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› [Char-Broil Performance 4-Burner Cabinet Style Liquid Propane Gas Grill \(Model 463354021\) Instruction Manual](#)

Char-Broil 463354021

Char-Broil Performance 4-Burner Cabinet Style Liquid Propane Gas Grill (Model 463354021) Instruction Manual

Brand: Char-Broil | Model: 463354021

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PRODUCT OVERVIEW

The Char-Broil Performance 4-Burner Cabinet Style Liquid Propane Gas Grill, Model 463354021, offers a robust and stylish solution for outdoor cooking. Constructed with durable stainless steel, this grill is designed for longevity and efficient performance. It features ample cooking space, a convenient side burner, and practical storage options, making it suitable for various grilling needs.



Image: Char-Broil Performance 4-Burner Cabinet Style Liquid Propane Gas Grill in Stainless Steel.

Key Features:

- **Spacious Cooking Area:** Features 435 square inches of primary cooking space on durable porcelain-coated, cast iron grates, capable of accommodating approximately 24 burgers. An additional 130 square inch swing-away warming rack is ideal for keeping sides and buns warm, and includes a Chef's Delight tray for enhanced versatility.
- **Durable Construction:** Built with a stainless-steel finish for increased style and durability, ensuring resistance to rust.
- **Convenient Storage:** A two-door cabinet design provides ample storage for the propane tank, grilling tools, and accessories.
- **Electronic Ignition:** Ensures fast and reliable burner lighting with a simple push of a button.
- **Versatile Side Burner:** Includes a 10,000-BTU lidded side burner, perfect for preparing sauces, sides, or boiling water. The lid folds down to offer additional work or prep space when the burner is not in use.
- **Functional Side Shelves:** Stainless steel side shelves offer extra work and prep space, and are Gear Trax enabled for custom accessory setup (accessories sold separately).

SETUP INSTRUCTIONS

Proper assembly is crucial for the safe and efficient operation of your Char-Broil gas grill. Please follow the steps below carefully. It is recommended to have two people for assembly.

Assembly Steps:

1. **Unpack Components:** Carefully remove all parts from the packaging and ensure all components listed in the parts diagram are present.

2. **Attach Casters:** Secure the four casters (wheels) to the bottom panel of the grill cabinet using the provided screws. Ensure they are firmly attached for stability and mobility.
3. **Assemble Cabinet Frame:** Attach the side panels and back panel to the bottom panel, forming the main cabinet structure. Use the designated screws and ensure all connections are tight.
4. **Install Internal Supports:** Fasten any internal support brackets or shelves within the cabinet as indicated in the manual.
5. **Mount Control Panel:** Secure the control panel to the front of the grill body.
6. **Attach Side Shelves:** Install the stainless steel side shelves to the main grill body. If applicable, ensure the side burner assembly is correctly integrated with its shelf.
7. **Connect Gas Line:** Carefully connect the gas hose and regulator assembly to the main grill manifold and the side burner (if applicable). Ensure all connections are secure and leak-free.
8. **Install Main Grill Head:** With assistance, carefully lift and place the main grill head onto the assembled cabinet frame. Secure it with the appropriate fasteners.
9. **Install Burners and Heat Tents:** Place the main burners and heat tents (flame tamers) into their respective positions inside the grill firebox.
10. **Install Cooking Grates and Warming Rack:** Position the porcelain-coated cast iron cooking grates onto the firebox. Install the swing-away warming rack into its designated slots.
11. **Connect Electronic Ignition:** Connect the ignition wires from the igniter button to each burner's electrode.
12. **Place Propane Tank:** Carefully place the propane tank into the cabinet and secure it using the tank retention system. Connect the regulator to the propane tank valve.
13. **Perform Leak Test:** Before first use, perform a leak test on all gas connections using a soapy water solution. Refer to your full manual for detailed instructions on performing a leak test.

Your browser does not support the video tag.

Video: Royal Gourmet GA4402S Propane Gas Grill Installation Guide. This video demonstrates general gas grill assembly steps.

OPERATING INSTRUCTIONS

Familiarize yourself with the grill's controls and safety features before operation.

Lighting the Main Burners:

1. **Open Lid:** Always open the grill lid before lighting any burners.
2. **Open Gas Valve:** Ensure the propane tank valve is fully open.
3. **Turn Knob:** Push and turn one of the main burner control knobs to the HIGH position.
4. **Press Igniter:** Immediately press and hold the electronic igniter button. You should hear a clicking sound and see the burner ignite.
5. **Verify Ignition:** Once ignited, release the igniter button. If the burner does not light within 5 seconds, turn the control knob to OFF, wait 5 minutes, and repeat the lighting procedure.
6. **Adjust Heat:** Once the first burner is lit, you can light adjacent burners by turning their knobs to HIGH. Adjust all burners to your desired cooking temperature.

Using the Side Burner:

1. **Open Side Burner Lid:** Lift the lid of the side burner.
2. **Open Gas Valve:** Ensure the propane tank valve is fully open.

3. **Turn Knob:** Push and turn the side burner control knob to the HIGH position.
4. **Press Igniter:** Immediately press and hold the electronic igniter button.
5. **Verify Ignition:** Once ignited, release the igniter button. If the burner does not light within 5 seconds, turn the control knob to OFF, wait 5 minutes, and repeat the lighting procedure.
6. **Adjust Heat:** Adjust the side burner to your desired heat level.

Temperature Monitoring:

The built-in temperature gauge on the grill lid provides an approximate internal temperature reading, allowing you to monitor cooking progress without frequently opening the lid.

MAINTENANCE

Regular cleaning and maintenance will extend the life of your Char-Broil grill and ensure optimal performance.

Cleaning the Cooking Grates:

- After each use, while the grates are still warm, use a grill brush to remove any food residue.
- For a deeper clean, remove the porcelain-coated cast iron grates and wash them with warm, soapy water. Rinse thoroughly and dry completely before reinstalling.

Grease Tray Cleaning:

- The grill features a removable grease tray located beneath the firebox. Regularly check and empty this tray to prevent grease build-up, which can lead to flare-ups.
- Clean the grease tray with warm, soapy water.

Exterior Cleaning:

- Wipe down stainless steel surfaces with a soft cloth and a stainless steel cleaner to maintain its luster and prevent smudges.
- Avoid abrasive cleaners or scrubbers that can scratch the finish.

TROUBLESHOOTING

Here are some common issues and their solutions:

Burner Not Lighting:

- **Check Gas Supply:** Ensure the propane tank valve is fully open and the tank contains gas.
- **Check Igniter:** Listen for a clicking sound when pressing the igniter button. If no click, check the battery in the electronic ignition module (usually located near the control knobs).
- **Clear Obstructions:** Ensure burner ports are not clogged with food debris. Clean with a wire brush if necessary.
- **Verify Connections:** Check that all gas connections are secure and leak-free.

Uneven Heating:

- **Clean Burners:** Clogged burner ports can cause uneven heat. Clean the burners thoroughly.
- **Check for Blockages:** Ensure flame tamers are clean and not obstructing heat flow.
- **Gas Flow:** A low gas flow can result in uneven heating. Check the propane tank level and ensure the regulator is functioning correctly.

Excessive Flare-ups:

- **Clean Grease Tray:** Accumulation of grease is a primary cause of flare-ups. Regularly clean the grease tray.
- **Trim Fat:** Trim excess fat from meats before grilling to reduce dripping.
- **Adjust Heat:** Lower the grill temperature if flare-ups occur frequently.

SPECIFICATIONS

Brand	Char-Broil
Model Number	463354021
Product Dimensions	17.1"D x 24.5"W x 45.4"H
Color	Black, Silver
Material	Stainless Steel
Fuel Type	Liquid Propane Gas
Main Burner Count	4
Side Burner BTU	10,000 BTU
Cooking Surface Area	435 sq. inches (Primary)
Warming Rack Area	130 sq. inches
Number of Racks	2 (Primary Grate + Warming Rack)
Finish Type	Rust-resistant
Assembly Required	Yes
Included Components	Grill Cover, Lid

WARRANTY & SUPPORT

The Char-Broil Performance 4-Burner Gas Grill comes with a **2-year fade-free warranty** on the included Premium Grill Cover. For specific warranty details on the grill components and for customer support, please refer to the

official Char-Broil website or contact their customer service directly.

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