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› **MSD 8207 Blaster SS Ignition Coil User Manual**

## MSD 8207

# MSD 8207 Blaster SS Ignition Coil User Manual

**Brand:** MSD | **Model:** 8207

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MSD 8207 Blaster SS Ignition Coil. Designed for high-performance automotive applications, this coil delivers a powerful spark for improved combustion and engine efficiency. Please read this manual thoroughly before installation and operation to ensure proper function and safety.



Figure 1.1: Front view of the MSD 8207 Blaster SS Ignition Coil. This image shows the robust red housing and the primary terminals.

## 2. SAFETY INFORMATION

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**WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

Automotive ignition systems operate with high voltages. Improper handling can result in severe electrical shock, burns, or other injuries. Always observe the following safety precautions:

- Disconnect the vehicle's battery before performing any installation or maintenance.
- Ensure the ignition is OFF and the engine is cool before working on the ignition system.
- Wear appropriate personal protective equipment, including safety glasses and insulated gloves.
- Do not touch ignition components while the engine is running or the ignition is on.
- Consult a qualified automotive technician if you are unsure about any installation or troubleshooting steps.

## 3. PACKAGE CONTENTS

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Verify that all components are present in the package:

- MSD 8207 Blaster SS Ignition Coil (1)
- Mounting Hardware (screws, nuts, washers, vibration isolators)
- Electrical Terminals (ring terminals, spade terminals)
- Coil Wire Boot (1)



Figure 3.1: Included hardware kit for the MSD 8207 Blaster SS Ignition Coil, showing various screws, nuts, washers, electrical terminals, and vibration isolators.

## 4. SETUP AND INSTALLATION

The MSD 8207 Blaster SS Ignition Coil is designed for bolt-on or screw-in installation and is compatible with MSD 6-Series Ignitions and other electronic ignition systems. Follow these steps for proper installation:

1. **Disconnect Battery:** Before beginning, disconnect the negative terminal of your vehicle's battery to prevent accidental electrical discharge.
2. **Mounting Location:** Select a mounting location that is away from excessive heat sources and moving parts. The coil features a tough, rigid housing designed for durability. Use the provided mounting hardware, including vibration isolators, to secure the coil firmly.
3. **Wiring Connections:**
  - Connect the positive (+) terminal of the coil to a switched 12-volt power source.
  - Connect the negative (-) terminal of the coil to the ignition control unit (e.g., MSD 6-Series Ignition box).
  - Ensure all connections are clean, tight, and properly insulated. The coil features brass primary terminals for reliable conductivity.
4. **Coil Wire Installation:**
  - Install the high-tension coil wire from the coil's tower to the distributor cap.
  - Use the included coil wire boot to adapt your coil wire as needed, ensuring a secure and insulated connection.
5. **Reconnect Battery:** Once all connections are secure and verified, reconnect the negative terminal of the vehicle's battery.



Figure 4.1: Side view of the MSD 8207 Blaster SS Ignition Coil, highlighting the finned design for heat dissipation.



*Figure 4.2: Close-up of the included MSD coil wire boot, used for adapting the high-tension wire.*

## 5. OPERATING PRINCIPLES

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The MSD 8207 Blaster SS Ignition Coil is engineered to enhance your vehicle's ignition performance. Its key operational characteristics include:

- **High Voltage Output:** A 70:1 turns ratio and lower primary resistance contribute to a high voltage output, ensuring a strong spark at the spark plugs.
- **Efficient Design:** The efficient winding design and assembly result in a compact housing without compromising performance.
- **Durability:** Both primary and secondary windings are encased in Ciba polyurethane, providing excellent insulation and protection against vibration, moisture, and heat.
- **Compatibility:** This coil is an improved output coil specifically designed for electronic ignitions and MSD Ignition systems, delivering consistent and reliable spark energy.

## 6. MAINTENANCE

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The MSD 8207 Blaster SS Ignition Coil is designed for minimal maintenance. However, periodic inspection can help ensure optimal performance and longevity:

- **Visual Inspection:** Regularly check the coil for any signs of physical damage, cracks, or discoloration.
- **Connection Integrity:** Ensure all electrical connections (primary terminals and coil wire) remain tight and free from corrosion. Loose connections can lead to intermittent performance or damage.
- **Cleanliness:** Keep the coil free from excessive dirt, oil, and debris. A clean exterior helps with heat dissipation.

## 7. TROUBLESHOOTING

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If you experience issues with your ignition system after installing the MSD 8207 Blaster SS Ignition Coil, consider the following troubleshooting steps:

Symptom	Possible Cause	Solution
No Spark or Weak Spark	<ul style="list-style-type: none"><li>Loose or corroded connections</li><li>Insufficient power supply to coil</li><li>Faulty ignition control unit</li><li>Damaged coil wire or spark plug wires</li></ul>	<ul style="list-style-type: none"><li>Check and tighten all wiring connections.</li><li>Verify 12-volt power supply to the coil's positive terminal.</li><li>Test the ignition control unit according to its manufacturer's instructions.</li><li>Inspect and replace any damaged ignition wires.</li></ul>
Engine Misfire or Rough Idle	<ul style="list-style-type: none"><li>Incorrect wiring</li><li>Fouled or worn spark plugs</li><li>Other ignition system component failure</li></ul>	<ul style="list-style-type: none"><li>Double-check all wiring against the installation instructions.</li><li>Inspect and replace spark plugs if necessary.</li><li>Consult a diagnostic guide for your specific vehicle and ignition system.</li></ul>
Coil Overheating	<ul style="list-style-type: none"><li>Improper mounting location (too close to heat source)</li><li>Incorrect wiring or incompatible ignition system</li></ul>	<ul style="list-style-type: none"><li>Relocate the coil to a cooler area.</li><li>Verify wiring and compatibility with your ignition system.</li></ul>

If problems persist after performing these checks, it is recommended to consult a professional automotive technician or contact MSD technical support.

8. SPECIFICATIONS

Feature	Specification
Brand	MSD
Model Name	MSD 8207 Blaster Ignition Coil
Part Number	8207
Item Dimensions (L x W x H)	8.15 x 6.15 x 2.45 inches
Item Weight	500 Grams
Package Weight	0.58 Kilograms
Material	Plastic (Ciba polyurethane encased windings)
Connector Gender	Male
Installation Type	Bolt-On or Screw-In
Vehicle Service Type	MSD 6-Series Ignition
Automotive Fit Type	Universal Fit
UPC	085132082070
OEM Part Number	8207
Global Trade Identification Number	00085132082070

## 9. WARRANTY INFORMATION

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This product comes with a manufacturer's warranty. For specific details regarding the warranty period, coverage, and claims process, please refer to the official MSD warranty documentation included with your purchase or visit the official MSD website.

## 10. SUPPORT

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For technical assistance, installation questions, or troubleshooting beyond the scope of this manual, please contact MSD customer support directly. You can find their contact information on the official MSD website or through the documentation provided with your product.

**MSD Official Website:** [www.holley.com/brands/msd/](http://www.holley.com/brands/msd/) (Holley is the parent company of MSD)