MSD IGNITION INSTALLATION INSTRUCTIONS

Engine Knock Alert
PN 8964

IMPORTANT: Read the instructions before attempting the installation.

Parts Included:

1 - Engine Knock Alert Control
1 - Knock Sensor
1 - 3/8" Snap Bushing
1 - Adapter Fitting, Female
1 - Cable Harness
1 - Single Pin Connector
1 - T - Wire Splice
1 - Velcro Mount Kit

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

MOUNTING

Use the supplied Velcro strips to mount the Engine Knock Alert (EKA). Be sure that it is visible to the driver and that the wiring reaches the Knock Sensor. Make sure the area is clean before applying the velcro.

INSTALLING THE KNOCK SENSOR

The Knock Sensor is designed to be threaded into a hole in the engine block with ¼" NPT. Many engines have drilled and tapped holes available, or you may have to remove a drain plug to install the Sensor. An Adapter is also supplied for more installation options.

WIRING

The wires connect as follows:
Red - Connects to a switched 12 volt source.
Black - Connects to Ground.
White - Connects to the Knock Sensor. Route the wires away from moving components and hot engine parts such as the exhaust manifolds. The White wire should be routed through a grommet in the firewall. A 3/8" snap bushing is supplied to run the wire through the firewall if you need to drill a hole.

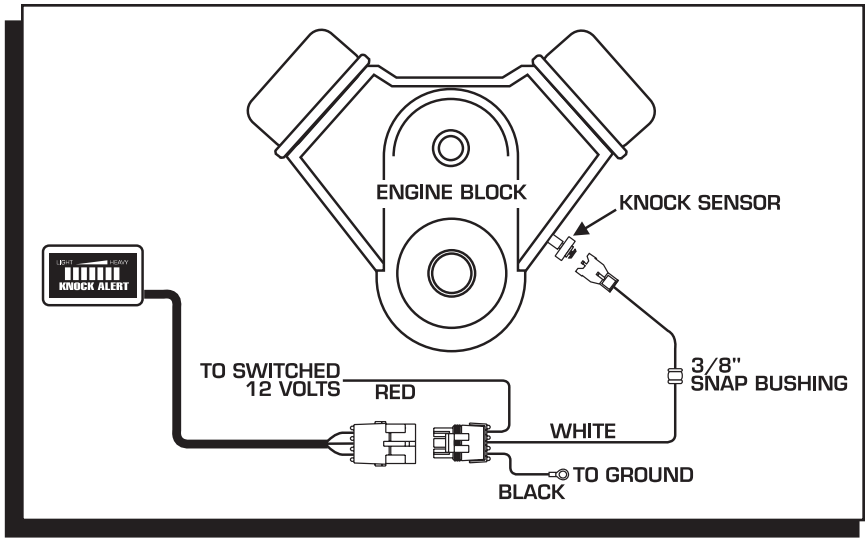


Figure 1 Wiring the Engine Knock Alert.

OPERATION

The EKA features a sensitivity adjustment so the Sensor can be adjusted to your engine's characteristics. To obtain a good starting point, follow the proceeding steps.

1. With the vehicle parked on a flat surface and the parking brake applied, start the engine.
2. When the engine is warm, bring the rpm level to approximately 2,500 rpm.
3. Turn the Sensitivity Control Dial until the first green LED lights. This gives you a good starting point.

Note: On applications where very light knocking is present, the Green light may not come on. If this occurs, turn the Sensitivity dial to the maximum setting.

The Audible Alert has a volume control to adjust the level to a comfortable beep. The Beep can also be turned completely off. It will not Beep until the knock is to the level of the Green to Yellow LEDs.

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.msdignition.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 Ignition at (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 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 Ignition. 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 Ignition. 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 Ignition 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 Ignition. Any modifications to this item or if it is used on an application other than what MSD Ignition 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 Ignition will accept no liability for custom applications.

© 2008 Autotronic Controls Corporation
FRM29140 Revised 01/08 Printed in U.S.A.