

## **Ignition Control Module (ICM)**

What It Does: The Ignition Control Module controls the current in the primary winding of the ignition coil. The secondary output voltage from the ignition coil is generated when the voltage in the ignition coil primary circuit is momentarily shorted to ground and then open circuited. The magnetic field within the coil collapses when the circuit opens inducing the voltage into the ignition coils secondary winding. The Ignition Control Module may also control ignition timing.

Location: The Ignition Control Module may be located within the distributor, on the firewall, fender well, or within the Powertrain Control Module.

Failure Symptoms: Malfunction Indicator Light (MIL) illumination, failed emission test, misfire condition, hard starting, no start, engine hesitation.

**Coil Negative**  
**Ground**  
**Input Signal Positive**  
**Battery Positive- Ignition Swt**

