

Pinpoint Test - DTC: AV

U0140:87

Normal Operation and Fault Conditions

The BECMB uses information contained in messages from the BCM sent on the HS-CAN1.

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
U0140:87	Lost Communication with Body Control Module: Missing Message	This DTC sets if the BECMB does not receive an expected message from the BCM.

Possible Sources

- Network traffic
- BCM
- BECMB
- Incorrect BECMB configuration
- Incorrect BECMB installed

PINPOINT TEST A : U0140:87

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 THE COMMUNICATION NETWORK

-  **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 a diagnostic scan tool, carry out a network test.

Does the BCM pass the network test?

Yes	GO to A2
No	To diagnose no communication with the BCM, REFER to: Communications Network (418-00 Module Communications Network) .

A2 CHECK THE BECMB (EXTENDED POWER MODULE) CONTINUOUS MEMORY DIAGNOSTIC TROUBLE CODES (CMDTCS)

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

Is DTC U0140:87 retrieved again?

Yes	GO to A3
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 FOR THE CORRECT BECMB (EXTENDED POWER MODULE)

- Using the Log Viewer function of the diagnostic scan tool, retrieve and record the BECMB 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 A4
No	INSTALL the correct BECMB and use As-Built data when carrying out PMI. REFER to: Battery Energy Control Module B (BECMB) (501-20 Supplemental Restraint System) . GO to A6

A4 VERIFY THE BECMB (EXTENDED POWER MODULE) CONFIGURATION

- Carry out PMI for the BECMB. Manually enter As-Built data. Refer to the diagnostic scan tool instructions when carrying out PMI.
- Using a diagnostic scan tool, clear BECMB Diagnostic Trouble Codes (DTCs).
- Wait 10 seconds.
- Using a diagnostic scan tool, perform BECMB self-test.

Is DTC U0140:87 retrieved again?

Yes	GO to A5
No	The system is operating correctly at this time. The DTC was caused by an incorrect BECMB configuration. GO to A6

A5 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCs) FROM THE BCM (BODY CONTROL MODULE) SELF-TEST

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

Is DTC U3003:16 or U3003:17 recorded?

Yes	DIAGNOSE the BCM Diagnostic Trouble Codes (DTCs). REFER to: Body Control Module (BCM) (419-10 Multifunction Electronic Modules) .
No	GO to A6

A6 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0140:00 SET IN OTHER MODULES

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

Is DTC U0140:00 set in the ABS Module or in the IPC?

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,   Click here to access Guided Routine (BCM).
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 BECMB. REFER to: Battery Energy Control Module B (BECMB) (501-20B) .