



Service Bulletin

Bulletin No.: 22-NA-065

Date: April, 2022

TECHNICAL

Subject: Malfunction Indicator Lamp Illuminated or Flashing - DTC P0300 Set When Driving In High Humidity Or In Heavy Rain

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Equinox	2018	2022			LYX	
GMC	Terrain						

Involved Region or Country	North America
Condition	Some customers may comment on the Malfunction Indicator Lamp being illuminated. – They may say the MIL was flashing while the issue was occurring or the Reduced Power message appeared. Some technicians may find DTC P0300 (Engine Misfire Detected) set in the Engine Control Module (ECM).
Cause	This condition may be caused by moisture build up inside the charge air cooler. – Long drives through rainy conditions and/or high humidity conditions can cause moisture to collect in the charge air cooler. – A heavy acceleration can draw moisture into the engine causing DTC P0300 to set.
Correction	Note: The grille cover can be removed in non-raining, lower humidity or no fog type conditions. The grille cover should not be used in temperatures above 30C/85F, or when towing. A heavy acceleration can draw moisture into the engine causing DTC P0300 to set. If diagnosis does NOT lead to a failed part, install the lower portion of the grill cover, and advise the customer to use the cover when driving in the above conditions. For 2018 MY - Built before March 1, 2018, If it has not been replaced with updated cooler, replace the Charge Air Cooler (CAC).

Service Procedure

Refer to Charge Air Cooler Replacement.

Parts Information

Causal Part	Description	Part Number	RPO	Qty
X	Charge Air Cooler Assembly	85163204 (All)	LYX	1
N/A*	COVER PKG-FRT GRLOPG	2018-2021 84624274 (Equinox)	Without WBL or WFP	1
		2018-2021 84624275 (Equinox with Redline/ Sport or accessory grill PDV)	With WBL or WFP or accessory grill PDV	1
		2018-2021 84630081 (Terrain without front license plate bracket)	Without VK3	1
		2018-2021 84648360 (Terrain with front license plate bracket)	With VK3	1
		2022 85551501 (Equinox, except RS)	Without B8G	1
		2022 85551504 (Equinox RS)	With B8G	1
		2022 85555139 (Terrain, except Denali, with front license plate bracket)	With VK3	1
		2022 85555142 (Terrain, except Denali, without front license plate bracket)	Without VK3	1
		2022 85576446 (Terrain Denali, with license plate bracket)	With VK3	1
		2022 85576448 (Terrain Denali, without front license plate bracket)	Without VK3	1
*For warranty transactions, DO NOT mark this/these parts as the Causal Part. Enter the word "Bulletin" in the Causal Part Description free-flow text field.				

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
1086488*	Install Charge Air Cooler Soft Grille Cover	0.3 hr
4088538*	Charge Air Cooler Replacement/Upgrade	2.1 hr
*This is a unique Labor Operation for Bulletin use only.		

Version	1
Modified	Released April 05, 2022

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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