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2003 FORD Galaxy OEM Service and Repair Workshop Manual

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FSA (Field Service Action) . If a service article exists for this concern, DISCONTINUE this test and FOLLOW service article instructions. If no service articles address this concern, INSTALL a new CCM (cruise control module) .

REFER to: [Cruise Control Module \(CCM\)](#)

(419-03B Cruise Control - Vehicles With: Adaptive Cruise Control, Removal and Installation).

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.

PINPOINT TEST N : U3003:17

Refer to Wiring Diagrams Cell 31 for schematic and connector information.

Normal Operation and Fault Conditions When the ignition is on, the CCM (cruise control module) receives ignition voltage from the IPMA (image processing module A) . The IPMA (image processing module A) also provides a path to ground from the CCM (cruise control module) . **DTC Fault Trigger Conditions**

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
CCM (cruise control module) U3003:17	Battery Voltage: Circuit Voltage Above Threshold	Sets as a continuous memory and on-demand DTC (diagnostic trouble code) if the CCM (cruise control module) detects high battery voltage above 16.5 volts for 100 ms.

Possible Sources

- Generator
- CCM (cruise control module)

NOTE

U3003:17 may be stored in the module memory due to past battery charging or vehicle jump starting events.

N1 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U3003:17, P0563:00 OR P0626:00 SET IN OTHER MODULES

No	The system is operating normally at this time. The DTC (diagnostic trouble code) may have been set previously during battery charging or while jump starting the vehicle.
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N4 CHECK FOR CORRECT CCM (CRUISE CONTROL MODULE) OPERATION

- Ignition OFF.
- Disconnect and inspect all CCM (cruise control module) connectors.
- Repair:
 - corrosion (install new connector or terminals - clean module pins)
 - damaged or bent pins - install new terminals/pins
 - pushed-out pins - install new pins as necessary
- Reconnect the CCM (cruise control module) connectors. Make sure they seat and latch correctly.
- Operate the system and determine if the concern is still present.

Is the concern still present?

Yes	<p>CHECK OASIS (Online Automotive Service Information System) for any applicable service articles: TSB (Technical Service Bulletin) , GSB (General Service Bulletin) , SSM (special service message) or FSA (Field Service Action) . If a service article exists for this concern, DISCONTINUE this test and FOLLOW service article instructions. If no service articles address this concern, INSTALL a new CCM (cruise control module) .</p> <p>REFER to: Cruise Control Module (CCM) (419-03B Cruise Control - Vehicles With: Adaptive Cruise Control, Removal and Installation).</p>
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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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PINPOINT TEST O : ACC (ADAPTIVE CRUISE CONTROL) BRAKING CONCERNS

Normal Operation and Fault Conditions

The ACC (adaptive cruise control) system can occasionally detect and respond to out-of path vehicles especially on curves, entry/exit ramps or when changing lanes.

Unexpected ACC (adaptive cruise control) Braking

- CHECK the CCM (cruise control module) and front bumper cover for damage.
 - RETEST the ACC (adaptive cruise control) system.

- CCM (cruise control module)

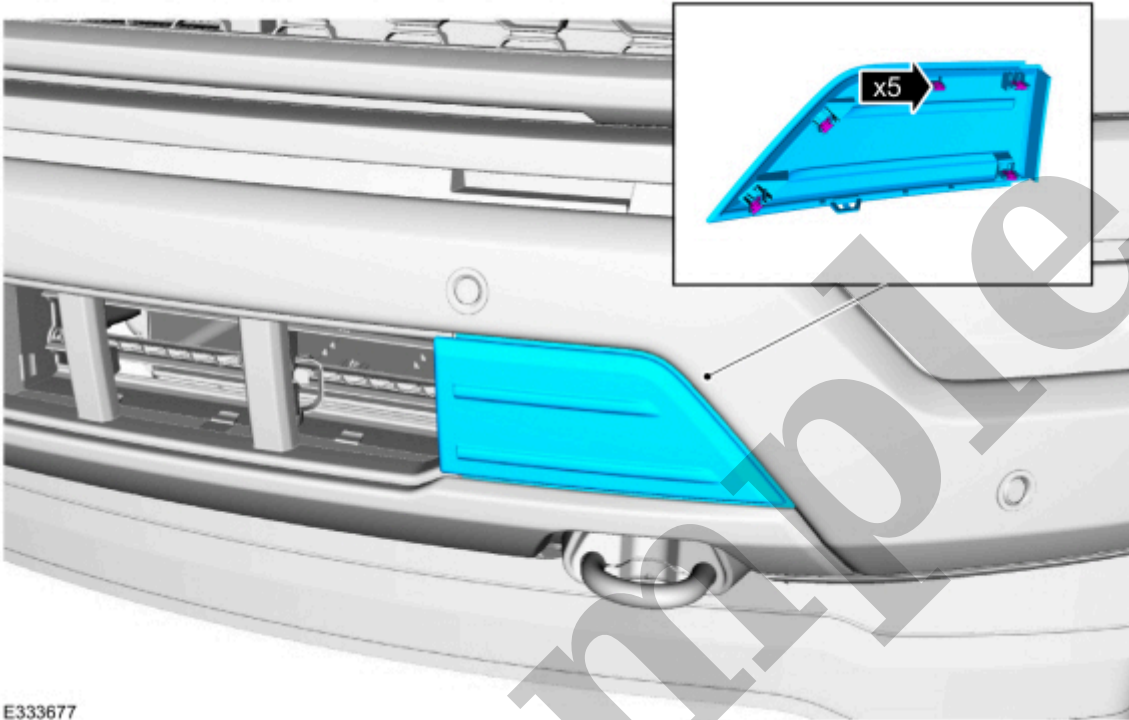
Diagnostic steps are not provided for this symptom or DTC. REFER to: Diagnostic Methods (100-00 General Information, Description and Operation).

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Sample

Verify that the CCM (cruise control module) is free of ice and snow prior to performing the cruise control radar alignment procedure.

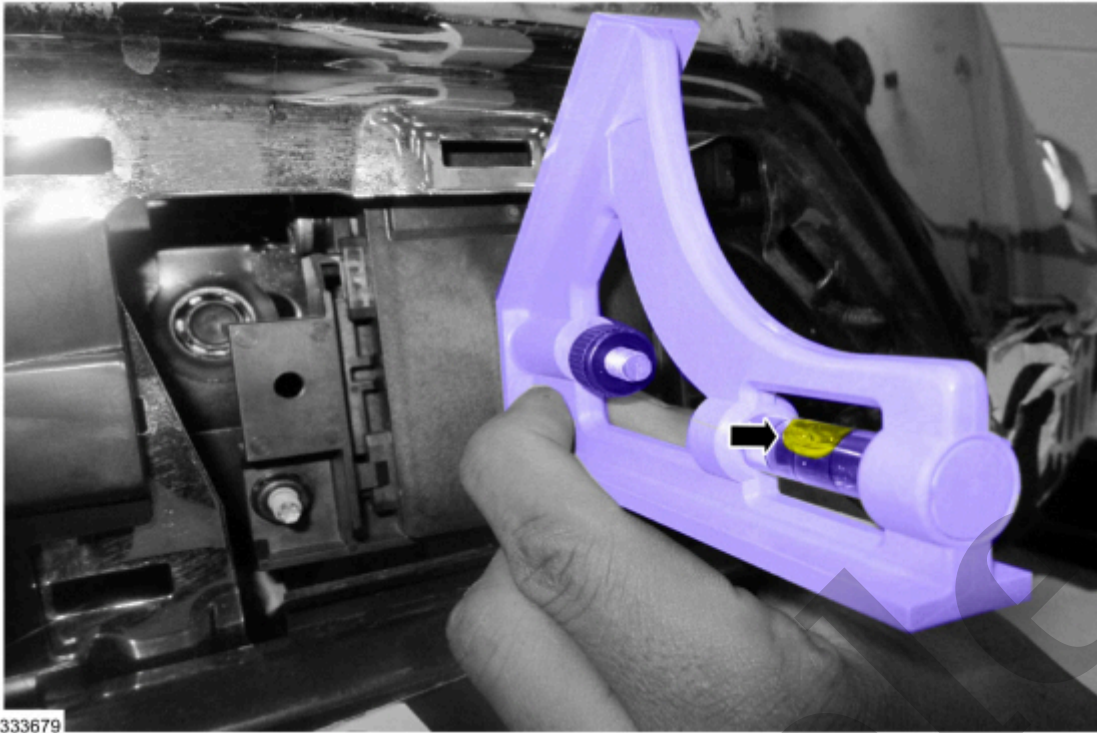
1. Place the vehicle on a wheel alignment bay station.
2. Release the clips and remove the CCM (cruise control module) front bumper trim cover.



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[Click here to learn about symbols, color coding, and icons used in this manual.](#)

3. Locate the CCM (cruise control module) alignment screw.



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

5. **NOTE**

Measurement must be taken from the non-raised side of the CCM (cruise control module).

Keeping the combination square level on the face of the CCM (cruise control module) , adjust the pitch by adjusting the screw until the CCM (cruise control module) is vertical and level.

NOTE

The horizontal alignment for the CCM (cruise control module) is a software calibration check that is performed by the scan tool to insure the CCM (cruise control module) radar is pointed straight. No manual adjustment is needed for this procedure. The scan tool calibrates the CCM (cruise control module) through the CCM (cruise control module) procedure in programmable parameters. The Alignment Offset specification is +/- 3.0 degrees of offset.

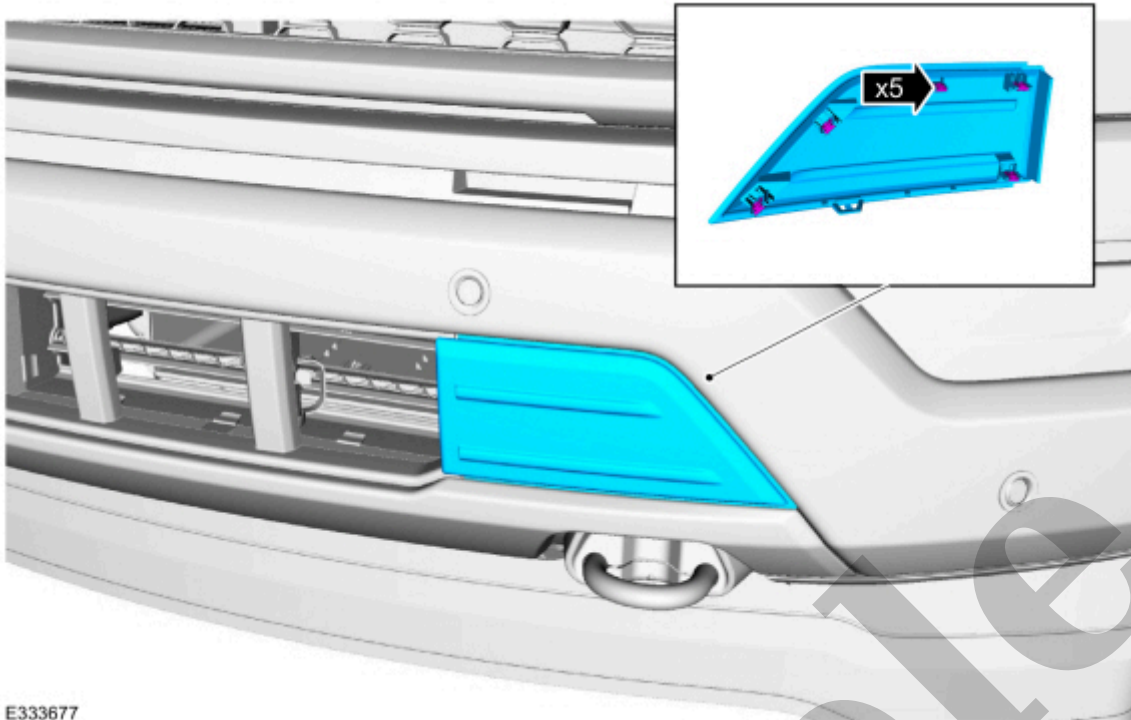
7. NOTICE

The vehicle's engine must be running during the horizontal alignment procedure. Failure to leave the engine running throughout the entire procedure results in the cancellation of the alignment procedure and the system remains non-functional.

Start the engine.

8. Follow the scan tool on-screen instructions to carry-out the CCM calibration procedure.

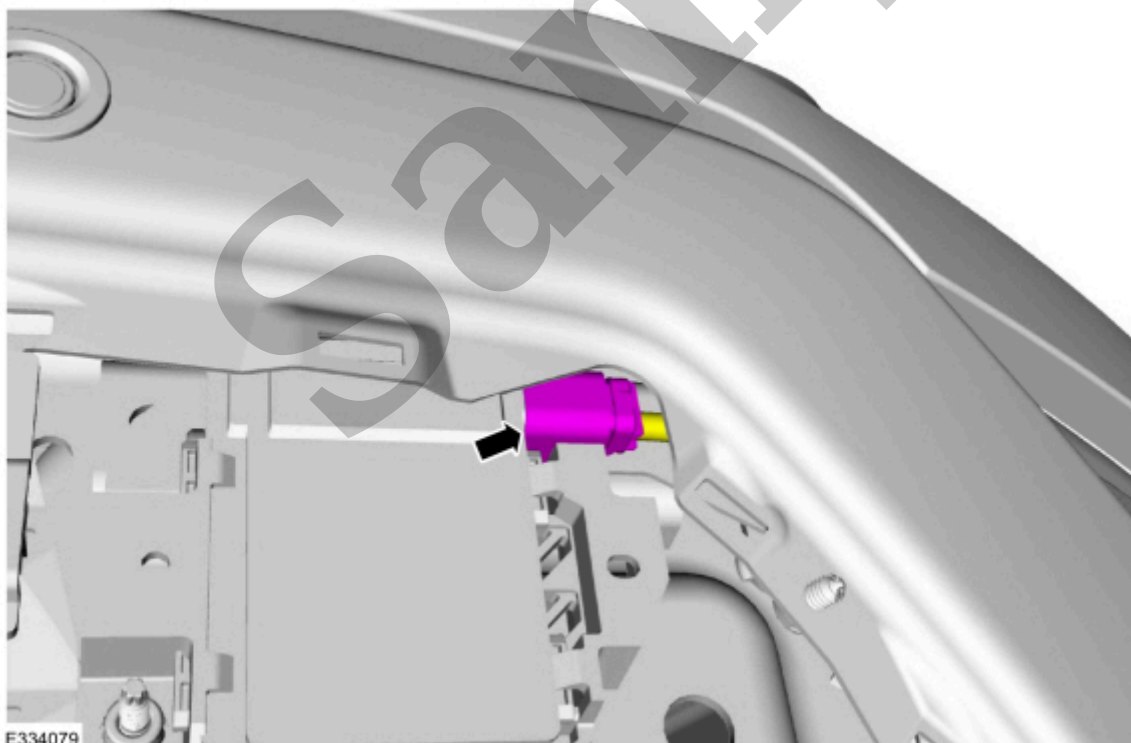
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3. Disconnect the CCM (cruise control module) electrical connector.

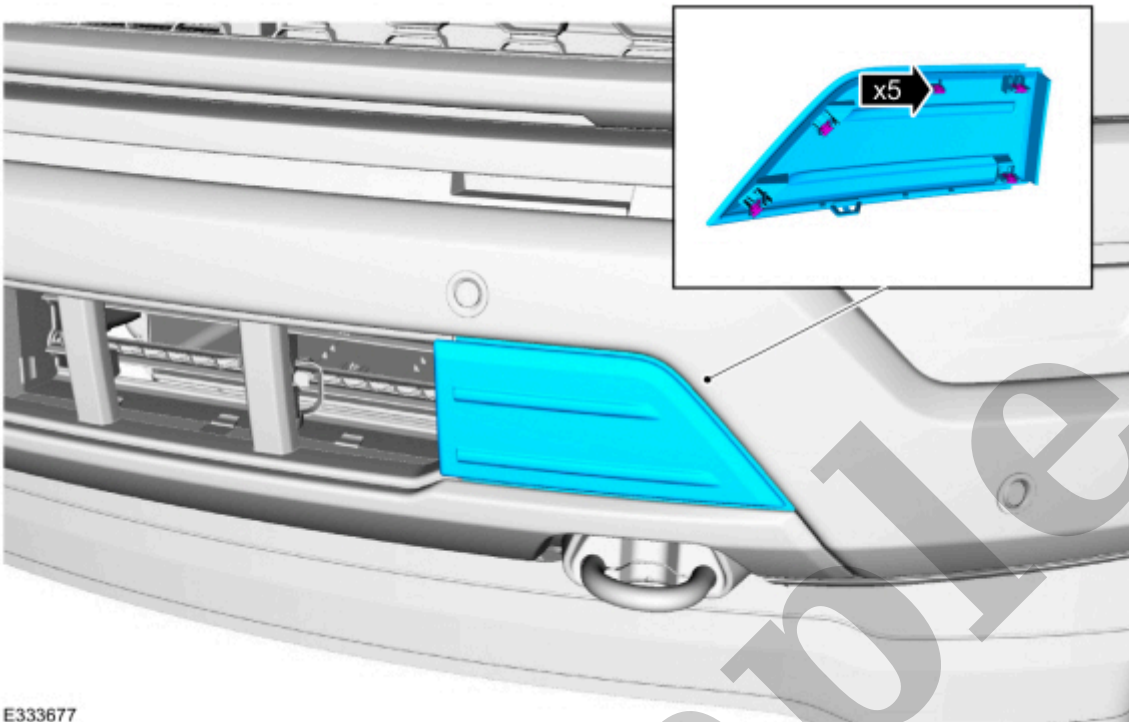


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Refer to: [Front Bumper\(501-19 Bumpers, Removal and Installation\)](#).

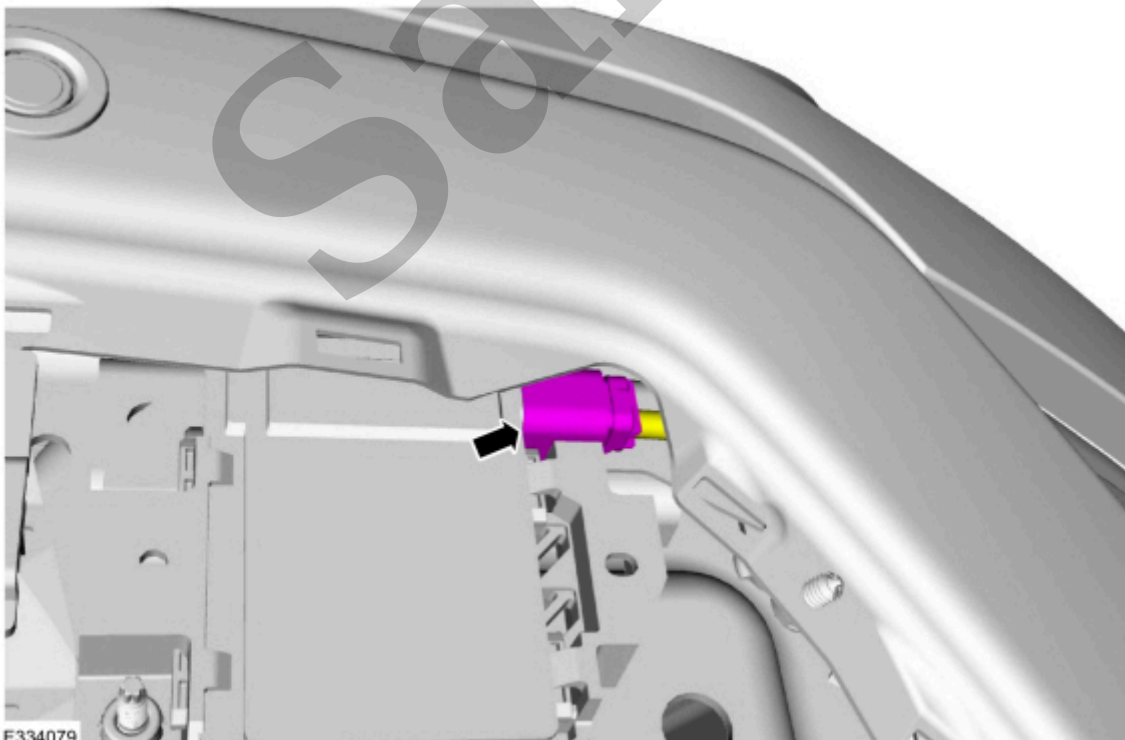
7. Release the clips and remove the CCM (cruise control module) front bumper trim cover.



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[Click here to learn about symbols, color coding, and icons used in this manual.](#)

8. Disconnect the CCM (cruise control module) electrical connector.

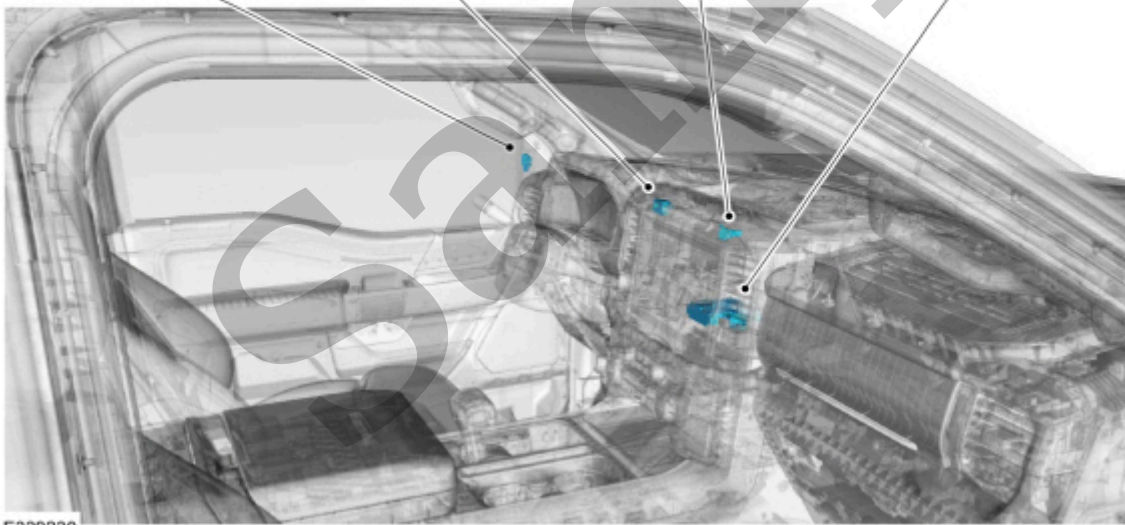
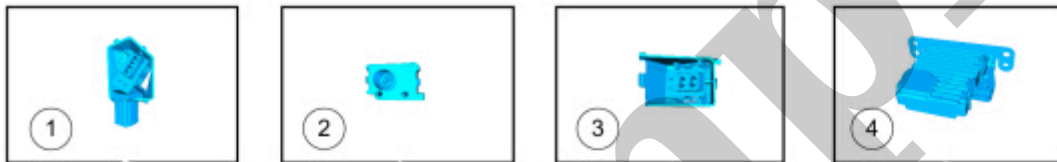


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Interior Camera System - Component Location

419-04B Interior Camera System	2022 F-150
Description and Operation	Procedure revision date: 10/9/2020

Interior Camera System - Component Location



E339230

Item	Description
1	Driver side driver status monitor LED (light emitting diode)
2	Driver status monitor camera