September 3, 2018 Version 1

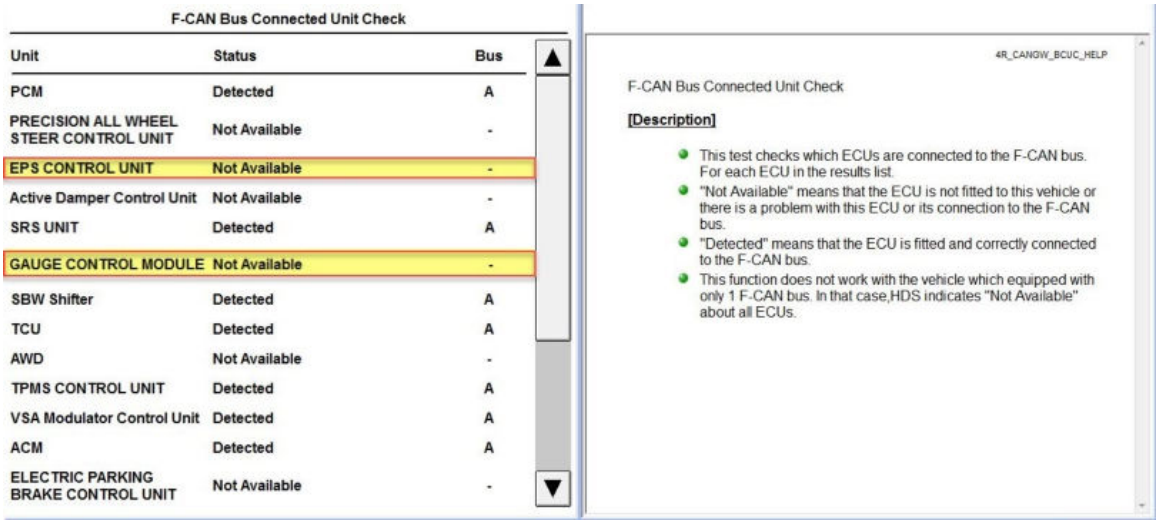
Service Manual Update: F-CAN Bus Connected Unit Check

AFFECTED VEHICLES

Year	Model	Trim
2019	MDX Sport Hybrid	ALL
2019	RDX	ALL
2019	TLX	ALL V6

BACKGROUND

Some troubleshooting procedures for a loss of communication or F-CAN malfunction DTC's require running the **F-CAN Bus Connected Unit Check** using the i-HDS. There are certain control units that may be reported as **Not Available** in the **Status** column even though they are properly communicating.



This bulletin illustrates two scenarios that may be a concern, and how to proceed with troubleshooting in each case. Keep in mind that what you see can vary depending on the vehicle, the DTC, or the symptom being addressed.

PROCEDURE

Scenario 1: U0100/U0122 Troubleshooting: Affected control units reading **Not Available** are **not** needed for your troubleshooting.

4. F-CAN circuit communication check (Transmitting control unit):

-1. Select the FUNCTION TEST in the CAN gateway with the HDS, then select the F-CAN Bus Connected Unit Check.

F-CAN Connection Check

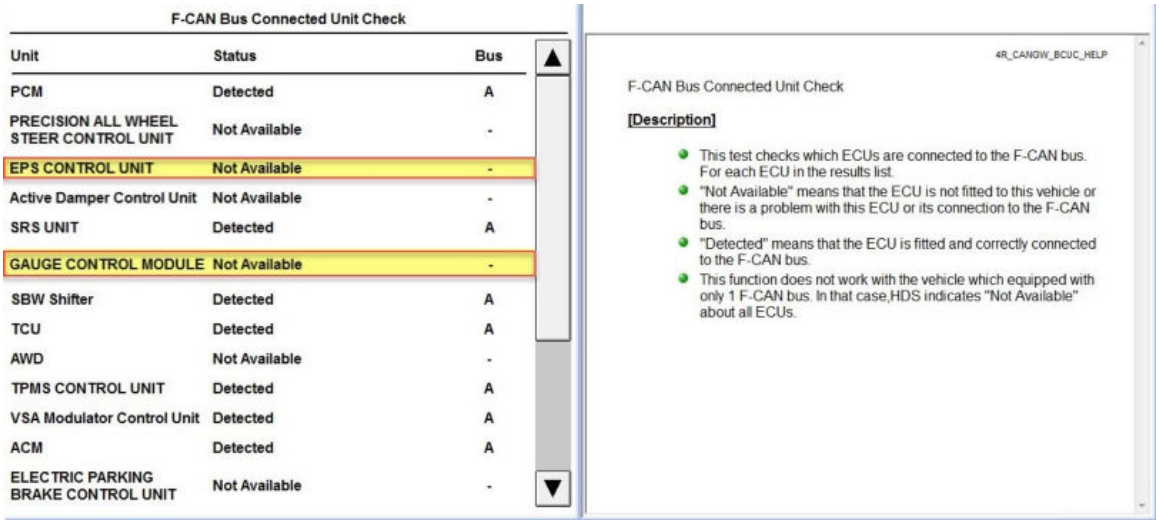
-2. According to the detected DTC on the following table, make sure that the transmitting control unit detects the CAN gateway Bus channel(s) normally.

DTC	Transmitting control unit	Detected CAN gateway Bus channel(s) at normal
U0100	PCM	A
U0122	VSA modulator-control unit	A

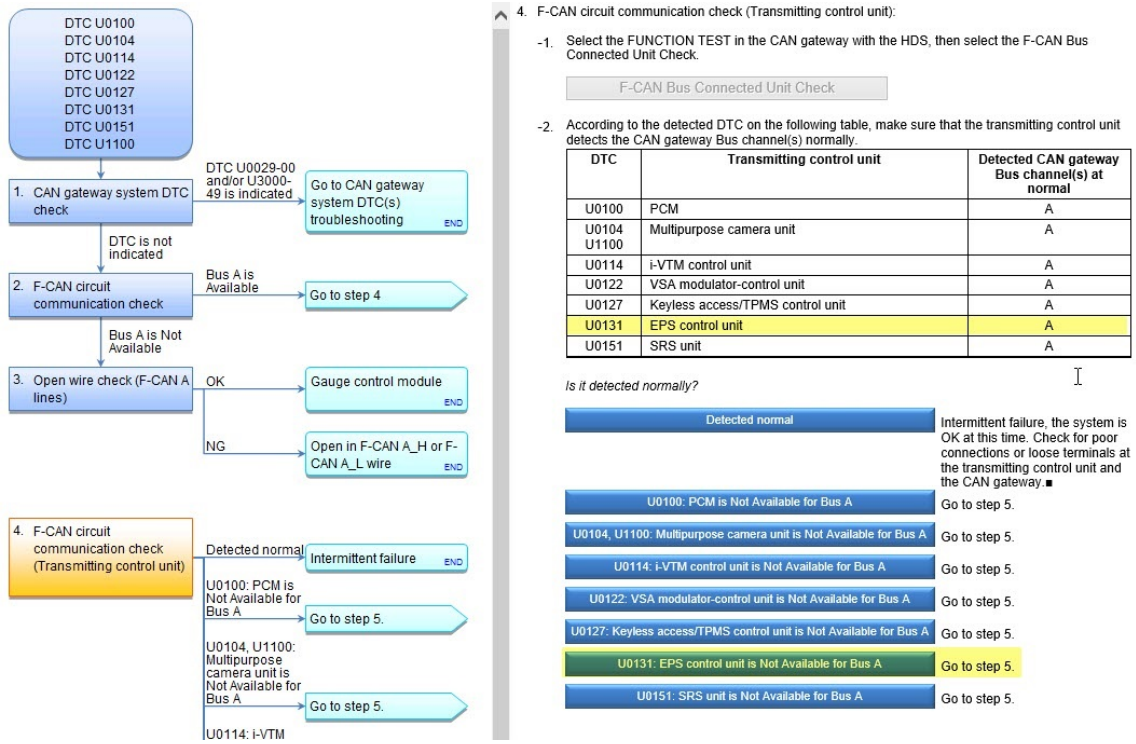
Is it detected normally?

Detected normal	Intermittent failure, the system is OK at this time. Check for poor connections or loose terminals at the transmitting control unit and the CAN gateway.■
U0100: PCM is Not Available for Bus A	Go to step 5.
U0122: VSA modulator-control unit is Not Available for Bus A	Go to step 5.

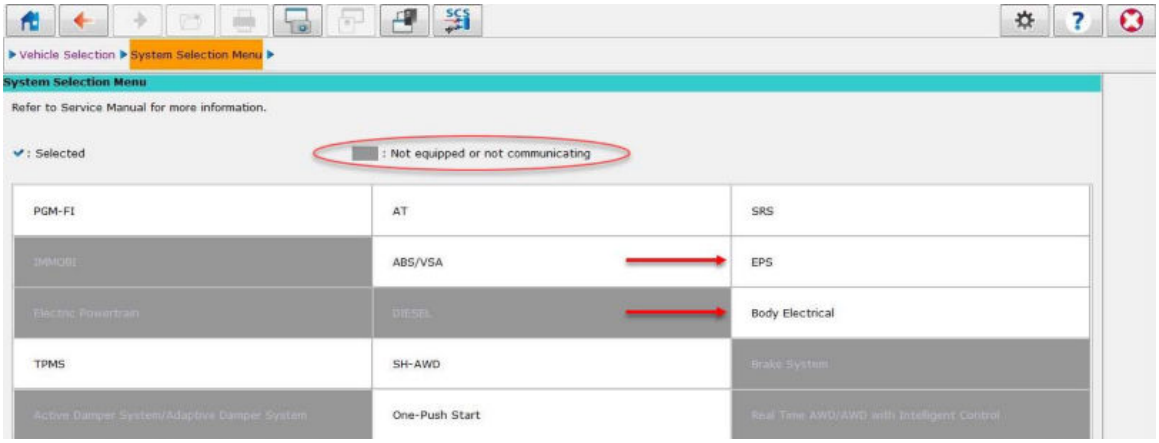
In this scenario, **EPS CONTROL UNIT** and **GAUGE CONTROL MODULE** read **Not Available** when the unit check is finished. These two units are not needed to complete PCM and VSA modulator-control unit troubleshooting, and the PCM and VSA modulator-control unit report as **Detected normal** at this time. Troubleshooting is finished at this point since there is no longer a communication failure.



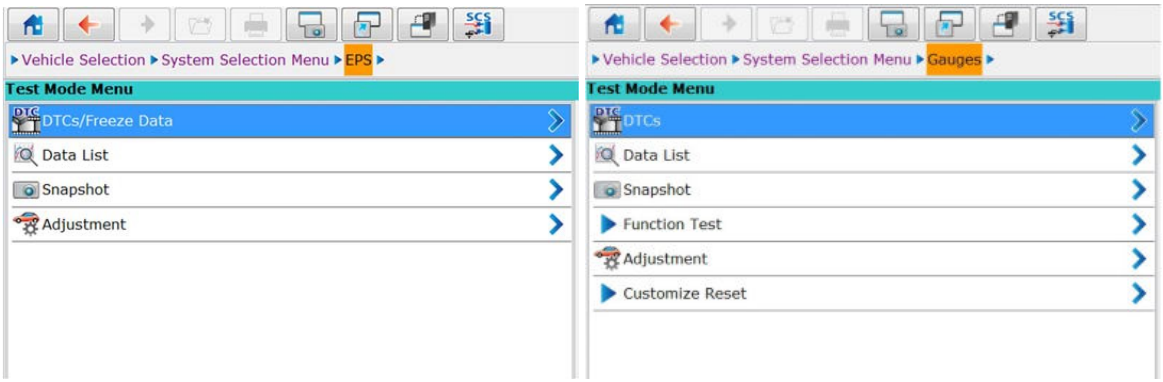
Scenario 2: U0131 Troubleshooting: The affected control units reported as **Not Available** are needed for your troubleshooting.



In this scenario, communication with a control unit that is reporting as **Not Available** can be confirmed by selecting the applicable system from the **System Selection Menu** in the i-HDS. If the system is available and communicating, it will be highlighted. In this case, **EPS** and **Body Electrical** are available. If the system is not communicating, it will be grayed out as shown.



From here you can select either system and confirm the communication.



Once confirmed, keep following the service information troubleshooting. If the system is available and communicating, select **Detected normal**. If it is grayed out or not communicating, select the applicable **Not Available** response.

END