



Service Bulletin

Bulletin No.: 21-NA-005


Date: December, 2021

TECHNICAL

Subject: Airbag Malfunction Warning and Airbag Malfunction Indicator Illuminated with DTC B0001-1B or B0012-0D

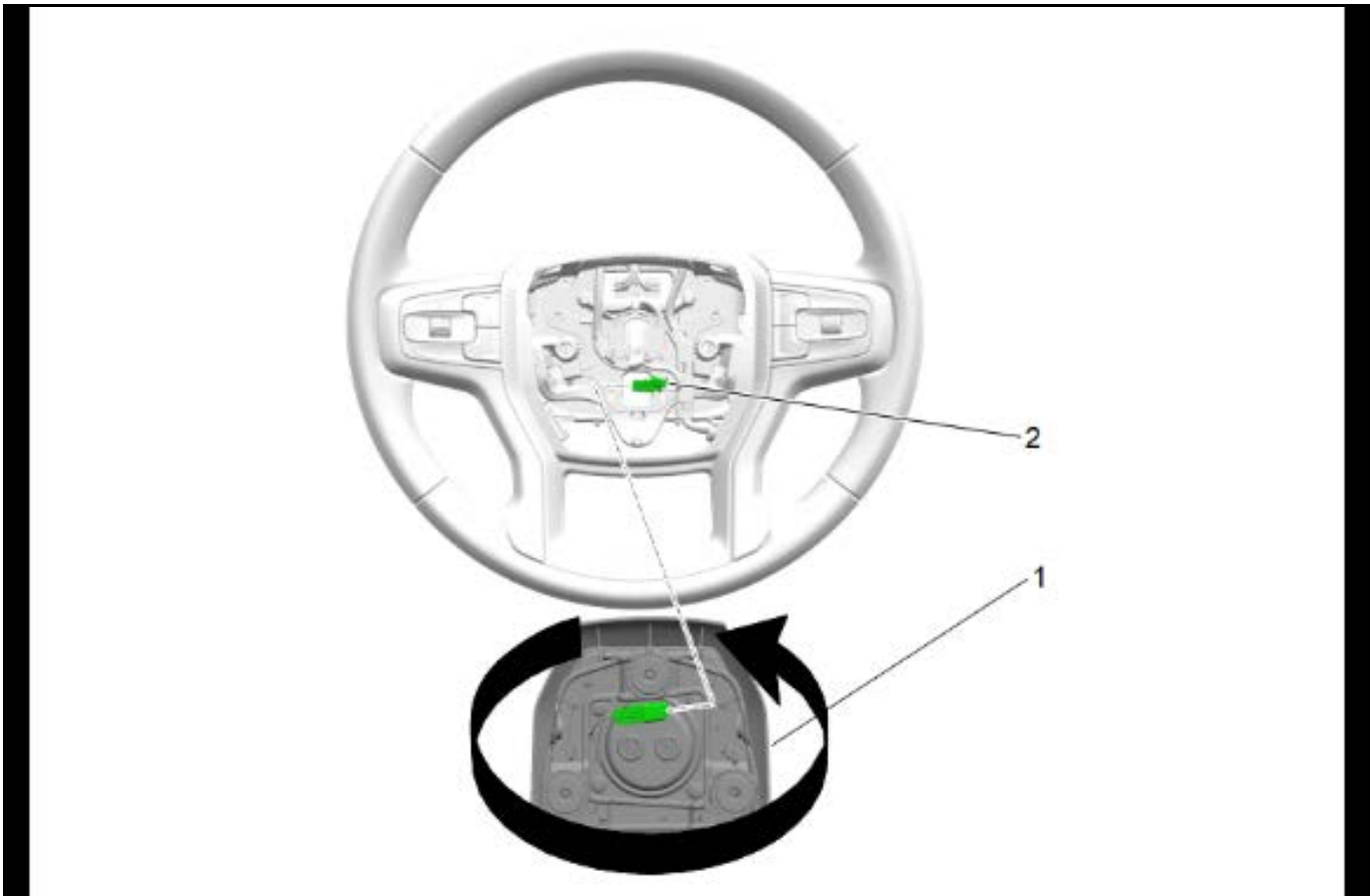
Brand:	Model:	Model Year:		Breakpoint:		Engine:	Transmission:
		from	to	from	to		
Cadillac	Escalade Models	2020	2021	SOP	June 30, 2021	All	All
Chevrolet	Blazer		2022		—		
	Silverado 1500		2021		November 1, 2021		
	Silverado 2500HD/3500HD				November 1, 2021		
	Suburban				June 30, 2021		
	Tahoe				June 30, 2021		
GMC	Acadia		2022		—		
	Sierra 1500		2021		November 1, 2021		
	Sierra 2500HD/3500HD				November 1, 2021		
	Yukon Models				June 30, 2021		

Involved Region or Country	United States, Canada, Mexico, Middle East, Israel, Australia, New Zealand, Thailand, S. Korea, Japan, Palestine, Russia, Uzbekistan, Chile, Columbia, Ecuador, Paraguay, Peru and Uruguay.
Condition	Some customers may comment on "Service Safety Restraint Message" coming on the DIC and airbag malfunction indicator illuminated. During diagnosis, a technician may find DTC B0001-1B or B0002-1B for , B0012-0D or B0013-0D for depends on the vehicle model.

Cause	 <p data-bbox="1419 739 1484 758">5704083</p> <p data-bbox="540 768 1419 821">Cause of condition may be rust particles, or other contaminants trapped within connection terminal interface causing excessive resistance seen in the airbag loops.</p>
Correction	<p data-bbox="540 833 1435 886">In order to correct the condition, the following steps must be followed to ensure proper root cause:</p>

Service Procedure

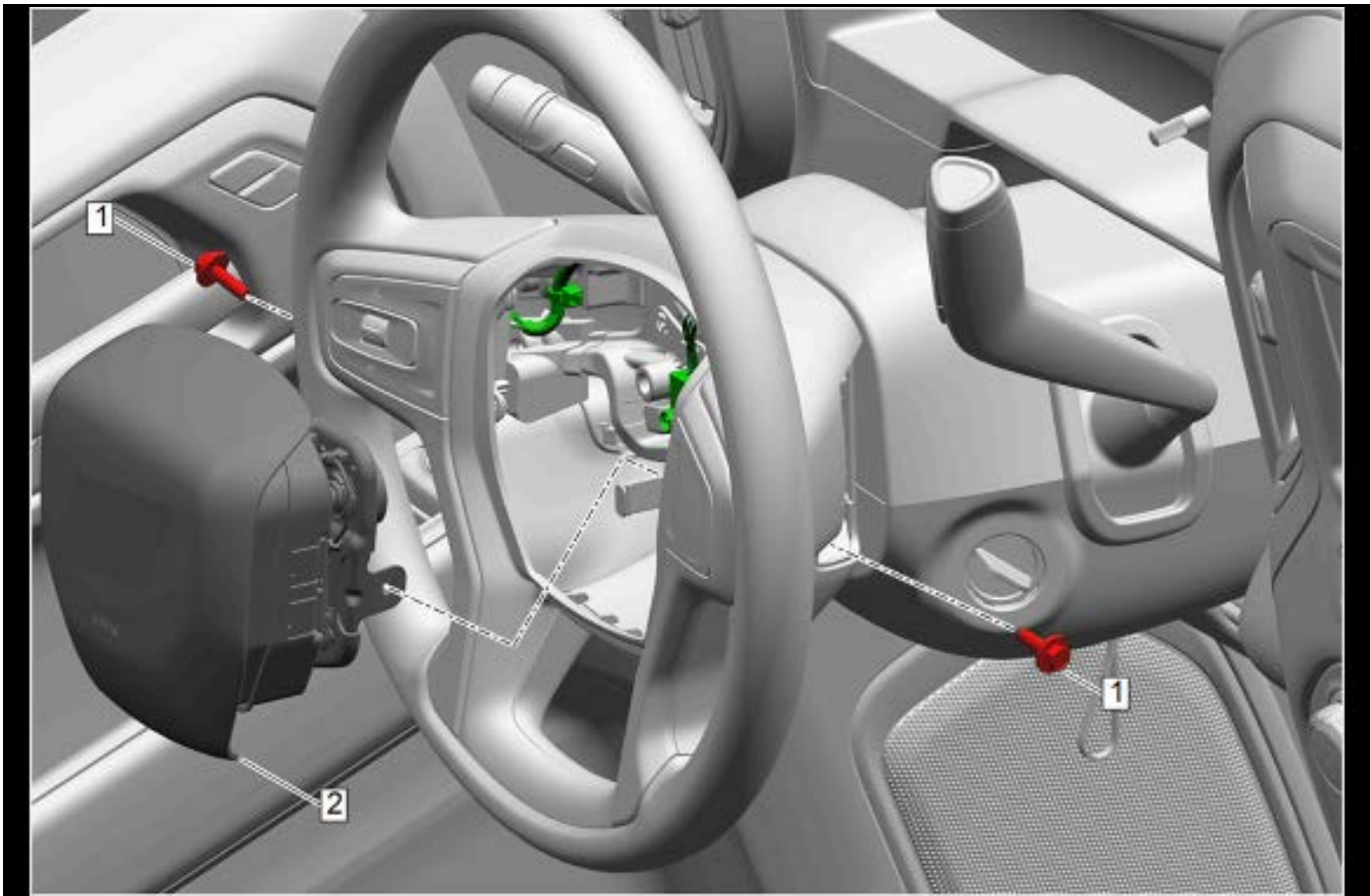
1. Connect resistance monitoring device to check stage 1 and stage 2 airbag circuit resistances.
2. Move the airbag cover both up and down, as well as left to right, to confirm if resistance spikes are observed.
 - If resistance spikes are seen.
 - Replace the steering wheel airbag and steering wheel harness. Refer to *Steering Wheel Airbag Replacement* in SI.



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Caution: Rotate the steering wheel airbag (1) counter clockwise, 180 degrees, so that the bottom of the steering wheel airbag (1) points toward the steering wheel.

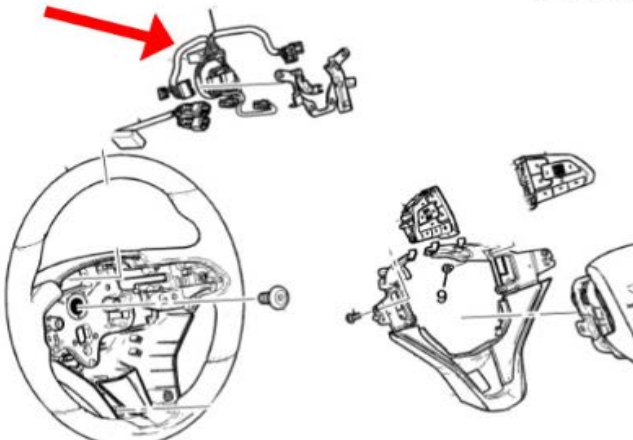
- If resistance spikes are not seen (resistance is stable).
 - Move to Step 3.
- 3. Rotate steering wheel from lock to lock position to confirm if resistance spikes are observed.
 - **A)** — First time around, if resistance spikes occur, Pull airbag out and ensure all connections are fully seated and CPA is engaged. (i.e. Airbag connectors and yellow clock-spring connector)
 - If all connections are fully seated, proceed to next steps.
 - If all connectors are not fully seated, reseal connectors and repeat beginning of step 3 and skip 3A.
 - **B)** — Disconnect and reconnect the airbag, then repeat lock to lock steering wheel rotation test.
- If resistance spikes go away (resistance is stable), replace airbag and steering wheel harness.
- If resistance spikes Do NOT go away, continue to step 4.
- 4. Isolate clock-spring with steering wheel still attached and measure stage 1 and stage 2 airbag circuits.
 - If resistance spikes are seen, replace clock spring.
 - If resistance spikes are NOT seen, replace airbag and steering wheel harness.



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Parts Information

Use the VIN and refer to the GM Electronic Parts Catalog (EPC) to determine the proper part number to order.

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
7486008*	Steering Wheel Airbag and Harness Replacement	0.8 hr
*This is a unique Labor Operation for Bulletin use only.		

Version	3
Modified	Released March 18, 2021 Revised August 13, 2021 — Update Breakpoints and diagnosis procedure and Regions. Revised December 13, 2021 – Added 2020 – 2021 Blazer and Acadia.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, **DO NOT** assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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