



Service Bulletin

Bulletin No.: 22-NA-213

Date: May, 2023

TECHNICAL

Subject: Wobble and/or Vibration on Hard Acceleration

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	Envision	2017	2020			LCV	MHG

Involved Region or Country	North America
Additional Options (RPOs)	F46: CHASSIS DRIVE LINE-ALL WHEEL DRIVE (AWD)/FOUR WHEEL DRIVE(4WD)
Condition	Some customers may comment that a Wobble and/or Vibration occurs on hard acceleration (WOT) around 30 to 70 mph (48 to 112 km/h).
Cause	This condition may be caused by a driveline vibration.
Correction	<p>If able to duplicate the concern, record the event using the Pico Scope with the CH-51450-TA246 Triple Axis Sensor:</p> <ul style="list-style-type: none"> If the Pico reading at the above mentioned speeds is T1 lateral above 40 mg or above 30 mg with 10 mg of T3 lateral, replace BOTH the left and right front axles and axle nuts at the same time. If these new, updated P/N's have already been installed and the condition is still present, refer to SI and/or contact TAC.

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.

Service Procedure

Note: Axle nuts are one time use and must be replaced.

Refer to *Front Wheel Drive Shaft Replacement - Right Side in SI* and *Front Wheel Drive Shaft Replacement - Left Side in SI*.

Parts Information

Note: Only select the parts that coincide with the repair performed. Replace both Front Drive Axles with the P/Ns in this bulletin only, according to the vehicle build RPOs.

Causal Part	Description	Part Number	Qty
X	SHAFT, FRT WHL DRV HALF (2019-20 Right side with LCV / MHG / F46)	85558608	1
	SHAFT, FRT WHL DRV HALF (2019-20 LEFT side with LCV / MHG / F46)	85558609	1
	SHAFT, FRT WHL DRV HALF (2017-18 RIGHT side with LCV / MHG / F46)	85558610	1
	SHAFT, FRT WHL DRV HALF (2017-18 LEFT side with LCV / MHG / F46)	85558611	1
N/A	NUT, FRT WHL DRV SHF	11612295	2
N/A	RING-FRT WHL DRV SHF RET (AWD only)	Refer to EPC	1
N/A	SEAL,PWR TRFER U HALF SHF (O-RING)(AWD only)		1

Warranty Information

For vehicles repaired under the Powertrain coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
3088008*	Front Wheel Drive Half Shaft Replacement Both Sides	1.4 hr
*This is a unique Labor Operation for Bulletin use only.		

Version	2
Modified	Released February 24, 2023 Revised May 10, 2023 - Change the RPO MGH to MHG in the Parts Information Section.

