



Preliminary Information

PIP5493C 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	Multiple causes depending on vehicle configuration.					

Correction:

2017 Vehicles, verify the latest ECM service calibration is installed in the vehicle.

If a new calibration is available, reprogram the ECM, evaluate the vehicle, and return to customer if code(s) do not return.

For 2016 vehicles and returning 2017 vehicles with the latest ECM calibrations update:

Perform normal eSI diagnostics testing all spark and fuel components for issues. (Coil grounds and wiring, injector concerns, spark plugs, etc)

If no concerns are found then follow the appropriate step (a, b, or c) below for this vehicle's concern.

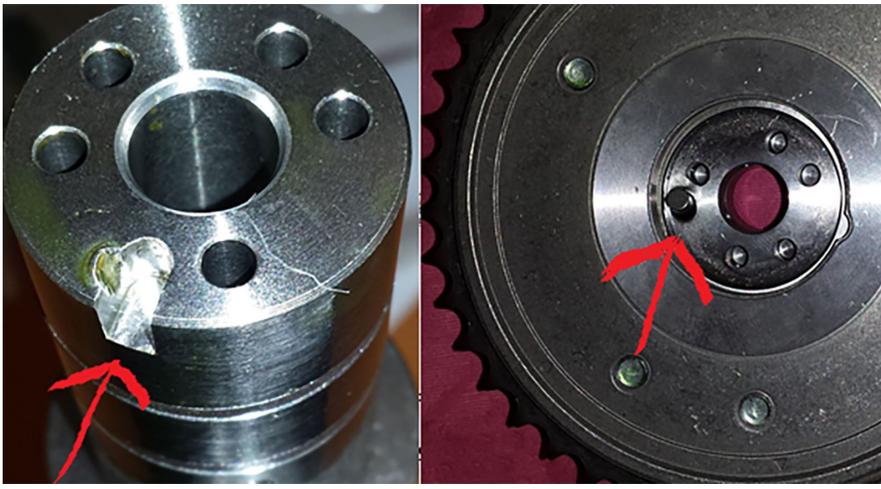
a) If misfire counts accumulate on all three cylinders on one bank, inspect the AFM rocker arms for operation or breakage. Inspect intake and exhaust camshaft and sprocket pins on that bank.

(See PIC's Below)

b) If misfires are on cylinder 2 or 5 (AFM), inspect the AFM rocker arms and inspect intake and exhaust camshafts and sprocket pins on that bank.

(See PIC's Below)

Call TAC and replace the exhaust DFSHLAs with the sorted spec part as well as the AFM OCV.



Replace and or repair the rockers, SHLAs, DF SHLAS, actuator and camshaft as needed per damage found.

c) If misfires accumulate on an individual non AFM cylinder (1,3,4,or 6), call TAC and replace the two exhaust SHLAs on the cylinder with a misfire with the sorted spec parts.

Warranty Information

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

Version History

Version	4
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. 8/2/217 Update to add new directions and administrative details.



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