



Idle Speed is regulated by
Idle Air Control and Ignition Timing
with additional input from Temperature, Transmission Load (Gear Selection) and Air Conditioner Compressor.

Common Causes of Idle Problems

- Throttle Body
- Throttle Position Sensor
- Idle Air Control Valve
- Idle Air Temperature Sensor
- Engine Coolant Temperature Sensor
- Crankshaft Position Sensor (Engine Speed)
- Mass Air Flow Sensor
- EGR Valve
- Vacuum/Air Leak
- ECU - Base Setup (requires PDU or WDS)

The EEPROM stores Fuel Metering, Idle Air Settings and VIN which cannot be reprogrammed with a PDU. Therefore the ECM should not be switched between vehicles.