

# **MSD** **IGNITION** **INSTALLATION INSTRUCTIONS**

## **MSD 3/8" Magnets PN 4309**

**IMPORTANT: Read the Instructions completely before attempting the installation!**

**CAUTION: These magnets are very brittle! Damage will result if the magnets are allowed to snap together or against a metal surface.**

This kit is intended for custom installations. Instructions are only given for magnet installation. It is left up to the customer to install the pickup(s) and ignition.

**Note:** An aluminum flywheel is required. **Do not** install magnets to a steel flywheel.

### **Parts Included**

2 - 3/8" Magnets, PN 4309

### **Parts Required, Not Included**

JB Weld Adhesive 24 Hour or Scotch Weld

Drill Bit

Degree Wheel or Timing Tape

**Note:** Placement of the magnets is very critical to the timing of the engine. The magnet mounting holes should be drilled using a rotary table or indexing head. It is recommended to use a professional machine shop.

## **MAGNET POSITION**

### **MOUNTING HOLE REQUIREMENTS**

**Bore Diameter:** It is recommended for the magnet mounting hole to be approximately 0.015" larger than the magnet diameter. Bit size:

3/8" Magnet: Use a 0.390" (25/64) bit.

**Depth:** The magnets **must** be mounted flush with the flywheel or ring. The 3/8" are 0.125" (1/8) deep. To obtain a flat mounting surface for the magnets, an end mill is required.

**Through Hole Diameter:** This hole should be drilled all the way through the flywheel to allow the glue to escape. Use a 0.156" (5/32) bit for the other magnets.

## **INSTALLATION**

After drilling the magnet mounts for your specific application, follow the procedure below to install the magnets.

**Note:** When installing a magnet for PN 4151 or PN 42351 ignition, the polarity of the magnet must be correct. The south side, which is marked, should face out toward the trigger pickup.

Place a small amount of JB Weld adhesive around the entire diameter and across the bottom of the magnet. Slide the magnet into the hole and then press firmly down on the magnet. To keep the magnet in place while the adhesive cures, place a metal object on the back side of the flywheel so the magnet will pull toward the metal surface.

**Note:** Refer to the installation instructions supplied with the JB Weld.



# INSTALLATION INSTRUCTIONS

## TECH NOTES

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### Service

In case of malfunction, this component will be repaired free of charge according to the terms of the warranty. When returning 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 (888) 258-3835 or fax a request to (915) 857-3344. Send the unit prepaid with proof of purchase to the attention of: **MSD Powersports, 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/Cashiers Check for any charges. For more information, call the MSD Powersports Customer Service Line **(888) 258-3835**. MSD Powersports technicians are available from 8:00 a.m. to 5:00 p.m. Monday - Friday (Mountain Time).

### Limited Warranty

MSD Powersports warrants this product to be free from defects in material and workmanship under its intended normal use\* and if properly installed, for a period of one year from the date of original purchase. If found to be defective as mentioned above, it will be repaired or replaced at the option of MSD Powersports. Any item that is covered under this warranty will be returned free of charge through standard shipping methods. If faster service is required the customer has the option of paying for this service.

This shall constitute the sole remedy of the purchaser and the sole liability of MSD Powersports. 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 Powersports or its suppliers be liable for special or consequential damages.

\*Intended normal use means that this item is being used as was originally intended and for the original application as sold by MSD Powersports. Any modifications to this item or if it is used on an application other than what MSD Powersports markets the product, the warranty will be void. It is the sole responsibility of the customer to determine that this item will work for the application they are intending. MSD Powersports will accept no liability for custom applications.