

Subject: Engineering Information – Service Airbag Lamp Illuminated on Driver Information Center (DIC), DTCs B15DF and/or B15E3 Set

Attention: Proceed with this EI ONLY if the customer has commented about this concern AND the PIE number is listed in the Global Warranty Management / Investigate History link (GWM/IVH). If the customer has not commented about this condition or the EI does not show in GWM/IVH, disregard the PIE and proceed with diagnostics found in published service information. THIS IS NOT A RECALL — refer to latest version of Service Bulletin 04-00-89-053 for more details on the use of Engineering Information bulletins.

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	CT4	2020	2021	—	—	—	—

Involved Region or Country	North America
Condition	<p>Important: If the customer did not bring their vehicle in for this concern, DO NOT proceed with this EI.</p> <p>Some customers may comment that the service airbag lamp is illuminated on the driver information center (DIC). Technicians may find one or both of the following DTCs set:</p> <ul style="list-style-type: none"> • B15DF: Co-Driver Thorax Module High Control • B15E3: Driver Thorax Module High Control
Cause	GM Engineering is attempting to determine the root cause of the above condition. Engineering has a need to gather information on vehicles PRIOR to repair that may exhibit this condition. As a result, this information will be used to "root cause" the customer's concern and develop/validate a field fix.

Correction

If you encounter a vehicle with the above concern, perform the following steps and contact the engineer listed below with your findings.

1. Verify that the vehicle has DTCs B15DF and/or B15E3 active or in history.
2. Connect the MDI tool and monitor resistance loop for the seats (loop 12 for driver side DTC B15E3, loop 11 for passenger side B15DF).

Note: Watch for resistance spikes up and down and monitor the resistance through all proceeding steps (normal resistance is ~2.5 ohms).

 - 2.1. If no spikes are present, sit in the seat and move around (press into seat back and bolster) while monitoring resistance for jumps.
3. Move the seat all the way rearward and all the way up while monitoring for any changes in resistance.
4. Disconnect the seat harness from body harness, resistance should spike as there is an open circuit.
5. Reconnect the seat harness to the body harness.

Note: If resistance is bouncing, call the engineer listed **BEFORE** proceeding.
6. With the MDI tool still plugged in and actively monitoring the resistance for given loop, unzip the seat trim and reveal the seat airbag/wire harness connection without disturbing as little as possible.
7. Take a picture of the connection without disturbing the area and visually verify that the connector is properly and fully connected.
8. Tap on the harness while monitoring the resistance for spikes.
 - 8.1. If spikes occur, pause, and tap again. If spikes replicate, move to step 8.2. below. Otherwise move to step 9.
 - 8.2. Cut the harness as close to the seat back as possible.
 - 8.3. Attach the ohm meter to the connector side of the harness and take the reading as you tap on the harness. If spiking occurs, remove the airbag **WITHOUT** disconnecting/disturbing the connector and send the airbag with connector to the WPC.
9. Tap on the connector while monitoring the resistance for spikes.
 - 9.1. If spikes occur, pause, and tap again. If spikes replicate, move to step 9.2. below. Otherwise move to step 10.
 - 9.2. Cut the harness as close to the seat back as possible.
 - 9.3. Remove the airbag **WITHOUT** disconnecting/disturbing the connector and send the airbag with connector to the WPC.
10. Disconnect and reconnect the airbag connector. If resistance spikes, return to step 8.
11. Clear DTC codes.

Contact Information

The Contact Information has been redacted.

Please include the following information if leaving a message:

- Technician name
- Dealer name and phone number
- Complete VIN and repair order (R.O) number

On the repair order, document the date and time the call was placed (even if the engineer was not reached).

If engineering is unable to return the call within one hour, proceed with diagnosis and repair based on information found in SI.

Warranty Information

If engineer was contacted or required information was provided, use:

Labor Operation	Description	Labor Time
6486078*	Engineering Information - Service Airbag Lamp Illuminated On (DIC), Multiple DTCs Set	1.0 hr

*This is a unique labor operation for bulletin use only.

Version	1
Modified	Released December 14, 2020