MSD Universal Sync Signal Kit PN 2346

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Parts Included:

1 - Non-Magnetic Pickup

1 - Magnet

1 - Magnet Collar

The Universal Sync Signal Kit, PN 2346, is primarily used to provide a cam sync to EFI or other engine control units that require a signal for cylinder 1 firing. This kit includes the non-magnetic pickup and magnet only and requires mounting fabrication work for installation.

The sensor can be set to pulse at the leading or trailing edge of the signal depending on which pole of the magnet faces the pickup. To determine the poles of the magnet, use either another magnet that is marked North and South, or use a compass to point toward the North pole of the magnet. The south end of the compass will point to the North pole of your magnet. When the North pole of the magnet faces the pickup the signal will pulse on the trailing edge. When the South pole of the magnet faces the pickup the pulse will be on the leading edge of the signal.

The magnet requires a 0.250" dia. hole. If the magnet is to be pressed in it should be prepared as 0.248 + -0.0005. If the magnet is not pressed in it should be secured with an epoxy inside the hole of a 0.25" mill bit. The magnet is 0.20" deep. If the magnet is to be mounted in a steel rotational assembly the supplied aluminum sleeve is required to prevent diffusing the magnet in the assembly. The aluminum sleeve requires a prepared hole measuring 0.375" +/-0.0005 or a 0.375" bit, respectively.

The threads on the non-magnetic pickup measure $\frac{1}{2}$ - 20. A 27/64" bit should suffice to prepare for the $\frac{1}{2}$ -20 tap.

In order to properly set the air gap for the non-magnetic pickup users should aim for 0.050"space. In many cases the pickup and magnet are in places that make it difficult or impossible to measure air gap – when this happens the user can get close to the measurement with a few simple steps:

- 1) Thread the pickup to bottom out on (touch) the magnet.
- 2) Turn the pickup back out of the threads one full rotation.
- 3) Carefully spin the engine so that the magnet goes past the pickup a few times to check that there is no interference.

TECH NOTES

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.msdperformance.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.