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DRELD LS-9.5127

DRELD Hot Rod Ignitor Kit User Manual

Replacement for Louisiana Wood Pellet Grills and Pellet Smokers

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your DRELD Hot Rod Ignitor Kit. This replacement ignitor is designed for use with Louisiana Wood Pellet Grills and Pellet Smokers (excluding PTG models), ensuring reliable ignition for your grilling needs. Please read this manual thoroughly before installation and use to ensure safe and effective operation.

2. SAFETY INFORMATION

WARNING: Always disconnect power to your grill before attempting any installation, maintenance, or repair. Failure to do so can result in electric shock, fire, or serious injury.

- Ensure the grill is completely cool before handling any internal components.
- Wear appropriate personal protective equipment, such as gloves, during installation.
- Verify that the replacement ignitor's specifications match your grill's requirements (120V, 300W).
- Confirm the spade connector style before ordering and installation to ensure compatibility.
- Keep children and pets away from the grill during installation and operation.

3. PRODUCT OVERVIEW

The DRELD Hot Rod Ignitor Kit is a high-quality replacement part designed to restore the ignition function of your pellet grill. It features a durable heating element and a heat-woven wire lead for reliable performance.

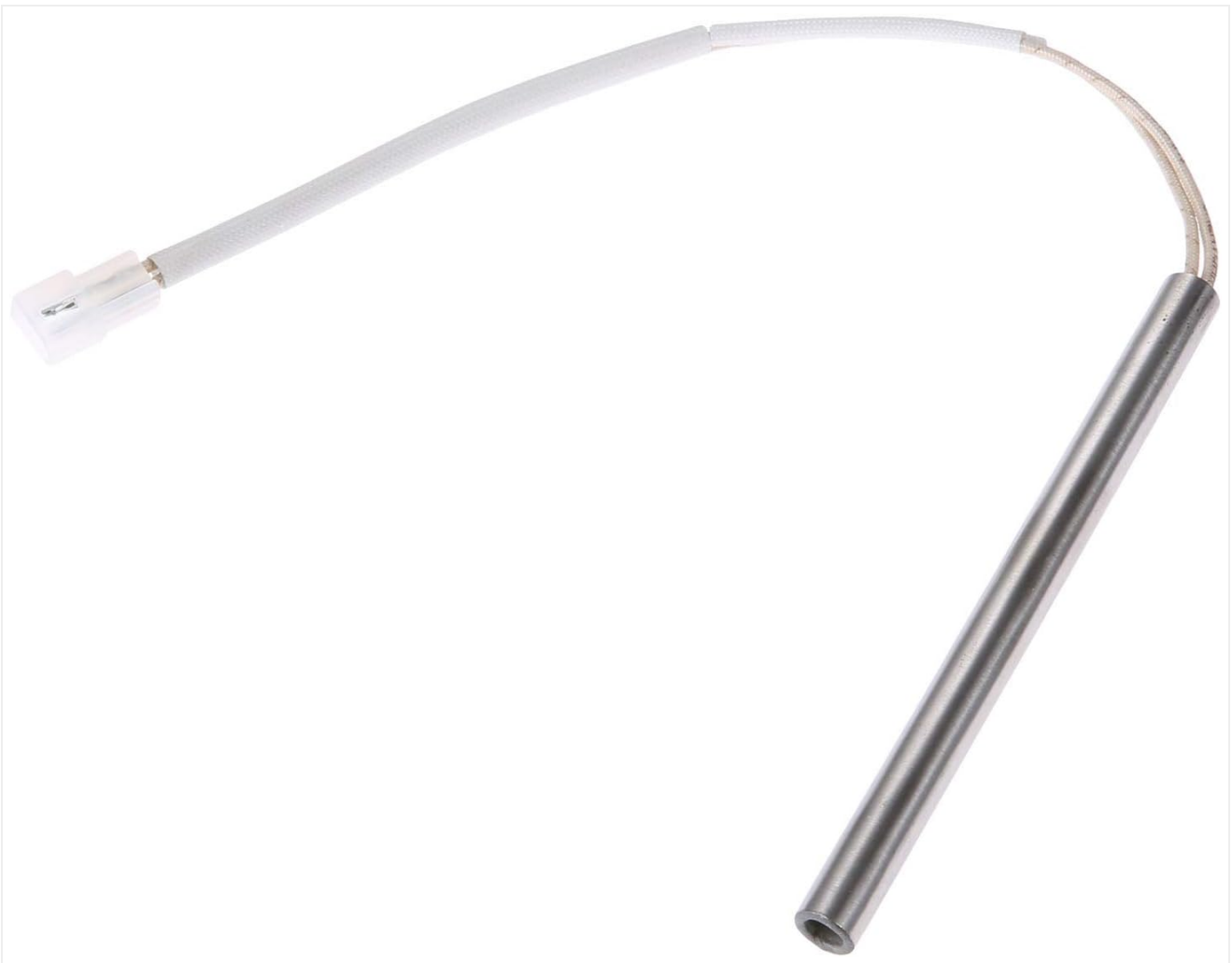


Figure 3.1: DRELD Hot Rod Ignitor Kit. This image shows the complete ignitor kit, featuring the metal heating rod and the attached wire with a connector.

Key Features:

- Compatible with most Louisiana grill models (EXCEPT PTG).
- 300 Watt / 120 Volt power rating.
- 5-inch (12.7cm) x 3/8-inch high-density cartridge heating element.
- 8.46-inch (21.5cm) heat-woven wire lead with Small Molex Quick Connector.
- Designed for quick and efficient wood pellet ignition.



Figure 3.2: Ignitor Kit Dimensions. This image illustrates the key dimensions of the ignitor rod and its wire lead, including the 5-inch rod length, 3/8-inch diameter, and 8.46-inch wire length.



Compatible with
all Louisiana grill mode (EXCEPT PTG)

Figure 3.3: Ignitor Kit Compatibility. This image illustrates the ignitor kit and indicates its compatibility with various Louisiana grill models, explicitly noting that PTG models are an exception.

4. SPECIFICATIONS

Attribute	Value
Model Number	LS-9.5127
Power Rating	300 Watt / 120 Volt
Heating Element Dimensions	5 inches (12.7 cm) length x 3/8 inches diameter
Wire Lead Length	8.46 inches (21.5 cm)
Connector Type	Small Molex Quick Connector
Package Dimensions	7.87 x 3.62 x 0.55 inches
Item Weight	3.2 ounces
Manufacturer	DRELD
ASIN	B07R4LC5RF



Figure 4.1: Ignitor Kit Components and Specifications. This image displays the ignitor rod alongside a burn pot, highlighting its integration and reiterating its 300 Watt / 120 Volt power, 5-inch length, and 8.46-inch wire lead with Molex connector.

5. INSTALLATION INSTRUCTIONS

Follow these steps carefully to replace the hot rod ignitor in your Louisiana Wood Pellet Grill. Refer to your grill's specific manual for detailed disassembly instructions if needed.

1. **Disconnect Power:** Ensure your grill is unplugged from the power outlet and completely cool before beginning.
2. **Access the Ignitor:** Depending on your grill model, you may need to remove the grill grates, drip pan, and heat baffle to access the burn pot and the existing ignitor. This typically involves removing a few screws.
3. **Locate the Old Ignitor:** The hot rod ignitor is usually inserted into the burn pot. Identify its wiring connection.
4. **Disconnect Wiring:** Carefully disconnect the existing ignitor's wiring from the main control board or wiring harness. Note the routing of the wire.
5. **Remove Old Ignitor:** Loosen any screws or clips securing the old ignitor to the burn pot or grill frame. Gently pull the old ignitor out.
6. **Install New Ignitor:** Insert the new DRELD Hot Rod Ignitor into the designated opening in the burn pot. Ensure it is properly seated.
7. **Secure New Ignitor:** Tighten any screws or clips to secure the new ignitor in place.
8. **Connect Wiring:** Connect the new ignitor's Molex quick connector to the corresponding connector on your grill's wiring harness. Ensure a secure connection.
9. **Positioning for Best Performance:** For optimal performance, ensure the ignitor tip extends approximately 1/8 inch to 1/4 inch into the burn pot.
10. **Reassemble Grill:** Carefully reassemble the heat baffle, drip pan, and grill grates.
11. **Test:** Plug in your grill and perform a test ignition cycle to ensure the new ignitor is functioning correctly.



Figure 5.1: Ignitor Installation Diagram. This image illustrates the proper insertion depth of the ignitor into the burn pot, recommending 1/8 to 1/4 inch for best performance.

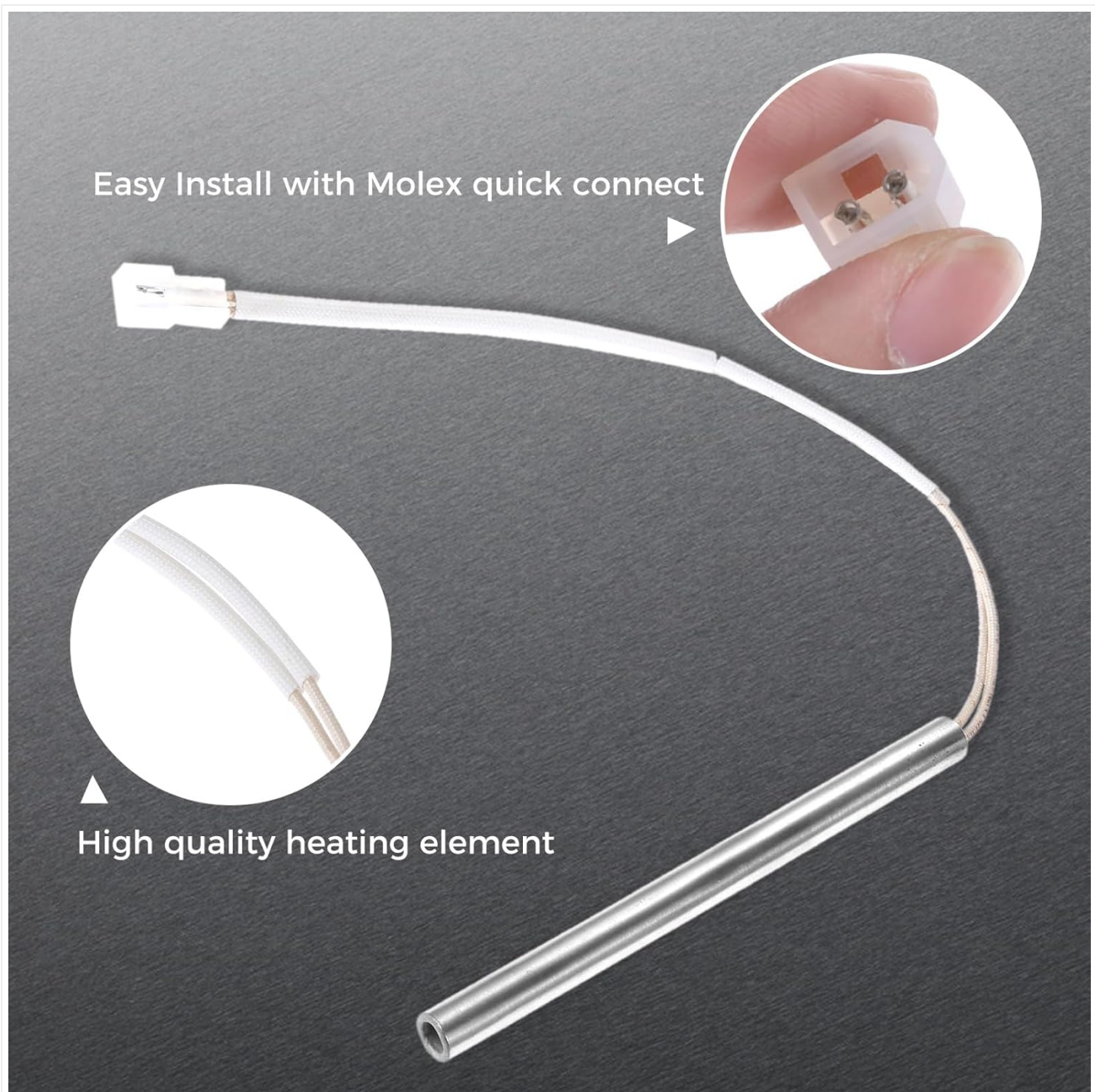


Figure 5.2: Molex Quick Connect and High Quality Element. This image highlights the Molex quick connector for easy installation and emphasizes the high-quality heating element of the ignitor.

6. OPERATING PRINCIPLES

The hot rod ignitor is a critical component in your pellet grill's automatic ignition system. When the grill is turned on and set to ignite, the ignitor heats up rapidly to a high temperature. This heat ignites the wood pellets in the burn pot, initiating the combustion process for cooking.

- The ignitor's primary function is to quickly bring the pellets to their ignition temperature.
- Once the pellets are burning, the ignitor typically deactivates, and the fan maintains the flame.
- A properly functioning ignitor ensures a consistent and reliable start-up for your grill.



300 Watt /120 volt,5" (12.7cm) x 3/8" high density cartridge heating element, 24" (60cm) heat woven wire lead, c/w Small Molex Quick Connector, when your current hot rod shortens or burns, this replacement part will ensure that your grill continues to function effectively.

Figure 6.1: Pellet Grill Usage. This image depicts various delicious foods being cooked on a pellet grill, showcasing the end result of a properly functioning ignitor and grill system.

7. MAINTENANCE

While the ignitor itself requires minimal maintenance, ensuring the surrounding components are clean can prolong its lifespan and ensure consistent performance.

- **Clean the Burn Pot:** Regularly clean the burn pot to remove ash and unburnt pellets. A buildup of debris can hinder the ignitor's ability to heat pellets effectively.
- **Inspect Wiring:** Periodically check the ignitor's wiring for any signs of wear, fraying, or damage.
- **Proper Seating:** Ensure the ignitor remains properly seated in the burn pot. Accidental bumps or cleaning can sometimes dislodge it slightly.

8. TROUBLESHOOTING

If your grill is experiencing ignition issues after installing the new hot rod ignitor, consider the following troubleshooting steps:

- **Grill Not Igniting:**

- **Check Power Connection:** Ensure the grill is properly plugged in and receiving power.
- **Verify Ignitor Connection:** Double-check that the ignitor's Molex connector is securely attached to the wiring harness.
- **Inspect Ignitor Seating:** Confirm the ignitor is correctly positioned and extends into the burn pot by the recommended 1/8 to 1/4 inch.
- **Clean Burn Pot:** A dirty burn pot with excessive ash can prevent proper pellet ignition. Clean it thoroughly.
- **Pellet Quality:** Ensure you are using dry, high-quality wood pellets. Damp or poor-quality pellets may not ignite properly.

- **GFCI Breaker Tripping:**

- If your Ground Fault Circuit Interrupter (GFCI) trips when the grill is turned on, it may indicate a short circuit. While this ignitor is designed with improved insulation, inspect all wiring for pinches or damage. If the issue persists, consult a qualified electrician or grill technician.

- **Slow Ignition:**

- Ensure the ignitor is fully inserted and positioned correctly.
- Check for any obstructions in the burn pot that might impede airflow or pellet contact with the ignitor.

If these steps do not resolve the issue, the ignitor may be faulty, or there could be an issue with the grill's control board. Contact customer support for further assistance.

9. WARRANTY AND SUPPORT

The DRELD Hot Rod Ignitor Kit comes with a **One-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures that the product functions as intended under normal use.

If you encounter any issues with your ignitor kit or require technical assistance, please contact DRELD customer support through the retailer where you purchased the product or visit the official DRELD brand store for contact information.

For more information and to explore other DRELD products, please visit the DRELD Store on Amazon.