



Service Bulletin

Bulletin No.: PIP6085

Date: September, 2025

PRELIMINARY INFORMATION

Subject: Information on Possible Broken Crankshaft Gear, Timing Chain or Crank Key

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	LaCrosse	2017-2019		All	All	3.6 LGX	All
Buick	Regal	2018-2019		All	All	3.6 LGX	All
Cadillac	ATS	2016-2019		All	All	3.6 LGX	All
Cadillac	CTS	2016-2019		All	All	3.6 LGX	All
Cadillac	CT5	2020-2026		All	All	3.0 LGY	All
Cadillac	CT6	2016-2020		All	All	3.0 LGW 3.6 LGX	All
Cadillac	XT5	2018-2025		All	All	3.6 LGX	All
Cadillac	XT6	2020-2025		All	All	3.6 LGX	All
Chevrolet	Blazer	2019-2025		All	All	3.6 LGX	All
Chevrolet	Camaro	2016-2024		All	All	3.6 LGX	All
Chevrolet	Colorado	2017-2022		All	All	3.6 LGZ	All
GMC	Acadia	2017-2023		All	All	3.6 LGX	All
GMC	Canyon	2017-2022		All	All	3.6 LGZ	All

Involved Region or Country	North America
Condition	On some vehicles after prior engine repairs, you may find rough running and misfires on bank 2, some or all cylinders.
Cause	We have found on several engines that this is caused by the timing gear on the crankshaft for the left bank broken, or the timing chain broken or the crankshaft keyway broken. This is usually caused because the harmonic balancer has been removed and either the bolt wasn't replaced or the bolt was not torqued correctly. Removal of the camshaft cover and turning the engine over by hand will show the condition.

Correction

The engine will need to be checked for bent valves and piston damage. The crankshaft must be checked for damage to the keyway. If no further damage is found, the gear, chain and key should be replaced and when re-assembling the engine, the old balancer bolt should be used to install the balancer and then the bolt removed and a new bolt installed and torqued per specifications per SI.

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