

Normal Operation and Fault Conditions

The PAM communicates with the BCM through the High Speed Controller Area Network 1 (HS1-CAN).
REFER to: Parking Aid - System Operation and Component Description .

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
U0140:00	Lost Communication With BCM: No Sub Type Information	A continuous DTC that sets when the PAM is unable to communicate with the BCM for 5 seconds or more.

Possible Sources

- Communication concern
- BCM
- PAM (integral to the BCM)

DIAGNOSIS AND TESTING > PARKING AID > PINPOINT TEST(S) > PINPOINT TEST J : U0140:00 > PINPOINT TEST J : U0140:00

J1 VERIFY THE CUSTOMER CONCERN

Ignition ON.

Verify there is an observable symptom present.

Is an observable symptom present?

Yes	GO to J2
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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.
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J2 CHECK THE COMMUNICATION NETWORK

Ignition ON.

Using a diagnostic scan tool, perform the network test.

Does the BCM pass the network test?

Yes	GO to J3
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No	REFER to: Communications Network .
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J3 PERFORM THE BCM (BODY CONTROL MODULE) SELF-TEST

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

Are any DTCs (diagnostic trouble codes) recorded?

Yes	REFER to: Body Control Module (BCM) .
No	GO to J4

J4 RECHECK THE PAM (PARKING ASSIST CONTROL MODULE) DTCS (DIAGNOSTIC TROUBLE CODES)

Using a diagnostic scan tool, clear the DTCs (diagnostic trouble codes).

Operate the system and test the system for normal operation.

Check the PAM CMDTCs (continuous memory diagnostic trouble codes).

Is DTC U0140:00 still present?

Yes	GO to J5
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.

J5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0140:00 OR DTC (DIAGNOSTIC TROUBLE CODE) U0140:87 SET IN OTHER MODULES

Using a diagnostic scan tool, clear all DTCs (diagnostic trouble codes).

Ignition OFF.

Ignition ON.

Wait 10 seconds.

Using a diagnostic scan tool, retrieve CMDTCs (continuous memory diagnostic trouble codes) from all modules.

Is DTC U0140:00 or DTC U0140:87 set in other modules?

Yes	GO to J6
No	The system is operating correctly at this time. Concern may have been caused by a loose or corroded connector. ADDRESS the root cause of any connector or pin issues.

J6 CHECK FOR CORRECT BCM (BODY CONTROL MODULE) OPERATION