

- PSCM (integral to the steering gear)
- IPMA (integral to the interior rear view mirror)

DTC	Description	Fault Trigger Conditions
U0131:87	Lost Communication With Power Steering Control Module: Missing Message	A continuous memory DTC that sets in the IPMA if messages received from the PSCM over the HS-CAN2 are missing for 0.5 second or more.

**DIAGNOSIS AND TESTING > LANE KEEPING SYSTEM > PINPOINT TESTS >
PINPOINT TEST G : DTC (DIAGNOSTIC TROUBLE CODE) U0131:87 > PINPOINT TEST
G : DTC (DIAGNOSTIC TROUBLE CODE) U0131:87**

G1 VERIFY THE CUSTOMER CONCERN

Ignition ON.

Verify there is an observable symptom present.

Is there an observable symptom present?

Yes	GO to G2
No	CLEAR the DTC. The system is operating normally at this time. The DTC may have been set due to high network traffic or an intermittent fault condition.

G2 CHECK THE COMMUNICATION NETWORK

Using a diagnostic scan tool, perform a network test.

Does the PSCM pass the network test?

Yes	GO to G3
No	REFER to: Communications Network .

G3 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCs) FROM THE PSCM (POWER STEERING CONTROL MODULE) SELF-TEST

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

Are any Diagnostic Trouble Codes (DTCs) present?

Yes	REFER to: Power Steering .
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No	GO to G4
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G4 RECHECK THE IPMA (IMAGE PROCESSING MODULE A) CONTINUOUS MEMORY DIAGNOSTIC TROUBLE CODES (CMDTCS)

Using a diagnostic scan tool, clear the IPMA Diagnostic Trouble Codes (DTCs).

Ignition OFF.

Wait 10 seconds.

Ignition ON.

Wait 10 seconds.

Retrieve the IPMA Continuous Memory Diagnostic Trouble Codes (CMDTCs).

Is DTC U0131:87 still present?

Yes	GO to G5
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No	The system is operating correctly at this time. The DTC may have been set due to high network traffic or an intermittent fault condition.
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G5 CHECK FOR DTC U0131 SET IN OTHER MODULES

Using a diagnostic scan tool, clear all Diagnostic Trouble Codes (DTCs).

Ignition OFF.

Ignition ON.

Wait 10 seconds.

Retrieve the Continuous Memory Diagnostic Trouble Codes (CMDTCs) from all modules.

Is DTC U0131 set in any other module?

Yes	GO to G6
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No	GO to G7
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G6 CHECK FOR CORRECT PSCM (POWER STEERING CONTROL MODULE) OPERATION

Ignition OFF.

Disconnect and inspect all PSCM connectors and related in-line connectors.

Repair:

corrosion (install new connector or terminals - clean module pins)