

Using a diagnostic scan tool, view the IPC Parameter Identifications (PIDs).

Select the IPC temperature gauge (ENGCOOLNT) PID.



NOTE: Make sure to set the diagnostic scan tool to 0 or full cold before beginning this step.

Command the temperature gauge on and off while monitoring the temperature gauge.

Does the temperature gauge start at cold (C), move to full hot (H) and return to cold (C)?

Yes	INSTALL a new GWM. REFER to: Gateway Module A (GWM) . CLEAR the Diagnostic Trouble Codes (DTCs). REPEAT the self-test. If the temperature gauge is still inoperative, INSTALL a new PCM. Refer to the appropriate article for the procedure.
No	INSTALL a new IPC. REFER to: Instrument Panel Cluster (IPC) .

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Normal Operation and Fault Conditions

See Temperature Gauge. REFER to: Instrument Panel Cluster (IPC) - System Operation and Component Description .

If the engine coolant temperature data or engine overheat indication request messages are missing for 5 seconds or less or if the IPC receives invalid engine temperature data for 5 seconds or less, the IPC defaults the temperature gauge to the last setting, based upon the last known good temperature status message.

Possible Sources

- Engine cooling system concern
- PCM input concern
- IPC

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J1 CHECK FOR CORRECT OPERATION OF THE COOLING SYSTEM