

UpStart Components BBQ-10342-245-DL443

UpStart Components BBQ Gas Grill 2-Outlet Spark Generator Ignitor Manual

Model: BBQ-10342-245-DL443

1. PRODUCT OVERVIEW

This manual provides instructions for the UpStart Components 2-Outlet Spark Generator Ignitor, a replacement part designed for BBQ gas grills. This ignitor is compatible with Broil King 547-23 models and is intended to restore reliable ignition to your grill.

The ignitor generates a spark to ignite the gas flowing from the burners, ensuring safe and efficient grill operation. It is a direct replacement component, designed for easy installation by the user.



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Figure 1: The UpStart Components 2-Outlet Spark Generator Ignitor. This image shows the main unit with the ignitor button and two terminals for connecting to grill electrodes.

2. SAFETY INFORMATION

Always prioritize safety when working with gas appliances. Read and understand all instructions before proceeding with installation or maintenance.

- Ensure the gas supply to the grill is turned off and the grill is completely cool before beginning any work.
- Disconnect the grill from its power source (if applicable) and remove any batteries from the old ignitor.
- Wear appropriate personal protective equipment, such as gloves, to prevent injury.
- Keep children and pets away from the work area.
- If you are unsure about any step, consult a qualified technician.

3. SETUP AND INSTALLATION

This section details the steps for replacing your existing grill ignitor with the UpStart Components 2-Outlet Spark Generator Ignitor.

3.1. Tools Required

- Phillips head screwdriver (for battery compartment, if applicable)
- New AA battery (not included)

3.2. Battery Installation

The ignitor requires one AA battery for operation. Ensure the battery is installed correctly before installation into the grill.

1. Locate the battery compartment on the ignitor unit. This is typically a twist-off cap or a small door secured by a screw.
2. Open the compartment.
3. Insert one new AA battery, observing the correct polarity (+ and -) as indicated inside the compartment.
4. Securely close the battery compartment.



Figure 2: Top-down view of the ignitor, illustrating the general area where the battery compartment is typically located (often under the push-button cap).

3.3. Ignitor Replacement Steps

1. **Preparation:** Ensure the grill is off, cool, and the gas supply is disconnected.
2. **Access Old Ignitor:** Locate the existing ignitor unit within your grill. This is often found near the control panel or under the main burner area. You may need to remove grill grates, heat tents, or other components to access it.
3. **Disconnect Wires:** Carefully disconnect the wires (electrodes) from the old ignitor. Note which wire connects to which terminal if there are multiple. This ignitor has two outlets.
4. **Remove Old Ignitor:** Unmount the old ignitor from its position. It may be held by clips, screws, or simply slide out of a bracket.
5. **Install New Ignitor:** Position the new UpStart Components ignitor in the same location as the old one. Secure it using the existing mounting method.
6. **Connect Wires:** Reconnect the electrode wires to the corresponding terminals on the new ignitor. Ensure connections are snug.
7. **Test:** Before reassembling the entire grill, reconnect the gas supply and test the ignitor by pressing the ignition button. You should hear a rapid clicking sound and see a spark at the burner electrodes. If not, refer to the Troubleshooting section.
8. **Reassemble:** Once confirmed working, reassemble any grill components that were removed.



Figure 3: Angled view of the ignitor, highlighting the two electrical terminals where the electrode wires connect.

4. OPERATING INSTRUCTIONS

Once the ignitor is installed and the battery is in place, operating it is straightforward:

1. Ensure the grill lid is open.

2. Turn on the gas supply to your grill.
3. Turn the control knob of the burner you wish to light to the "HIGH" or "LIGHT" position.
4. Immediately press and hold the ignitor button. You should hear a rapid clicking sound and see a flame appear at the burner.
5. Once the burner is lit, release the ignitor button.
6. If the burner does not light within 5 seconds, turn off the gas to the burner, wait 5 minutes, and repeat the process.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of your ignitor.

- **Battery Check:** If the ignitor spark becomes weak or inconsistent, replace the AA battery. It is good practice to replace the battery at the start of each grilling season.
- **Wire Connections:** Periodically inspect the wires connecting the ignitor to the electrodes. Ensure they are clean, free of corrosion, and securely attached.
- **Electrode Condition:** Check the grill's electrodes for carbon buildup or damage. Clean them gently with a wire brush if necessary, ensuring the gap between the electrode and the burner is correct (refer to your grill's manual for specific gap recommendations).
- **Cleanliness:** Keep the ignitor unit free from grease and debris. Wipe it with a damp cloth if needed.

6. TROUBLESHOOTING

If your ignitor is not functioning correctly, try the following troubleshooting steps:

Problem	Possible Cause	Solution
No spark or weak spark	Dead or low battery	Replace the AA battery with a new one. Ensure correct polarity.
No spark or weak spark	Loose or corroded wire connections	Check all wire connections between the ignitor and electrodes. Clean any corrosion and ensure they are securely attached.
No spark or weak spark	Faulty electrode(s)	Inspect electrodes for cracks, damage, or excessive carbon buildup. Clean or replace if necessary.
Burner does not light	No gas flow	Ensure the gas tank valve is open and the burner control knob is turned to the "LIGHT" or "HIGH" position. Check for blockages in gas lines.
Burner does not light	Ignitor button not fully pressed	Press the ignitor button firmly and hold it for a few seconds while gas is flowing.

7. SPECIFICATIONS

- **Product Type:** BBQ Gas Grill 2-Outlet Spark Generator Ignitor
- **Brand:** UpStart Components

- **Model Number:** BBQ-10342-245-DL443
- **Compatibility:** Broil King 547-23 (replacement part)
- **Power Source:** 1 x AA Battery (not included)
- **Outlets:** 2



Figure 4: Side view of the ignitor, showing manufacturer markings and model information.

8. WARRANTY AND SUPPORT

This UpStart Components product is a replacement part. Any warranties for this product are offered solely by UpStart Components. This product is not affiliated with any other brands and is not covered under any warranties offered by the original manufacturers of the grill it is compatible with.

For support or warranty inquiries, please contact UpStart Components directly through their official channels.

