



Service Bulletin

Bulletin No.: 21-NA-257

Date: November, 2021

TECHNICAL

Subject: Malfunction Indicator Lamp (MIL) Illuminated - DTC P3075 Set

Brand:	Model:	Model Year:		VIN:		Engine: (1.3L, 2.0L, 2.7L)	Transmission:
		from	to	from	to		
Buick	Encore GX	2020	2022	—	—	L3T	—
Cadillac	CT4	2020	2022			L3B, LSY	
	CT5	2020				LSY	
	XT4	2019				LSY	
	XT5	2020				LSY	
	XT6	2020				LSY	
Chevrolet	Blazer	2019	2022			LSY	
	Silverado 1500 (New Model)	2019	2019			L3B	
	Silverado 1500	2020	2022			L3B	
	Trailblazer	2021				L3T	
GMC	Acadia	2020	2022			LSY	
	Sierra 1500 (New Model)	2019	2019			L3B	
	Sierra 1500	2020	2022			L3B	

Involved Region or Country	North America, Europe, Russia, Middle East, Israel, Palestine, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay, Japan, Cadillac Korea (South Korea), Thailand, Australia/New Zealand
Condition	Some customers may comment that the MIL is illuminated. Some technicians may find DTC P3075 (Engine Coolant Flow Too Low) set in the Engine Control Module (ECM).
Cause	This condition may be caused by low coolant or air trapped in the cooling system.

Correction	<p>Note: For 2019 MY vehicles equipped with the 2.7L (L3B), refer to Service Bulletin # 19-NA-149 first to verify if the vehicle has the most current level of software.</p> <p>If you encounter a vehicle with the above condition, complete the following steps:</p> <p>Important: Do not replace the coolant pump assembly at this time.</p> <ol style="list-style-type: none"> 1. Pressure test the cooling system to confirm no coolant leaks are present. Any leaks in the cooling system should be repaired using Service Information. 2. Once the coolant leak has been repaired, refer to the latest Cooling System Draining and Filling procedure in SI for coolant fill and bleeding procedures. <p>Note: Once the engine is started after the coolant service fill procedure, it will be possible that DTC P3075 may reset until all the air is properly purged from the cooling system. At this point, codes should be cleared, the engine should be at operating temperature and the vehicle road tested to completely purge any remaining air from the cooling system.</p> <ol style="list-style-type: none"> 3. Once completed, clear any DTCs and operate the vehicle under the conditions for running the trouble code per SI. <p>Note: The P3075/P3076 can detect coolant flow-based failures.</p> <ul style="list-style-type: none"> – The intrusive diagnostic test will run once per ignition cycle if all enable conditions are met per SI. The intrusive diagnostic will run the coolant pump at roughly 4000 rpm for 15 seconds and evaluates the pump motor AC current to be within expected range. – The coolant pump AC current feedback will be lower if the cooling system is leaking or low on coolant. <ol style="list-style-type: none"> 4. Using GDS, confirm the P3075 has run and passed in the current drive cycle to ensure the diagnostic has executed and no fault is detected before releasing the vehicle back to the customer. <p>If the vehicle returns for a second time with DTC P3075, replace the coolant pump assembly. Parts will be returned to the Warranty Parts Center.</p>
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Parts Information

No parts are required for this repair.

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
4087038*	Pressure Test the Cooling System	0.3 hr
*This is a unique Labor Operation for bulletin use only.		

Version	1
Modified	Released November 12, 2021

