



Service Bulletin

Bulletin No.: 21-NA-038

Date: April, 2022

TECHNICAL

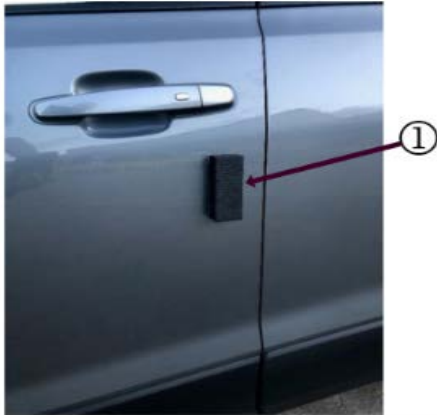
Subject: Humming Noise Heard Coming from Front End of Vehicle When Driving at Highway Speeds

This bulletin replaces PIT5814. Please discard PIT5814.

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Blazer	2020	2022	SOP	3GNKBFRS5NS172574	LSY	All

Involved Region or Country	North America
Additional Options (RPOs)	
Condition	<p>Note: Condition may be mistaken for a TCC shudder or a mis-diagnosis could include coasting through in neutral with engine off (under safe conditions).</p> <p>Some customers may comment on hearing a vibration or humming type noise coming from the front end of the vehicle when they are driving at speeds of 80 KPH (50 MPH) or higher. This noise could be mistaken for a transmission related noise or wheel bearing noise.</p>
Cause	<p>The cause of the condition may be that, when driving at highway speeds, the aero shutters are closed. Under this condition, air flow traveling through the front fascia grille opening hits the closed shutter panels, starts to build up within this area behind grille opening and becomes turbulent.</p> <p>This buildup of air turbulence causes the Energy Absorber Foam to start vibrating, moving up/down. This vibrating Energy Absorber Foam can make intermittent contact with the lower grille close-out panel and cause the lower close-out panel to flutter. When the lower close-out panel flutters, it vibrates against the fascia that is secured to. This vibration creates the humming noise that can be heard from within the passenger compartment when vehicle is driven under above mentioned conditions. In some cases, the driver may also feel this vibration through the shift knob or steering wheel.</p>
Correction	After verifying the condition, install a foam block between the back vertical wall of grille lower close-out panel and the body center fascia support bracket, following the steps in the service Procedure below.

Service Procedure



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Note: The foam block used for this repair will be cut from an existing GM left side door foam protector block (1) that arrives on every new vehicle delivery. The foam block is removed from the vehicle during PDI and should be retained for use in this repair procedure. The original foam block is large enough to complete approximately 4 repairs.



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Note: The location of the foam block is designated by the arrow and the dashed box in the graphic above.

1. The foam piece is approximately 25 mm (1 inch) thick and should be trimmed to a height (1) of 25 mm (1 inch), and already has a width (2) of 35 mm (1.4 inches).



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Note: It is NOT necessary to remove the front fascia, in order to install the foam block.

2. Reaching through the grille opening on the vehicle, access the grille close-out panel rear vertical wall and the center fascia support bracket.

2.1. Reach one hand through the front grille opening to pull back on close-out panel rear vertical wall.



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Note: In the graphic above, the foam block is purposely exposed to show the location where to insert it between panel and body fascia support bracket.

2.2. With the other hand (or a tool such as 90-degree needle nose pliers, to help assist) insert the foam block between the close-out panel rear vertical wall and the center fascia support bracket.



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2.3. This foam block will create a pre-load to the grille close-out panel and prevent it from vibrating/fluttering.

3. Road test the vehicle to ensure the condition has been corrected.

Parts Information

As noted above, the foam block should be retained after removal from a vehicle during PDI.

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
1086318*	Trim and Install Foam Block Between Grille Lower Close-out Panel and the Center Fascia Support Bracket	0.5 hr

*This is a unique Labor Operation for Bulletin use only. Labor time has been included in the labor operation code to procure the foam block from a new vehicle during the PDI process.

Additional SI Keywords

Vibration, shudder.

Version	2
Modified	Released February 17, 2021 Revised March 29, 2022 – Added Note to Correction, SI Key Words, 2022 Model Year and VIN Break point.

