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## POOR PERFORMANCE AT LOW AND IDLE SPEED

### 1. Spark Plug Inspection

Remove and inspect spark plugs.

*Are the spark plugs in good condition?*

**NO** – • Plugs not serviced frequently enough  
• Incorrect spark plug heat range  
• Incorrect spark plug gap

**YES** – GO TO STEP 2.

### 2. Ignition Timing Inspection

Check the ignition timing.

*Is the ignition timing as specified?*

**NO** – • Faulty engine control module (ECM)  
• Faulty ignition pulse generator  
• Faulty cam pulse generator  
• Faulty vehicle speed sensor  
• Improper valve timing

**YES** – GO TO STEP 3.

### 3. Fuel Pump Inspection

Inspect the fuel flow.

*Is the fuel pump unit normal?*

**NO** – Faulty fuel pump unit (page 6-58).

**YES** – GO TO STEP 4.

### 4. Programmed Fuel Injection System Inspection

Check the fuel injection system.

*Is the fuel injection system normal?*

**NO** – Faulty fuel injection system (page 6-79), (page 6-67).

**YES** – GO TO STEP 5.

### 5. Starter Valve Synchronization Inspection

Check the starter valve synchronization.

*Is the starter valve synchronization as specified?*

**NO** – Adjust the starter valve synchronization (page 6-86).

**YES** – GO TO STEP 6.

### 6. Intake Pipes Leaking Inspection

Check for leaks at the intake manifold pipes.

*Are there leaks?*

**YES** – • Loose insulator  
• Damaged insulator