

# **MSD** INSTALLATION INSTRUCTIONS

## **MSD Crank Trigger to Generator Cross-Over Switch PN 7990**

**Parts Included:**  
1 - Switch

This Switch allows the driver to switch between the crank trigger pickup and the pickup in the generator. This is a benefit when setting timing because the engine only needs to be started once. Racers can also use this Switch to change to a different timing setting. By setting the timing of the generator pickup a couple degrees retarded, the driver can switch from the crank trigger to a "softer" timing setting as track conditions deteriorate.

There are three different length harnesses on the Switch. They connect as follows:

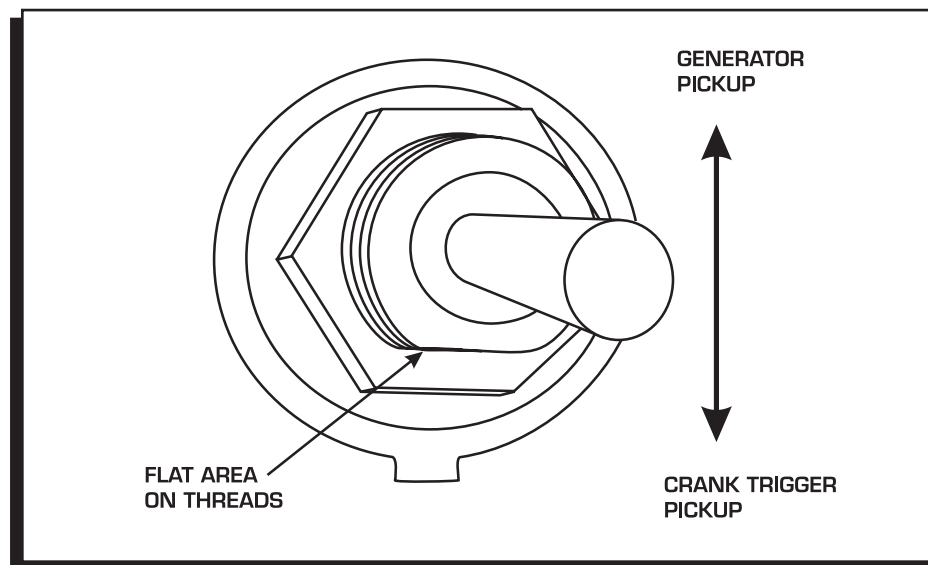
**Long Harness:** Connects to the Generator's Magnetic Pickup

**Mid-Length Harness:** Connects to the Generator

**Short Harness:** Connects to the Crank Trigger Pickup

The Switch must be mounted on the dash panel where the Long and Mid-Length harnesses will reach their connections without using an extension harness. **Do not lengthen these wires!**

When mounting the Switch, note the flat area on the threads of the switch. When the lever of the switch is towards the flat area, the crank trigger pickup is being used (Figure 1).



**Figure 1 Switch Position.**

LONG HARNESS	TO GENERATOR'S MAGNETIC PICKUP
MID-LENGTH HARNESS	TO GENERATOR
SHORT HARNESS	TO CRANK TRIGGER

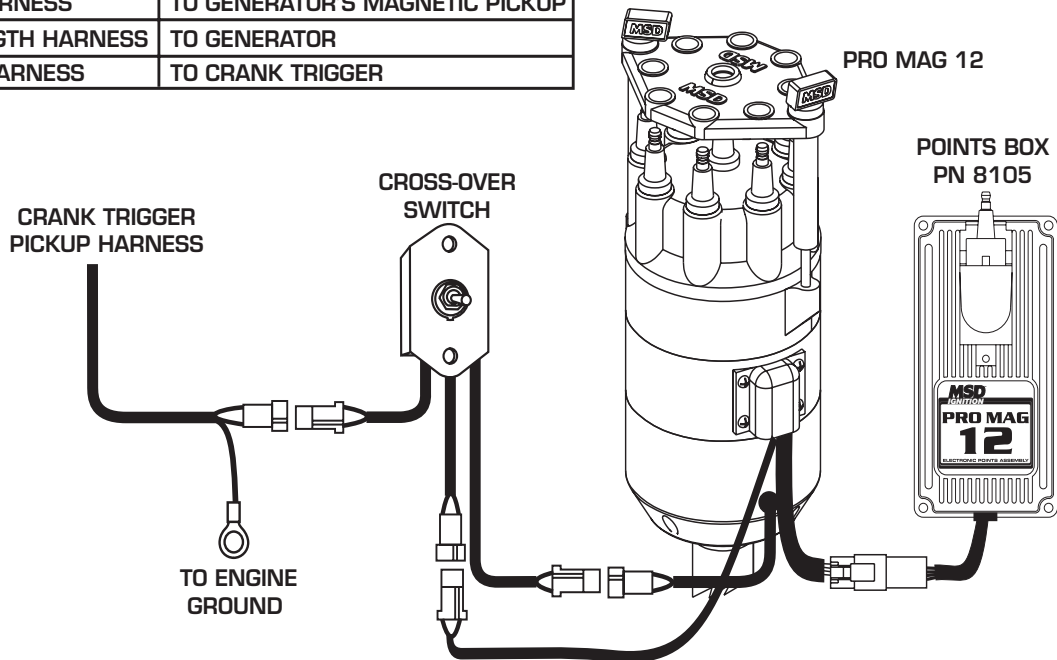


Figure 2 Wiring the Cross-Over Switch.

### 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.