

Yes	CHECK OASIS for any applicable TSB. If a TSB exists for this concern, DISCONTINUE this test and FOLLOW the TSB instructions. If no TSB addresses this concern, .
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.

DIAGNOSIS AND TESTING > PARKING AID > PINPOINT TEST(S) > PINPOINT TEST F : U0100:00

Refer to Module Communications Network for schematic and connector information.

Normal Operation and Fault Conditions

The PAM communicates with the PCM on 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
U0100:00	Lost Communication With ECM/PCM "A": No Sub Type Information	Sets in continuous memory in the PAM if messages received from the PCM are missing for 5 seconds or more.

Possible Sources

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

DIAGNOSIS AND TESTING > PARKING AID > PINPOINT TEST(S) > PINPOINT TEST F : U0100:00 > PINPOINT TEST F : U0100:00

F1 VERIFY THAT A VEHICLE SESSION CAN BE ESTABLISHED USING THE DIAGNOSTIC SCAN TOOL

Ignition ON.

Verify that a vehicle session can be established using a diagnostic scan tool.

Can a vehicle session be established?

Yes	GO to F2
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No	REFER to: No Communication Between the Integrated Diagnostic System (IDS) and the Vehicle .
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F2 RECHECK THE PAM (PARKING ASSIST CONTROL MODULE) DTCS (DIAGNOSTIC TROUBLE CODES)

Ignition ON.

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

Operate the system and test for normal operation.

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

Is DTC U0100:00 still present?

Yes	GO to F3 PCM
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No	Clear the DTC. 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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F3 RETRIEVE THE RECORDED DTCS (DIAGNOSTIC TROUBLE CODES) FROM THE PCM (POWERTRAIN CONTROL MODULE) SELF-TEST

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

Are any DTCs (diagnostic trouble codes) (recorded)?

Yes	Refer to the appropriate article for the procedure.
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No	GO to F4
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F4 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0100:00 OR DTC (DIAGNOSTIC TROUBLE CODE) U0100:87 SET IN OTHER MODULES

Using a diagnostic scan tool, clear all DTCs.

Ignition OFF.

Ignition ON.

Wait 10 seconds.

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

Is DTC U0100:00 or DTC U0100:87 set in other modules?

Yes	GO to F5
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No	GO to F6
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F5 CHECK FOR CORRECT PCM (POWERTRAIN CONTROL MODULE) OPERATION

Ignition OFF.

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

Repair:

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

damaged or bent pins - install new terminals/pins

pushed-out pins - install new pins as necessary

Reconnect the PCM and related in-line connectors. Make sure they seat and latch correctly.

Operate the system and determine if the concern is still present.

Is the concern still present?

Yes	CHECK OASIS for any applicable TSB. If a TSB exists for this concern, DISCONTINUE this test and FOLLOW the TSB instructions. If no TSB addresses this concern, INSTALL a new PCM. Refer to the appropriate article for the procedure.
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.

F6 CHECK FOR CORRECT BCM (BODY CONTROL MODULE) OPERATION

Ignition OFF.

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

Repair:

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

damaged or bent pins - install new terminals/pins

pushed-out pins - install new pins as necessary

Reconnect the BCM and related in-line connectors. Make sure they seat and latch correctly.

Operate the system and determine if the concern is still present.

Is the concern still present?

Yes	CHECK OASIS for any applicable TSB. If a TSB exists for this concern, DISCONTINUE this test and FOLLOW the TSB instructions. If no TSB addresses this concern, .
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