

Catilon PG24-21

Catilon PG24-21 Hot Rod Ignitor: Pellet Grill Heating Rod Replacement Instruction Manual

Model: PG24-21

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Catilon PG24-21 Hot Rod Ignitor. This component is designed as a replacement heating rod for various wood pellet grills, ensuring efficient and reliable ignition. Please read these instructions thoroughly before installation and use to ensure proper function and safety.



Image 1.1: The Catilon PG24-21 Hot Rod Ignitor, showing the heating element, wiring, connector, and an included fuse.

2. COMPATIBILITY

The Catilon PG24-21 Hot Rod Ignitor is compatible with a range of wood pellet grills. It serves as a direct replacement for part numbers PG24-21 and 70112.

- Pit Boss wood pellet grills
- Camp Chef wood pellet grills
- Oklahoma Joes Rider DLX Pellet Grills models

Note: This hot rod ignitor is not compatible with Green Mountain Grills.



WIDE COMPATIBILITY

Compatible with Pit Boss, Camp Chef wood pellet grills
Replacement for Oklahoma Joes Rider DLX Pellet Grills models
Part number: PG24-21, 70112

Image 2.1: The ignitor positioned near a grill, emphasizing its broad compatibility with different pellet grill brands.

3. PRODUCT FEATURES AND QUALITY

The PG24-21 Hot Rod Ignitor is constructed from durable materials designed for longevity and consistent performance in high-temperature environments.

- **Material:** High-quality stainless steel rod for durability and corrosion resistance.
- **Wiring:** High-temperature mica wire ensures safe and reliable electrical connection under heat.
- **Function:** Designed to provide continuous temperatures up to 1200°F (650°C) to ensure efficient ignition and stable flame maintenance in your pellet grill.
- **Power:** Operates at 120V with a 200W rating.

HIGH QUALITY



Image 3.1: Detailed view of the ignitor's construction, emphasizing its quality materials and design.

4. SPECIFICATIONS

Feature	Detail
Model Number	PG24-21
Part Numbers Replaced	PG24-21, 70112
Voltage	120V
Wattage	200W
Hot Rod Length	4.3 inches (10.9 cm)
Rod Diameter	0.37 inches (0.95 cm)
Wires Length	24 inches (60 cm)
Product Dimensions	7 x 2 x 0.69 inches
Item Weight	1.76 ounces

SIZE DETAIL



Image 4.1: Dimensional drawing of the PG24-21 ignitor, providing precise measurements for installation reference.

5. SAFETY INFORMATION

Always prioritize safety when working with electrical components and heating elements. Failure to follow these safety guidelines may result in injury or damage to property.

- **Disconnect Power:** Always ensure the grill is unplugged from the power source before attempting any installation, maintenance, or inspection.
- **Cool Down:** Allow the grill and ignitor to cool completely before handling to prevent burns.
- **Proper Tools:** Use appropriate tools for installation and ensure all connections are secure.
- **Electrical Safety:** Do not expose electrical components to water or excessive moisture. Ensure wiring is not pinched or damaged during reassembly.
- **Professional Assistance:** If you are unsure about any step of the installation or repair process, consult a qualified technician or refer to official grill manufacturer guidelines.

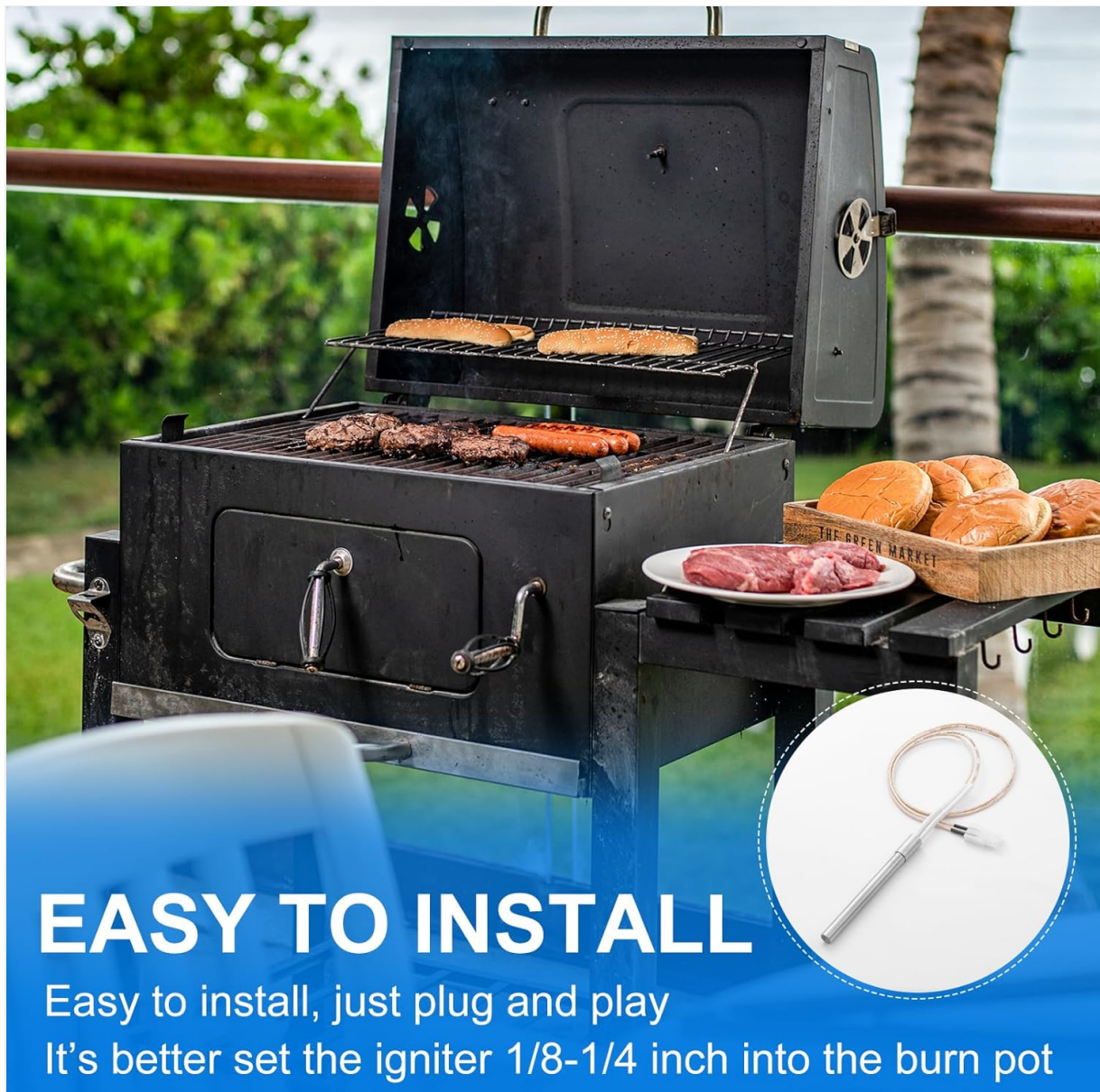
6. INSTALLATION INSTRUCTIONS (SETUP)

Replacing the hot rod ignitor is generally a straightforward process. Follow these steps carefully:

1. **Power Disconnection:** Ensure your pellet grill is completely unplugged from the electrical outlet.

2. **Access the Burn Pot:** Depending on your grill model, you may need to remove the grill grates, drip pan, and heat baffle to access the burn pot where the ignitor is located.
3. **Locate Old Ignitor:** Identify the existing hot rod ignitor. It typically extends into the burn pot.
4. **Disconnect Wiring:** Trace the ignitor wires back to their connection point, usually near the controller or a junction box. Disconnect the old ignitor's wiring.
5. **Remove Old Ignitor:** Carefully unfasten and remove the old ignitor from its mounting bracket or housing.
6. **Install New Ignitor:** Insert the new Cation PG24-21 Hot Rod Ignitor into the designated opening. It is crucial to set the ignitor so that approximately **1/8 to 1/4 inch (3-6 mm)** of the rod protrudes into the burn pot. Incorrect depth can lead to inefficient ignition or premature failure.
7. **Secure Ignitor:** Fasten the new ignitor securely in place using the existing mounting hardware or new hardware if provided.
8. **Connect Wiring:** Connect the new ignitor's wiring to the corresponding terminals. Ensure a snug and secure connection.
9. **Reassemble Grill:** Reinstall the heat baffle, drip pan, and grill grates.
10. **Test:** Plug the grill back into the power source and perform a test ignition cycle according to your grill's manufacturer instructions.

For visual guidance, many installation videos for pellet grill ignitors are available on platforms like YouTube. Search for "[Your Grill Brand] ignitor replacement" for model-specific instructions.



EASY TO INSTALL

Easy to install, just plug and play

It's better set the igniter 1/8-1/4 inch into the burn pot

Image 6.1: The ignitor shown in context with a pellet grill, indicating a straightforward installation process.

7. OPERATION

The Catilon PG24-21 Hot Rod Ignitor is an integral part of your pellet grill's ignition system. When the grill is turned on and set to ignite, the ignitor heats up rapidly to a high temperature (up to 1200°F).

- **Ignition Process:** The hot rod ignites the wood pellets in the burn pot, initiating the combustion process.
- **Temperature Maintenance:** Once the pellets are ignited and a stable flame is established, the ignitor typically cycles off, and the grill's fan and auger system maintain the desired temperature.
- **Continuous Fuel Burning:** The ignitor's function is to ensure continuous burning of fuel, providing the necessary heat for cooking.



Image 7.1: The ignitor's contribution to a functional grill, ensuring consistent heat for cooking.

8. MAINTENANCE

Regular maintenance helps prolong the life of your ignitor and ensures optimal grill performance.

- **Inspection:** Periodically inspect the ignitor rod for excessive ash buildup or physical damage.
- **Cleaning:** If ash buildup is present, gently brush it off with a soft brush (after ensuring the grill is cool and unplugged). Avoid using abrasive materials or liquids on the ignitor rod.
- **Wiring Check:** Ensure all wiring connections remain secure and free from damage.

- **Burn Pot Cleanliness:** Keep the burn pot clean of excess ash and unburnt pellets, as this can affect ignitor performance.

9. TROUBLESHOOTING

If your grill is experiencing ignition issues, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Grill not igniting	Ignitor not heating, insufficient pellet feed, wet pellets, clogged burn pot.	<ul style="list-style-type: none"> ◦ Check ignitor for visible glow during startup (if safe to observe). ◦ Verify ignitor wiring connections are secure. ◦ Ensure ignitor is inserted 1/8-1/4 inch into the burn pot. ◦ Clean burn pot of excess ash. ◦ Check pellet hopper for sufficient, dry pellets. ◦ Inspect the fuse (if applicable) and replace if blown.
Ignitor fails prematurely	Incorrect insertion depth, power surges, manufacturing defect.	<ul style="list-style-type: none"> ◦ Re-check ignitor insertion depth (1/8-1/4 inch into burn pot). ◦ Ensure grill is connected to a stable power source. ◦ Contact Catilon support if issues persist after verifying installation.

10. WARRANTY AND SUPPORT

Catilon products are designed for quality and reliability. Every product comes with a warranty. For specific warranty details, claims, or technical support, please contact Catilon customer service. You can typically find contact information on the Catilon official website or through your purchase platform.

For additional information or to explore other Catilon products, visit the [Catilon Store on Amazon](#).