

# **MSD** **IGNITION** **INSTALLATION INSTRUCTIONS**

## **MSD 8 IGNITION PN 7800**

### **Parts Included:**

- |                               |                                          |
|-------------------------------|------------------------------------------|
| 1 – MSD 8 Ignition, PN 7800   | 1 – Coil Harness, Orange and Black       |
| 1 – Capacitor Filter, PN 8830 | 1 – Mag Pickup Harness, Violet and Green |
| 4 – Vibration Mounts          | 1 – Ignition Switch Harness, Red         |

### **Recommended Coils:**

- Pro Power Coil, PN 8201
- Pro Power HVC II Coil, PN 8261

**WARNING:** During installation, disconnect the battery. When disconnecting, always disconnect the negative cable first and install it last.

**WARNING:** When using and MSD 8 there is high voltage present on the coil primary terminals. Never touch the coil or connect test equipment to these terminals.

- The MSD 8 is a race-only Ignition Control. It should be used with the supplied Capacitor on its power leads.
- The battery of the electrical system must be fully charged. The MSD 8 will use approximately 36 amps at 12,000 rpm.
- Note that there is no Points/Amplifier trigger input. If you are using a timing control or triggering the ignition from the ECU of an EFI system, use the Mag+ terminal.
- A crank trigger is the preferred method of triggering the MSD 8.
- The MSD 8 does not have a built-in rev limiter. An external Rev Limiter, PN 8978, is available separately.
- Correct grounding is important to the ignition system performance. Follow the example in Figure 1 with the Capacitor Filter.
- It is not recommended to lengthen the power leads of the ignition.
- It is recommended to disconnect the heavy power leads when welding on your car. Also disconnect the tach ground wire.
- Inspect the cap, rotor and wires as a part of routine maintenance. The output of the MSD 8 puts a lot of load on the secondary ignition components.

**WIRING**

Power Cables	
<b>Heavy Red</b>	Connects to the battery positive (+) terminal.
<b>Heavy Black</b>	Connects to a shared ground with the Capacitor Filter coming from the battery negative (-) terminal.
<b>Small Red (IGN)</b>	Connects to the IGN terminal and supplies a switched 12 volt source.
<b>Orange (C+)</b>	Coil positive (+) wire. This is the only wire that makes contact with the coil positive terminal.
<b>Black (C-)</b>	Coil negative (-) wire. This is the only wire that makes contact with the coil negative terminal.
<b>Violet (M+) Green (M-)</b>	Magnetic Pickup positive wire from the crank trigger pickup. Magnetic Pickup negative wire from the crank trigger pickup.  <b>Note:</b> If using a Timing Control, its Yellow wire connects to M+.

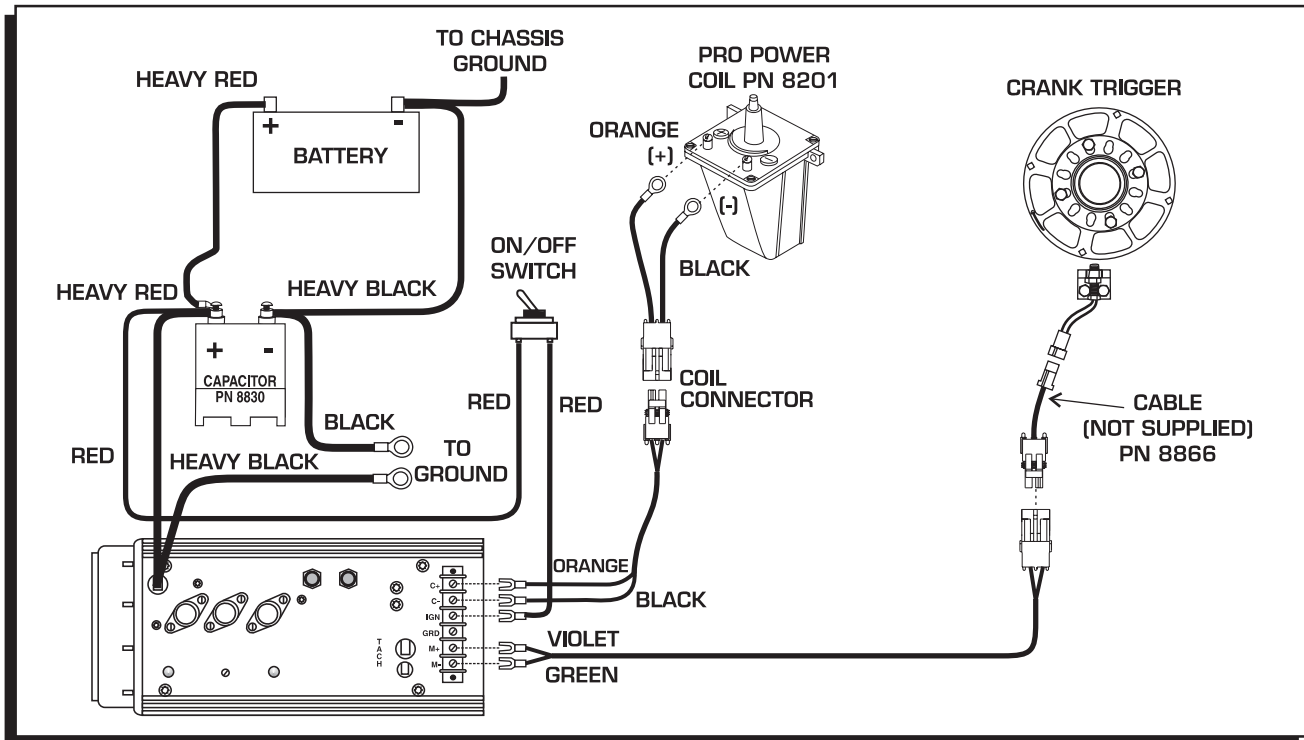


Figure 1 Wiring the MSD 8 with a Crank Trigger.

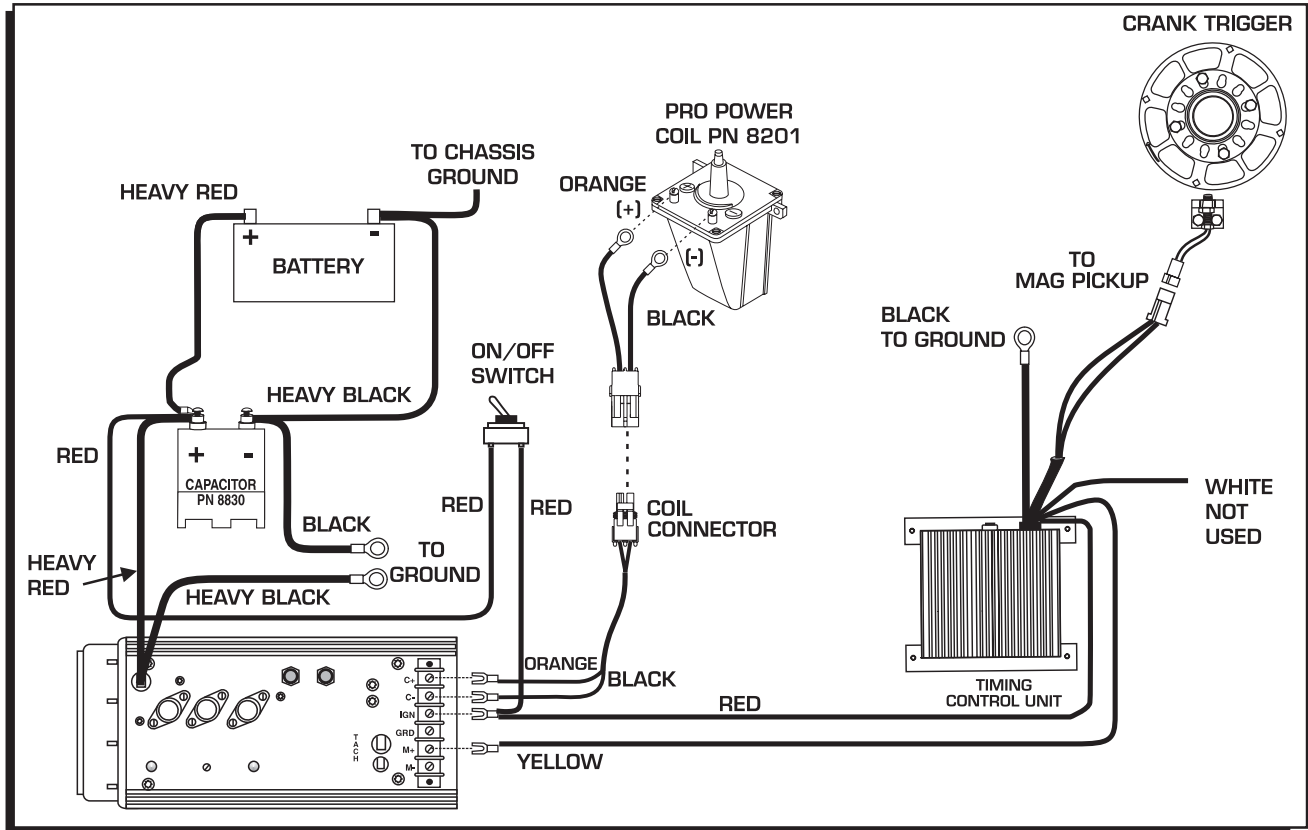


Figure 2 Wiring the MSD 8 with a Timing Control.

