

## Pinpoint Test - DTC: AK

**U0155:00**

### Normal Operation and Fault Conditions

The RCM uses information contained in messages from the IPC sent on the HS-CAN.

### DTC Fault Trigger Conditions

| DTC      | Description                                                                                    | Fault Trigger Conditions                                                                  |
|----------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| U0155:00 | Lost Communication with Instrument Panel Cluster (IPC) Control Module: No Sub Type Information | This DTC sets if the RCM does not receive an expected message from the IPC for 6 seconds. |

### Possible Causes

- Network traffic
- IPC
- RCM

### PINPOINT TEST A : U0155:00

**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.

**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 IPC pass the network test?**

|            |                                                                                                                                                               |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Yes</b> | GO to <a href="#">A2</a>                                                                                                                                      |
| <b>No</b>  | To diagnose no communication with the IPC,<br>REFER to: <a href="#">Communications Network</a> (418-00 Module Communications Network, Diagnosis and Testing). |

## A2 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 U0155:00 retrieved again?**

|            |                                                                                                                                           |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Yes</b> | GO to <a href="#">A3</a>                                                                                                                  |
| <b>No</b>  | 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 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCs) FROM THE RCM (RESTRAINTS CONTROL MODULE) SELF-TEST**

- Check the recorded Diagnostic Trouble Codes (DTCs) from the RCM self-test.

**Is DTC U3003:16 or U3003:17 recorded?**

|            |                                                                                                                           |
|------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Yes</b> | REFER to: <a href="#">Pinpoint Test - DTC: AN, Raptor</a> (501-20B Supplemental Restraint System, Diagnosis and Testing). |
| <b>No</b>  | GO to <a href="#">A4</a>                                                                                                  |

### **A4 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCs) FROM THE IPC (INSTRUMENT PANEL CLUSTER) SELF-TEST**

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

**Is DTC U3003:16 or U3003:17 recorded?**

|            |                                                                                                                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Yes</b> | REFER to: <a href="#">Instrumentation, Message Center and Warning Chimes</a> (413-01 Instrumentation, Message Center and Warning Chimes, Diagnosis and Testing). |
| <b>No</b>  | GO to <a href="#">A5</a>                                                                                                                                         |

**A5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0155:00 SET IN OTHER MODULES**

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

**Is DTC U0155:00 set in the BCM, ACM, or APIM (if equipped)?**

|            |                                                                                                                                                                                                                                                                                                                                                                           |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Yes</b> | CHECK OASIS for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW TSB instructions. If no Technical Service Bulletins (TSBs) address this concern,<br> <a href="#">Click here to access Guided Routine (IPC).</a>  |
| <b>No</b>  | CHECK OASIS for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW TSB instructions. If no Technical Service Bulletins (TSBs) address this concern, INSTALL a new RCM.<br>REFER to: <a href="#">Restraints Control Module (RCM)</a> (501-20B Supplemental Restraint System, Removal and Installation). |