U0401-IMPLAUSIBLE DATA RECEIVED FROM ECM (FDCM)

Additional Wiring
For a complete wiring diagram, refer to SYSTEM WIRING DIAGRAMS article.

Monitor Conditions

When Monitored:
With the ignition on for 4 seconds, no CAN BUS circuit error condition present, no lost communication with PCM condition present, and no system undervoltage or overvoltage condition present.

Set Conditions

• Set Condition:
The Final Drive Control Module is receiving implausible data for pedal position, engine RPM, torque, or engine coolant temperature from the PCM.

Possible Causes

<table>
<thead>
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<tbody>
<tr>
<td>POWERTRAIN DTCS PRESENT</td>
</tr>
<tr>
<td>FINAL DRIVE CONTROL MODULE (FDCM)</td>
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</table>

Diagnostic Test

1) POWERTRAIN DTCS PRESENT
Ignition on.
With the scan tool, read DTCs in the Powertrain Control Module.

Are there any DTCs present?

Yes
Refer to the DIAGNOSTIC CODE INDEX and perform the applicable diagnostic procedure.
Perform TRANSFER CASE VERIFICATION TEST VER 1.

No
Replace the Final Drive Control Module in accordance with the Service Information.

Perform TRANSFER CASE VERIFICATION TEST VER 1.

**U0401-IMPLAUSIBLE DATA RECEIVED FROM ECM/PCM**

**Additional Wiring**
For a complete wiring diagram, refer to SYSTEM WIRING DIAGRAMS article.

**Monitor Conditions**

- **When Monitored:**

  Continuously with the ignition on, one valid CAN message received at least once, and no U0002-CAN C Bus Off Performance DTC present.

**Set Conditions**

- **Set Condition:**

  When the Anti-Lock Brake Module detects an incorrect CAN message from the Engine Control Module (ECM).

**Possible Causes**

<table>
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<tr>
<td>ABM CAN BUS DTCS</td>
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<tr>
<td>ENGINE DTCS</td>
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<tr>
<td>ANTI-LOCK BRAKE MODULE</td>
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</tbody>
</table>

**Diagnostic Test**

1) **CHECK FOR DTC U0401-IMPLAUSIBLE DATA RECEIVED FROM ECM/PCM**

   ![NOTE: This DTC must be active for the results of this test to be valid.]

   Turn the ignition on.

   With the scan tool, record and erase DTCs.

   Cycle the ignition switch from off to on.

   With the scan tool, read DTCs.

   **Does the scan tool display: U0401-IMPLAUSIBLE DATA RECEIVED FROM ECM/PCM?**

   Yes
Go To 2).

No

Refer to ABS-INTERMITTENT CONDITION TEST.

2) CHECK IF FCM CAN BUS DTCS ARE PRESENT

With the scan tool, read FCM DTCs.

Are there any FCM CAN BUS DTCs present?

Yes

Refer to ELECTRICAL/ELECTRONIC CONTROL MODULES - DIAGNOSIS AND TESTING) and diagnose the appropriate symptom.

Perform ABS VERIFICATION TEST.

No

Go To 3).

3) CHECK IF ENGINE DTCS ARE PRESENT

With the scan tool, read Engine DTCs.

Are there any Engine DTCs present?

Yes

Refer to DIAGNOSTIC CODE INDEX and diagnose the appropriate symptom.

Perform ABS VERIFICATION TEST.

No

Using the schematics as a guide, check the Anti-Lock Brake Module pins, terminals, and connectors for corrosion, damage, or terminal push out. Pay particular attention to all power and ground circuits. If no problems are found, replace the Anti-Lock Brake Module per the Service Information.

Perform ABS VERIFICATION TEST.