

Pinpoint Test - DTC: AW

U0413:56

Normal Operation and Fault Conditions

The RCM uses information contained in messages from the BECMB sent on the HS-CAN2.

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
U0413:56	Lost Communication with Body Control Module: No Sub Type Information	This DTC sets if the RCM receives a message from the BECMB but is not configured to receive messages from the BECMB.

Possible Sources

- Incorrect RCM part number
- Incorrect RCM configuration
- RCM

PINPOINT TEST A : U0413:56



WARNING: Do not handle, move or change the original horizontal mounting position of the Restraints Control Module (RCM) while the Restraints Control Module (RCM) is connected and the ignition switch is ON. Failure to follow this instruction may result in the accidental deployment of the Safety Canopy® and cause serious personal injury or death.

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: SRS components should only be disconnected or reconnected 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.

NOTE: The SRS must be fully operational and free of faults before releasing the vehicle to the customer.

A1 CHECK FOR THE CORRECT RCM (RESTRAINTS 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.
- Using the Log Viewer function of the diagnostic scan tool, retrieve and record the RCM part number.
- Check the recorded part number against the number listed in the Ford parts catalog.

Does the recorded part number match the number listed in the Ford parts catalog?

Yes	GO to A2
No	INSTALL the correct RCM and use As-Built data when carrying out PMI. REFER to: Restraints Control Module (RCM) (501-20B) . GO to A3

A2 VERIFY THE RCM (RESTRAINTS CONTROL MODULE) CONFIGURATION

- Carry out PMI for the RCM. Manually enter As-Built data. Refer to the diagnostic scan tool instructions when carrying out PMI.
- 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 U0413:56 retrieved again?

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 RCM. REFER to: Restraints Control Module (RCM) (501-20B) . GO to A3
No	The system is operating correctly at this time. The DTC was caused by an incorrect RCM configuration. GO to A3

A3 CHECK FOR ADDITIONAL SRS (SUPPLEMENTAL RESTRAINT SYSTEM) DIAGNOSTIC TROUBLE CODES (DTCS)

- Ignition OFF.
- Ignition ON.
- **NOTE:** When selecting Restraints from the Self Test menu, DTCs are retrieved from the RCM, OCSM and, if equipped, BECMB.

Using a diagnostic scan tool, perform **Restraints** self-test.

Are any RCM, OCSM and/or BECMB Diagnostic Trouble Codes (DTCs) retrieved on-demand during self-test?

Yes	Do not clear any Diagnostic Trouble Codes (DTCs) until all Diagnostic Trouble Codes (DTCs) have been resolved. REFER to: Airbag Supplemental Restraint System (SRS) (501-20B) .
No	The repair is complete. RETURN the vehicle to the customer.

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