

Yes	CHECK OASIS for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW the TSB instructions. If no Technical Service Bulletins (TSBs) address this concern, INSTALL a new FCIM. REFER to: Front Controls Interface Module (FCIM) .
No	The system is operating correctly at this time. The concern may have been caused by module connections. ADDRESS the root cause of any connector or pin issues.

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DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
U3003:17	Battery Voltage: Circuit Voltage Above Threshold	Set by the ACM, FCDIM, and FCIM when the supply voltage is more than 15.8 volts for more than 250 milliseconds during normal operation or the self-test.

Possible Sources

- ACM
- FCDIM
- FCIM

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Y1 RECHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U3003:17

Ignition ON.

Using a diagnostic scan tool, clear the Diagnostic Trouble Codes (DTCs) for the module in question.

Wait at least 10 seconds.

Using a diagnostic scan tool, perform the self-test for the module in question.

Is DTC U3003:17 present?

Yes	GO to Y2
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No	The system is operating correctly at this time. The DTC may have been set previously during battery charging or while jump starting the vehicle.
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Y2 CHECK FOR HIGH VOLTAGE DIAGNOSTIC TROUBLE CODES (DTCs) SET IN MULTIPLE MODULES

Using a diagnostic scan tool, retrieve all Continuous Memory Diagnostic Trouble Codes (CMDTCs).

Are high voltage Diagnostic Trouble Codes (DTCs) such as B1676, P0563, or U3003:17 set in more than one module?

Yes	* For vehicles with the 2.7L EcoBoost (238kW/324PS), REFER to: Charging System - 2.7L EcoBoost (238kW/324PS) . See Symptom Chart to diagnose an overvoltage condition.* For vehicles with the 3.5L Duratec (209kW/284PS), 3.5L Ecoboost (272kW/370PS), or 5.0L 32V Ti-VCT, REFER to: Charging System - 3.5L Duratec (209kW/284PS)/3.5L EcoBoost (272kW/370PS)/5.0L 32V Ti-VCT . See Symptom Chart to diagnose an overvoltage condition.
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No	GO to Y3
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Y3 CHECK THE BATTERY VOLTAGE

Turn off all interior lights, exterior lights, and accessories.

Start and run the engine at approximately 2, 000 RPM for 3 minutes while monitoring the battery voltage.

Does the battery voltage rise to 15.5 volts or higher?

Yes	* For vehicles with the 2.7L EcoBoost (238kW/324PS), REFER to: Charging System - 2.7L EcoBoost (238kW/324PS) . See Symptom Chart to diagnose an overvoltage condition.* For vehicles with the 3.5L Duratec (209kW/284PS), 3.5L Ecoboost (272kW/370PS), or 5.0L 32V Ti-VCT, REFER to: Charging System - 3.5L Duratec (209kW/284PS)/3.5L EcoBoost (272kW/370PS)/5.0L 32V Ti-VCT . See Symptom Chart to diagnose an overvoltage condition.
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No	* For the ACM, GO to Y4* For the FCIM, GO to Y5
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Y4 CHECK FOR CORRECT ACM (AUDIO FRONT CONTROL MODULE) OPERATION

Ignition OFF.

Disconnect and inspect all the ACM connectors.

Repair:

Corrosion (clean module pins or install new connectors or terminals)