



Preliminary Information

PIP5836A Knock Sensor Code DTC P0331 Knock Sensor 2 Performance Sets

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	XT5	2022	All	All	3.6 LGX	All
Cadillac	XT6	2022	All	All	3.6 LGX	All
Chevrolet	Camaro	2022	All	All	3.6 LGX	All
Chevrolet	Colorado	2022	All	All	3.6 LGZ	All
GMC	Acadia	2022	All	All	3.6 LGX	All
GMC	Canyon	2022	All	All	3.6 LGZ	All

Involved Region or Country	North America
Condition	Customer may come in with a check engine light on and DTC P0331 set in the ECM at low mileage.
Cause	The exact cause of this is still under investigation but replaced knock sensors have not tested bad.

Correction:

At this time, instead of replacing the knock sensor please do following.

- 1) Disconnect knock sensor electrical connector (do not skip this step as connector needs to be cycled at least once).
- 2) Remove the knock sensor bolt.
- 3) Check for block flashing (excessive block material or plastic from the sensor) near knock sensor boss which contacts knock sensor black plastic.
- 4) If block flashing exists then:
 - a) Open TAC case and send pictures to TAC case of block flashing and sensor.
 - b) Remove block flashing to prevent it from contacting knock sensor black plastic (no part of block should contact knock sensor black plastic).
 - c) Replace knock sensor.
- 5) If block flashing does not exist then:
 - a) Re-install knock sensor with bolt torque 25 +/- 4 Nm.
 - b) Re-connect connector.
- 6) Reevaluate vehicle and ensure code runs and passes.

This PI will be updated or changed to a bulletin when the engineering investigation is completed.

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
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4020310	Knock Sensor Replacement - Bank 2	Use the time applicable for the vehicle repaired.
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Version History

Version	2
Modified	02/03/2022 - Created on. 05/25/2022 - Updated to add additional checks.



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