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## MSD 8222

# MSD 8222 Blaster Series High Vibration Ignition Coil Instruction Manual

Model: 8222 | Brand: MSD

## INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your MSD 8222 Blaster Series High Vibration Ignition Coil. Please read these instructions thoroughly before proceeding with installation or use to ensure optimal performance and safety.

## PRODUCT OVERVIEW

The MSD 8222 Blaster Series High Vibration Ignition Coil is designed to deliver improved output for electronic ignition systems. Its robust construction ensures reliability in demanding environments.

### Key Features:

- Improved output for electronic ignitions and MSD Ignitions (requires ballast resistor for points systems).
- Metal canister construction, epoxy-encased to protect windings from high vibration.
- CARB E.O. Approved for compliance.
- 100:1 turns ratio and lower primary resistance for high voltage output.





**Figure 1:** Front view of the MSD 8222 Blaster Series High Vibration Ignition Coil. This image displays the black canister-style coil with the MSD Blaster logo prominently featured on its silver label.

## **SAFETY INFORMATION**

Always observe safety precautions when working with automotive electrical systems. Disconnect the vehicle's battery before installation or maintenance. High voltage components can cause severe injury.

### **CALIFORNIA PROPOSITION 65 WARNING:**

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SETUP AND INSTALLATION

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Proper installation is crucial for the performance and longevity of your ignition coil. If you are unsure about any step, consult a qualified automotive technician.

### Tools Required:

- Wrench set
- Screwdriver set
- Wire strippers/crimpers
- Multimeter (for testing)

### Installation Steps:

1. **Disconnect Battery:** Ensure the vehicle's battery is disconnected to prevent electrical shock or damage to components.
2. **Locate Existing Coil:** Identify the current ignition coil in your vehicle.
3. **Remove Old Coil:** Carefully disconnect all wiring and mounting hardware from the old coil. Note the polarity of the connections.
4. **Mount New Coil:** Securely mount the MSD 8222 coil in the desired location. The canister design allows for mounting in various positions.
5. **Wire Connections:** Connect the primary and secondary wires to the new coil. Ensure correct polarity. For points systems, a ballast resistor is required. Refer to your vehicle's wiring diagram or MSD's specific wiring instructions for your ignition system.
6. **Spark Plug Wire Connection:** Connect the high-tension spark plug wire to the coil tower. Ensure a secure fit.
7. **Reconnect Battery:** Once all connections are secure and verified, reconnect the vehicle's battery.



**Figure 2:** Top view of the MSD 8222 Ignition Coil, showing the positive (+) and negative (-) terminals for primary wiring connections and the central high-tension tower for the spark plug wire.

## OPERATING INSTRUCTIONS

After successful installation, the MSD 8222 Ignition Coil operates in conjunction with your vehicle's ignition system to generate high voltage for spark plugs.

- Ensure all connections are tight and free from corrosion.
- Start the engine and check for proper operation. Listen for any unusual noises or misfires.
- The coil is designed for high-performance applications and will produce a strong spark. Avoid contact with the coil or spark plug wires while the engine is running.

## MAINTENANCE

The MSD 8222 Ignition Coil is designed for durability and requires minimal maintenance.

- Periodically inspect the coil and its connections for any signs of wear, damage, or corrosion.
- Ensure mounting hardware remains secure.
- Keep the coil clean and free from excessive dirt or debris.
- Replace spark plug wires if they show signs of degradation, as this can affect coil performance.

## TROUBLESHOOTING

If you experience issues with your ignition system after installing the MSD 8222 coil, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Spark / Weak Spark	Incorrect wiring, loose connections, faulty ballast resistor (if applicable), damaged spark plug wire, insufficient power supply.	Verify all wiring connections and polarity. Check for proper voltage supply to the coil. Test the ballast resistor if used. Inspect spark plug wires for damage.
Engine Misfire	Damaged spark plug wire, incorrect spark plug gap, other ignition system component failure.	Inspect spark plug wires and spark plugs. Ensure correct spark plug gap. Consult a technician if other ignition components are suspected.
Coil Overheating	Incorrect ballast resistor value (if applicable), continuous power supply without ignition module.	Ensure the correct ballast resistor is used for points systems. Verify the ignition system is functioning correctly and not providing constant power to the coil when it shouldn't.

For further assistance, contact MSD Technical Support.

## SPECIFICATIONS

Attribute	Value
Model Number	MSD-8222
Brand	MSD
Type	Ignition Coil, Canister Style
Application	Electronic Ignitions, MSD Ignitions (Ballast resistor required for points)
Turns Ratio	100:1
Primary Resistance	Lower (for high voltage output)
Construction	Metal canister, epoxy-encased
CARB E.O. Status	Approved
Item Dimensions (LxWxH)	6.5 x 3.8 x 2.6 inches
Item Weight	0.01 Ounces
Material	Plastic (for housing/cap), Metal (for canister)

## WARRANTY INFORMATION

This product comes with a manufacturer's warranty. For detailed information regarding warranty coverage, terms, and conditions, please refer to the official MSD Ignition website or contact MSD customer service directly. Keep your proof of purchase for warranty claims.





SUPPORT

For technical assistance, product inquiries, or further support, please visit the official MSD Ignition website or contact their customer support department.

**MSD Ignition Official Website:** [www.msperformance.com](http://www.msperformance.com)  
(Contact information such as phone numbers or email addresses may be available on the official website.)

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Related Documents - 8222

	<p><a href="#">MSD Digital 6 Plus Ignition Control Installation Instructions</a></p> <p>Comprehensive installation guide for the MSD Digital 6 Plus Ignition Control (PN 6520), covering operation, features, wiring, programming, troubleshooting, and compatibility with various vehicle systems. Includes detailed diagrams and technical specifications.</p>
	<p><a href="#">MSD Digital 6A and 6AL Ignition Control Installation Instructions</a></p> <p>Comprehensive installation guide for MSD Digital 6A and 6AL Ignition Controls, covering wiring, operation, features, programming, and troubleshooting for automotive enthusiasts.</p>
	<p><a href="#">MSD Digital 6M-3L Marine Ignition Installation Instructions</a></p> <p>Comprehensive installation guide for the MSD Digital 6M-3L Marine Ignition (PN 6564), covering features, wiring, programming, troubleshooting, and technical notes for marine applications.</p>
	<p><a href="#">MSD 2014 Performance Spark Plug Catalog &amp; Application Guide</a></p> <p>Explore the 2014 MSD Performance Spark Plug Catalog and Application Guide. This comprehensive resource details MSD's advanced spark plug technology, including features, benefits, installation guidance, and troubleshooting tips. It provides an extensive application list to help automotive enthusiasts and mechanics find the perfect MSD spark plugs for a wide range of vehicles, ensuring optimal engine performance and reliability.</p>



[MSD 6EFI Universal EFI Ignition Box PN 6415 Installation Instructions](#)

Comprehensive installation guide for the MSD 6EFI Universal EFI Ignition Box (PN 6415), covering product registration, parts included, general information, wiring functions, mounting, rev limiter, timing control setup, distributor installation, troubleshooting, and compatibility with various EFI systems like Holley, FiTECH, Edelbrock, and Fast EZ-EFI.



[MSD LS Ignition Control PN 6014/60143 Installation Instructions](#)

Installation guide and technical specifications for the MSD LS Ignition Control (PN 6014/60143), covering wiring, operation, features, software setup, and troubleshooting.