Charbroil G515-0017-W7

Char-Broil G515-0017-W7 Gas Grill Igniter Switch and Harness Assembly Instruction Manual

Genuine Original Equipment Manufacturer (OEM) Part

Introduction Safety Information Package Contents Installation Operation Maintenance Troubleshooting Specifications Warranty & Support

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Char-Broil G515-0017-W7 Gas Grill Igniter Switch and Harness Assembly. This is a genuine Original Equipment Manufacturer (OEM) part designed to ensure proper fit and function with compatible Char-Broil gas grills. Please read all instructions carefully before proceeding with installation or use.

Safety Information

WARNING: Always disconnect the gas supply and power source (if applicable) to your grill before attempting any installation, maintenance, or repair. Failure to do so can result in serious injury or property damage.

- Ensure the grill is completely cool before handling any components.
- Wear appropriate safety gear, such as gloves, to protect your hands.
- If you are unsure about any step, consult a qualified technician.
- Keep children and pets away from the work area.



Image: A red STOP sign with text emphasizing the importance of checking your grill's model number for compatibility before installing replacement parts. This ensures the correct fit and function.

Important: Many replacement parts may appear similar but are not compatible with all grill models. Always verify that the G515-0017-W7 is the correct part for your specific Char-Broil grill model before installation.

Package Contents

The Char-Broil G515-0017-W7 kit includes the following components:

- One (1) Flush Mount Igniter Switch Push Button
- Three (3) sets of Igniter Wires (two wires per set) in varying lengths:
  - 10-inch wires
  - 18-inch wires
  - 26-inch wires



Image: The complete Char-Broil G515-0017-W7 igniter kit, showing the flush-mount push-button switch and the three pairs of igniter wires in different lengths (10", 18", 26").

Installation Instructions

Follow these steps to replace your gas grill igniter switch and harness assembly:

1. **Prepare the Grill:** Ensure the grill is turned off, the gas supply is disconnected, and the grill is cool.
2. **Access the Igniter:** Locate the existing igniter switch on your grill's control panel. Depending on your grill model, you may need to remove the control panel or access the igniter from underneath.
3. **Disconnect Old Wires:** Carefully disconnect the existing igniter wires from the igniter electrodes inside the grill and from the old switch. Note their routing for reinstallation.
4. **Remove Old Switch:** Unscrew or unclip the old igniter switch from the control panel.
5. **Select New Wires:** Choose the set of new igniter wires (10", 18", or 26") that best matches the length of your original wires to ensure proper reach to the electrodes.
6. **Install New Switch:** Insert the new flush mount igniter switch push button into the opening on the control panel. Secure it in place according to your grill's design (it typically snaps or screws in).
7. **Connect New Wires:**
    - Connect one end of each selected wire to the terminals on the back of the new igniter switch.
    - Route the other ends of the wires to the igniter electrodes located near the burners.
    - Connect the wires securely to the igniter electrodes. Ensure connections are snug.
8. **Test Connection:** Before reassembling, reconnect the gas supply and briefly test the igniter by pressing the button. You should hear a clicking sound and see a spark at the electrodes. If not, check all connections.
9. **Reassemble Grill:** Once confirmed working, reassemble any removed panels or components.

Note: The kit provides three different wire lengths to accommodate various Char-Broil grill configurations. Use the shortest length that comfortably reaches your igniter electrodes without excessive slack or tension.

Operation

To operate the new igniter switch:

1. Ensure the gas supply to your grill is open.
2. Turn the desired burner control knob to the "HIGH" or "LIGHT" position.
3. Immediately press and hold the igniter push button. You should hear a rapid clicking sound and see a spark at the burner's igniter electrode.

4. Once the burner ignites, release the igniter button.
5. If the burner does not ignite within 5 seconds, turn the burner control knob to "OFF", wait 5 minutes, and repeat the lighting procedure.

Maintenance

The Char-Broil G515-0017-W7 igniter assembly requires minimal maintenance. To ensure continued reliable operation:

- **Keep Connections Clean:** Periodically inspect the wire connections at both the switch and the electrodes. Ensure they are free from grease, debris, and corrosion. Clean with a dry cloth if necessary.
- **Check for Damage:** Inspect the wires for any signs of fraying, cuts, or heat damage. Replace the assembly if significant damage is found.
- **Protect from Elements:** When not in use, cover your grill to protect the igniter and other components from moisture and extreme weather conditions.

Troubleshooting

Problem	Possible Cause	Solution
Igniter does not click or spark.	◦ Loose wire connections. ◦ Wires are damaged. ◦ Switch is faulty.	◦ Check and secure all wire connections at the switch and electrodes. ◦ Inspect wires for damage; replace assembly if necessary. ◦ If connections are secure and wires are good, the switch may be faulty and require replacement.
Igniter clicks but no spark.	◦ Wires not connected to electrodes. ◦ Electrodes are dirty or corroded. ◦ Electrodes are cracked or damaged.	◦ Ensure wires are firmly attached to the igniter electrodes. ◦ Clean electrodes with a wire brush to remove debris and corrosion. ◦ Inspect electrodes for cracks or damage; replace if necessary (electrodes are typically separate parts from this assembly).
Burner does not light after sparking.	◦ No gas supply. ◦ Burner ports are clogged.	◦ Check gas tank and ensure gas valve is open. ◦ Clean burner ports to ensure proper gas flow.

Specifications

- **Model Number:** G515-0017-W7
- **Part Type:** Gas Grill Igniter Switch and Harness Assembly
- **Compatibility:** Designed for various Char-Broil gas grill models (verify compatibility with your specific model).
- **Wire Lengths Included:** 10 inches, 18 inches, 26 inches (two wires per set)
- **Package Dimensions:** 3.35 x 3.35 x 3.11 inches
- **Item Weight:** 2.89 ounces

Warranty and Support

This Char-Broil G515-0017-W7 Igniter Switch and Harness Assembly is a genuine OEM part. For specific warranty information regarding this component, please refer to your original grill's owner's manual or contact Char-Broil customer support directly. Keep your purchase receipt for warranty claims.

For technical assistance or further inquiries, please visit the official Char-Broil website or contact their customer service department.

Char-Broil Official Website: www.charbroil.com

© 2026 Charbroil. All rights reserved. This manual is for informational purposes only.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question