Alternator Voltage Regulator Installation

To use your SymTech Labs external alternator voltage regulator with your Dodge Neon, Mitsubishi Eclipse, or similar Chrysler vehicle, begin by grounding the case of the regulator to the vehicle chassis. Sheet metal screws work well to secure the regulator to the firewall, but be sure metal-to-metal contact is made; paint is an insulator.

Next, connect the voltage regulator to the alternator's field coil. The center pin on the regulator's connector is the battery voltage reference; it must to be connected to the +12V switched side of the auto-shutdown (ASD) relay. This connection can be made near the two-wire connector on the alternator. The connection from this pin should be tapped into the dark green and orange wire on Dodge Neons and the red wire on Mitsubishi Eclipses and Eagle Talons. If the stock wiring has been removed, this pin can be connected to the positive battery terminal through a relay.

The left pin on the regulator controls the field regulating voltage. Cut the other wire on alternator's two-wire connector, a dark green wire on Dodge Neons and a blue wire on Mitsubishi Eclipses and Eagle Talons, and connect it directly to the regulator's left pin. Remove the end of the wire in the stock wiring harness leading to the stock PCM location or safely secure it with electrical tape or heat shrink tubing.

Do not alter the wire connected to the ring terminal on the alternator. This wire is connected directly to the battery.