

# MSD IGNITION INSTALLATION INSTRUCTIONS

## Multi-Spark Coil (MSC II) Blaster Coil for Gen III GM Engines Individual, PN 8246 Set of 8, PN 82468

**IMPORTANT:** Read the instructions before attempting the installation.

### Parts Included PN 8246:

- 1 - Coil
- 2 - 5mm X 30mm Hex Head Bolt
- 2 - 5.3mm X 11m X 1.4 Washers
- 2 - .281" X .625 X .125 Shims
- 1 - 2-Pin Connector (installed)

### Parts Included PN 82468:

- 8 - Coils
- 8 - 2-Pin Connectors
- 16 - 5.3mm X 11m X 1.4 Washers
- 16 - .281" X .625 X .125 Shims
- 16 - 5mm X 30mm Hex Head Bolt

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

There were two style of coils used on the Gen III, LS-1/LS-6 platform. It is recommended to confirm that the PN 8246 is the correct coil for your application prior to disassembly.

The original coil will have a heat sink, an aluminum looking panel, on one side (Figure 1). It also has the socket for the spark plug wire on the opposite side of the coil harness connector. (If the spark plug wire and harness connector are on the same side, you may require the MSD PN 8245 coil.

**IMPORTANT:** Notice that the MSC II Coil has a 2-pin connector (Figure 1). This 2-pin connector must be plugged in to the coil. If not, the coil will not operate. This additional connector is for an optional ignition/timing control.

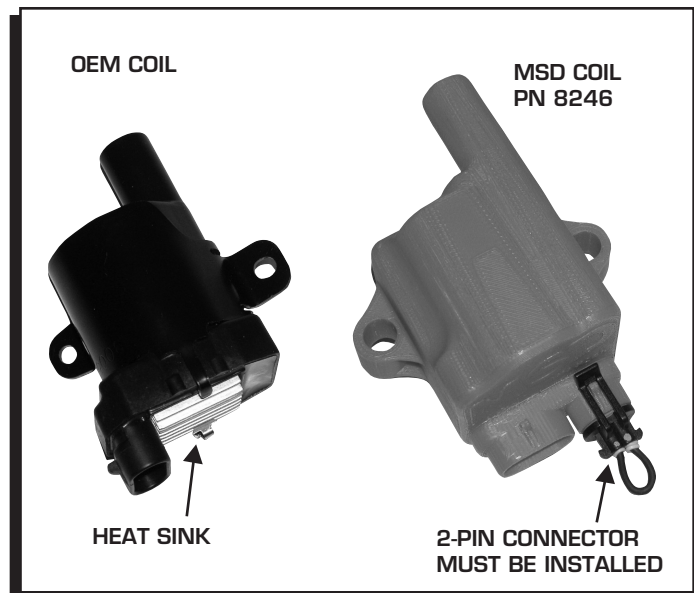


Figure 1 Coil Connectors



# INSTALLATION INSTRUCTIONS

## MOUNTING

The MSC Coil is designed to be a direct replacement for most GM Gen III engines. Due to the number of applications available, the mounting of the coils may be slightly different. MSD has supplied different hardware to assist in mounting the MSC Coil.

The OEM brackets and the holes are designed to be self tapping. MSD supplies stainless steel hardware which is softer and should not be used to create new threads. It is recommended to use the original coil retaining bolts to tap and chase the threads before installing the new MSD stainless steel bolts. You can also use an M5x0.8 tap to chase the mounting holes.

1. Remove the coil covers (if supplied) from the valve covers.
2. Remove the spark plug wire from the coil.
3. Disconnect the factory connector, remove the coil retaining bolts and remove the coil.
4. Use an original bolt or M5x0.8 tap to cut threads into the bracket before installing the MSD coil and new hardware.
5. Install the MSD Coil in the same position as the original coil. In some cases, the supplied shim may be required to space the coil off the bracket. Install the thin washer to the new bolt and tighten.
6. Connect the wiring harness and spark plug wire. Ensure that the 2-pin connector is installed in the coil.

**Note:** MSD Super Conductor 8.5mm Spark Plug wire sets, PN 32813, PN 32819, PN 32823 or PN 32829 are recommended.

## Service

In case of malfunction, this MSD component will be repaired free of charge according to the terms of the warranty. When returning MSD components for service, Proof of Purchase must be supplied for warranty verification. After the warranty period has expired, repair service is charged based on a minimum and maximum charge.

**All returns must have a Return Material Authorization (RMA) number** issued to them before being returned. To obtain an RMA number please contact MSD Customer Service at (915) 855-7123 or fax a request to (915) 857-3344. Send the unit prepaid with proof of purchase to the attention of: **MSD Ignition, Customer Service - RMA #, 12120 Esther Lama, Dock 5, El Paso, Texas 79936.**

When returning the unit for repair, leave all wires at the length in which you have them installed. Be sure to include a detailed account of any problems experienced, and what components and accessories are installed on the vehicle.

The repaired unit will be returned as soon as possible after receipt, COD for any charges. (Ground shipping is covered by warranty). All units are returned regular UPS unless otherwise noted. For more information, call the MSD Customer Service Line (915) 855-7123. MSD technicians are available from 7:00 a.m. to 6:00 p.m. Monday - Friday (mountain time).

## Limited Warranty

MSD IGNITION warrants MSD Ignition products to be free from defects in material and workmanship under normal use and if properly installed for a period of one year from date of purchase. If found to be defective as mentioned above, it will be replaced or repaired if returned prepaid along with proof of date of purchase. This shall constitute the sole remedy of the purchaser and the sole liability of MSD Ignition. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representations whether expressed or implied, including any implied warranty of merchantability or fitness. In no event shall MSD Ignition be liable for special or consequential damages.