



Service Bulletin

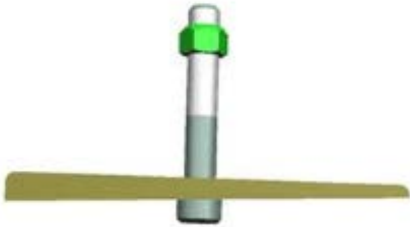
Bulletin No.: 18-NA-356

Date: October, 2019

TECHNICAL

Subject: Vibration and/or Noise Heard During Hard Acceleration at Speeds of 77 km/h (48 mph) to 83 km/h (52 mph)

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Colorado	2015	2020			3.6L Engine (RPO LGZ)	8L45 Automatic Transmission (RPO M5T)
GMC	Canyon						

Involved Region or Country	North America and NA Export vehicles
Condition	Some customers may comment on a vibration and/or noise heard during hard acceleration at speeds of 77 km/h (48 mph) to 83 km/h (52 mph).
Cause	This condition may be caused when the driveline angles get extreme during axle wind up resulting in 2nd order vibration.
Correction	<div style="text-align: center;">  </div> <p style="text-align: right; font-size: small;">5181550</p> <p>Install a tapered shim between the axle and leaf spring to adjust the angle following the procedure below.</p>

Service Procedure

Note: Before performing the Service Procedure check the following:

- Vehicle trim heights are within specification guidelines.
 - The vehicle exhibits no signs of aftermarket modifications that may affect driveline working angles
 - The vehicle exhibits no signs of accident damage which may affect the position of the drive axle, or axles, the propeller shaft support bearing, if equipped, or the transmission or transfer case, if equipped.
1. Inspect the leaf springs, mount bushings, and mounting hardware for excessive wear and/or damage.
 2. Inspect the structure to which the suspension attaches to ensure no deformities and/or damage exists.
 3. Inspect the propeller shaft u-joints for damage and/or excessive wear.
 4. Inspect the transmission mount for damage and excessive wear, and/or deformities.
 5. Raise the vehicle. Refer to Lifting and Jacking the Vehicle in SI.
 6. Using a hydraulic jack stand, support the rear axle.



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7. Put a C-clamp on each end of the leaf spring and tighten so that tension is applied
8. Remove the lower shock absorber nut. Refer to Shock Absorber Replacement in SI.
9. Remove the rear spring anchor plate. Refer to Rear Spring Anchor Plate Replacement in SI.



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10. Lower the hydraulic jack stand just enough to be able to slide the two degree shim under the spring and the bolt up through the hole of the spring.

Important: The thicker side of the shim goes toward the front of the vehicle to effectively bring the pinion nose down.

If the shudder is improved, test for brake induced by shudder by applying moderate to firm braking at 72 km/h (45 mph) noting if any vibration occurs around 45-48 km/h (28-30 mph).

11. Remove the center bolt from the leaf spring pack.
12. Install the tapered shim and the supplied bolt up through the hole of the spring.

Tighten

Torque the nut to 100 N.m (74 lb ft) +130°

13. Install the rear spring anchor plate. Refer to Rear Spring Anchor Plate Replacement in SI.

Note: If no objectionable vibration is noticed, work is complete.

Note: If brake induced shudder is noted and found to be objectionable then it will be necessary to remove the two degree shim and install the one degree shim.

Parts Information

Causal Part	Description	Part Number	Qty
N/A*	SHIM KIT,RR AUX (one degree)	84375734	2
	SHIM KIT,RR AUX (two degree)	84131558	2

*For warranty transactions, DO NOT mark this/these parts as the Causal Part. Enter the word "Bulletin" in the Causal Part Description free-flow text field.

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
8080448*	Adding Left and Right Rear Leaf Spring Shims	0.8 hr.
Add	Remove the Two Degree Shim and Install the One Degree Shim	0.4 hr.

*This is a unique Labor Operation for Bulletin use only.

Version	3
Modified	Released November 30, 2018 Revised December 19, 2018 – Updated the Parts Information. Revised October 22, 2019 – Added 2019, 2020 Model Years and increased quantity in Parts Information.

