



Bulletin No.: PIP6047

Published date: 02/26/2025

Preliminary Information

PIP6047 DTC P05CE P0014 Set As Current Or History

Models

Brand:	Model:	Model Years:	VIN:	Engine:	Transmissions:
			from	to	
Cadillac	CT4	2024 - 2025	1G6DC5RK3P0155360	Current 2.0 LSY	All
Cadillac	CT5	2024 - 2025	1G6DP5RKXP0155375	Current 2.0 LSY	All

Involved Region or Country:	North America
Condition:	DTC P05CE P0014 set as current or in history.
Cause:	Potential metal debris in engine oil.

Correction

If you encounter of of these vehicles with DTC P05CE P0014 set as current, history or even repeat condition inspect the engine oil by placing a sample into a suitable container and inspecting for signs of metal. If you find an abnormal amount of metal in the engine oil sample proceed with the following steps.

1. Using a soft mallet tap the Harmonic Balancer bolt several times to set the crankshaft to the back of the engine.
2. Set up a dial indicator and place the indicator plunger on the center of the harmonic balancer bolt and zero out the dial indicator. Place the clamp base or magnetic base to a stationary part of the engine or vehicle for testing. Reference picture below for suggested set up.
3. Gently pry the crankshaft forward in the engine using a suitable pry point and record the reading on the dial indicator.
4. Refer to the latest Service Information to confirm the Crankshaft Axial Clearance is outside of specification.
5. If the Crankshaft Axial Clearance is outside of the published specification engine replacement would be required. Reference latest version of TSB [22-NA-074](#).
6. If no abnormal metal was found in the engine oil and the Crankshaft Axial Clearance is within specification then proceed with published diagnostics for the related DTCs

Picture below shows suggested set up for dial indicator.



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:
* 4089498	Crankshaft Thrust Bearing Diagnosis	1.0 Hr.
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	1
Modified	02/26/2025 - Created on.