

MSD INSTALLATION INSTRUCTIONS

MSD 12 Amp Pro Mag Electronic Points Box PN 8106 and PN 81063

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.

Parts Included:

- 1 - Points Box
- 4 - Vibration Mounts (PN 8823)
- 1 - Wire Harness
- 3 - RPM Modules - 7,000, 8,000 and 9,000
- 1 - Kill Switch

Note: On engines equipped with block mounted starters, a 16 volt battery is recommended.

MOUNTING

The Electronic Points Box can be mounted in any position, except upsidedown. It should be kept clear of direct engine heat sources such as the exhaust. Before mounting the box make sure the wiring harness and coil wire reach the generator.

The Box is supplied with four 3/4" vibration mounts. These mounts are designed for lower levels of vibration over a long interval of time such as experienced in circle track racing. Use a 3/16" drill bit with these mounts (Figure 1). These vibration mounts are available separately as PN 8823.

If your application experiences severe vibrations for a short duration, such as tire shake from drag racing, PN 8822 Vibration Mounts are recommended. These are 1" mounts and are designed for extreme conditions.

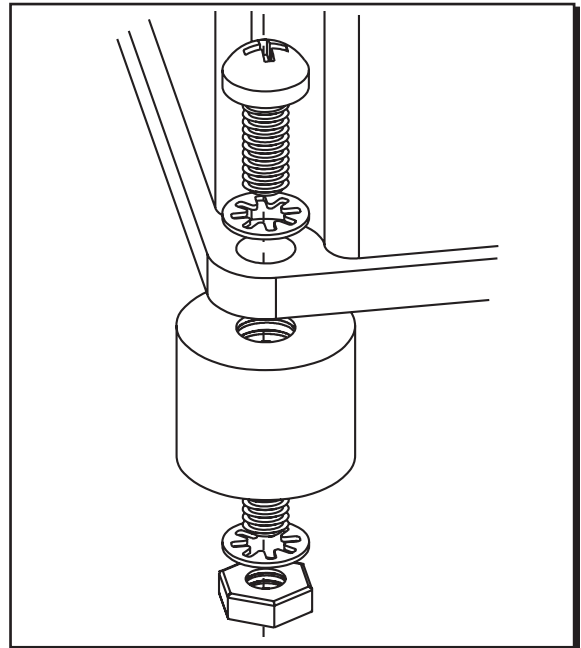


Figure 1 Mounting the Points Box.

WIRING

When routing the wiring harness make sure the wires are not pulled tight to the point of being stressed. Also, take care to route them away from direct engine heat sources and sharp edges. If the connectors do not mate together, check for bent or mislodged terminal pins. Do not force the connectors together!

To ensure a good ground path from the Electronic Points Box, a ground wire should be routed from the Points Box to the cylinder head of the engine. Use a #10 ring lug connector with 16 gauge wire (Figure 2). The wires should be connected between the Box and the retaining screw.

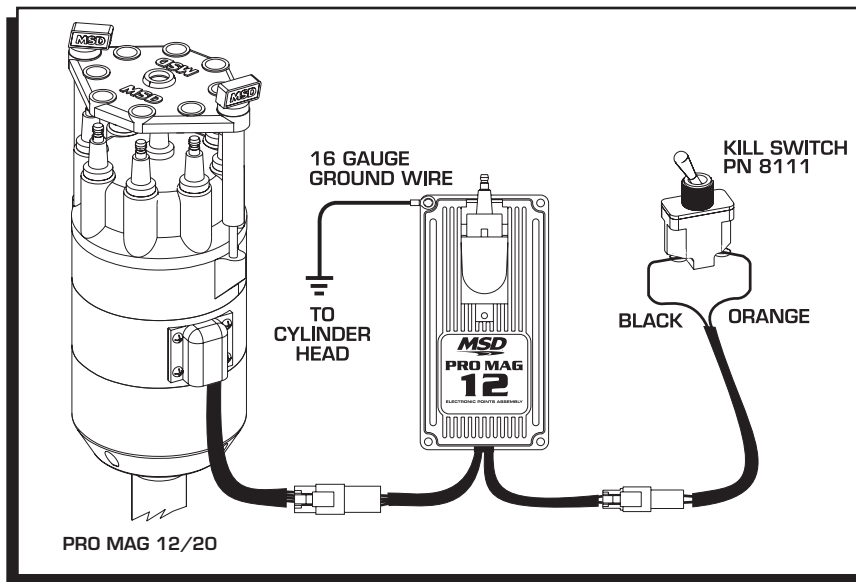


Figure 2 Wiring the 12/20 Amp Pro Mag.

ACCESSORIES

WIRING A CONVENTIONAL TACHOMETER OR OTHER MSD RPM ACTIVATED ACCESSORIES

MSD offers a Magneto Tach Converter, PN 8132, that converts the Pro Mag's trigger signal so most automotive tachs can be used (Figure 3). A 12 volt source is required. The magneto tach converter can also be used to run an MSD rpm activated switch or shift light.

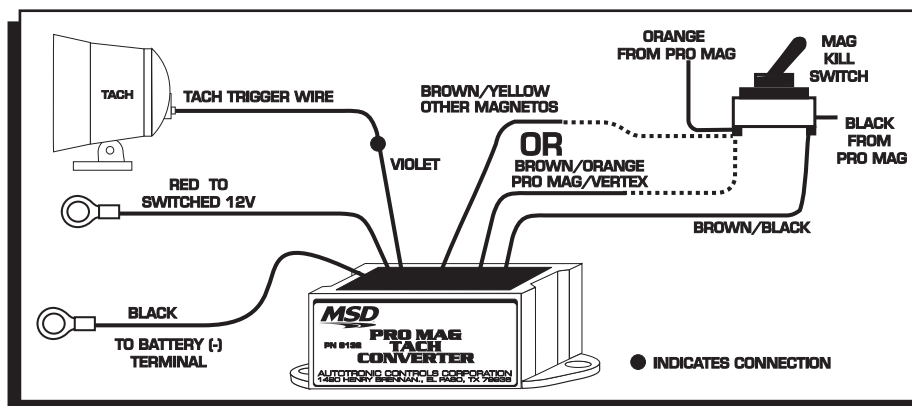


Figure 3 Wiring a Tachometer with PN 8132.

Battery Operated Tachometers: Follow Figure 4 to wire a battery operated magneto tachometer.

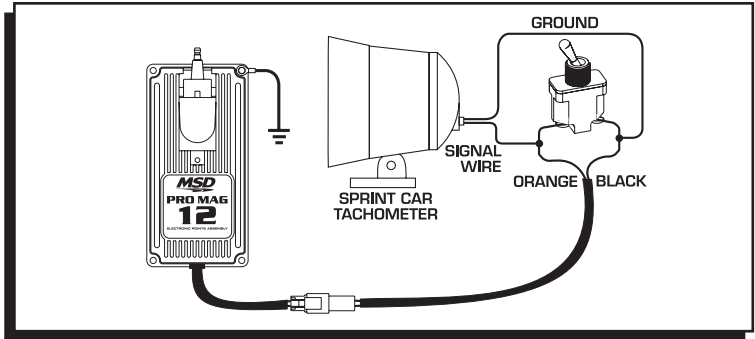


Figure 4 Wiring a Battery Operated Tach.

TWO STEP MODULE SELECTOR

The Soft Touch Rev Control built into the Electronic Points Box can be used with a Two Step Module Selector, PN 8739, to give you two different rev limits. MSD also offers a Three Step Module Selector, PN 8737, for three rev limits. Note: A 12 volt source is required.

By connecting the Two Step to a trans brake or switch, you can have a low rpm limit to use on the starting line for consistent holeshots. When the switch is released the rev limit switches to the high limit for overrev protection. Figure 5 shows a Two Step installation.

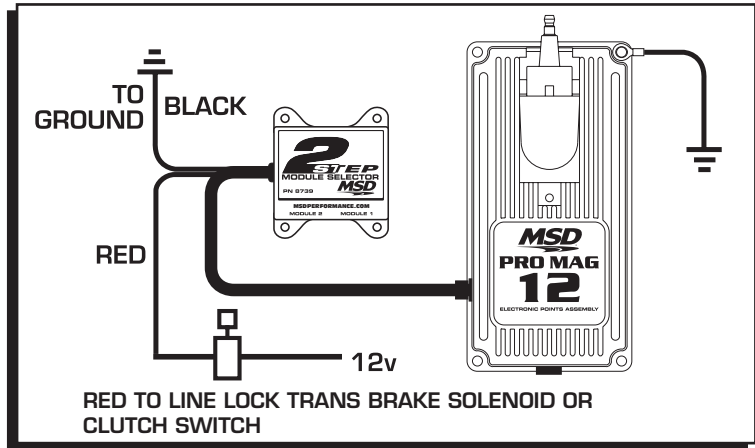


Figure 5 Wiring a Two Step.

DISASSEMBLING THE DEUTSCH CONNECTORS

Male Housing: Locate the small recesses in the housing and use a small flat screwdriver to pry off the locking wedge (Figure 6).

Female Housing: Using needlenose pliers or a wire hook, remove the locking wedge by pulling it straight out.



Figure 6 Disassembling the Male Housing.

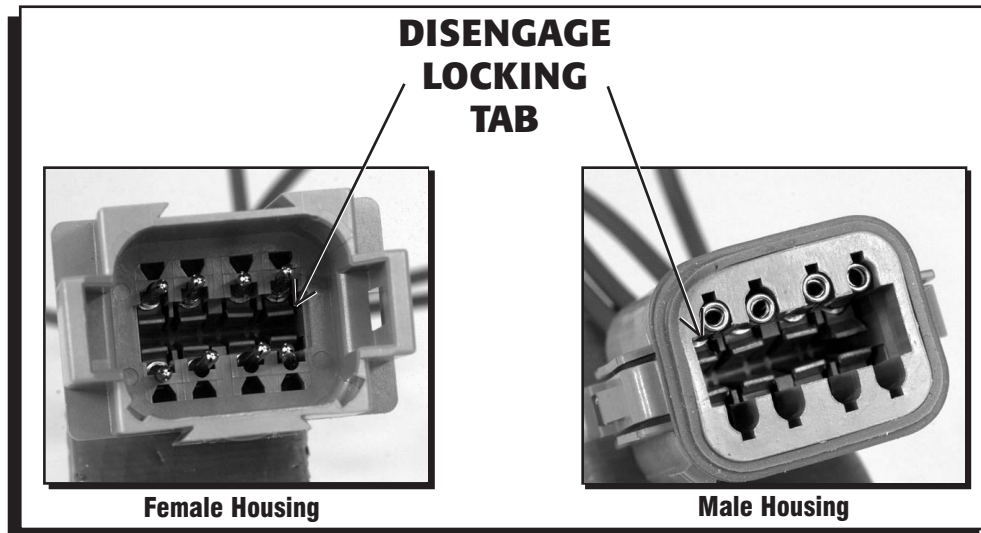


Figure 7 Disassembling the Housings.

To remove the terminals and wires, use a small screwdriver or awl to disengage the locking tabs and pull the wire out (Figure 7).

