Weber 7642

Weber Igniter Kit for Spirit 210 & 310 Gas Grills

Instruction Manual

Model: 7642

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the Weber Igniter Kit, Model 7642. This kit is designed as a replacement part to ensure reliable ignition for compatible Weber gas grills. Please read all instructions carefully before proceeding with installation or use.

Compatibility: This igniter kit is specifically designed for Weber Spirit 210 and Spirit 310 series gas grills that feature **front-mounted control panels**. It is not compatible with Spirit II series grills or Spirit grills with side-mounted control panels.

Safety Information

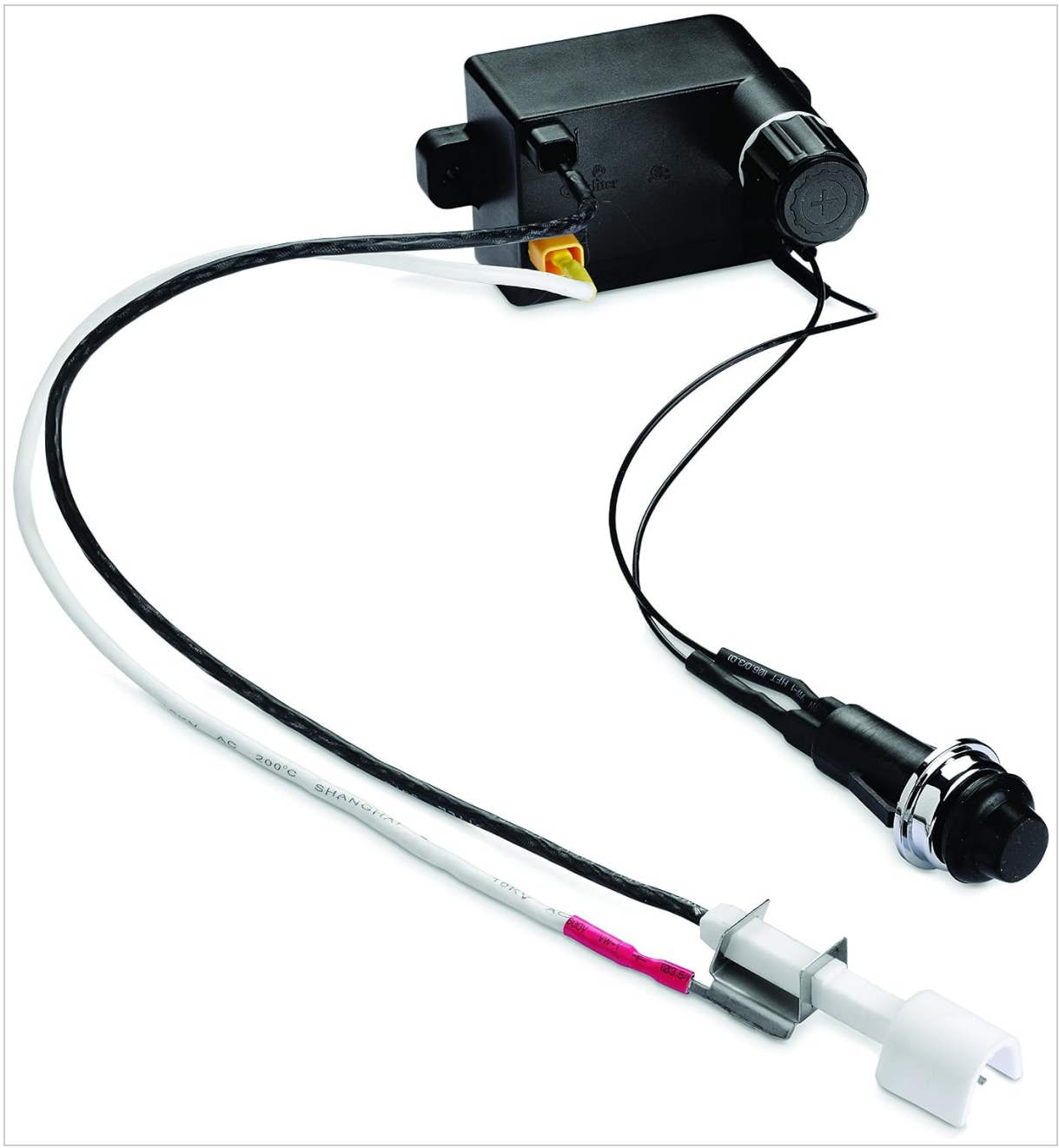
Always prioritize safety when working with gas appliances. Failure to follow these safety guidelines may result in property damage, personal injury, or death.

- **Disconnect Gas and Power:** Before beginning any installation or maintenance, ensure the gas supply to the grill is turned off and the grill is completely cool. If the grill is connected to an electrical outlet, unplug it.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment, such as gloves and eye protection, during installation.
- **Consult Grill Manual:** Refer to your specific Weber grill's owner's manual for additional safety precautions and disassembly instructions.
- **Ventilation:** Perform installation in a well-ventilated area.
- **Keep Children Away:** Ensure children and pets are kept away from the work area.

Package Contents

Verify that all the following components are included in your Weber Igniter Kit (Model 7642) package:

- Ignition Module (black box)
- Push-Button Igniter with wiring
- Ceramic Electrode with wiring
- AA Battery
- Mounting Screws
- Instruction Sheet



This image displays all components included in the Weber Igniter Kit: the main ignition module, the push-button igniter with wiring, and the ceramic electrode with its connecting wires. A battery is also included in the package.

Installation Guide

Tools Required

- Phillips Head Screwdriver

- Pliers (optional, for stubborn clips)

Step-by-Step Installation

Follow these steps to replace your old igniter kit with the new Weber Igniter Kit. It is recommended to consult a visual guide or video specific to your grill model if available, as some steps may vary slightly.

1. **Prepare the Grill:** Ensure the grill is cool, the gas supply is turned off, and the grill is unplugged if applicable. Remove the cooking grates and flavorizer bars from the grill.
2. **Access Control Panel:** Carefully pull off the control knobs from the front of your grill. Locate and remove the screws securing the front control panel. Gently detach the front control panel to access the igniter components behind it.
3. **Remove Old Igniter Button:** From the back of the detached front control panel, carefully unclip and remove the old igniter push-button.
4. **Disconnect Old Ignition Module:** Locate the old ignition module (black box) typically mounted inside the grill cabinet. Disconnect the wires from the old module: two black wires from the igniter button and two colored wires from the electrode. Remove the screws holding the old module in place and remove it.
5. **Remove Old Electrode:** The electrode is usually located near the burner tubes. Gently pull or unclip the old ceramic electrode from its mounting bracket.
6. **Install New Electrode:** Mount the new ceramic electrode in the same location as the old one. Ensure it is securely seated.
7. **Install New Ignition Module:** Mount the new ignition module (black box) in the same location as the old one using the provided screws.
8. **Connect Wiring:** Connect the two colored wires from the new electrode to the corresponding terminals on the new ignition module. Connect the two black wires from the new push-button igniter to the remaining terminals on the module. Ensure all connections are secure.
9. **Install New Igniter Button:** Snap the new push-button igniter into the opening on the front control panel.
10. **Reassemble Grill:** Reattach the front control panel, securing it with its screws. Replace the control knobs. Reinstall the flavorizer bars and cooking grates.
11. **Insert Battery:** Open the battery compartment on the new ignition module and insert the included AA battery, ensuring correct polarity. Close the compartment.



The product packaging highlights the igniter kit's compatibility with Weber Spirit 210 and Spirit 310 gas grills, specifically those models featuring front-mounted control panels. A green checkmark indicates compatible control panel placement, while a red cross indicates incompatible side-mounted controls.



This diagram clarifies which Weber Spirit grill models are compatible with the igniter kit. It fits Spirit 200 and 300 series grills that have front-mounted control panels. It does not fit Spirit II 200 or 300 series grills, nor older Spirit 200/300 series grills with side-mounted control panels.

Operating the Igniter

Once the igniter kit is installed, follow these steps to light your grill:

1. **Open Grill Lid:** Always open the grill lid before lighting.
2. **Turn on Gas:** Open the valve on your propane tank or turn on the natural gas supply.
3. **Turn on Burner:** Turn the control knob for the burner closest to the igniter to the HIGH position.
4. **Press Igniter Button:** Immediately press and hold the igniter button. You should hear a rapid clicking sound, indicating the igniter is sparking.
5. **Verify Ignition:** Look through the cooking grates to ensure the burner has lit. If it does not light within 5 seconds, turn off the burner, wait 5 minutes for gas to dissipate, and then repeat the process.
6. **Light Remaining Burners:** Once the first burner is lit, you can turn on adjacent burners to your desired setting.

Maintenance

Proper maintenance ensures the longevity and reliable performance of your igniter kit.

Battery Replacement

If the igniter stops clicking or the spark becomes weak, the battery may need replacement. The igniter kit uses one AA battery.

1. Locate the battery compartment on the ignition module.
2. Twist or unclip the battery cap to open the compartment.
3. Remove the old AA battery.
4. Insert a new AA battery, ensuring the positive (+) and negative (-) terminals are correctly oriented.
5. Securely close the battery compartment.

Cleaning

Periodically inspect the ceramic electrode for any buildup or debris. A clean electrode ensures a strong spark.

- Ensure the grill is cool and the gas supply is off.
- Gently wipe the ceramic tip of the electrode with a dry cloth to remove any residue. Avoid using abrasive cleaners or brushes that could damage the ceramic.

Troubleshooting

If your igniter kit is not functioning as expected, refer to the table below for common issues and solutions.

Problem	Possible Cause	Solution
Igniter button does not click or spark.	Dead or incorrectly installed battery. Loose wire connection. Faulty ignition module.	Check and replace the AA battery. Ensure battery polarity is correct. Verify all wires are securely connected to the ignition module and igniter button. If issues persist, the module may need replacement.
Igniter clicks but no spark is visible at the electrode.	Dirty or damaged electrode. Loose wire connection to electrode.	Clean the ceramic tip of the electrode. Inspect the electrode for cracks or damage; replace if necessary. Ensure the electrode wires are firmly connected to the ignition module.
Grill does not light even with a visible spark.	No gas supply. Burner ports are clogged. Electrode is too far from the burner.	Check that the propane tank valve is open or natural gas supply is on. Ensure burner control knob is on HIGH. Clean burner ports if clogged. Verify the electrode tip is positioned correctly near the burner tube, typically 1/8 to 1/4 inch away.

Specifications



This image provides key dimensions for the Weber Igniter Kit components. The ignition module measures approximately 3.6 inches in width and 2.7 inches in depth. The total length of the wiring from the module to the electrode is about 9.2 inches. The overall package dimensions are 8 inches (H) x 3.63 inches (W) x 2.80 inches (D).

Feature	Detail
Brand	Weber
Model Number	7642
Compatible Grills	Weber Spirit 210 & 310 (with front-mounted control panels)
Included Components	Ignition Module, Push-Button Igniter, Electrode, AA Battery
Core Material	Nickel
Item Weight	0.39 Pounds
UPC	077924032233

Warranty and Support

The Weber Igniter Kit (Model 7642) comes with a**2-year manufacturer's warranty** from the date of

purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or any questions regarding your igniter kit, please contact Weber Customer Support:

- **Website:** www.weber.com/support
- **Phone:** Refer to the Weber website for regional contact numbers.

Please have your product model number (7642) and proof of purchase available when contacting support.