



Service Bulletin

Bulletin No.: 23-NA-122

Date: December, 2023

TECHNICAL

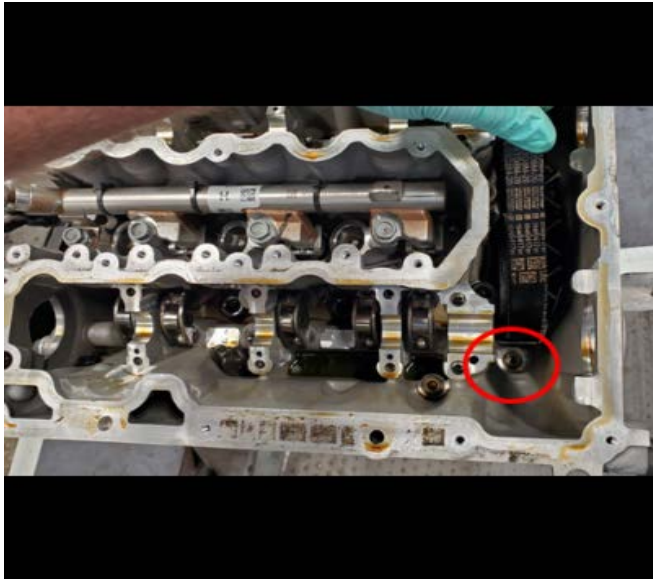
Subject: Engine Oil Leak

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	Encore GX	2020	2024	—	—	1.2L Turbo (RPO LIH)	—
	Envista	2024					
Chevrolet	Trax	2024					
	Trailblazer (VIN M)	2021					

<p>Involved Region or Country</p>	<p>North America</p>
<p>Condition</p>	<p>Some customers may comment on oil leak between the engine front cover and turbocharger heat shield.</p>
<p>Cause</p>	<div data-bbox="683 258 1333 835" data-label="Image"> </div> <p data-bbox="1419 842 1481 863">6373157</p> <p data-bbox="540 869 1318 932">This condition may be caused by porosity from the engine block bolt holes. Important: Do Not replace the engine for this condition.</p> <div data-bbox="683 942 1333 1520" data-label="Image"> </div> <p data-bbox="1419 1526 1481 1547">6373160</p> <p data-bbox="540 1568 1446 1623">– Oil leaking was found to be coming from porosity between the cylinder head bolt hole and the engine mount boss, bolt hole.</p>
<p>Correction</p>	<p>Remove the cylinder head bolt to apply Loctite® 565 to a new bolt. Refer to the Service Procedure.</p>

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.

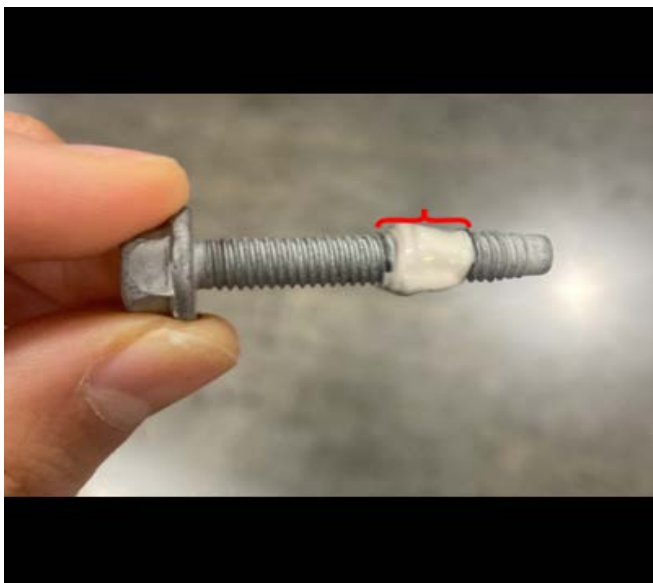
Service Procedure



6373158

Note: Camshaft removed for clarity.

1. Remove the exhaust camshaft sprocket and position aside. Refer to *Camshaft Exhaust Sprocket Replacement* in the Service Manual.
2. Remove the cylinder head bolt.



6373161

Important: Do Not apply Loctite© to the end of the bolt. Damage to the engine block may occur.

3. Apply 565 Loctite© to a new cylinder head bolt as indicated in the graphic above.
4. Install the bolt into the cylinder head and torque to 14.5 N•m (10.7 lb ft). Refer to *Fastener Specifications* in the Service Manual.
5. Install the exhaust camshaft sprocket. Refer to *Camshaft Exhaust Sprocket Replacement* in the Service Manual.

Parts Information

Causal Part	Description	Part Number	Qty
N/A	BOLT, CYL HD	11548171	1
N/A	CLAMP, EXH PIPE	55513359	1
N/A	GASKET, CTLTC CONV	12641115	1
N/A	CLAMP, PCV VAC HOSE	24585201	2
N/A	PIPE, TURBO COOL FEED	55487866	1
N/A	GASKET, TURBO OIL RTN PIPE	55514397	2
N/A	SEAL, TURBO OIL RTN PIPE	55487539	1
N/A	WASHER, TURBO OIL FEED PIPE	55497445	1
N/A	NUT, EXH SYS INTER	11612078	4
N/A	GASKET, CM/ SHF CVR	55487546	1
N/A	BOLT, CR/ SHF BALR	25194208	1
N/A	COVER, TMG BELT LWR	55487381	1
N/A	BOLT, CM/ SHF SPKT	55487704	2
N/A	HOSE, PCV VAC	55513554	1
N/A	GASKET, EXH SYS FRT	13499082	1
N/A	PIPE, TURBO COOL FEED	55509610	1
N/A	OIL, ENGINE	Refer to EPC	As Required
N/A	COOLANT		
N/A	LOCTITE	565	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
4089088*	Add Loctite© to Cylinder Head Bolt	3.6 hrs
*This is a unique Labor Operation for bulletin use only.		

Version	1
Modified	Released December 18, 2023

