

**DTC****P0607****Control Module Performance****DESCRIPTION**

The ECM continuously monitors its main and sub CPUs. This self-check ensures that the ECM is functioning properly. If outputs from the CPUs are different and deviate from the standards, the ECM will illuminate the MIL and set a DTC immediately.

The ECM also monitors the cruise control cancel circuit. If this circuit malfunctions, the ECM will set a DTC immediately (MIL is not illuminated).

| DTC No. | DTC Detection Condition                                                                                                                            | Trouble Area |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| P0607   | <ul style="list-style-type: none"> <li>ECM main CPU error</li> <li>ECM sub CPU error</li> <li>Cruise control cancel circuit malfunction</li> </ul> | ECM          |

**ES****NOTICE:**

**First check for an exhaust gas leak around the HO2S if P0606 is present. An exhaust gas leak generates noise in the HO2S output. The ECM may interpret this as an HO2S transistor malfunction.**

**MONITOR STRATEGY**

|                             |                            |
|-----------------------------|----------------------------|
| Related DTC                 | P0607: ECM CPU malfunction |
| Required sensors/Components | ECM                        |
| Frequency of Operation      | Continuous                 |
| Duration                    | Within 1 second            |
| MIL Operation               | Immediate                  |
| Sequence of Operation       | None                       |

**TYPICAL ENABLING CONDITIONS**

|                                                          |      |
|----------------------------------------------------------|------|
| Monitor runs whenever the following DTCs are not present | None |
|----------------------------------------------------------|------|

**TYPICAL MALFUNCTION THRESHOLDS**

|                                    |              |
|------------------------------------|--------------|
| Stack area                         | Out of range |
| Either A or B is met               | -            |
| A. Message                         | Error        |
| B. Check sum                       | Error        |
| Watchdog from monitoring processor | Not toggled  |

**INSPECTION PROCEDURE****1****CHECK WHETHER DTC OUTPUT RECURS (IN ADDITION TO DTC P0607)**

- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch to the ON position.
- (c) Turn the tester on.
- (d) Clear the DTC.
- (e) Turn the ignition switch off.
- (f) Disconnect the battery negative terminal and wait for 1 minute.
- (g) Connect the battery negative terminal.
- (h) Turn the ignition switch to the ON position.

- (i) Enter the following menus: DIAGNOSIS / ENHANCED II / DTC INFO / CURRENT CODES.
- (j) Read the DTCs.

**Result**

| Display (DTC output) | Proceed to |
|----------------------|------------|
| P0607                | A          |
| No output DTC        | B          |

**B****CHECK FOR INTERMITTENT PROBLEMS****A****REPLACE ECM (See page [ES-406](#))****ES**