



Preliminary Information

PIP5493B Misfire with DTC's P0300, P0301-P0306

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	LaCrosse	2017	All	All	3.6 LGX	All
Cadillac	ATS	2016 - 2017	All	All	3.6 LGX	All
Cadillac	CT6	2016 - 2017	All	All	3.0 LGW, 3.6 LGX	All
Cadillac	CTS	2016 - 2017	All	All	3.6 LGX	All
Cadillac	XT5	2017	All	All	3.6 LGX	All
Chevrolet	Camaro	2016 - 2017	All	All	3.6 LGX	All
Chevrolet	Colorado	2017	All	All	3.6 LGZ	All
GMC	Acadia	2017	All	All	3.6 LGX	All
GMC	Canyon	2017	All	All	3.6 LGZ	All
Involved Region or Country	North America					
Additional Options (RPO)	N/A					
Condition	<p>Some customers may comment on a MIL light illuminated.</p> <p>During diagnosis a technician may find DTC P0300 (Engine Misfire Detected) and/or a specific cylinder DTC such as P0300, P0301-P0306</p> <p>This code may be active or stored in history.</p>					
Cause	Unknown at this time					

Correction:

2017 Lacrosse:

If this is the first time in for a P0300 or P0304 misfire in history on Cylinder 4 clear code(s) and drive the vehicle in the same conditions the customer described to set the code originally.

If this is the concern then do not replace any parts at this time.

Document on the repair order what driving conditions were present when the MIL light illuminated.

Engineering is aware of this specific condition and is working on a solution.

If this is a repeat concern, follow eSI diagnostics.

2017 XT5:

If this is the first time in for a P0300 or P0306 misfire in history on Cylinder 6, Clear the code(s) and drive the vehicle under the same conditions the customer described to set the code originally.

If conditions are unknown on XT5 only, from a cold start with one to three mile drive to a highway, then a heavy acceleration to merge into traffic may result in the misfire condition.

If this is the concern then do not replace any parts at this time.

Document on the repair order what driving conditions were present when the MIL light illuminated.

Engineering is aware of this specific condition and is working on a solution.

If this is a repeat concern, follow eSI diagnostics.

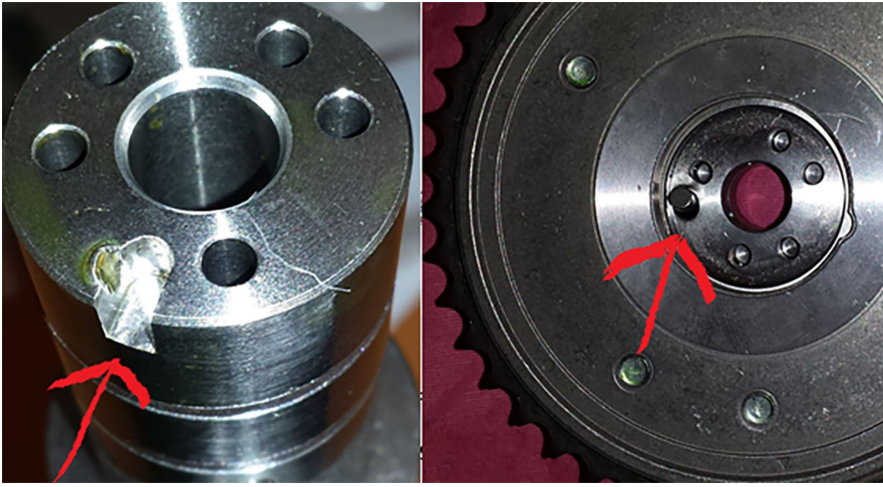
2016 and 2017 All Gen 2 HFV6 Vehicles:

If this is the first time in for a P0300, P0302 or P0305 misfire in history replace the Rocker Arm Oil Control Valve (OCV).

After OCV replacement, command the oil pump to high pressure mode to ensure misfires do not come back.

- If misfires continue, perform normal misfire diagnosis on ignition and injection systems per eSI.
- If no cause is found, remove the cam cover on the affected bank and inspect for a rocker concern.
- To ensure that the rocker is working as designed, turn the engine over by hand and make sure all rockers move to the point of opening all rockers.
- Remove the affected bank camshaft actuator and inspect the interface between the cam and actuator for a bent pin or camshaft damage.

see pics.



- Replace and or repair the rockers, lifters, actuator and camshaft as needed.

Warranty Information

For vehicles repaired under warranty, use the current labor time for the actual repair made.

Version History

Version	3
Modified	6/7/2017 Update to add Model Year in Correction. 6/29/2017 Update to add further direction with picture and correct engine description.



© 2016 General Motors. All Rights Reserved.