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› Standard Motor Products LX-1119 Ignition Control Unit User Manual

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Standard Motor Products LX-1119 Ignition Control Unit User Manual

Model: LX-1119

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Standard Motor Products LX-1119 Ignition Control Unit. This unit is designed to regulate the ignition system in compatible vehicles, ensuring optimal engine performance and fuel efficiency. Please read this manual thoroughly before attempting any installation or service.



Figure 1: Overview of the LX-1119 Ignition Control Unit. This image displays the main body of the ignition control unit, highlighting its compact design and primary

2. PRODUCT FEATURES

- **Direct Fit Replacement:** Engineered to match the fit and function of the original equipment ignition control unit.
- **Durable Construction:** Manufactured with high-quality materials for extended service life and resistance to harsh automotive environments.
- **Optimized Performance:** Designed to deliver precise ignition timing and consistent spark delivery for reliable engine operation.
- **Rigorous Testing:** Each unit undergoes thorough testing to ensure reliability and performance standards are met.

3. SAFETY INFORMATION

Always prioritize safety when working on vehicle electrical systems. Failure to follow safety precautions can result in serious injury or damage to the vehicle.

- **Disconnect Battery:** Before beginning any work, always disconnect the vehicle's negative battery terminal to prevent accidental electrical shorts or shocks.
- **Wear Protective Gear:** Use appropriate personal protective equipment, including safety glasses and gloves.
- **Consult Vehicle Manual:** Refer to your vehicle's specific service manual for detailed instructions and wiring diagrams relevant to your make and model.
- **Professional Installation Recommended:** If you are not familiar with automotive electrical systems, it is highly recommended to have this unit installed by a qualified automotive technician.

4. SETUP AND INSTALLATION

The LX-1119 Ignition Control Unit is a direct replacement part. Installation typically involves removing the old unit and connecting the new one. Specific steps may vary by vehicle model.

1. **Preparation:** Ensure the vehicle's engine is cool. Disconnect the negative battery cable.
2. **Locate Old Unit:** Identify the existing ignition control unit in your vehicle. Its location can vary (e.g., near the distributor, on the fender well, or integrated into the ignition coil assembly).
3. **Disconnect Wiring:** Carefully disconnect all electrical connectors and wiring harnesses attached to the old unit. Note their positions for reinstallation.
4. **Remove Old Unit:** Unbolt or unclip the old ignition control unit from its mounting bracket.
5. **Install New Unit:** Mount the new LX-1119 unit in the same location using the original hardware. Ensure it is securely fastened.
6. **Connect Wiring:** Reconnect all electrical connectors and wiring harnesses to the new unit. Ensure connections are firm and correctly seated.
7. **Final Check:** Double-check all connections and ensure no wires are pinched or exposed.
8. **Reconnect Battery:** Reconnect the negative battery cable.
9. **Test:** Start the vehicle and check for proper engine operation.



Figure 2: LX-1119 Ignition Control Unit showing attached wiring. This image illustrates the main body of the unit along with its integrated wiring harness, providing a visual reference for connection points.



Figure 3: Detailed view of an electrical connector on the LX-1119 unit. This close-up highlights the design of the electrical terminal, important for ensuring secure and proper connections during installation.

5. OPERATING INSTRUCTIONS

The Standard Motor Products LX-1119 Ignition Control Unit operates automatically as part of your vehicle's ignition system. Once correctly installed, it requires no manual intervention. Its primary function is to receive signals from the engine's sensors and precisely control the timing and duration of the ignition coil's primary circuit, ensuring the spark plugs fire at the optimal moment for combustion.

6. MAINTENANCE

The LX-1119 Ignition Control Unit is designed to be maintenance-free under normal operating conditions. However, periodic checks can help ensure its longevity and proper function:

- **Inspect Connections:** Periodically check all electrical connections to the unit for corrosion, looseness, or damage. Clean any corrosion with a suitable electrical contact cleaner.

- **Wiring Integrity:** Ensure that the wiring harness connected to the unit is not frayed, cracked, or exposed. Repair or replace damaged wiring as necessary.
- **Environmental Protection:** Keep the area around the unit free from excessive dirt, moisture, or debris.

7. TROUBLESHOOTING

If you experience issues after installing the LX-1119 unit, consider the following common troubleshooting steps. Note that complex ignition system diagnostics often require specialized tools and knowledge.

Symptom	Possible Cause	Solution
Engine cranks but won't start (no spark)	Incorrect wiring, faulty connections, other ignition component failure (e.g., coil, distributor)	Verify all connections are secure. Test other ignition components. Consult a professional mechanic.
Engine misfires or runs rough	Loose connection, faulty spark plugs/wires, fuel system issue, or other engine sensor problem	Check all electrical connections. Inspect spark plugs and wires. Diagnose other potential engine issues.
Intermittent engine stalling	Heat-related failure of the unit, loose connections, or other electrical system issues	Ensure proper heat dissipation if applicable. Check for intermittent shorts or open circuits.

Note: If troubleshooting steps do not resolve the issue, it is recommended to seek assistance from a certified automotive technician.

8. SPECIFICATIONS

Model Number: LX-1119
Manufacturer Part Number: LX1119
Brand: Standard Motor Products
Item Weight: 1 Pounds (approx. 0.45 kg)
Package Dimensions: 8.17 x 7.65 x 6.96 inches (approx. 20.75 x 19.43 x 17.68 cm)
UPC: 025623052755
ASIN: B004J9J2MA

9. WARRANTY INFORMATION

Specific warranty terms for the Standard Motor Products LX-1119 Ignition Control Unit are provided by the manufacturer. Please refer to the warranty documentation included with your purchase or visit the official Standard Motor Products website for detailed information regarding warranty coverage, duration, and claims procedures. Keep your proof of purchase for warranty purposes.

10. SUPPORT AND CONTACT

For technical assistance, product inquiries, or support, please contact Standard Motor Products directly through their official channels. You can typically find contact information, including phone numbers and support forms, on their corporate website.
Manufacturer Website: www.smpcorp.com
When contacting support, please have your product model number (LX-1119) and purchase details readily available.

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