

vacuum-boost gauge and digital display to the last indication state, based upon the last message received.

- If the vacuum-boost display message is missing for 5 seconds or longer, the IPC sets DTC U0100:00 and defaults the vacuum-boost gauge to the rest position and the digital display blank.

Possible Sources

- Communication concern
- PCM input concern
- IPC

DIAGNOSIS AND TESTING > INSTRUMENTATION, MESSAGE CENTER AND WARNING CHIMES > PINPOINT TESTS > PINPOINT TEST B : A VIRTUAL GAUGE (ACCELEROMETER, AIR FUEL RATIO, AXLE TEMPERATURE, BATTERY VOLTAGE GAUGE, CYLINDER HEAD TEMPERATURE, ENGINE OIL PRESSURE, ENGINE OIL TEMPERATURE, INLET AIR TEMPERATURE, TRANSMISSION FLUID TEMPERATURE OR VACUUM-BOOST), IS INOPERATIVE > PINPOINT TEST B : A VIRTUAL GAUGE (ACCELEROMETER, AIR FUEL RATIO, AXLE TEMPERATURE, BATTERY VOLTAGE GAUGE, CYLINDER HEAD TEMPERATURE, ENGINE OIL PRESSURE, ENGINE OIL TEMPERATURE, INLET AIR TEMPERATURE, TRANSMISSION FLUID TEMPERATURE OR VACUUM-BOOST), IS INOPERATIVE

B1 CHECK THE IPC (INSTRUMENT PANEL CLUSTER) OPERATION

Ignition ON.

Using a diagnostic scan tool, perform the BCM self-test.

Verify all functions of the IPC (gauges, indicators, message center and chimes) operate.

Do all functions of the IPC operate?

Yes	GO to B2
No	GO to Pinpoint Test A

B2 VERIFY THE IPC (INSTRUMENT PANEL CLUSTER) IS SET TO THE DISPLAY/GAUGE IN QUESTION



NOTE: The IPC and message center navigation can be found in the Owner's Literature.

Using the message center controls, make sure the IPC is set to the display/gauge for the

gauge in question.

Is the message center set to the display/gauge for the gauge in question?

Yes	If the engine oil pressure gauge does not display, GO to B3If the virtual gauge in question does not display, GO to B4
No	If the virtual gauge in question functions, the system is operating correctly. The IPC was not set to display the gauge in question. If the virtual gauge in question does not display, INSTALL a new IPC. REFER to: Instrument Panel Cluster (IPC) .

B3 CHECK THE LOW OIL PRESSURE RTT (RECONFIGURABLE TELLTALE) OPERATION

Start the engine and monitor the low oil pressure RTT.

Ignition OFF.

Disconnect Engine Oil Pressure Switch C103 (2.3L).

Disconnect Engine Oil Pressure Switch C1642 (3.7L).

Disconnect Engine Oil Pressure Switch C1657 (5.0L).

Disconnect Engine Oil Pressure Switch (5.2L).

Start the engine and monitor the low oil pressure RTT.

Is the low oil pressure RTT off with the engine oil pressure switch connected and turn on with the engine oil pressure switch disconnected?

Yes	GO to B4
No	For 2.3L and 3.7L, GO to Pinpoint Test AN For 5.0L and 5.2L, GO to Pinpoint Test AO

B4 PERFORM THE IPC (INSTRUMENT PANEL CLUSTER) SELF-TEST

Using a diagnostic scan tool, perform the IPC self-test.

Check for recorded Diagnostic Trouble Codes (DTCs) from the IPC self-test.

Are any Diagnostic Trouble Codes (DTCs) recorded?

Yes	REFER to DTC Chart: IPC .
No	GO to B5

B5 PERFORM THE PCM (POWERTRAIN CONTROL MODULE) SELF-TEST

Using a diagnostic scan tool, perform the PCM self-test.