



INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS MSD Small Engine Ignition, PN KT4150

Parts Included:

- 1 - Ignition Module, PN 4150
- 1 - High Vibration Coil, PN 8222
- 1 - Coil Bracket, PN 8213
- 1 - 8.5mm Super Conductor Plug Wire
- Parts Bag including terminals and wires

Parts Required, But Not Included:

- A 12 volt battery source
- 1 - On/Off Switch

BATTERY

The MSD Ignition requires a 12 volt source to produce the powerful, capacitive discharge sparks. Any 12 volt battery, such as a sealed lead acid motorcycle battery will work. You may also use two 7.2V Nicad battery Packs (standard hobby RC batteries) connected in series.

MOUNTING

IGNITION

Mount the ignition using the supplied hardware. The ignition can be mounted in any position and should be kept away from direct engine heat sources. It is a good idea to mount it where the LED can easily be monitored and make sure the wires reach their connections. Use the ignition as a template and drill the two mounting holes using a 3/16" drill bit. Mount the ignition using two #10 screws.

COIL

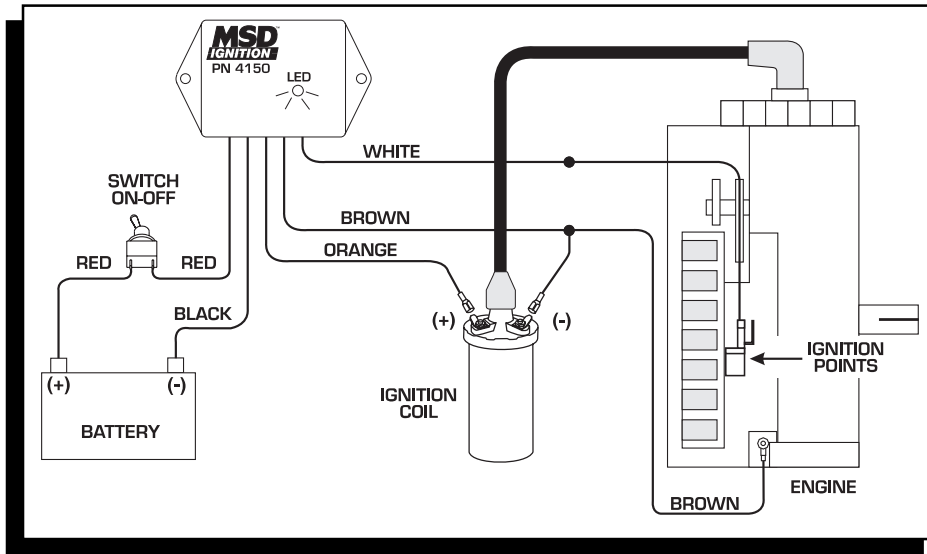
The MSD High Vibration Coil can be mounted in any position. It should be mounted near the engine but away from direct engine heat sources. Use the supplied coil bracket and hardware to mount the coil.

WIRING

Connect the wires of the PN 4150 as follows:

Red	This is the positive power lead. It connects to the battery positive terminal through a kill switch.
Black	This is the negative (ground) lead. It connects to the battery negative terminal.
Orange	Connects to the coil positive (+) terminal.
Brown	Connects to the coil negative (-) terminal and the engine block.
White	This is the trigger wire. It connects to the points output wire.

Note: To connect the White wire, it may be necessary to remove the flywheel. Refer to the engine's Service Manual for the proper procedure.



Wiring the MSD Ignition.

TRIGGER SIGNAL LED

The Red LED flashes every time the ignition is triggered. The static timing can be checked without running the engine. Remove the Orange coil (+) wire and position the kill switch in the ON position. Slowly rotate the flywheel until the LED illuminates, then check the timing marks.

Warning: Failure to remove the Orange wire from coil positive may cause the engine to trigger and spin over.

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.

Send the unit prepaid with proof of purchase to the attention of: **Customer Service Department, Autotronic Controls Corporation, 12120 Esther Lama, Suite 114, 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. For more information, call the MSD Customer Service Line (915) 857-5200. MSD technicians are available from 8:00 a.m. to 5:00 p.m. Monday - Friday (mountain time).

Limited Warranty

Autotronic Controls Corporation 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 Autotronic Controls Corporation. 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 Autotronic Controls Corporation be liable for special or consequential damages.