



Service Bulletin


Bulletin No.: 22-NA-166

Date: September, 2022

TECHNICAL

Subject: Waterleak into Interior of Vehicle

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Equinox	2018	2023				
GMC	Terrain						

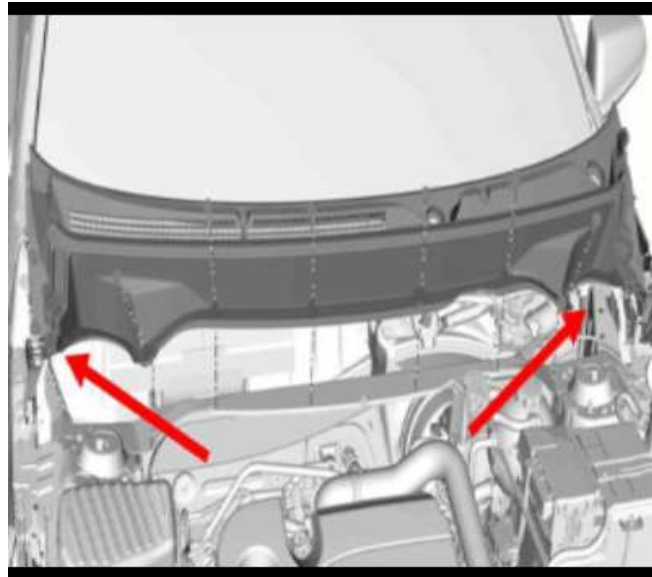
Involved Region or Country	United States, Canada, Mexico, Middle East, Israel, Palestine, Argentina (Mercosur), Brazil (Mercosur), Chile (West), Colombia (West), Ecuador (West), Paraguay (West), Peru (West), Uruguay (West), Egypt, Other Africa
Additional Options (RPOs)	
Condition	Some customers may comment on seeing water leak into the interior, wet carpet or hearing water sloshing. This condition could occur at either the front and/or rear, and on the right and/or left side. Water could also collect in the spare tire well if there are any leaks in the rear of the vehicle.
Cause	<p>The cause of the condition may be any of the following:</p> 

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- "Pin hole" voids in the roof panel to outer ring laser braze and seam sealer. The pin holes are most commonly found near the top of the windshield or the top of the liftgate near the D-pillars.



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- Seam leak or "Pin hole" voids at the front cowl area.
- Disconnected sunroof drain hoses at the front cowl or at rear locations.
- Missing or misapplied body seam sealer along any of the body seams.

Correction

First, refer to Waterleak Test Preparation in SI to locate the leak area. Then follow the steps and suggestions in the Service Procedure below.

Service Procedure

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.

1. Depending on if leaks are found at the front, or rear, of the vehicle, check the following areas:



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Note: The pin holes/cracks may be more difficult to see on darker color finishes.

- Visually inspect the front and rear, right and left roof laser braze corners, for pin holes or a crack.
- Also inspect for missing or poorly applied seam sealer at the right and/or left cowl, under the air inlet screen. Refer to *Air Inlet Grille Panel Replacement*, in SI, as necessary.
- If equipped with a sunroof, make sure the 4 sunroof drains are properly installed, and not plugged. Refer to *Sunroof Drain Inspection and Cleaning*, in SI.



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- Check for Sunroof Grommet / Close-out plug missing or not fully seated.
- Check for Paint shop sealer interfering with sunroof grommet / close out plug interfering with fit to A-pillar.
- Locate any seams that do not have sealer properly applied

2. Seal any of the suspected leak areas following the recommendations below:
 - Cowl and other less visible body seams can be sealed with Kent® Brushable Seam Sealer*, Kent® High-Tech Seam Sealer Clear* P10200, or Wurth Euroseal Gel Clear* 18920104, or equivalent.
 - Seal the pin holes/crack in any laser braze area following the steps below:
 - 2.1. Mix a small amount of Kent® High-Tech Seam Sealer Clear* P10200, or Wurth Euroseal Gel Clear* 18920104, or equivalent WITH the proper touch-up paint color.
 - 2.2. Avoiding excess sealer build up within the ditch, work a small amount of the sealer into the hole with a gloved finger.
 - 2.3. Wipe away any excess sealer with a light amount of solvent on a rag or paper towel. The solvent will help the sealer flow into the hole/crack.
3. Clean and dry any wet trim. Refer to *Floor Carpet Drying*, in SI.

* We believe this source and their products to be reliable. There may be additional manufacturers of such products/materials. General Motors does not endorse, indicate any preference for, or assume any responsibility for the products or material from this firm or for any such items that may be available from other sources.

Parts Information

Causal Part	Description	Part Number	Qty
N/A	Kent Automotive High-Tech™ Clear Seam Sealer	P10200	\$2.30 US \$3.45 Canada
	Wurth Euroseal Gel Clear (5 oz/ 148 ml)	18920104 (892.0104 in Canada)	
	Kent Automotive Brushable Seam Sealer White	P10120	
	PAINT, TOUCH-UP TUBE	See EPC	N/A

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.

For vehicles repaired under warranty, use the appropriate labor operation below.

Labor Operation	Description	Labor Time
0580448*	Apply Sealer at Laser Braze - One Location	0.3 hr
ADD	Apply Sealer at Laser Braze - Each Additional Location (Maximum of 3)	0.2 hr
0560032	Body Joint Resealing	Use Published Labor Operation Time
0560052	Plenum Panel Resealing	

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

Version	2
Modified	Released August 15, 2022 Revised August 31, 2022 – Removed Korea from Involved Countries List per Their Request

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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