



# Service Bulletin

Bulletin No.: 21-NA-030

Date: April, 2021

## TECHNICAL

**Subject: Engine Noise and/or Belt Squeak, MIL Illuminated – DTC P0324 Set**

**This bulletin replaces PIP5545C. Please discard PIP5545C.**

Brand:	Model:	Model Year:		Breakpoint:		Engine:	Transmission:
		from	to	from	to		
Buick	LaCrosse	2017	2019	SOP	October 30, 2020	3.6L (LGX)	—
	Regal	2018	2020				
Cadillac	ATS	2016	2019				
	CT6	2016	2020			3.0L (LGW), 3.6L (LGX)	
	CTS	2016	2019			3.6L (LGX)	
	XT5	2017	2021				
XT6	2020	2020					
Chevrolet	Blazer	2019	2021				
	Camaro	2016	2019			3.6L (LGZ)	
	Colorado	2017	2021				
GMC	Acadia	2017	2019	—	—	3.6L (LGX)	
	Canyon	2017	2021			3.6L (LGZ)	
Holden	Commodore	2018	2020	—	—	3.6L (LGX)	
	Acadia	2017	2019				

<b>Involved Region or Country</b>	North America, Europe, Russia, Middle East, Iraq, Israel, Palestine, Argentina, Brazil, Bolivia, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay, Venezuela, Japan, Cadillac Korea (South Korea), GM Korea Company, China, Taiwan, Thailand, Singapore, Philippines, Australia/New Zealand, Egypt, Other Africa, South Africa
<b>Condition</b>	<p>Some customers may comment on one or more of the following conditions:</p> <ul style="list-style-type: none"> <li>• MIL illuminated</li> <li>• Engine noise from the front of engine</li> <li>• Belt Squeak</li> </ul> <p><b>Note:</b> This noise may or may not be present at the time vehicle comes in.</p> <p>Some technicians may find DTC P0324 (Knock Sensor System Performance) set in the Engine Control Module (ECM).</p>
<b>Cause</b>	<p>This condition may be caused by the water pump.</p> <p>⇒ If the condition is bad enough, the engine will pick up knock noise created by the water pump.</p>

<b>Correction</b>	<p>If this condition is found, perform the following inspections prior to diagnosing per SI.</p> <ol style="list-style-type: none"> <li>1. Listen to the water pump with a stethoscope or chassis ears to see if any unusual noise is heard. Compare to similar vehicle to confirm.</li> <li>2. Watch the knock re-tard bank to bank on GDS2, then remove the belt and observe knock re-tard again. <ul style="list-style-type: none"> <li>– If there is a difference, this bulletin applies.</li> <li>– If no noises are heard or there is no difference in knock re-tard, then this bulletin does not apply. Refer to SI for further diagnostics.</li> </ul> </li> </ol> <p>If a noise is heard or a difference is made removing the belt, then replace the water pump and re-evaluate the concern.</p>
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## Service Procedure

Refer to *Water Pump Replacement* in SI.

## Parts Information

Causal Part	Description	Part Number	Qty
X	PMP KIT, WAT (LGX)	12707180	1
	PMP KIT, WAT (LGZ)	12679360	

## Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4032750	Water Pump Replacement	Use Published Labor Operation Time

<b>Version</b>	2
<b>Modified</b>	Released February 08, 2021 April 09, 2021 – Added RPO LGZ to Colorado and Canyon.

