Charbroil 463370516

Char-Broil Gas2Coal 3-Burner Hybrid Grill Instruction Manual

Model: 463370516

1. Introduction

Welcome to the Char-Broil Gas2Coal 3-Burner Hybrid Grill. This innovative grill offers the flexibility of both gas and charcoal cooking in a single unit, allowing you to enjoy the convenience of gas or the distinct flavor of charcoal. This manual provides essential information for safe assembly, operation, maintenance, and troubleshooting of your new grill.



Image 1.1: The Char-Broil Gas2Coal 3-Burner Hybrid Grill, showcasing its black finish, three control knobs, side burner, and the "GAS2COAL" branding.

2. Important Safety Information

WARNING: For outdoor use only. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

- Always operate the grill in a well-ventilated area.
- Keep children and pets away from the grill during use.
- Ensure the LP gas tank is securely connected and free from leaks.
- Never use charcoal lighter fluid with this grill when operating in charcoal mode, as the gas burners are designed to ignite the charcoal.
- Allow the grill to cool completely before cleaning or moving.

3. Assembly

Assembly of the Char-Broil Gas2Coal 3-Burner Hybrid Grill is required. Please refer to the separate "Assembly Instructions" included with your product for detailed, step-by-step guidance. Ensure all components are present and undamaged before beginning assembly.

4. Components Overview

Your Char-Broil Gas2Coal grill is equipped with several features designed for optimal grilling performance and convenience:

- **Main Burners (3):** Provide 40,000 BTUs for gas grilling.
- **Side Burner (1):** Offers 12,000 BTUs for preparing side dishes or sauces.
- **Porcelain-Coated Cast-Iron Cooking Grates:** Durable and easy to clean.
- **Charcoal Tray:** Specifically designed for charcoal use, preventing flare-ups.
- **Lid-Mounted Temperature Gauge:** For monitoring internal grill temperature.
- **Side Shelves:** For food preparation and tool storage.
- **Wheels:** For easy mobility across various outdoor surfaces.



Image 4.1: The Char-Broil Gas2Coal grill in operation, with various foods cooking on the main grates and a pot on the side burner.

5. Initial Setup

5.1. LP Gas Tank Connection

1. Ensure all burner control knobs are in the "OFF" position.
2. Connect the LP gas regulator to the gas tank valve. Hand-tighten firmly.
3. Check for gas leaks using a soapy water solution on all connections. Bubbles indicate a leak. Tighten connections or replace parts as necessary.

5.2. Charcoal Tray Placement

When preparing for charcoal grilling, ensure the charcoal tray is correctly positioned. The tray is designed to sit above the gas burners, allowing them to ignite the charcoal.



Image 5.1: The Char-Broil Gas2Coal grill with the cooking grates removed, showing the charcoal tray in place above the gas burners.

6. Operating Instructions

6.1. Gas Grilling

1. Open the grill lid.
2. Ensure the charcoal tray is removed and cooking grates are in place.
3. Turn on the gas supply at the LP tank.
4. Push and turn a main burner control knob to the HIGH position. Press the electronic igniter button until the burner lights.
5. Once lit, turn on other burners as needed.
6. Preheat the grill for 10-15 minutes with the lid closed.

6.2. Charcoal Grilling (Gas2Coal Conversion)

The Char-Broil Gas2Coal grill allows for quick and tool-free conversion to charcoal mode.

1. Ensure the grill is cool and the gas supply is off.
2. Remove the porcelain-coated cast-iron cooking grates.
3. Slide the charcoal tray into position above the gas burners.
4. Distribute charcoal briquettes evenly across the charcoal tray.**Do NOT use charcoal lighter fluid.**
5. Replace the cooking grates.
6. Open the gas supply at the LP tank.
7. Push and turn the main burner control knobs to the HIGH position. Press the electronic igniter button to light the gas burners, which will ignite the charcoal.
8. Close the grill lid and allow the charcoal to heat up for 10-15 minutes until it turns white-hot.
9. Once the charcoal is ready, turn off the gas burners and the LP tank supply.
10. You are now ready to grill with charcoal.



Image 6.1: The Char-Broil Gas2Coal grill operating in charcoal mode, with various meats and vegetables grilling, demonstrating the hybrid functionality.

6.3. Side Burner Use

The 12,000-BTU side burner is ideal for preparing sauces, boiling water, or sautéing vegetables while your main dishes cook on the grill.

1. Lift the side burner cover.
2. Turn on the gas supply at the LP tank.
3. Push and turn the side burner control knob to the HIGH position. Press the electronic igniter button until the burner lights.
4. Adjust the flame as needed.
5. Always turn off the side burner and gas supply when finished.

Your browser does not support the video tag.

Video 6.1: Official product video demonstrating the features and conversion process of the Char-Broil Gas2Coal 3-Burner Hybrid Grill.

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Video 6.2: A short demonstration highlighting the gas and charcoal capabilities of the Char-Broil Gas2Coal grill.

7. Maintenance and Cleaning

- **Cooking Grates:** The porcelain-coated cast-iron grates are designed for easy cleaning. After each use, once the grill has cooled, brush off any food residue. For deeper cleaning, wash with warm soapy water.
- **Charcoal Tray:** After charcoal grilling, allow the tray to cool completely. Remove and dispose of ash. Clean the tray as needed.
- **Exterior:** Wipe down exterior surfaces with a damp cloth and mild detergent. Avoid abrasive cleaners.
- **Burners:** Periodically inspect burner ports for blockages. Clean with a wire brush if necessary.

8. Troubleshooting

Problem	Possible Cause	Solution
Burner fails to ignite	No gas flow, clogged burner port, faulty igniter.	Check LP tank connection and gas level. Clean burner ports. Check igniter battery/connection.
Uneven heating	Clogged burner ports, improper charcoal distribution.	Clean burner ports. Ensure charcoal is spread evenly in charcoal mode.
Excessive flare-ups	Excess grease buildup, too much charcoal, high heat.	Clean grill grates and grease tray. Reduce charcoal quantity or heat setting.

9. Specifications

Feature	Detail
Model Name	GAS2COAL 3-BURNER HYBRID GRILL
Model Number	463370516
Brand	Charbroil
Product Dimensions (D x W x H)	24.6"D x 52.5"W x 47.5"H

Feature	Detail
Item Weight	110 Pounds
Fuel Type	Charcoal, Gas (Liquid Propane)
Main Burner Count	3
Side Burner Count	1
Heating Power (Main Burners)	40,000 BTUs
Heating Power (Side Burner)	12,000 BTUs
Total Cooking Area	540 sq. inches (420 primary, 120 warming)
Material Type	Stainless Steel (burners), Cast Iron (frame, grates)
Color	Black



Image 9.1: Diagram illustrating the dimensions of the Char-Broil Gas2Coal 3-Burner Hybrid Grill.

10. Warranty and Support

This Char-Broil Gas2Coal 3-Burner Hybrid Grill comes with a**90 Day Manufacturer Limited Warranty**. For specific details regarding warranty coverage, claims, or technical support, please refer to the "Owners Guide" included with your product or visit the official Charbroil website.
For additional assistance, you may contact Charbroil customer support.

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