



Preliminary Information

PIP5949 Diagnostic aid for DTC P0506, Engine Running Rough After Autostop Restart

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	Escalade	2020 - 2023	All	All	6.2L L87	All
Chevrolet	Silverado	2019 - 2023	All	All	5.3L L84 6.2L L87	All
Chevrolet	Suburban	2020 - 2023	All	All	5.3L L84 6.2L L87	All
Chevrolet	Tahoe	2020 - 2023	All	All	6.2L L87	All
GMC	Sierra	2019 - 2023	All	All	5.3L L84 6.2L L87	All
GMC	Yukon	2020 - 2023	All	All	5.3L L84 6.2L L87	All

Involved Region or Country	North America
Condition	After engine or crankshaft sensor replacement, it may be found that the engine will run rough after a restart, following an autostop event, DTC P0506 may also be set, After restarting the vehicle conventionally, the condition will be gone until the next autostop restart.
Cause	CKP sensor

Correction:

If this condition began after engine or CKP sensor replacement, replace the CKP sensor with P/N 12667201 and re-evaluate.

Parts Information

Description	Part Number	Quantity
SENSOR, CR/SHF POSN	12667201	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
4020040	Crankshaft Position Sensor Replacement	Use Published Labor Time

Version History

Version	1
Modified	11/03/2023 - Created on.



GENERAL MOTORS