



Preliminary Information

PIP5730B Diagnostic Assistance For P0011, P0016, P0018, and P0021 On The Gen 2 HFV6 Engine

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	LaCrosse	2017 - 2019	All	All	3.6 LGX	All
Buick	Regal	2018 - 2020	All	All	3.6 LGX	All
Cadillac	ATS	2016 - 2019	All	All	3.6 LGX	All
Cadillac	CT5	2020 - 2021	All	All	3.0LGY	All
Cadillac	CT6	2016 - 2020	All	All	3.0 LGW, 3.6 LGX	All
Cadillac	CTS	2016 - 2019	All	All	3.6 LGX	All
Cadillac	XT5	2017 - 2021	All	All	3.6 LGX	All
Cadillac	XT6	2020 - 2021	All	All	3.6 LGX	All
Chevrolet	Blazer	2019 - 2021	All	All	3.6 LGX	All
Chevrolet	Camaro	2016 - 2021	All	All	3.6 LGX	All
Chevrolet	Colorado	2017 - 2021	All	All	3.6 LGZ	All
GMC	Acadia	2017 - 2021	All	All	3.6 LGX	All
GMC	Canyon	2017 - 2021	All	All	3.6 LGZ	All

Involved Region or Country	North America
Condition	You may find a check engine light on with DTC's P0011, P0016, P0018, or P0021 set. Or any combination of these. Usually there will be no other drivability concerns to go along with the light. At this time, normal diagnosis does not lead you to check these valves / solenoids for these codes.
Cause	This can be caused by the Intake Camshaft Position Actuator Park Lock Solenoid Valves sticking in the actuator or coming apart and part of the valve stuck in the actuator.

Correction:
Remove the Intake Camshaft Position Actuator Park Lock Solenoid Valves and inspect for coming apart or sticking.
If no damage was found, swap the solenoids from bank to bank if just one side is setting a code and then test drive to see if the code follows.
Replace both solenoids if found bad.

NOTE: This PI will be withdrawn when SI can be updated to include this into the diagnostics on all these vehicles.

Warranty Information

Version History

Version3	
Modified	05/26/2020 - Created on. 12/28/2020 - Updated to add 2021 model year. 03/08/2021 - Updated missed 2021 models



© 2021 General Motors. All Rights Reserved.