

## **MSD Hall-Effect Pickup PN 2348**

### **Parts Included:**

- 1 - Pickup Assembly, 1/2" x 20 x 1.25"
- 1 - Magnet and Retainer
- 1 - 3-Pin Weathertight Connector
- 3 - Weathertight Terminals and Seals

### **Notes:**

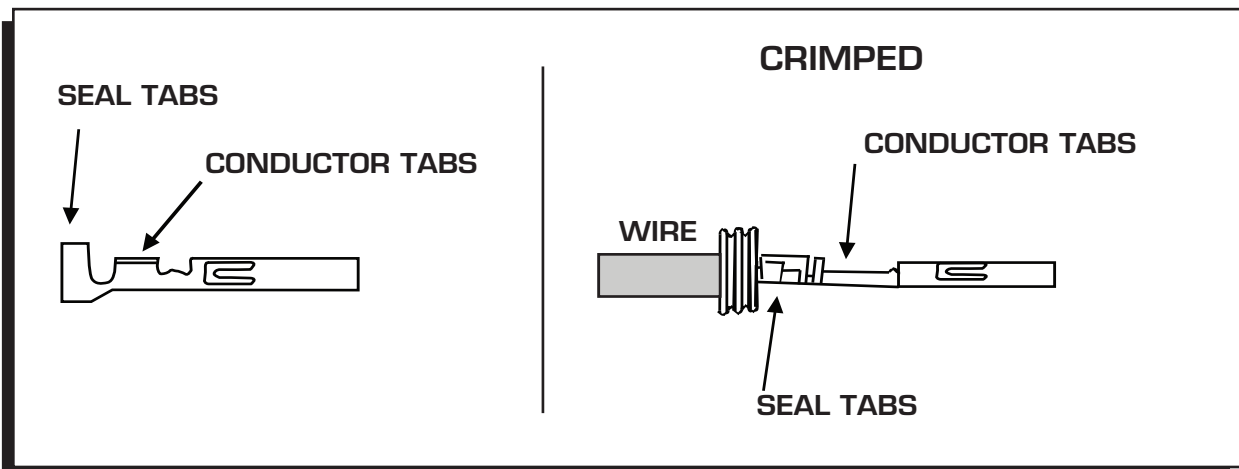
- This pickup can be used to replace the non-magnetic pickup used in MSD's Cam Sync Distributors or as a cam sync pickup in custom installations.
- Precise machining is required when installing the MSD Hall-Effect Pickup to a cam gear or other engine component.
- The magnet must be installed with the proper polarity facing the pickup with power supplied, pass the magnet over the pickup. Polarity is correct when the magnet turns the LED off.

### **CONNECTOR INSTALLATION**

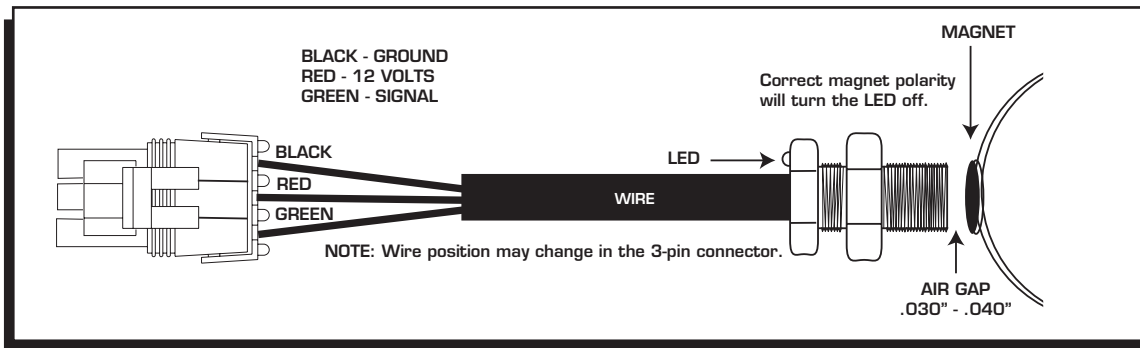
1. Install the Weathertight seals, terminals and connector (Figure 1). It is recommended to use MSD's Pro-Crimp Tool, PN 35051, with Weathertight Dies, PN 3509.
2. Strip the sleeve of the wire back then install the seal on the wire.
3. Crimp the exposed wire with the conductor crimp tabs.
4. Once the wire is crimped, crimp the seal tabs over the seal.
5. Position each wire into the connector making sure they are in the correct position for your application.

### **MAGNET INSTALLATION**

1. The magnet retainer is .383" diameter and requires a mounting hole be drilled.
2. Before installing the magnet, the polarity must be correct. Connect power and ground to the pickup, the LED will light. Pass the magnet over the pickup. When the LED turns off, the polarity is correct (Figure 2).



**Figure 1 Installing the Terminals.**



**Figure 2 Installing the Hall-Effect Pickup.**

## LED OPERATION

The LED is On whenever the magnet is not in front of the pickup. The pickup turns Off when the magnet passes over the center of the pickup.

## SPECIFICATIONS

Accepts 5 – 18 Volts continuous

Output: Within 1.5 volt on the red wire and .3 volt above ground

Protected from reverse polarity, short circuit and over voltage.

## MSD CAM SYNC DISTRIBUTOR

When installing in an MSD Cam Sync Distributor, screw the sensor all the way in, then back it out one full turn.

### 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 warranty service, **Proof of Purchase** must be supplied for verification. After the warranty period has expired, repair service is based on a minimum and maximum fee.

**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 1 (888) MSD-7859 or visit our website at [www.msdpower.com/rma](http://www.msdpower.com/rma) to automatically obtain a number and shipping information.

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 using Ground shipping methods (ground shipping is covered by warranty). For more information, call MSD at (915) 855-7123. MSD technicians are available from 7:00 a.m. to 5:00 p.m. Monday - Friday (mountain time).

### Limited Warranty

MSD warrants this product to be free from defects in material and workmanship under its intended normal use\*, when properly installed and purchased from an authorized MSD dealer, for a period of one year from the date of the original purchase. This warranty is void for any products purchased through auction websites. If found to be defective as mentioned above, it will be repaired or replaced at the option of MSD. Any item that is covered under this warranty will be returned free of charge using Ground shipping methods.

This shall constitute the sole remedy of the purchaser and the sole liability of MSD. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representation whether expressed or implied, including any implied warranty of merchantability or fitness. In no event shall MSD 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. Any modifications to this item or if it is used on an application other than what MSD 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 will accept no liability for custom applications.