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› [CUIPPWRJ](#) /

› [CUIPPWRJ Ignition Coil Module User Manual for Loncin LC1P90F/LC1P92F Engines](#)

CUIPPWRJ CUIPPWRJ123

CUIPPWRJ Ignition Coil Module User Manual

For Loncin LC1P90F, LC1P92F, and Compatible Vertical Axis Engines

[Overview](#)

[Compatibility](#)

[Safety](#)

[Installation](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Warranty &](#)

[Support](#)

[Specifications](#)

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your CUIPPWRJ Ignition Coil Module. This component is designed to provide the necessary spark for your engine's combustion process, ensuring reliable starting and efficient performance. Please read this manual thoroughly before installation or use.

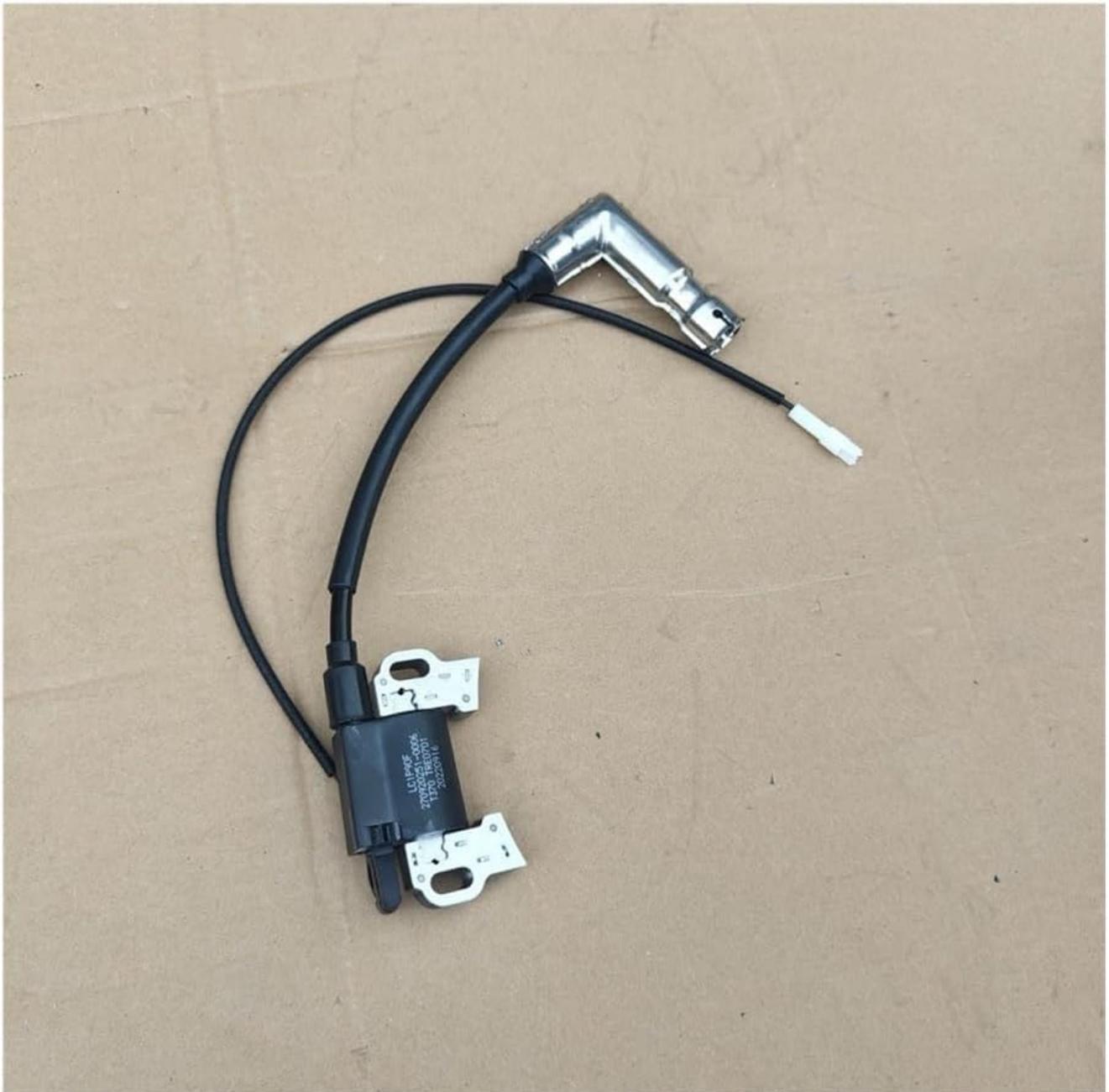


Figure 1: Overview of the CUIPPWRJ Ignition Coil Module, showing the main coil body and the attached spark plug boot.

2. COMPATIBILITY

The CUIPPWRJ Ignition Coil Module is specifically designed to be compatible with the following Loncin vertical axis engine models:

- Loncin LC1P92F
- Loncin LC1P92F1
- Loncin LC1P90F
- Loncin 1P90
- Loncin 1P92
- Loncin 452cc Vertical Axis Engines

Please verify your engine's model number before purchasing or installing this part to ensure proper fit and function.



Figure 2: Detailed view of the ignition coil module, highlighting the part number markings for compatibility verification.

3. PRODUCT FEATURES

This ignition coil module offers several key features:

- **Durable Construction:** Built with robust materials for extended lifespan and consistent performance in demanding engine environments.
- **Precise Compatibility:** Engineered to exact specifications for a perfect fit and reliable operation with specified Loncin engine models.
- **Efficient Spark Delivery:** Designed to restore optimal engine performance by providing a strong, consistent spark for efficient combustion.
- **Versatile Application:** Suitable for a range of Loncin vertical axis engines, making it a practical replacement part.
- **Cost-Effective Solution:** Offers an economical option for maintaining or repairing your engine's ignition system.

4. SAFETY INFORMATION

Always prioritize safety when working with engine components. Failure to follow safety precautions can result in serious injury or damage to equipment.

- **Disconnect Power:** Before performing any installation or maintenance, ensure the engine is completely off and the spark plug wire is disconnected to prevent accidental starting.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses and gloves.
- **Engine Cool Down:** Allow the engine to cool completely before handling any components to avoid burns.
- **Handle with Care:** Ignition coils contain sensitive electronic components. Handle the module carefully to avoid damage.
- **Professional Assistance:** If you are unsure about any step of the installation or repair process, consult a qualified engine mechanic.

5. INSTALLATION GUIDE

Installing an ignition coil module requires careful attention to detail. Refer to your specific engine's service manual for detailed instructions and torque specifications. The following steps are general guidelines:

1. Preparation:

- Ensure the engine is off and cool.
- Disconnect the spark plug wire from the spark plug.
- Locate the existing ignition coil module on the engine.

2. Remove Old Coil:

- Carefully disconnect any electrical wires connected to the old coil.
- Unscrew the mounting bolts that secure the coil to the engine block.
- Remove the old ignition coil and spark plug boot.

3. Install New Coil:

- Position the new CUIPPWRJ Ignition Coil Module in place, ensuring the mounting holes align.
- Insert and hand-tighten the mounting bolts.
- **Set Air Gap:** This is a critical step. Use a non-magnetic feeler gauge (typically 0.010-0.014 inches or as specified by your engine manual) between the coil's laminations and the flywheel magnets. Rotate the flywheel until the magnets are directly under the coil. Loosen the mounting bolts slightly, allowing the coil to be drawn to the flywheel by magnetic force. Tighten the mounting bolts while maintaining the correct air gap.
- Connect the electrical wires to the new coil, ensuring a secure connection.
- Attach the spark plug boot firmly to the spark plug.

4. Test:

- Once installed, attempt to start the engine to verify proper function.



Figure 3: The spark plug boot, which connects the ignition coil to the spark plug, ensuring proper electrical transfer.

6. OPERATION

Once correctly installed, the CUIPPWRJ Ignition Coil Module operates automatically as part of your engine's ignition system. Its primary function is to transform the low voltage from the engine's charging system into the high voltage required to create a spark at the spark plug. This spark ignites the air-fuel mixture in the combustion chamber, allowing the engine to run.

Proper operation is indicated by consistent engine starting and smooth running. If the engine experiences misfires, difficulty starting, or rough idling after installation, refer to the troubleshooting section.

7. MAINTENANCE

The CUIPPWRJ Ignition Coil Module is designed for durability and typically requires minimal maintenance. However, periodic inspection can help ensure its longevity and optimal performance:

- **Visual Inspection:** Periodically inspect the coil module and its wiring for any signs of physical damage, corrosion, or loose connections.

- **Spark Plug Boot:** Check the spark plug boot for cracks, tears, or signs of arcing. A damaged boot can lead to spark loss.
- **Cleanliness:** Keep the area around the ignition coil clean and free from debris, oil, and moisture, which can interfere with its operation.
- **Air Gap:** If engine performance degrades, re-check the air gap between the coil and the flywheel as described in the installation section.

Always ensure the engine is off and cool before performing any inspection or maintenance.

8. TROUBLESHOOTING COMMON ISSUES

If you experience problems after installing the ignition coil, consider the following common issues and solutions:

Symptom	Possible Cause	Solution
Engine will not start / No spark	Incorrect air gap, loose wiring, faulty spark plug, damaged coil.	Verify air gap setting. Check all electrical connections. Test or replace spark plug. Inspect coil for damage.
Engine misfires or runs rough	Incorrect air gap, fouled spark plug, fuel delivery issues, carburetor problems.	Re-check air gap. Clean or replace spark plug. Ensure proper fuel flow. Consult engine manual for carburetor adjustments.
Engine starts but dies quickly	Intermittent spark, fuel supply issues, engine timing.	Check for consistent spark. Verify fuel filter and lines. Consult engine manual for timing checks.

If troubleshooting steps do not resolve the issue, it is recommended to seek assistance from a qualified service technician.

9. PRODUCT SPECIFICATIONS

Key specifications for the CUIPPWRJ Ignition Coil Module:

Specification	Detail
Brand	CUIPPWRJ
Model Number	CUIPPWRJ123
Compatible Engine Types	Loncin LC1P92F, LC1P92F1, LC1P90F, 1P90, 1P92, 452cc Vertical Axis Engines
Item Weight	1.76 ounces (approx. 50 grams)
Package Dimensions	1.18 x 0.79 x 0.39 inches (approx. 3 x 2 x 1 cm)
ASIN	B0DXD171DD



Figure 4: Another view of the ignition coil module, showcasing its compact design and mounting brackets.

10. WARRANTY AND SUPPORT

For specific warranty information regarding your CUIPPWRJ Ignition Coil Module, please refer to the documentation provided at the time of purchase or contact the seller directly. Warranty terms typically cover manufacturing defects. If you require technical support or have questions not covered in this manual, please reach out to the CUIPPWRJ customer service team or the retailer from whom you purchased the product. When contacting support, please have your product model number (CUIPPWRJ123) and purchase details readily available.

For general inquiries or to find more information about CUIPPWRJ products, you may visit the manufacturer's official website if available, or search for "CUIPPWRJ" online.

