

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

Manuals.plus /

- › [CHERISH-AUTO](#) /
- › [CHERISH-AUTO 90919-02273 Ignition Coil Set User Manual](#)

CHERISH-AUTO CRLI-GDLQP-10046436

CHERISH-AUTO 90919-02273 Ignition Coil Set User Manual

Model: CRLI-GDLQP-10046436

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your CHERISH-AUTO 90919-02273 Ignition Coil Set. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

The CHERISH-AUTO 90919-02273 Ignition Coils are designed to provide reliable ignition performance for compatible vehicles. This set includes 4 ignition coils.

PRODUCT OVERVIEW



Figure 1: Front view of a single CHERISH-AUTO 90919-02273 ignition coil, showing the main body

and electrical connector.



Figure 2: Angled view of the ignition coil, highlighting the boot and connector.



Figure 3: Side profile of the ignition coil, showing its elongated cylindrical shape.



Figure 4: Another perspective of the ignition coil, emphasizing the mounting points.



Figure 5: Top view of the ignition coil, showing the internal contact for the spark plug.

COMPATIBILITY VERIFICATION

Before installation, it is crucial to verify the compatibility of these ignition coils with your vehicle. The most accurate method is to compare the OEM part number **90919-02273** with the part number of your vehicle's existing ignition coils. If you are unsure, please consult a qualified mechanic or contact CHERISH-AUTO customer support with your

vehicle's 17-digit Vehicle Identification Number (VIN).

SETUP AND INSTALLATION

Disclaimer: Installation of automotive parts can be complex and may require specialized tools and knowledge. If you are not confident in your ability to perform this installation, it is recommended to seek assistance from a certified automotive technician.

1. **Safety First:** Ensure the vehicle's engine is cool and the battery's negative terminal is disconnected to prevent electrical shock or damage to the vehicle's electrical system.
2. **Locate Existing Coils:** Identify the location of the existing ignition coils on your engine. They are typically mounted directly on top of the spark plugs or connected via spark plug wires.
3. **Disconnect Electrical Connectors:** Carefully disconnect the electrical connector from each ignition coil. Press the release tab and pull gently. Avoid pulling on the wires.
4. **Remove Mounting Bolts:** Use the appropriate wrench or socket to remove any bolts securing the ignition coils to the engine.
5. **Remove Old Coils:** Gently pull the old ignition coils straight up and out of their spark plug wells. Inspect the spark plug wells for any debris or oil and clean if necessary.
6. **Install New Coils:** Insert the new CHERISH-AUTO ignition coils into the spark plug wells, ensuring they seat properly over the spark plugs. Apply a small amount of dielectric grease to the inside of the coil boot if recommended by your vehicle manufacturer.
7. **Secure New Coils:** Reinstall the mounting bolts and tighten them to the manufacturer's specified torque. Do not overtighten.
8. **Reconnect Electrical Connectors:** Reconnect the electrical connectors to each new ignition coil, ensuring they click into place securely.
9. **Reconnect Battery:** Reconnect the negative terminal of the vehicle's battery.
10. **Test Operation:** Start the engine and check for any warning lights or unusual engine operation. If issues persist, refer to the Troubleshooting section.

OPERATING PRINCIPLES

Ignition coils are a critical component of a vehicle's ignition system. Their primary function is to transform the low voltage from the vehicle's battery into the high voltage (tens of thousands of volts) required to create a spark across the spark plug gap. This spark ignites the air-fuel mixture in the engine's cylinders, initiating combustion and powering the engine.

Each CHERISH-AUTO 90919-02273 ignition coil is designed to deliver a consistent and powerful spark, contributing to efficient fuel combustion and optimal engine performance.

MAINTENANCE

Ignition coils are generally maintenance-free components. However, regular inspection of related components can help ensure their longevity and optimal performance:

- **Spark Plugs:** Replace spark plugs according to your vehicle manufacturer's recommended service intervals. Worn spark plugs can put additional strain on ignition coils.
- **Electrical Connections:** Periodically check the electrical connectors to the ignition coils for corrosion or

looseness. Ensure they are clean and securely attached.

- **Coil Boots:** Inspect the rubber boots on the ignition coils for cracks, tears, or signs of degradation. Damaged boots can lead to spark leakage.
- **Engine Bay Cleanliness:** Keep the engine bay clean and free of excessive oil or debris, which can affect electrical components.

TROUBLESHOOTING

If you experience issues after installing the ignition coils, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Engine Misfire / Rough Idling	Incorrect coil installation, faulty spark plug, loose electrical connection, incorrect coil for vehicle.	Verify all coils are seated correctly and electrical connectors are secure. Check spark plugs. Confirm coil compatibility with VIN.
Check Engine Light (CEL) with Misfire Codes (e.g., P030X)	Faulty ignition coil, wiring issue, or related component failure.	Use an OBD-II scanner to identify the specific cylinder misfiring. Swap the coil with a known good one to confirm if the coil is faulty. Inspect wiring.
Engine Cranks but Does Not Start	No spark from coils, fuel delivery issue, or other major engine problem.	Confirm spark at each cylinder. Check fuel pressure. Consult a professional mechanic.

If troubleshooting steps do not resolve the issue, it is recommended to consult a certified automotive technician for diagnosis and repair.

SPECIFICATIONS

- **Brand:** CHERISH-AUTO
- **Part Number (OEM):** 90919-02273
- **Model Number:** CRLI-GDLQP-10046436
- **Product Dimensions:** 3.15 x 1.18 x 2.36 inches (L x W x H)
- **Color:** Black
- **Quantity:** 4 PCS (Ignition coils)
- **Batteries Required:** No

WARRANTY AND SUPPORT

CHERISH-AUTO provides a **one-year quality guarantee** for this product. For any quality-related issues or technical assistance, please contact CHERISH-AUTO customer support. When contacting support, please have your purchase details and vehicle information (including VIN) available.

For further inquiries or to verify compatibility, you may contact the seller directly. They can assist with vehicle identification number (VIN) verification to ensure proper fitment.

