

- If the engine coolant temperature data or engine overheat indication messages are missing for 5 seconds or longer, the IPC defaults the temperature gauge to the full hot position.

Fuel Gauge

- If the IPC does not receive the fuel level input for less than 33 seconds, the IPC defaults the fuel gauge to the last indication state based on the last input received.
- If the IPC does not receive the fuel level input for longer than 33 seconds, the IPC defaults the fuel gauge to empty (E).

Oil Pressure Gauge

- If the oil pressure warning indicator request message is missing for less than 5 seconds, the IPC defaults the oil pressure gauge the last indication based upon that last message received.
- If the IPC does not receive the oil pressure warning indicator request message for 5 seconds or longer, the IPC defaults the oil pressure gauge to 0 PSI.

Transmission Temperature Gauge

- If the transmission fluid temperature message is missing for less than 5 seconds, the IPC defaults the transmission temperature gauge to the last indication based upon that last message received.
- If the IPC does not receive the transmission fluid temperature message for 5 seconds or longer, the IPC defaults the transmission temperature gauge to full cold (C).

Turbo Boost Gauge

- If the turbo boost data message is missing for less than 5 seconds, the IPC defaults the turbo boost gauge to the last indication based upon the last message received.
- If the IPC does not receive the turbo boost data message for 5 seconds or longer, the IPC defaults the turbo boost gauge to 0 PSI.

Possible Sources

- Communication concern
- Gauge input concern
- IPC

DIAGNOSIS AND TESTING > INSTRUMENTATION, MESSAGE CENTER AND WARNING CHIMES > PINPOINT TESTS > PINPOINT TEST B : A VIRTUAL GAUGE IS INOPERATIVE (HIGH-LEVEL IPC (INSTRUMENT PANEL CLUSTER) ONLY) > PINPOINT TEST B : A VIRTUAL GAUGE IS INOPERATIVE (HIGH-LEVEL IPC (INSTRUMENT PANEL CLUSTER) ONLY)

B1 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	For the engine temperature gauge or oil pressure gauge, GO to B3 For the fuel gauge, GO to Pinpoint Test C For the transmission temperature gauge or turbo boost gauge, GO to B2

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

Ignition ON.

 *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 display the gauge in question.

Is the IPC set to display the gauge?

Yes	GO to B3
No	The IPC was not set to display the gauge in question. The virtual gauge is operating correctly.

B3 PERFORM THE PCM (POWERTRAIN CONTROL MODULE) SELF-TEST

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

Check for recorded Diagnostic Trouble Codes (DTCs).

Are any Diagnostic Trouble Codes (DTCs) recorded?

Yes	Refer to the appropriate article for the procedure.
No	GO to B4

B4 PERFORM THE BCM (BODY CONTROL MODULE) SELF-TEST

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

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

Are any Diagnostic Trouble Codes (DTCs) recorded?