

Pinpoint Test - DTC: AM

U2300:55, U2300:64

Refer to Wiring Diagrams Cell 46 for schematic and connector information.

NOTE: DTC U2300:55 is set in every new RCM that has not previously been installed or that has previously been installed but has not yet successfully received configuration data messages from the BCM. DO NOT replace any components for this DTC unless directed to do so by the following pinpoint test.

Normal Operation and Fault Conditions

The RCM receives a configuration data message from the BCM when the RCM proves out during the very first ignition cycle after it is installed. During prove-out at the beginning of each subsequent ignition cycle, the BCM sends configuration data to the RCM and the RCM compares the message to the message that was received during the very first ignition cycle.

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
U2300:55	Central Configuration: Not Configured	This DTC is present in every new RCM. Once the new RCM is installed and it successfully receives a configuration data message from the BCM, this DTC reports as a CMDTC. If the RCM reports this DTC on-demand, it means that the configuration data message has not been received from the BCM.

U2300:64	Central Configuration: Signal Plausibility Failure	If the RCM receives a configuration data message that does not match the configuration data that was previously received and stored, it sets this DTC. This DTC can set on-demand during the RCM prove-out, but change to a CMDTC later on in the ignition cycle if the correct message is eventually received. If PMI has not been carried out for the BCM, this DTC sets.
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Possible Sources

- RCM or BCM configuration
- BCM
- RCM

PINPOINT TEST A : U2300:55, U2300:64



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: 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 RETRIEVE RCM (RESTRAINTS CONTROL MODULE) DIAGNOSTIC TROUBLE CODES (DTCS)



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: [Health and Safety Precautions](#) (100-00 General Information, Description and Operation).
- Ignition ON.
- Using a diagnostic scan tool, perform RCM self-test.
- Record the RCM Diagnostic Trouble Codes (DTCs) that were retrieved during the self-test.

Is DTC U2300:55 or U2300:64 retrieved on-demand?

Yes	GO to A2
No	If DTC U2300:55 or U2300:64 is retrieved as a CMDTC, CLEAR the RCM Diagnostic Trouble Codes (DTCs) and REPEAT the self-test. If DTC U2300:55 or U2300:64 does not return, RELEASE the vehicle to the customer. If DTC U2300:55 or U2300:64 returns on-demand, GO to A2

A2 CHECK FOR THE CORRECT BCM (BODY CONTROL MODULE)

- Using the Log Viewer function of the diagnostic scan tool, retrieve and record the BCM 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 A3
No	 Click here to access Guided Routine (BCM). USE As-Built data when carrying out PMI for the BCM. GO to A4

A3 CHECK FOR THE CORRECT RCM (RESTRAINTS CONTROL MODULE)

- 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	CARRY OUT PMI for the BCM using As-Built data. CLEAR the Diagnostic Trouble Codes (DTCs) and REPEAT the RCM self-test. If DTC U2300:55 or U2300:64 are retrieved, CARRY OUT PMI for the RCM using As-Built data. GO to A4
No	INSTALL the correct RCM and use As-Built data when carrying out PMI. REFER to: Restraints Control Module (RCM) (501-20B Supplemental Restraint System, Removal and Installation). GO to A4

A4 CHECK FOR ADDITIONAL RCM (RESTRAINTS CONTROL MODULE) OR BCM (BODY CONTROL MODULE) DIAGNOSTIC TROUBLE CODES (DTCS)

NOTE: Make sure all SRS components and the RCM electrical connectors are connected before carrying out the self-test. If not, Diagnostic Trouble Codes (DTCs) will be recorded.

- Ignition ON.
- Using a diagnostic scan tool, perform RCM self-test.
- Using a diagnostic scan tool, perform BCM self-test.

Were any Diagnostic Trouble Codes (DTCs) retrieved from the RCM or BCM during self-test?

Yes	If RCM Diagnostic Trouble Codes (DTCs) were retrieved, do not clear any Diagnostic Trouble Codes (DTCs) until all Diagnostic Trouble Codes (DTCs) have been resolved. REFER to: Airbag Supplemental Restraint System (SRS) - Raptor (501-20B Supplemental Restraint System, Diagnosis and Testing). If BCM Diagnostic Trouble Codes (DTCs) were retrieved, diagnose the BCM. REFER to: Body Control Module (BCM) (419-10 Multifunction Electronic Modules, Diagnosis and Testing).
No	CLEAR all Continuous Memory Diagnostic Trouble Codes (CMDTCs). PROVE OUT the SRS. The repair is complete. RETURN the vehicle to the customer.