

# MSD INSTALLATION INSTRUCTIONS

## Digital Soft-Touch HEI Rev Limiter PN 8727CT

**ONLINE PRODUCT REGISTRATION:** Register your MSD product online. Registering your product will help if there is ever a warranty issue with your product and helps the MSD R&D team create new products that you ask for! Go to [www.msperformance.com/registration](http://www.msperformance.com/registration).

### Parts Included:

1 - Digital HEI Rev Limiter

1 - Wiring Harness

2 - Mounting Screws and Nuts

**WARNING:** Before installing the Digital Soft-Touch HEI Rev Limiter, disconnect the battery cables. When disconnecting the battery cables, always remove the Negative (-) cable first and install it last.

The Digital HEI Rev Limiter is designed to provide an accurate engine rpm limit for racers using a GM based HEI (internal coil) Distributor. The rev limit is easy to set with two rotary dials in 100 rpm increments with a range from 3,000 – 9,900 rpm. The advanced digital technology of the Limiter provides a very accurate and smooth rev limiting action. The Limiter also has a built-in recall feature that will record the peak rpm recorded and will display that rpm value for five seconds when the ignition is turned on.

### MOUNTING

The Digital Rev Limiter is designed to be mounted in the engine compartment or interior though it should be mounted away from high heat sources. It is recommended to mount the unit within easy view for the crew and tech inspectors to easily view the LED display for limit confirmation and adjustments.

Position the unit where the LED and adjustment dials are easy to view and access. Make sure the wiring harness reaches the distributor and mark the location of the mounting holes. Use a 3/16" bit to drill the holes and mount the unit with the supplied hardware.

### RPM LIMIT AND SETTINGS

The rpm limit is set using the two rotary dials on the unit with a range of 3,000-9,900 rpm in 100 rpm increments. The left dial controls the 1,000s and the right dial controls the 100s of the desired rpm value (Figure 1). There are small numbers on the dials to show the rpm value however the LED will display the rpm value being set when the ignition is in the On position (engine can be running or not)

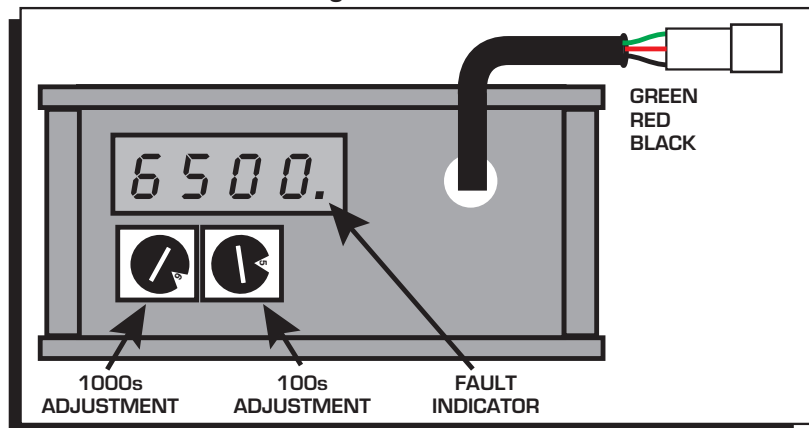


Figure 1 The Digital HEI Rev Limiter.

**Maximum RPM Recorded:** The PN 8727CT records the maximum rpm value that the engine reached in the last 20 minutes of power on. When the ignition is turned on, the max rpm will flash on the display for the first five seconds before reverting to the set rpm limit.

To reset the maximum rpm value, power to the PN 8727CT must remain on for 20 consecutive minutes.

**Faults:** The Digital Rev Limiter will record and display an 'F' to show a Fault occurred to alert of a wiring or operation discrepancy. The 'F' will display on the LED screen for three seconds after the Max RPM is shown at ignition on. Also, a flashing decimal point to the right of the LED read out to alert when a Fault has been recorded. An 'F' will be recorded when the Green wire is disconnected or opened with the engine running above 2000 rpm.

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## WIRING

The supplied harness plugs into the Rev Limiter and then should be routed to the HEI Distributor Cap. Red connects the B+ (Battery positive) terminal of the cap and the Green wire connects to C- (Coil negative). It is recommended to connect the Black wire to the engine block or common ground stud. Proper grounds are imperative to the operation of the Rev Limiter and other electronics of the racecar and must be installed to a clean, secure, ground source.

**Caution:** It is important to note that if the Black wire loses ground or the Red wire is disconnected from 12 volts, **the engine will shut off.**

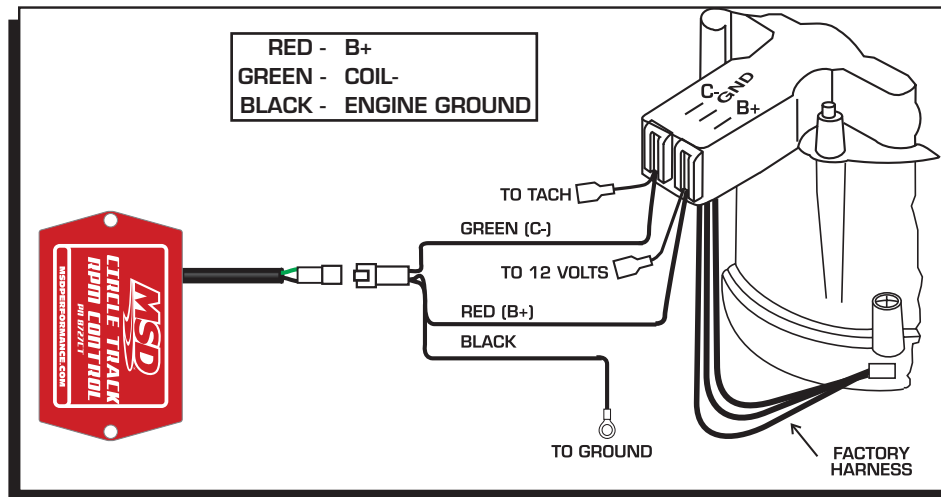


Figure 2 Wiring the Digital HEI Rev Limiter.

## 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.