



Service Bulletin

Bulletin No.: 23-NA-091

Date: May, 2023

INFORMATION

Subject: Information on Rough Idle, Malfunction Indicator Lamp (MIL) Illuminated After Engine Repairs with DTCs P0016 and/or P0018 Set

This bulletin replaces 19-NA-150. Please discard all previous copies of 19-NA-150.

Brand:	Model:	Model Year:		VIN:		Engine: (3.6L)	Transmission:
		from	to	from	to		
Cadillac	ATS	2016	2019	—	—	LGX	—
	CT6	2016	2020				
	CTS	2016	2019				
	XT5	2017	2023				
	XT6	2020					
Chevrolet	Camaro	2016	2023			LGX	
	Colorado	2017	2019			LGZ	
GMC	Acadia	2017	2023			LGX	
	Canyon	2017	2019			LGZ	

Involved Region or Country	North America
Condition	Some dealers may find DTC P0016 and/or P0018 set after an engine repair of the engine wiring harness on the right front side of the engine. This will be a hard code and will usually cause a rough idle concern.
Cause	The cause of the condition may be that the wiring connectors for the intake camshaft actuator solenoid bank one on top of the engine, and the connector for the intake actuator park lock solenoid in the front of the engine for bank one have been swapped. These two connectors are identical and can only be identified by wire color in the connector.
Correction	Remove the connector and look at the schematic in Service Information (SI) to compare and ensure the correct connector is plugged into the actuator and lock solenoid.

Service Procedure

Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.



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1. Bank 1 intake actuator
2. Bank 1 intake park lock solenoid
3. Same hose in both pictures shown for location (3)
 - If the connectors are incorrect, swap them back and clear the code to verify the repair.
 - If the connectors are already in the correct position, then refer to the correct service information diagnostics for this DTC.

Version	1
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Additional SI Keywords: PIP5571, 19-NA-150

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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