



# Service Bulletin

Bulletin No.: 19-NA-218

Date: September, 2023

## TECHNICAL

**Subject:** Ticking Noise from the Engine

**This bulletin replaces PIP5606E. Please discard PIP5606E.**

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	CTS	2019	2019	—	—	5.3L, 6.2L (LT4, L83, L86, L87)	—
	Escalade		2023				
Chevrolet	Camaro	2019	2023				
	Corvette						
	Silverado 1500 (New Model 12th Digit VIN = 7) - 4WD	2019	2019				
	Silverado 1500 (New Model)		2021				
	Silverado 1500 LTD (RPO J21, VIN Digit 5 = W / Y)	2022	2022				
	Silverado 1500 New (RPO J22, VIN Digit 5 = A / D)						
	Silverado LD	2019	2019				
	Silverado 1500	2023	2023				
	Suburban	2019					
	Tahoe						
GMC	Sierra Limited	2019	2019				
	Sierra 1500 (New Model)		2021				
	Sierra 1500 Limited (RPO J21, VIN Digit 5 = 8 / 9)	2022	2022				
	Sierra 1500 New (RPO J22, VIN Digit 5 = H / U)						
	Sierra 1500	2023	2023				
	Yukon Models	2019					

<b>Involved Region or Country</b>	North America, Argentina, Brazil, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay, Europe, Middle East, Iraq, Israel, Palestine, Japan, Cadillac Korea (South Korea), GM Korea Company, Australia/New Zealand
<b>Condition</b>	Some customers may comment that they hear a ticking noise coming from the engine when cold. ⇒ This ticking noise will mainly occur during the first initial start in the morning.
<b>Cause</b>	This condition may be caused by a lifter not having a sufficient amount of oil during cold start operation (not pumped up).
<b>Correction</b>	To correct this condition, follow the Service Procedure below. Australia and New Zealand Dealers - Please refer to SEI-00000627 for further information.

**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.**

## Service Procedure

Allow the engine to sit overnight.

**Note:** You may need to allow 5-7 minutes to confirm.

1. Start the vehicle and listen for a tick noise.
  - If a tick noise is present, proceed to the next step.
  - If a tick noise is NOT present after running engine for at least 5 to 7 minutes, release the vehicle back to the customer.
2. Drive the vehicle through the DFM modes.
3. Check for any misfire DTCs and record:
  - If DTCs are found, refer to SI for diagnosis.
  - If no DTCs are found and noise still persists, operate the engine through cylinder Deactivation test to isolate the cylinder with the concern.
4. If the noise has been isolated, inspect for a bent pushrod and/or collapsed lifter.
  - ⇒ If the pushrods are found to be in working condition, replace the lifters and lifter guides on the affected banks. Refer to *Valve Lifter Replacement* in SI.

**Important:** Any time a valve lifter is replaced, the valve lifter guide must also be replaced.

## Parts Information

Note: Only select the parts that coincide with the repair performed. Replace the part with the P/N outlined in the Electronic Parts Catalog (EPC) in accordance with the vehicle VIN.

Note: Refer to Service Bulletin # 20-NA-038 for additional information on AFM and DFM usage.

Causal Part	Description	Part Number	Qty
X	LIFTER, VLV (Active)	12698946	2 per bank (6 CYL DFM)
			4 per bank (8 CYL AFM)
			8 per bank (8 CYL DFM)
X	LIFTER, VLV (NON-ACTIVE LIFTERS)	12698945	4 per bank (6 CYL)
			4 per bank (8 CYL non DFM)
N/A	GUIDE, VLV LFTR	12698946 (L84, L87)	4
N/A	GUIDE, VLV LFTR	12669185 RR (RPO L82, L83, L86, LT1, LT2, LT4, LV3)	2
N/A	GUIDE, VLV LFTR	12669185 RR (RPO L82, L83, L86, LT1, LT2, LT4, LV3)	2
N/A	GASKET, CYL HD (L82, L83, L84)	12622325	1
N/A	GASKET, CYL HD (L87)	12688943	1
N/A	GASKET, CYL HD (LC8, L96)	12610046	1
N/A	GASKET, CYL HD (LT1)	12688943	1
N/A	GASKET, CYL HD (LV3)	12632968	1
N/A	GASKET, CYL HD (L86, LT2)	12688943	1
N/A	BOLT, CYL HD (M12x1.75 x 102)	Refer to EPC	As Required
N/A	BOLT, CYL HD (M12x1.75 x 134)	Refer to EPC	As Required
N/A	BOLT, EXH MANIF	Refer to EPC	As Required
N/A	GASKET, VLV RKR ARM CVR	12630883	As Required (6 CYL)
N/A	GASKET, VLV RKR ARM CVR	Refer to EPC	As Required (8 CYL)
N/A	GASKET, EXH MANIF	Refer to EPC	As Required
N/A	SEAL, EXH MSNIF PIPE (R)	15035747	1
N/A	SEAL, EXH MSNIF PIPE (L)	15077362	1
N/A	BELT, ACSRY DRV PRIM	12669858 (L84 L87)	1
N/A	PIPE, FUEL FEED INTER	Refer to EPC	1
N/A	PIPE, FUEL FEED INTER (FROM PMP TO CROSSRAIL LINE)	Refer to EPC	1
N/A	GASKET, INT MANIF	Refer to EPC	6 (6 CYL)
			8 (8 CYL)
N/A	GASKET, W/PMP	12682391	2
N/A	SEAL, KIT F/INJR (O-ring)	Refer to EPC	As Required

## Warranty Information

**Note:** Only select the labor operation that coincides with the repair performed.

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
4062390	Valve Lifter Replacement - Right Side	Use Published Labor Operation Time
4062391	Valve Lifter Replacement - Both Sides	
4062410	Valve Lifter Replacement - Left Side	
4062450	Valve Lifter Replacement	

Version	14
Modified	<p>Released February 14, 2020</p> <p>Revised May 28, 2020 – Added RPO LT2 to Corvette and Cylinder Head Gasket P/Ns 12632968 (LV3) and 12688943 (L87) to Parts Information.</p> <p>Revised December 01, 2020 – Updated the Quantity information for P/N 12626354 and 12672366 in the Parts Information section.</p> <p>Revised December 16, 2020 – Added the 2021 Model Year to Applicable Vehicles, added Engine RPOs and updated the Parts Information section.</p> <p>Revised September 08, 2021 – Added Australia/New Zealand to Involved Region or Country section and updated the Parts Information section.</p> <p>Revised December 17, 2021 – Added the 2022 Model Year to Applicable Vehicles and updated a Gasket and both Valve Lifter part numbers and added Gasket part number 12630883.</p> <p>Revised March 30, 2022 – Added PIPE, FUEL FEED INTER (FROM PMP TO CROSSRAIL LINE) to Parts Information section.</p> <p>Revised July 11, 2022 – Added an Important statement above the Service Procedure and information for P/N 12630883 (V6) and 12619787 (V8) in the Parts Information section.</p> <p>Revised January 20, 2023 – Added Exhaust Manifold Bolts to Parts Information section and updated the Involved Region or Country section.</p> <p>Revised February 08, 2023 – Updated SEAL, KIT F/INJR (O-ring) to Refer to EPC in the Parts Information section.</p> <p>Revised April 05, 2023 – Added a statement for Australia/New Zealand dealers in the Correction section and updated applicable parts to Refer to EPC in the Parts Information section.</p> <p>Revised April 17, 2023 – Removed Engine RPOs LC8 and L96.</p> <p>Revised June 01, 2023 – Added the 2023 Model Year to applicable vehicles and changed quantity for P/N 12682391.</p> <p>Revised September 07, 2023 – Removed LT5 from Engine section, added lifter guide replacement information to Step 4 and Important statement to the Service Procedure.</p>

Additional SI Keywords: P0300, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308, P050D

