediately to avoid permanent damage to stainless steel, porcelain, or painted surfaces.
- **DO** wipe down all surfaces frequently with a basic vinegar and water solution.
- **DO** test all cleaners on a small inconspicuous area to ensure that it is beneficial for surfaces.
- **DO** only use cleaners made specifically for outdoor products.
- **DO** use one of the following methods of cleaning:
  - Warm water and mild soap solution to remove all contaminants.
  - Warm water, detergent, solvent solution to remove grease buildup.
  - 50/50 mixture of vinegar and water for removing surface dirt and contamination.
  - Stainless Steel cleaner appropriate for outdoor products.
- **DO RINSE OFF** all cleaners, with clean warm water, and dry completely with a soft cloth.
- **DO** only use a soft clean cloth, when cleaning surfaces to avoid scratching finish.  
**Microfiber cloths are highly recommended.**

### **Don'ts**

- **DO NOT use any of the following cleaners:**
  - Chloride-containing detergents.
  - Abrasive cleaners.
  - Chemical cleaners as they may strip the paint, causing permanent damage.
  - Bleach or cleaners containing bleach. If accidental contact occurs wash immediately with baking soda and rinse thoroughly.
- **DO NOT use ordinary carbon steel brushes , steel wool or scouring pads as they may leave particles embedded on the surface which can lead to rust.**

For more cleaning and care tips, watch our videos on Youtube: [www.youtube.com/colemangrills](http://www.youtube.com/colemangrills) or visit our website [www.colemanbbqs.com](http://www.colemanbbqs.com)

## STORING YOUR BARBECUE

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To avoid the deterioration and degradation of parts, perform the following tasks prior to storing your barbecue for the season.

- Remove and clean all barbecue components as outlined in the Care and Maintenance section of this manual.
- Season cooking grates with vegetable shortening after cleaning and wrap them in a towel before storing them indoors. **DO NOT** leave in humid, moist or damp conditions, over a long period of time.
- If storing for the winter, or prolonged period, remove the igniter battery to avoid corrosion.
- When storing your barbecue in a garage, place a piece of cardboard underneath your barbecue to protect it from concrete moisture damage.
- If storing the barbecue indoors: the propane cylinder **MUST** be removed and stored outdoors, in a well ventilated area.
- If storing the barbecue outdoors: the propane cylinder valve must be turned "OFF".
- **DO NOT** under any circumstances store the barbecue with propane tank in the garage or near any heat source.
- Use a barbecue cover to help protect your barbecue.
- Please note: covering your barbecue will protect it from the effects of snow, rain, animal droppings and more, but will not protect against moisture damage, condensation, and other corrosive agents.





### **WARNING:**

**Always observe safe food handling and safe food preparation practices when using this barbecue, to prevent food-borne illnesses.**

### **Avoiding Cross Contamination**

Sanitize counters, equipment and utensils after handling raw meat, seafood or poultry. Rinse with a dilute chlorine bleach solution, one teaspoon to a quart of water. Avoid cross-contamination in preparing food.

- Always cook foods adequately. Undercooked foods can retain bacteria, especially if thawed or exposed to warm conditions prior to cooking.
- Always use a meat thermometer to confirm that foods have been fully cooked.
- Always use separate plates and utensils for the handling of raw food. Never place raw food and cooked food on the same plate, and never place cooked food on a plate that was used for handling raw food.
- Always carefully wash all plates and utensils used to handle raw food before using them to handle cooked food.
- Always wash all vegetables, seafood and poultry before cooking.
- Always leave uncooked foods in the refrigerator until you are ready to start cooking.
- Always marinate meat in the refrigerator. Always dispose of the excess marinade, and never reuse it.
- Always preheat your barbecue to the desired temperature before cooking, and clean all grease and food residue before using the cooking grates.

### **GRILLING TIPS:**



### **ATTENTION:**

**Cooking grates must be seasoned before first use. Refer to the instructions on page 13 . For best results use vegetable shortening.**

A few helpful hints will ensure that your grilling results are perfect every time!

- Apply a light coating of cooking oil or vegetable shortening to your cooking grates before grilling, to prevent foods from sticking.
- Always remove and clean heat distribution plates before preheating.
- Trim excess fat from meats and slit the remaining fat at two-inch increments to avoid flare-ups and curling. Fatty meats may be cooked indirectly on lower heat settings.
- Baste meat with barbecue sauce or other sugar-based sauces only during the last few minutes of cooking to prevent burning.
- Always preheat the appliance on “MAX” (🔥) to the desired temperature before adding food.

Coleman® Revolution™ Barbecues have been designed to offer a range of temperatures and unlike most barbecues , can quickly reach searing temperatures:

- **To Preheat:** depending on the foods you are preparing, always preheat your barbecue to the temperature required.
- If lower temperatures are required for slow cooking foods such as; chicken and pork ribs, ensure that you do not preheat to very high temperatures. Always target the temperature you need during preheat.

- Cook similar portion sizes together, so that they all cook evenly.
- Always ensure that the temperature is adjusted following preheat. “MAX” (🔥) is intended for fast pre-heating of the appliance, searing steaks and other cuts of meat.
- Medium heat is intended for most grilling, baking and roasting.
- Low heat is intended for warming, slow cooking, smoking or cooking delicate foods.
- Never pierce foods while they are cooking on the barbecue, as this will dry them out.
- Turn foods infrequently. Turn food only once, halfway through cooking time.
- Always cook with lid down to preserve the barbecue’s temperature.
- Apply salt only after cooking to prevent drying out the meat.



## BARBECUE COOKING METHODS

**Direct Cooking** — This is the most popular cooking method and involves cooking food directly over the flame, such as searing a steak.

**Indirect Cooking** — Food is placed on the cooking grates, offset from the heat source. With the barbecue lid closed reflected heat surrounds the food cooking it more evenly and gently. This method is perfect for roasts, but is also useful whenever you want to slow cook or bake a wide variety of foods. The barbecue lid should always be closed when using the indirect cooking method.

### ⚠ WARNING ⚠

To ensure that it is safe to eat, food must be cooked to the minimum internal temperatures listed in the table below.

AAFC* Safe Minimum Internal Temperatures	
Fish	145° F
Pork	160° F
Egg Dishes	160° F
Steaks and Roasts of Beef, Veal or Lamb	145° F
Ground Beef, Veal or Lamb	160° F
Whole Poultry (Turkey, Chicken, Duck, etc.)	165° F
Ground or Pieces Poultry (Chicken Breast, etc.)	165° F

\* Agriculture and Agri-Food Canada

## APPROXIMATE GRILLING TIMES

BEEF	Size	GRILLING TIME	INTERNAL TEMP
Steaks	3/4" (2cm) thick	3 to 4 min. /side	med rare 145°F (62°C)
		4 to 5 min. /side	med 160°F (71°C)
Kabobs	1" (2.5cm) cubes	3 to 4 min. /side	145°-160°F (62-71°C)
Hamburger patties	1/2" (12mm) thick	3 to 4 min. /side	med 160°F (71°C)
Roast, rolled rump	4-6 lbs. (1.8-2.7kg)	18 to 22 min /lb.	145°-160°F (62-71°C)
Sirloin tip	3 1/2--4 lbs. (1.5-1.8kg)	20 to 25 min. /lb.	145°-160°F (62-71°C)
Ribs, back	cut in 1-rib portions	10 min. /side	med 160°F (71°C)
	half, 2-3 lbs. (0.9-1.3kg)	10 to 12 min. /side	med rare 145°F (62°C)
Tenderloin	whole, 4-6 lbs. (1.8-2.7kg)	12 to 15 min. /side	med 160°F (71°C)
PORK	Size	GRILLING TIME	INTERNAL TEMP
Chops, bone-in	3/4" (2cm) thick	3 to 4 min. /side	med 160°F (71°C)
Chops, bone-out	1 1/2" (4cm) thick	7 to 8 min. /side	med 160°F (71°C)
Tenderloin	1/2-1 1/2 lbs. (0.2-0.6kg)	15 to 25 min. total	med 160°F (71°C)
Ribs (indirect heat)	2-4 lbs. (0.9-1.8kg)	1 1/2 to 2 hrs.	med 160°F (71°C)
VENISON	Size	GRILLING TIME	INTERNAL TEMP
Roast, saddle or leg	6-7 lbs. (2.7-3.1kg)	25 to 30 min. /lb.	145°-160°F (62-71°C)
Steaks	3/4" (2cm) thick	6 to 7 min. /side	med 160°F (71°C)
CHICKEN	Size	GRILLING TIME	INTERNAL TEMP
Broiler fryer (indirect heat)	3-4 lbs. (1.3-1.8kg)	60 to 75 min.	in thigh 180°F (82°C)
Cornish hens	18-24 oz. (510-680g)	45 to 55 min.	in thigh 180°F (82°C)
Breast halves, bone-in	6-8 oz. (170-226g) each	10 to 15 min. /side	170°F (77°C)
Breast halves, boneless	4 oz. (113g) each	6 to 8 min. /side	170°F (77°C)
Legs or thighs	4-8 oz. (113-226g)	10 to 15 min. /side	180°F (82°C)
Drumsticks	4 oz. (113g)	8 to 12 min. /side	180°F (82°C)
Wings	2-3 oz. (56-85g)	8 to 12 min. /side	180°F (82°C)

- When outside temperature is cooler than 65°F (18°C) and/or altitude is above 3,500 ft. (1067m), additional cooking time may be required. To insure that meat is completely cooked use a meat thermometer to test internal temperature.
- Lifting barbecue lid during cooking process may extend cooking time due to heat loss.

## GENERAL SIDE STOVE TIPS (if applicable)

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**Your side stove will boil, sauté, stir fry and warm with ease.**

- For best results preheat your side burner for 10-15 minutes on “MAX” (🔥).
- When boiling water or warming foods always ensure that you are using a covered pot or wok.
- Ensure that your gas barbecue is positioned away from high winds or cold air as this will adversely affect your side burner preheating and cooking performance.
- Your 13,000 BTU/hr side stove will take longer to preheat and cook than your indoor range.
- Inspect and clean your side stove orifice periodically and confirm that it is clear of cobwebs or other insect debris that may cause a Flash-Back Fire .

## GENERAL SEAR STOVE TIPS (if applicable)

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- ALWAYS wear protective gloves when using this high intensity Sear stove.
- ALWAYS keep children, pets and guests away from this Sear stove when in operation.
- The Sear stove lid is for STORAGE ONLY. Only close after stove has cooled down.
- Your Sear stove includes a versatile grate. Always position the accessory needed first, before lighting the Sear stove burner.
- Never place frozen foods on cooking grate. Always thaw in fridge or at room temperature prior to cooking.
- This Sear stove is temperature adjustable. Only use the “MAX” setting for preheating (only 2 minutes), or for searing foods.
- Avoid overcooking foods by using the temperature setting that best describes the foods you are cooking.
- Due to the intense heat of the Sear stove, food left unattended will burn quickly.
- Avoid Flash-Back Fires by routinely inspecting and cleaning the Sear stove Venturi tube of all debris.
- Avoid water damage and other liquids.
- Do not throw water into the barbecue to douse a flame or control flare ups.
- Do not attempt to operate the Sear stove in open air while raining.
- When using Sear stove to fry, use a wok topper. Ensure that a lid or splatter screen is used to protect against grease splatter.
- When using Sear stove to sear, always reduce temperatures when desired sear marks have been achieved.



### **ATTENTION**

**Do not operate the infrared sear stove if it appears wet! Remove the burner, turn upside down to drain the excess water, and bring indoors to dry thoroughly.**

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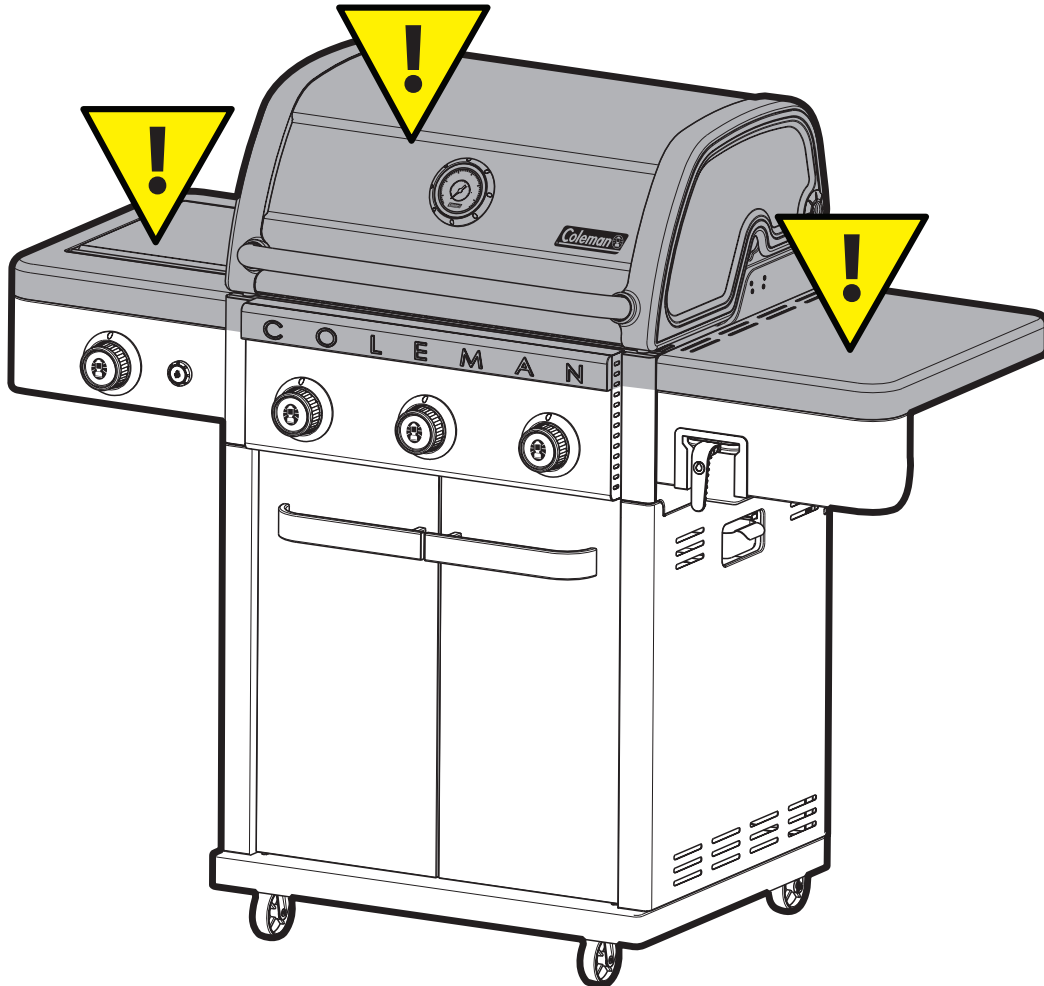
## BATTERY DISPOSAL

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Always dispose of used batteries according to local regulation.



# WARNING: HOT SURFACES



## WARNING

EXTERIOR SURFACES WILL BECOME VERY HOT. TO PREVENT BURNS,  
ALWAYS WEAR INSULATED PROTECTIVE BARBECUE MITTS WHEN  
WORKING AT THE BARBECUE.

- KEEP AWAY FROM COMBUSTIBLE MATERIALS
- KEEP CHILDREN AND PETS AWAY FROM THIS GAS FIRED APPLIANCE
- AVOID DANGEROUS FIRES: DO NOT LEAVE YOUR BARBECUE UNATTENDED WHILE IN OPERATION

## WARRANTY AND SERVICE

### BEFORE YOU CALL FOR SERVICE have the following information available:

1. **Serial number:** The serial number can be found on the side of the barbecue carton, the cover page of the user manuals, and on the rating label located on the barbecue front brace.
2. **Model number:** The model number is located on the front cover of the user manual and the bottom right corner of the rating label .
3. **Proof of purchase** by the original owner.

Call the Coleman® Customer Care Hotline 1-800-275-4617  
HOURS: 10AM- 7PM EST Mon-Fri, Closed Saturday and Sunday

### IF YOUR PRODUCT IS DAMAGED:

1. Call the Coleman® Customer Care Hotline 1-800-275-4617.
2. **Do not return to the store for replacement of damaged or defective parts.** Coleman® Customer Care will ensure that all in-stock replacement parts arrive at your home within 3-10 business days.
3. **Concealed Damage:** If damage is unnoticed until merchandise is unpacked, resolve issue by contacting Coleman® Customer Care immediately. Missing or damaged parts should be claimed within 30 days of purchase.

To ensure your satisfaction and for follow-up service,  
register your barbecue online at [www.colemanbbqs.com](http://www.colemanbbqs.com)

### LIMITED Warranty:

Winners Products, hereby warrants to the ORIGINAL PURCHASER of this Coleman® REVOLUTION™ Barbecue that it will be free of defects in workmanship, from the date of purchase, for the period of the warranty, as outlined below.

Please see Limitations and Exclusions section on the following page.

Coleman® REVOLUTION™ 2-BURNER / Coleman® REVOLUTION™ 3-BURNER /  
Coleman® REVOLUTION™ 4-BURNER / Coleman® REVOLUTION™ DUAL FUEL

#### Limited 5 Year:

Stainless Steel Burners  
Manifold Assembly  
Carryover Bar

#### Limited 2 Year:

Sear Stove  
Flare-Free Parts Including:  
• Grease Cup  
• Grease Channel  
• Cooking Grates

#### Limited 1 Year:

All remaining parts

### CAUTION

Some parts may contain sharp edges - especially as noted in the manual! Wear protective gloves if necessary. **For residential use ONLY. Do not use for commercial cooking.**

### WARNING

Do not attempt to repair or alter the hose/ valve/ regulator for any assumed defect or for any type of retro fit or conversion. Any modifications to this assembly will void your warranty and create the risk of a gas leak and fire. Use only authorized replacement parts supplied by the manufacturer, for your model.

## LIMITATION AND EXCLUSIONS

Winners Products has the following **limitations** to its warranty:

1. This limited warranty is non-transferable and becomes void if used for commercial or rental purposes.
2. This warranty applies only when barbecue is used in Canada.
3. Warranty is in lieu of all warranties, expressed or implied, and all other obligations or liabilities related to the sale or use of its barbecue products.
4. Winners Products shall not be liable for incidental, consequential, special or contingent damages resulting from its breach of this written warranty or any implied warranty.
5. Winners Products will repair or replace parts, at its option, proven defective under normal use and service and which on examination during the applicable warranty period. (See exclusions to warranty coverage below)
6. Shipping and handling charges are the responsibility of the original consumer-purchaser for all in/out of warranty part orders.
7. This limited warranty will not reimburse you for the cost of any inconvenience, food, personal injury or property damage.
8. Winners Products does not authorize any person or company to assume for it any other obligation or liability in connection with the sale, installation, use, removal, return, or replacement of its equipment; and no such representations are binding on Winners Products.
9. Visit us at [www.colemanbbqs.com](http://www.colemanbbqs.com) to register your product on line. The purchaser shall retain a copy of the purchase invoice for future claims.

**Winners Products EXCLUDES from its warranty the following:**

- a. Failure to perform regular maintenance, safety checks and service, including but not limited to removal of insects from venturi tubes, resulting in a flash-back fire, damage caused by grease fires, flare-up fires or fires resulting from improper connection of hose to gas source,
- b. Part failure due to lack of cleaning and maintenance, part failure due to use of improper cleaning products, such as indoor stainless steel cleaners, abrasive and chemical cleaners, porcelain oven cleaner and other chemical cleaners which can cause damage to surfaces,
- c. Normal wear and tear, chipping and scratching on painted, porcelain enamel or stainless steel surfaces, dents, discolouration caused by environment or heat, surface corrosion, rust or rust perforation, chemical exposure in the atmosphere and other damages which result with normal use and are otherwise uncontrollable by the manufacturer.
- d. Accidental damage, abuse, tampering or misuse, misapplication, vandalism, careless handling,
- e. Damages caused by improper assembly or installation, alteration, clearance to combustible materials, and failure to follow proper usage, safety and maintenance instructions presented throughout this manual.

There are no other express warranties except as set forth herein and any applicable implied warranties of merchantability and fitness are limited in duration to the period of coverage of this express written limited warranty.

**To ensure your satisfaction  
And for follow-up service, register your barbecue online at:  
[www.colemanbbqs.com](http://www.colemanbbqs.com)**

**Join the conversation**



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