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Broil Master DPP20

Broil Master Electronic Igniter Kit User Manual

Model: DPP20

PRODUCT OVERVIEW

The Broil Master Electronic Igniter Kit is designed to provide reliable ignition for your grill. This kit is a replacement part specifically engineered to fit Broil Master "P" Series and "D" Series grills manufactured between 2000 and 2001. It includes all necessary components for a complete igniter system replacement, ensuring your grill can be safely and efficiently lit.

Kit Components



This image displays all components of the Electronic Igniter Kit, including the electronic spark generator with button, various connecting wires, the gas collector box electrode assembly, and associated mounting hardware.

The kit typically contains:

- Electronic spark generator with push-button
- Igniter wires
- Gas collector box electrode assembly
- Mounting hardware

SETUP AND INSTALLATION

Installation of the Electronic Igniter Kit requires careful attention to detail. It is recommended to have basic tools available, such as screwdrivers, wrenches, and potentially a Dremel tool or similar for removing stubborn rusted parts.

Safety Precautions

- **Always ensure the grill is completely cool and all gas supply lines are disconnected before beginning any installation or maintenance.**
- Wear appropriate safety gear, such as gloves, to protect your hands.

Installation Steps

1. **Access the Igniter Components:** Carefully disassemble the necessary parts of your grill (e.g., grates, heat tents,

control panel) to gain access to the existing igniter components.

2. **Remove Old Igniter:** The most challenging part of the installation may be removing the old igniter, especially if it is rusted in place. You may need to apply force, use penetrating oil, or in some cases, cut out the old electrode assembly with a Dremel tool. Ensure the mounting hole is clean and clear for the new part.
3. **Install New Electrode Assembly:** Insert the new gas collector box electrode assembly into its designated opening. Secure it with the provided hardware.
4. **Mount Electronic Spark Generator:** Position the electronic spark generator (the box with the button) in its appropriate location, typically behind the control panel. Secure it firmly.
5. **Connect Wires:** Connect the igniter wires from the electrode assembly to the electronic spark generator. Note that the spark generator may not have marked "spark" and "ground" terminals. If the igniter does not spark on the first attempt, simply reverse the wire connections. This will not damage the unit.
6. **Reassemble Grill:** Once all components are securely installed and wired, carefully reassemble your grill, ensuring all parts are correctly aligned and fastened.
7. **Test Ignition:** Reconnect the gas supply and perform a test ignition to ensure the new igniter kit is functioning correctly.

OPERATING INSTRUCTIONS

To operate your grill's new electronic igniter:

1. Ensure the gas supply to your grill is turned on.
2. Open the grill lid.
3. Turn the control knob of the burner you wish to ignite to the "ON" or "LIGHT" position.
4. Immediately press and hold the electronic igniter button. You should hear a clicking sound and see a spark at the burner.
5. Once the burner ignites, release the button. If the burner does not light within a few seconds, turn off the gas, wait a few minutes for gas to dissipate, and repeat the process.

MAINTENANCE

To ensure the longevity and reliable performance of your electronic igniter kit, consider the following maintenance tips:

- **Regular Inspection:** Periodically inspect the igniter electrode and wires for signs of wear, corrosion, or damage. Clean any debris that may accumulate around the electrode.
- **Rust Prevention:** Igniter components are susceptible to rust over time due to exposure to heat and moisture. While this kit is a replacement, regular cleaning and ensuring the grill is covered when not in use can help mitigate rust formation on surrounding parts.
- **Expected Lifespan:** Due to the harsh environment inside a grill, igniter components are wear items. Depending on usage and environmental conditions, these parts may need to be replaced every few years to maintain optimal performance.

TROUBLESHOOTING

If your electronic igniter is not functioning as expected, consider the following common issues and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No spark when button is pressed	Incorrect wire connection Loose connections Faulty spark generator Electrode fouled or damaged	Reverse the wires connected to the spark generator. Check all wire connections for tightness. Ensure the electrode is clean and free of debris. If still no spark, the spark generator or electrode may need replacement.
Burner does not ignite	No gas flow Spark not reaching gas Low gas pressure	Ensure gas tank is open and full, and gas lines are not kinked. Verify spark is visible and consistent at the burner port. Check for proper gas pressure from the regulator.
Igniter worked initially, then stopped	Loose connection developed Component failure	Re-check all wire connections. Inspect components for visible damage or corrosion. Consider replacing the specific component that failed (e.g., spark generator or electrode).

SPECIFICATIONS

Brand	Broil Master
Model Number	DPP20
Product Type	Auto Part (Grill Igniter Kit)
Package Dimensions (L x W x H)	16.51 cm x 12.192 cm x 5.334 cm
Item Dimensions (L x W x H)	10 x 10 x 5 inches
Item Weight	6.4 ounces
Installation Type	Screw-In or Bolt-On
UPC	720968100672
Date First Available	February 26, 2012

WARRANTY AND SUPPORT

Specific warranty details for the Broil Master Electronic Igniter Kit are not provided in this manual. For warranty information, technical support, or to purchase replacement parts, please contact Broil Master customer service or refer to their official website.

Always ensure you are using genuine Broil Master replacement parts to maintain the integrity and performance of your grill.



