



Preliminary Information

PIP5712C Diagnostic Tip - Servicing Crankshaft Balancer and Cam Drive System Components

Models

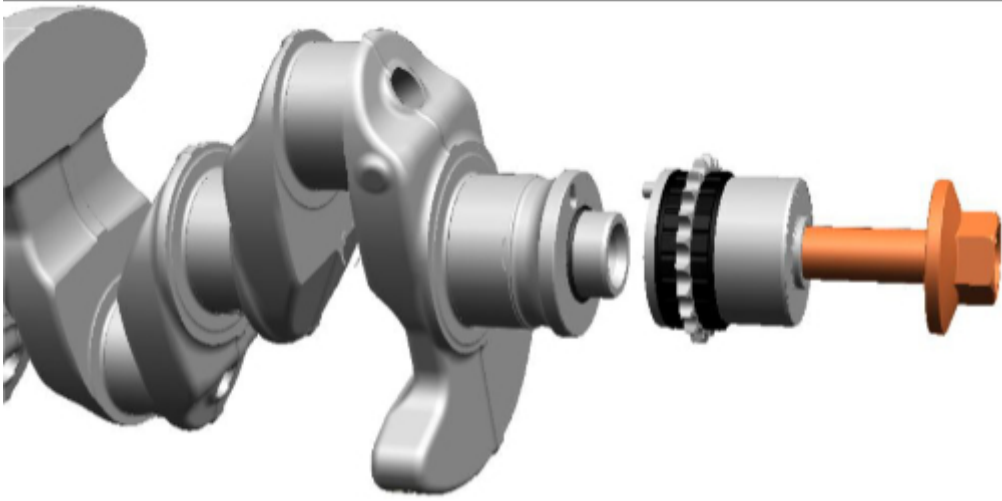
Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	Encore GX	2020 - 2024	All	All	1.2L (LIH) 1.3L (L3T)	All
Buick	Envision	2021 - 2024	All	All	2.0L (LSY)	All
Buick	Envista	2024	All	All	1.2 (LIH)	All
Cadillac	CT4	2020 - 2024	All	All	2.0L (LSY) 2.7L (L3B)	All
Cadillac	CT5	2020 - 2024	All	All	2.0L (LSY)	All
Cadillac	CT6	2019 - 2020	All	All	2.0L (LSY)	All
Cadillac	XT4	2019 - 2024	All	All	2.0L (LSY)	All
Cadillac	XT5	2020 - 2024	All	All	2.0L (LSY)	All
Cadillac	XT6	2020 - 2024	All	All	2.0L (LSY)	All
Chevrolet	Blazer	2020 - 2024	All	All	2.0L (LSY)	All
Chevrolet	Silverado	2019 - 2024	All	All	2.7L (L3B)	All
Chevrolet	Trailblazer	2021	All	All	1.3L (LIH) 1.3L (L3T)	All
Chevrolet	Trax	2024	All	All	1.2 (LIH)	All
GMC	Acadia	2020 - 2023	All	All	2.0L (LSY)	All
GMC	Sierra	2019 - 2024	All	All	2.7L (L3B)	All

Involved Region or Country	North America
Condition	Potential engine damage while servicing the Crankshaft Balancer and/or cam drive system related components
Cause	Crankshaft sprocket may disengage from crankshaft while servicing the crankshaft balancer and/or cam drive system related components

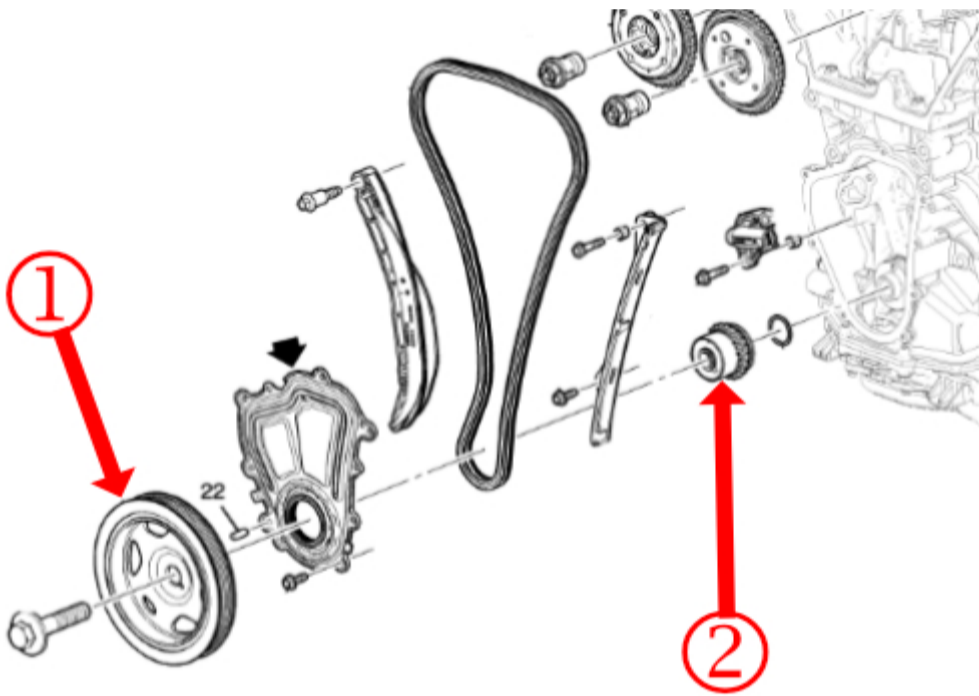
Caution: Do not rotate the crankshaft on these engines with the crankshaft balancer removed. The crankshaft balancer and bolt must be reinstalled to avoid damage to the crankshaft sprocket, crankshaft and valvetrain.

Caution: When servicing any cam drive system components that require crankshaft balancer removal, the appropriate Flywheel Lock / Alignment and Camshaft Alignment Tools for the engine application must be installed to avoid engine valvetrain damage.

As shown below, the crankshaft sprocket is separate from the crankshaft and held in proper position by the crankshaft balancer and Bolt.

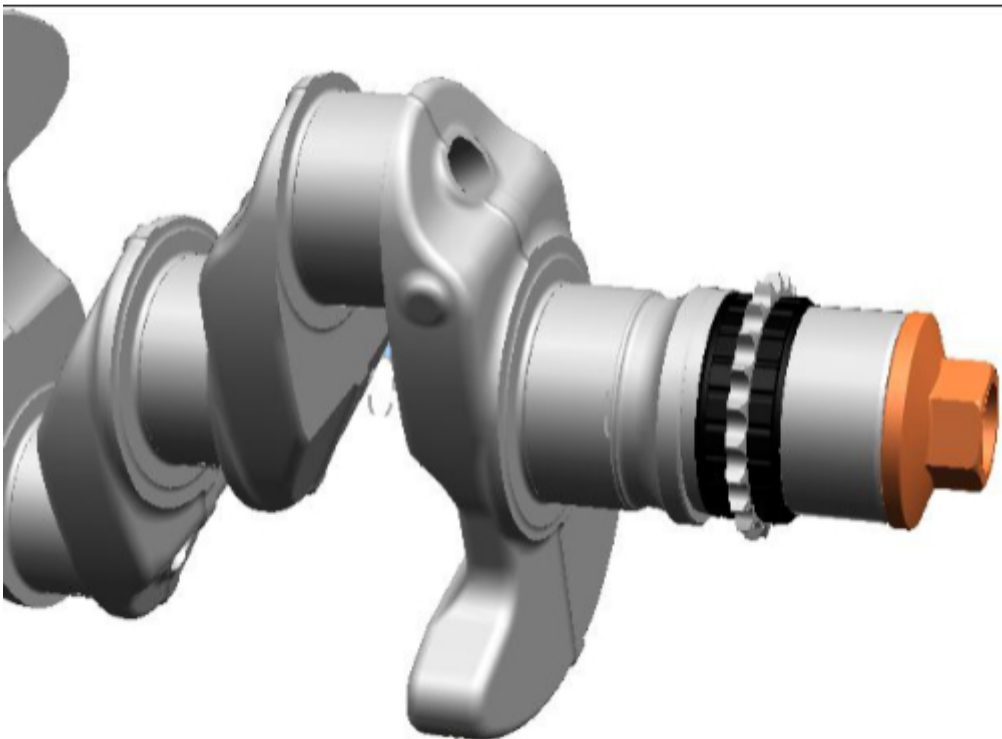


Anytime that the crankshaft balancer (1) is removed for service, install the crankshaft balancer bolt by hand to maintain the crankshaft sprocket (2) to the crankshaft.



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Crankshaft Balancer Bolt installed to maintain Sprocket to Crankshaft relationship



Version History

Version	4
Modified	03/03/2020 - Created on. 03/09/2021 - Updated to add models and years. 03/23/2021 - Updated to add to service procedure information. 5/8/2024- Updated to include 24MY and added Trax/Envista



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