MSD MSD-8223

MSD 8223 Ignition Coil Blaster 3 Series Instruction Manual

Model: MSD-8223
Brand: MSD

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MSD 8223 Ignition Coil Blaster 3 Series. Designed for improved output in electronic ignitions, this coil offers reliable performance and high voltage output. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Key Features

- **Extra tall secondary tower:** Ensures a secure coil wire connection.
- **Improved output coil:** Optimized for electronic ignitions and MSD Ignitions (requires ballast resistor for points).
- **High voltage output:** Achieved through a 100:1 turns ratio and lower primary resistance.
- **Premium grade oil:** MSD Red metal canister is filled with oil for efficient cooling.
- **90° spark plug style terminal and boot:** Included for convenient connection.
- **CARB E.O. Approved:** Complies with California Air Resources Board regulations.

Setup and Installation

Proper installation is crucial for optimal performance and longevity of your MSD Blaster 3 Ignition Coil. Always ensure the vehicle's battery is disconnected before beginning any electrical work.

Mounting Considerations:

The MSD Blaster 3 coil is designed to be mounted in an upright position. Mounting the coil horizontally or upside down can lead to fluid leakage and potential damage to the coil. Securely mount the coil using appropriate brackets to prevent vibration and movement.

Wiring Instructions:

1. Identify the positive (+) and negative (-) terminals on the coil.
2. Connect the appropriate wires from your ignition system to these terminals. Refer to your vehicle's specific wiring diagram or your MSD ignition control unit's instructions for precise connections.
3. Ensure all connections are clean, secure, and properly insulated to prevent short circuits.
4. Install the provided 90° spark plug style terminal and boot onto the secondary tower, ensuring a snug fit for the coil wire.

Note: If using with a points-type ignition system, a ballast resistor is required. Consult your ignition system's manual for resistor specifications and installation.

Operating the Ignition Coil

Once properly installed, the MSD Blaster 3 Ignition Coil operates automatically as part of your vehicle's ignition system. It is designed to deliver consistent, high-energy sparks for efficient combustion.

First Start-Up:

After installation, reconnect the battery. Turn the ignition key to the "ON" position (without starting the engine) to allow the system to prime. Then, proceed to start the engine as normal. Listen for any unusual noises or signs of malfunction.

Normal Operation:

The coil requires no user intervention during normal vehicle operation. Its robust design ensures reliable performance under various driving conditions. The improved output helps achieve quicker starts and smoother engine performance.

Maintenance

The MSD Blaster 3 Ignition Coil is largely maintenance-free. However, periodic checks can help ensure its continued optimal performance.

- **Visual Inspection:** Regularly inspect the coil for any signs of physical damage, cracks, or fluid leaks. Check the terminals for corrosion or loose connections.
- **Coil Wire Connection:** Ensure the coil wire is securely seated in the secondary tower and the boot is properly in place to prevent moisture ingress.
- **Cleanliness:** Keep the coil and its connections clean and free from dirt, oil, and debris.

Do not attempt to open or disassemble the coil, as it contains internal components and oil that are not user-serviceable.

Troubleshooting

If you experience issues with your ignition system after installing the MSD Blaster 3 coil, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Engine misfires or rough idle	Loose or corroded connections; faulty spark plug wires; incorrect coil mounting.	Check all wiring connections for tightness and corrosion. Inspect spark plug wires for damage. Ensure coil is mounted upright.
No spark	No power to coil; faulty ignition control unit; incorrect wiring.	Verify power supply to the coil. Check all wiring against the diagram. Test ignition control unit if applicable.
Coil overheating	Improper ballast resistor (for points systems); continuous power supply when engine is off; internal coil fault.	Ensure correct ballast resistor is used. Check wiring to prevent constant power. If issues persist, coil may be faulty.
Fluid leakage from coil	Coil mounted horizontally or upside down; damaged seal.	Remount the coil in an upright position. If leakage continues, the coil may be damaged and require replacement.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified automotive technician or contact MSD technical support.

Product Specifications

Attribute	Value
Brand	MSD
Model Name	MSD 8223 Blaster 3 Ignition Coil , Red
Part Number	MSD-8223
Item Dimensions (L x W x H)	2.56 x 2.56 x 6.69 inches
Item Weight	0.2 Pounds
Color	Red
Material	Plastic
Connector Gender	Male
Installation Type	Clamp On
CARB E.O. Approved	Yes

Product Images

Figure 1: Front view of the MSD 8223 Blaster 3 Ignition Coil. This image highlights the vibrant red canister, the prominent MSD Blaster 3 branding, and the tall secondary tower for the coil wire connection. The model number PN 8223 is visible at the bottom left of the label.

Figure 2: Side view of the MSD 8223 Blaster 3 Ignition Coil. This angle provides a clear view of the product's side, including a label with compatibility information for MSD 6, MSD 7, and Stock Ignition Systems, and a warning about

Proposition 65.

Figure 3: Top-down view of the MSD 8223 Blaster 3 Ignition Coil. This image focuses on the top of the coil, displaying the two brass terminals for electrical connections and the central secondary tower where the spark plug wire connects.

Figure 4: Bottom view of the MSD 8223 Blaster 3 Ignition Coil. This view shows the base of the red canister, with a stamped manufacturing code "061520" visible, indicating production details.

Figure 5: Included components: a metal spark plug style terminal and a gray 90-degree boot. These parts are designed to connect the coil to the spark plug wire, ensuring a secure and angled fit.

Figure 6: Close-up view of the gray 90-degree boot and the metal terminal. This image provides a detailed look at the design of the boot and the terminal, emphasizing their shape and connection points for the coil wire.

Official Product Videos

There are no official product videos from the seller available for this product at this time.

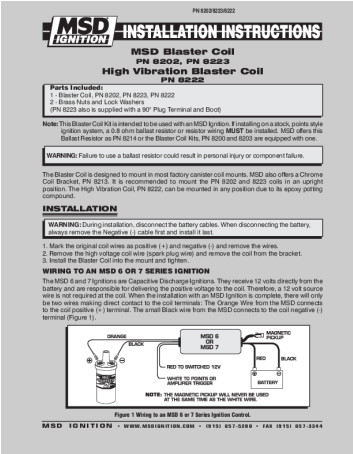
Warranty and Support

MSD provides a warranty for its products. For specific warranty details and to register your product, please refer to the warranty information included with your purchase or visit the official MSD website. For technical support, installation assistance, or any product-related inquiries, please contact MSD customer service directly. *Note: Unauthorized modifications or improper installation may void the product warranty.*

Legal Disclaimer

CALIFORNIA WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

Documents - MSD – MSD-8223



PN 8202/8223/8222

MSD IGNITION INSTALLATION INSTRUCTIONS

MSD Blaster Coil
PN 8202, PN 8223
High Vibration Blaster Coil
PN 8222

Parts Included:
1 - Blaster Coil, PN 8202, PN 8223, PN 8222
2 - Brass Nuts and Lock Washers
(PN 8223 also is supplied with a 90° Plug Terminal and Boot)

Note: This Blaster Coil Kit is intended to be used with an MSD Ignition. If installing on a stock, points style ignition system, a 0.6 ohm ballast resistor or resistor wiring **MUST** be installed. MSD offers this Ballast Resistor as PN 8214 or the Blaster Coil Kits, PN 8200 and 8203 are equipped with one.

WARNING: Failure to use a ballast resistor could result in personal injury or component failure.

The Blaster Coil is designed to mount in most factory canister coil mounts. MSD also offers a Chrome Coil Bracket, PN 8213. It is recommended to mount the PN 8202 and 8223 coils in an upright position. The High Vibration Coil, PN 8222, can be mounted in any position due to its epoxy potting compound.

INSTALLATION

WARNING: During installation, disconnect the battery cables. When disconnecting the battery, always remove the Negative (-) cable first and install it last.

1. Mark the original coil wires as positive (+) and negative (-) and remove the wires.
2. Remove the high voltage coil wire (spark plug wire) and remove the coil from the bracket.
3. Install the Blaster Coil into the mount and tighten.

WIRING TO AN MSD 6 OR 7 SERIES IGNITION

The MSD 6 and 7 Ignitions are Capacitive Discharge Ignitions. They receive 12 volts directly from the battery and are responsible for delivering the positive voltage to the coil. Therefore, a 12 volt source wire is not required at the coil. When the installation with an MSD Ignition is complete, there will only be two wires making direct contact to the coil terminals. The Orange Wire from the MSD connects to the coil positive (+) terminal. The small Black wire from the MSD connects to the coil negative (-) terminal (Figure 1).

Figure 1 Wiring to an MSD 6 or 7 Series Ignition Control.

[pdf] Installation Guide Instructions

MSD 8223 Ignition Coil Installation Instructions 02 06 2007 Blaster Hardin Marine PN 8202 High Vibration 8222 Parts Included 1 2 Brass Nuts and Lock Washers 120 hardin marine instructions also is supplied with a 90° Plug Terminal Boot Note This View |||

PN 8202/8223/8222 MSD Blaster Coil PN 8202, PN 8223 High Vibration Blaster Coil PN 8222 Parts Included: 1 - Blaster Coil, PN 8202, PN 8223, PN 8222 2 - Brass Nuts and Lock Washers PN 8223 also is supplied with a 90 Plug Terminal and Boot Note: This Blaster Coil Kit is intended to be used with an M...

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