



# Service Bulletin

File in Section: -

Bulletin No.: 18-NA-020

Date: December, 2018

## TECHNICAL

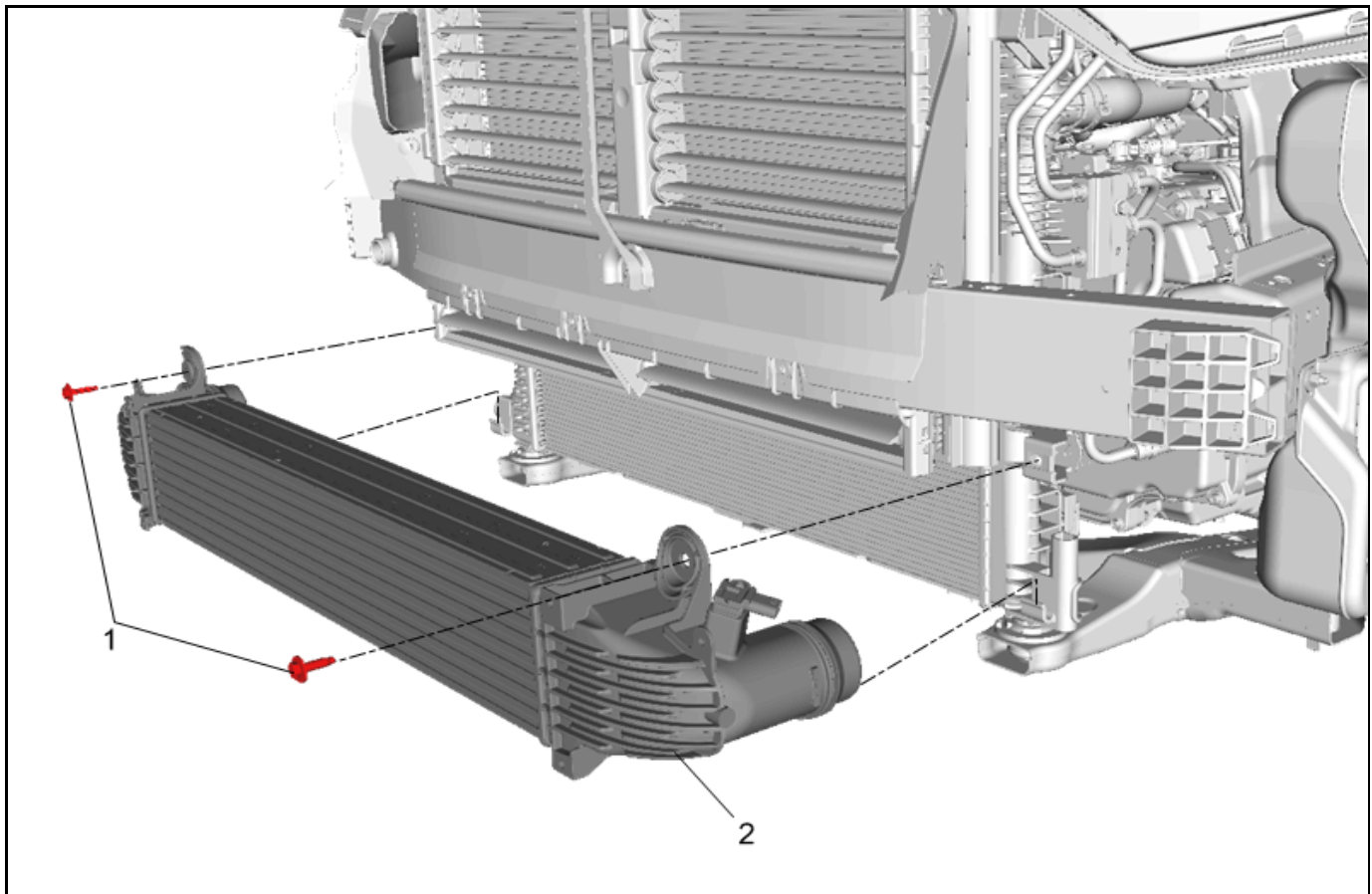
**Subject: Malfunction Indicator Lamp Illuminated with DTC P0300 and/or P0299/P2227 Set**

**This Bulletin replaces PIP5511A. Please discard PIP5511A.**

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Equinox	2018	2018			2.0L (LTG) or 1.5L (LYX)	All
GMC	Terrain						
Holden	Equinox						

<b>Involved Region or Country</b>	North America and N.A. Export Regions
VK3	LICENSE PLATE FRONT-FRT MOUNTING PKG
WBL	SALES PACKAGE-SPORT
<b>Additional Options (RPOs)</b>	Equipped with LICENSE PLATE FRONT-FRT MOUNTING PKG, SALES PACKAGE-SPORT (RPOs VK3, WBL)
<b>Condition</b>	Some customers may comment on a malfunction indicator lamp illuminated. During diagnosis, a technician may find DTC P0299, P2227, or P0300 set/stored.
<b>Cause</b>	This may be caused by moisture build up inside the charge air cooler. Long drives through rainy conditions and/or high humidity conditions (heavy fog) can cause moisture to collect in the charge air cooler. A heavy acceleration can draw moisture into the engine causing DTC P0300. In cold temperatures, ambient and PCV moisture can freeze in the charge air cooler, restricting flow, and causing DTC P0299 and/or P2227.
<b>Correction</b>	<p>Perform a smoke leak test of the charge air cooler. If a leak is determined, replace the charge air cooler with the newly designed part. If there is NO leak, but a P0300, P0299 and/or P2227 are present, and the vehicle was built AFTER March 1, 2018, refer to SI for diagnosis. If there is no leak, but a P0300, P0299 and/or P2227 are present, AND the vehicle was built BEFORE March 1, 2018, then replace the charge air cooler with the newly designed part. LTG only remove boost sensor from the intake charge pipe to the throttle body and wipe with a clean rag to remove residual moisture</p> <p>If the charge air cooler is icing in cold weather conditions, a grille cover can be installed to help prevent the icing. Give the installation instructions, included with the covers, to the owner for future installations/removals.</p> <p><b>Important:</b> During temperatures ABOVE 32°F / 0°C, the grille cover <b>MUST</b> be removed to prevent the engine and transmission from overheating.</p> <p><b>Important:</b> The grille cover <b>MUST</b> be removed before towing a trailer of any size. Failure to do will decrease the transmission cooling efficiency and possibly cause damage to the drivetrain.</p>

**Service Procedure**



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If you encounter a vehicle with the above concern, replace the charge air cooler. Refer to *Charge Air Cooler Replacement* in SI.

**Parts Information**

Causal Part	Description	Part Number	RPO
X	Charge Air Cooler	84454110	LYX
X	Charge Air Cooler	84454111	LTG

Causal Part	Description	Part Number	RPO
N/A*	COVER PKG-FRT GRL OPG	84624274	
		84624275	With WBL
		84630081	Without VK3
		84648360	With VK3

**Warranty Information**

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
4022940	Charge Air Cooler Replacement	Use Published Labor Operation Time
1086018*	Installing Charge Air Cooler Grille Cover	0.3 hrs. (Equinox)
		0.2 hrs. (Terrain)

\*This is a unique Labor Operation for Bulletin use only.

\*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.

<b>Version</b>	4
<b>Modified</b>	Released January 22, 2018 Revised July 26, 2018 – Added Holden Equinox Model Revised October 19, 2018 – Updated the Cause and Correction. Revised December 21, 2018 – Updated Additional Options, Correction, Parts Information and Warranty Information.

