Charbroil 463277017

Char-Broil Signature 4-Burner Cabinet Gas Grill Model 463277017 Instruction Manual

Model: 463277017

Introduction

This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your Char-Broil Signature 4-Burner Cabinet Gas Grill, Model 463277017. Please read all instructions carefully before using your grill to ensure proper function and safety.

Important Safety Information

WARNING:

- For outdoor use only. Do not operate this appliance indoors.
- Read all instructions before assembly and use of the grill.
- Keep children and pets away from the grill at all times.
- Never store a spare LP cylinder under or near the appliance.
- Always check for gas leaks before each use.
- Do not obstruct the flow of combustion and ventilation air.
- Ensure the grill is placed on a level, stable surface.

Setup and Assembly

Your Char-Broil Signature grill requires assembly. Follow the detailed instructions provided in the separate assembly guide included with your product. Ensure all components are securely fastened before proceeding to gas connection.

Connecting the LP Gas Tank

1. Ensure the grill control knobs are in the OFF position.
2. Place the LP tank securely in the designated cabinet area.
3. Connect the regulator hose to the LP tank valve. Hand-tighten firmly. Do not use tools.
4. Perform a leak test: Apply a soapy water solution to all connections. Bubbles indicate a leak. Tighten connections or replace parts as necessary. Do not use the grill if a leak is detected.

5. The integrated tank gauge allows for monitoring of the LP gas level.



Image: Front-side view of the Char-Broil Signature 4-Burner Cabinet Gas Grill, showcasing its stainless steel construction and side shelves.

Operating Instructions

Lighting the Main Burners

1. Open the grill lid.
2. Turn the LP tank valve fully open.
3. Push and turn any main burner control knob to the HIGH position.
4. Press and hold the Surefire electronic ignition button until the burner ignites.
5. Once lit, release the ignition button and turn the knob to the desired heat setting.
6. Repeat for other main burners.

Lighting the Side Burner

1. Open the side burner lid.
2. Turn the LP tank valve fully open.

3. Push and turn the side burner control knob to the HIGH position.
4. Press and hold the Surefire electronic ignition button until the burner ignites.
5. Once lit, release the ignition button and turn the knob to the desired heat setting.

If a burner does not light within 5 seconds, turn the burner control knob to OFF, wait 5 minutes for gas to clear, then repeat the lighting procedure.



Image: The grill with its lid open, revealing the stainless steel cooking grates, warming rack, and burner covers.

Temperature Control and Cooking

The lid-mounted temperature gauge provides an indication of the internal grill temperature. Adjust burner control knobs to achieve desired cooking temperatures. The V-shaped stainless-steel firebox and top-ported burners are designed for efficient cooking and zonal heat control.



Image: The Char-Broil grill in operation, demonstrating its cooking capacity with various foods on the grates and side burner.

Maintenance and Cleaning

General Cleaning

- Allow the grill to cool completely before cleaning.
- Clean cooking grates with a grill brush after each use.
- Wipe exterior surfaces with a damp cloth and mild detergent. Avoid abrasive cleaners.

Grease Management

The grill features a front-accessible grease tray and removable grease pan for easy cleaning and replacement. Regularly

check and empty the grease pan to prevent flare-ups and maintain cleanliness.

Burner and Component Care

Periodically inspect burners for obstructions (e.g., spider webs). The stainless steel tent protects burners from dripping juices. Ensure these are kept clean to maintain even heat distribution.



Image: A detailed view of the grill's interior, highlighting the stainless steel burner covers and cooking grates.

Troubleshooting

Problem	Possible Cause	Solution
Burner not lighting with ignition	No gas flow, faulty igniter, obstructed burner port.	Check LP tank connection and level. Ensure tank valve is open. Clean burner ports. Inspect igniter electrode and wire.

Problem	Possible Cause	Solution
Uneven heat distribution	Obstructed burner ports, dirty heat tents, gas flow issue.	Clean burner ports and heat tents. Ensure gas regulator is functioning correctly.
Starter button failure	Moisture ingress, faulty switch.	Ensure the starter button area is dry. If persistent, contact customer support for replacement parts.
Gas not flowing or low heat	Empty LP tank, tripped safety device in regulator, kinked hose.	Replace LP tank. Reset regulator by turning off grill and tank, disconnecting, waiting 1 minute, then reconnecting and slowly opening tank valve. Check hose for kinks.

Specifications

Feature	Detail
Model Number	463277017
Brand	Charbroil
Product Dimensions (D x W x H)	27.6" x 55.3" x 46.3"
Item Weight	143 Pounds
Fuel Type	Gas (Propane, convertible to Natural Gas)
Number of Main Burners	4
Main Burner BTU	32,000 BTU
Side Burner BTU	13,000 BTU (lidded)
Primary Cooking Area	530 sq inches
Secondary Cooking Area (Warming Rack)	210 sq inches
Material	Stainless Steel
Ignition System	Surefire Electronic Ignition
Special Features	Dual fuel compatible, Tank Gauge, Removable Grease Pan, Cabinet Storage, Locking Casters

Warranty Information

This Char-Broil grill is covered by a 90-day limited manufacturer's warranty. Please refer to the warranty documentation included with your purchase for specific terms and conditions. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, replacement parts, or warranty inquiries, please visit the official Char-Broil website or contact

their customer service department. Have your grill model number (463277017) and serial number ready when contacting support.
Official Charbroil Store: Visit the Charbroil Store on Amazon

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