

Pinpoint Test - DTC: AH

U0100:00

Normal Operation and Fault Conditions

The OCSM and RCM both use information contained in messages from the PCM sent on the HS-CAN.

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
U0100:00	Lost Communication with ECM/PCM "A": No Sub Type Information	This DTC sets if the OCSM does not receive an expected message from the PCM.
U0100:00	Lost Communication with ECM/PCM "A": No Sub Type Information	This DTC sets if the RCM does not receive an expected message from the PCM.

Possible Causes

- Network traffic
- PCM
- RCM
- OCSM

PINPOINT TEST A : U0100:00

NOTE: Most faults are due to connector and/or wiring concerns. Carry out a thorough inspection and verification before proceeding with the pinpoint test.

NOTE: Only disconnect or reconnect SRS components when instructed to do so within a pinpoint test step. Failure to follow this instruction may result in incorrect diagnosis of the SRS.

NOTE: Always make sure the correct SRS component is being installed. Parts released for other vehicles may not be compatible even if they appear physically similar. Check the part number listed in the Ford parts catalog to make sure the correct component is being installed. If an incorrect SRS component is installed, Diagnostic Trouble Codes (DTCs) may set.

A1 VERIFY DIAGNOSTIC SCAN TOOL COMMUNICATION WITH THE PCM (POWERTRAIN CONTROL MODULE)

 **WARNING:** Before beginning any service procedure in this section, refer to Safety Warnings in section 100-00 General Information. Failure to follow this instruction may result in serious personal injury.

- REFER to: [Pyrotechnic Device Health and Safety Precautions](#) (100-00 General Information, Description and Operation).
- Ignition ON.
- Connect the diagnostic scan tool.
- Check that a vehicle session can be established using the diagnostic scan tool.

Can a vehicle session be established?

Yes	If DTC U0100:00 was retrieved from the OCSM, GO to A2 If DTC U0100:00 was retrieved from the RCM, GO to A3
No	To diagnose no communication with the PCM, REFER to: Communications Network (418-00) .

A2 CHECK THE OCSM (OCCUPANT CLASSIFICATION SYSTEM MODULE) CONTINUOUS MEMORY DIAGNOSTIC TROUBLE CODES (CMDTCS)

- Using a diagnostic scan tool, perform OCSM self-test.
- Using a diagnostic scan tool, clear OCSM Diagnostic Trouble Codes (DTCs).
- Wait 10 seconds.
- Using a diagnostic scan tool, perform OCSM self-test.

Is DTC U0100:00 retrieved again?

Yes	GO to A4
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.

A3 CHECK THE RCM (RESTRAINTS CONTROL MODULE) CONTINUOUS MEMORY DIAGNOSTIC TROUBLE CODES (CMDTCS)

- Using a diagnostic scan tool, perform RCM self-test.
- Using a diagnostic scan tool, clear RCM Diagnostic Trouble Codes (DTCs).
- Wait 10 seconds.
- Using a diagnostic scan tool, perform RCM self-test.

Is DTC U0100:00 retrieved again?

Yes	GO to A4
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.

A4 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE PCM (POWERTRAIN CONTROL MODULE) KOEO (KEY ON, ENGINE OFF) SELF-TEST

- Using a diagnostic scan tool, perform PCM self-test.
- Check for recorded Diagnostic Trouble Codes (DTCs) from the PCM KOEO self-test.

Is DTC P0562 or P0563 recorded?

Yes	DIAGNOSE the PCM Diagnostic Trouble Codes (DTCs). Refer to the appropriate section in Group 303 for the procedure.
No	If DTC U0100:00 was originally retrieved from the OCSM, GO to A5 If DTC U0100:00 was originally retrieved from the RCM, GO to A6

A5 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE OCSM (OCCUPANT CLASSIFICATION SYSTEM MODULE) SELF-TEST

- Using a diagnostic scan tool, perform OCSM self-test.
- Check for recorded Diagnostic Trouble Codes (DTCs) from the OCSM self-test.

Is DTC U3003:16 or U3003:17 recorded?

Yes	REFER to: Pinpoint Test - DTC: AU (501-20B) .
No	GO to A7

A6 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE RCM (RESTRAINTS CONTROL MODULE) SELF-TEST

- Using a diagnostic scan tool, perform RCM self-test.
- Check for recorded Diagnostic Trouble Codes (DTCs) from the RCM self-test.

Is DTC U3003:16 or U3003:17 recorded?

Yes	REFER to: Pinpoint Test - DTC: AU (501-20B) .
No	GO to A8

A7 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0100:00 SET IN MODULES OTHER THAN THE OCSM (OCCUPANT CLASSIFICATION SYSTEM MODULE)

- Using a diagnostic scan tool, perform self-test for all modules.

Is DTC U0100:00 set in the ABS module or in the RCM?

Yes	CHECK OASIS for any applicable service articles: TSB, GSB, SSM or FSA. If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new PCM. Refer to the appropriate section in Group 303 for the procedure.
No	CHECK OASIS for any applicable service articles: TSB, GSB, SSM or FSA. If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new OCSM. REFER to: Occupant Classification System (OCS) Sensor - Vehicles With: Multi-Contour Seats (501-20B) . REFER to: Occupant Classification System (OCS) Sensor - Vehicles Without: Multi-Contour Seats (501-20B) .

A8 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0100:00 SET IN OTHER MODULES OTHER THAN THE RCM (RESTRAINTS CONTROL MODULE)

- Using a diagnostic scan tool, perform self-test for all modules.

Is DTC U0100:00 set in the ABS module or in the OCSM?

Yes	CHECK OASIS for any applicable service articles: TSB, GSB, SSM or FSA. If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new PCM. Refer to the appropriate section in Group 303 for the procedure.
No	CHECK OASIS for any applicable service articles: TSB, GSB, SSM or FSA. If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new RCM. REFER to: Restraints Control Module (RCM) (501-20B) .