



Service Bulletin

Bulletin No.: 24-NA-133

Date: May, 2025

INFORMATION

Subject: Wheel Drive Shaft Retention Snap Ring Design Change

Brand:	Model:	Model Year:		Vehicle Build Date:		Engine:	Transmission:
		from	to	from	to		
GMC	HUMMER EV Pickup	2024	2025	April 17, 2024	EOP	All	S80 P8L P80 P79
	HUMMER EV SUV	2024	2025	April 17, 2024	EOP	All	S80 P8L P80 P79

Involved Region or Country	North America
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Information

Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.

Important: This technical service bulletin (TSB) can only be completed by certified repair facilities who have met all specific training, tool and equipment requirements pertaining to the vehicle Brand and Model serviced. Repairs must be performed by a technician who has successfully completed the required training.

Note: For fluid leaks, reference Bulletin 25-NA-108.

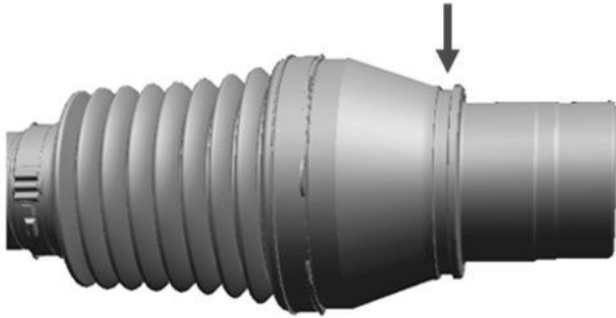
The round ring and 3-Point rings are not interchangeable with either the wheel drive shaft and/or the drive unit. Do Not mix snap rings between wheel drive shafts and drive units.

The above vehicles starting using a newly designed 3-point snap ring that retains the wheel drive shaft to the drive unit output shaft.

The design change occurred to achieve greater retention forces between the wheel drive shaft and the drive unit output stub shaft.

On vehicles equipped with ball-spline wheel drive shaft, the presence of a service groove (as shown below) on the inboard housing means the drive unit is equipped with the 2nd design 3-Point snap ring.

Service Groove (New Design)



6690539



6719216

Vehicles with a conventional CV joint style half shaft could also utilize the 2nd design 3-point snap ring. These shafts do not require a service groove nor any special tools for removal or installation. It's important to remove the snap ring and inspect the shape of the ring to determine if it's a 1st design round ring or a 2nd design 3-Point ring.

With the wheel drive shaft removed, the round style snap ring will fit loosely in the drive unit shaft groove. The 3-point style snap ring will fit very tightly in the drive unit shaft groove.

When servicing the vehicle, if the wheel drive shaft is removed or replaced, care must be taken to determine which snap ring is present. The round (silver) snap ring is considered the first design (Des 1), and the 3-point (black) oval snap ring is considered the second design (Des 2). Refer to the Electronic Parts Catalog for Design 1 and Design 2 designations.

Important: The snap ring MUST ALWAYS BE REPLACED when removing or replacing the wheel drive shaft.

With the snap ring removed, lay the snap ring on a flat surface, and look at the shape of the snap ring.

Round Ring First Design: PN 24048716



6690540

3 Point Oval Ring Second Design: PN 24052327



6690541

Additionally, shafts equipped with the service groove require the use of special tool CH-53441 - Half Shaft Slide Hammer Installer Adapter and VJ-6125-1B Slide Hammer. Refer to Service Information for removal and installation instructions.

Version	3
Modified	Released July 18, 2024 Revised August 15, 2024 – Updated Information, Added 2025 Model Year and GMC Sierra EV. Revised May 13, 2025 – Removed all vehicles except HUMMER EV Models and added Note.

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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