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	—	—	6.2L (LT4)	—
	Escalade	2019	2020			5.3L, 6.2L (L83, L86)	
Chevrolet	Camaro	2019	2020			6.2L (LT1, LT4)	
	Corvette	2019	2019			6.2L (LT1, LT4, LT5)	
		2020	2020			6.2L (LT2)	
	Silverado LD	2019	2019			5.3L, 6.0L, 6.2L (L83, L86, L96)	
	Silverado 1500 (New Model)	2019	2020			4.3L, 5.3L, 6.2L (L84, L87, LV3)	
	Suburban	2019	2020			5.3L (L83, L86)	
	Tahoe	2019	2020			5.3L, 6.0L, 6.2L (L83, L86, L96)	
GMC	Sierra Limited	2019	2019			5.3L, 6.0L, 6.2L (L83, L86, L96)	
	Sierra 1500 (New Model)	2019	2020			4.3L, 5.3L, 6.2L (L84, L87, LV3)	
	Yukon Models	2019	2020			5.3L, 6.2L (L83, L86)	

Involved Region or Country	North America, Europe, Russia, Middle East, Iraq, Israel, Palestine, Argentina, Brazil, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay, Venezuela, Japan, Cadillac Korea (South Korea), GM Korea Company, Thailand
Condition	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.
Cause	This condition may be caused by a lifter not having a sufficient amount of oil during cold start operation (not pumped up).
Correction	To correct this condition, follow the Service Procedure below.

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 on the affected banks. Refer to *Valve Lifter Replacement* in SI.

Parts Information

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)	12680871	2 per bank (6 CYL DFM)
			4 per bank (8 CYL AFM)
			8 per bank (8 CYL DFM)
X	LIFTER, VLV (NON-ACTIVE LIFTERS)	12648846	4 per bank (6 CYL)
			4 per bank (8 CYL non DFM)
N/A	GASKET, CYL HD (L84)	12622325	1
N/A	GASKET, CYL HD (L87)	12688943	1

Causal Part	Description	Part Number	Qty
N/A	GASKET, CYL HD (LT1)	12659260	1
N/A	GASKET, CYL HD (LV3)	12632968	1
N/A	BOLT, CYL HD (M12x1.75x102)	11611976	Refer to EPC
N/A	BOLT, CYL HD (M12x1.75x134)	11546959	Refer to EPC
N/A	GASKET, VLV RKR ARM CVP	12619787	1
N/A	GASKET, EXH MANIF	12657093	1
N/A	PIPE, FUEL FEED INTR	12677002	1
N/A	PIPE, FUEL FEED INTER	12679463	1
N/A	GASKET, INT MANIF	12626354	1
N/A	GASKET, W/PMP	12682391	1
N/A	SEAL, KIT F/INJR (O-ring)	12672366	1

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	2
Modified	Released February 14, 2020
	May 28, 2020 – Added RPO LT2 to Corvette and Cylinder Head Gasket P/Ns 12632968 (LV3) and 12688943 (L87) to Parts Information.

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