

GENERAL MOTORS
DCS6940
URGENT - DISTRIBUTE IMMEDIATELY

Date: July 15, 2024

Subject: REVISION: N242442140-01 – Service Update
Potential Engine Misfire
Updated Part, Warranty Service Procedure Sections

Models: 2024 Chevrolet Silverado 1500
2024 Chevrolet Suburban
2024 Chevrolet Tahoe
2024 GMC Sierra 1500
2024 GMC Yukon
2024 GMC Yukon XL
Equipped with 5.3L Engine (RPO L84)

This bulletin has been revised to provide the engine replacement procedure, and updated warranty and part sections. Please discard all previous copies of N242442140.

END OF MESSAGE

Service Update

N242442140 Potential Engine Misfire



Release Date: July 2024

Revision: 01

Revision Description: This bulletin has been revised to provide the engine replacement procedure, and updated warranty and part sections. Please discard all previous copies of N242442140.

Attention: On May 16, 2024, an inspection procedure was made available and vehicles that passed the inspection could be delivered and closed using the “Engine Idle and Road Test - Vehicle **Passed** Inspection (No Further Action Required)” labor code 9107431. For vehicles which did not pass inspection and were held, parts are now available to complete this repair and floor plan reimbursement has been added to this bulletin.

All involved vehicles that are in New and Unsold dealer inventory must be held and not delivered to customers, dealer traded, or used for demonstration purposes until the inspection contained in this bulletin has been performed on the vehicle.

This service update involves vehicles in dealer inventory only and will expire August 31, 2025.

Make	Model	Model Year		RPO	Description
		From	To		
Chevrolet	Silverado 1500	2024	2024	L84	ENGINE – GAS, 8 CYL, 5.3L, V8, DI, DFM, ALUM, GEN 5
Chevrolet	Suburban				
Chevrolet	Tahoe				
GMC	Sierra 1500				
GMC	Yukon				
GMC	Yukon XL				

This service update should be performed on vehicles in dealer inventory only. Involved vehicles are marked “Open” on the Investigate Vehicle History screen in GM Global Warranty Management system. This site should always be checked to confirm vehicle involvement prior to beginning any required inspections and/or repairs.

Condition	On certain 2024 model year Chevrolet Silverado 1500, Suburban, Tahoe, and GMC Sierra 1500, Yukon, and Yukon XL vehicles, equipped with a 5.3L gasoline engine (RPO L84), burrs may be present in the engine oil circuit which could cause an engine misfire.
Correction	Dealers will perform the engine idle and road test inspection, and if necessary, replace the engine.

Parts

Quantity	Part Name	Part No.
1	ENGINE, 5.3L V8	12716400
2	SEAL, A/C CMPR&CNDSR HOSE	13579648
10	BOLT, EXH MANIF	11546600
2	GASKET, EXH MANIF	12657093
1	PIPE, FUEL FEED INTER	12679463
1	GASKET, F/PMP BRKT	12679867
1	PIPE, FUEL FEED INTER	12703668
2	SEAL KIT, F/INJR (O RING)	12726902
1	BELT, ACSRY DRV PRIM	12669858
1	BELT KIT, A/C CMPR	12658178
1	GASKET, ENG OIL CLR	23129010
2	RETAINER, ENG OIL CLR	22988272
1	SEAL, OIL LVL IND TUBE (O RING)	24504031
1	SEAL, EXH SYS (METAL DONUT)	15035747
1	SEAL, EXH SYS (METAL O-RING)	15077362
8	GASKET, INT MANIF	12626354
1	FILTER, OIL	12735811
8	OIL, ENG (DEXOS1 GEN3)	19432331 US 19432456 CA
4	COOLANT, ENGINE (DEXCOOL PREMIX 50/50)	12378390 US 10953456 CA
1	SEAL, A/C CMPR&CNDSR HOSE	13579649
2	GASKET, W/PMP	12682391
6	BOLT, ENG MT FRM SI	11549180

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Reminder: Parts may be removed from SPRINT and Retail Inventory Management (RIM) and be non-returnable. Dealers should review the affected parts to confirm RIM managed status. Parts may have quantity limiters in effect. **Due to the limited initial parts availability, dealers are encouraged not to order these parts for use as shelf stock.**

Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9107431	Engine Idle and Road Test - Vehicle Passed Inspection (No Further Action Required)	2.5	ZFAT	N/A
9107485	Engine Replacement ADD (applies to all models): Recover/Recharge A/C ADD (applies to all models): Engine Idle and Road Test Silverado/Sierra 2WD 4WD Yukon 2WD F47 2WD W/O F47 4WD F47 4WD W/O F47 Tahoe 2WD F47 2WD W/O F47 4WD F47 4WD W/O F47	1.2 2.5 18.5 18.6 18.5 18.4 18.6 18.5 18.1 18.0 18.2 18.1	ZFAT	N/A
9107486	Floor Plan Reimbursement – NEW INVENTORY ONLY	N/A	ZFAT	*

Note: To avoid having to “H” route the floor plan transaction for wholesale approval, it must be submitted prior to the repair transaction.

Floor Plan Reimbursement – NEW INVENTORY ONLY

* **USA & Canada Only** – For vehicles eligible for floor plan reimbursement, the amount should be submitted in Net Item/Miscellaneous. This amount should represent the product of the vehicle’s average daily interest rate (see table below) multiplied by the actual number of days the vehicle was in dealer inventory and not available for sale due to not passing inspection. This reimbursement is limited to the number of days from the date the inspection procedure was sent (May 16, 2024) to the date the repair is completed, and the vehicle is ready for sale (not to exceed 64 days):

Vehicle	Floor Plan Reimbursement Amount	
	USA	Canada
2024 Chevrolet Silverado 1500	\$19.28	\$13.59
2024 Chevrolet Suburban	\$24.10	\$N/A
2024 Chevrolet Tahoe	\$23.10	\$18.27
2024 GMC Sierra 1500	\$26.45	\$13.08
2024 GMC Yukon	\$26.26	\$N/A
2024 GMC Yukon XL	\$27.35	\$N/A

Service Procedure

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 traffic laws. 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.

1. Test the vehicle for misfires by performing the following test. Ensure the MDI2 is hooked up and that you are monitoring engine misfire using GDS for the entire duration of the test.
2. Idle the engine for 30 minutes.

Important: Please note these are new Engines - not fully broken in yet, and at no time during this Idle test should the engine exceed 3,500 RPMs.

3. Slowly ramp the engine up to 3,400 RPMs (3,300 to 3,500 RPMs target engine idle range) from idle and hold for 5 seconds, then drop it back down to idle for 1 minute.

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4. Repeat step 3 four more times.
5. Road test the vehicle. This road test should consist of 25 miles (40 km) on city streets with varying speeds and loads, as well as 25 miles (40 km) on a highway at a steady-state speed somewhere in the range of 55-70 mph (88-112 km/hr) according to the local roads and speed limits available to you.
 - If the engine starts running rough and GDS shows more than an occasional misfire at any point during the test or afterwards, proceed to step 6.
 - If the engine does not start running rough and GDS shows either no misfires or only a few, no further action is required.
6. Replace the engine. Refer to *Engine Replacement* in SI.

Dealer Responsibility

Dealers must take the steps necessary to ensure that the service update correction has been made to all involved vehicles in dealer inventory before selling or dealer-trading the vehicle, but no later than August 31, 2025.

All new, used, GM Certified Pre-Owned (CPO), courtesy transportation vehicles, dealer shuttle vehicles, CarBravo, etc. in dealers' possession and subject to this field action must be held and inspected/repared per the service procedure of this bulletin before customers take possession of these vehicles. Involved vehicles must be held and not delivered to customers, dealer-traded, released to auction, used for demonstration, or any other purpose.

All GM Certified Pre-Owned (CPO) vehicles currently in the dealers' inventory within the SHIFT Digital system will be de-certified and must be held and remedied per the service procedure in this bulletin. Upon submitting an accepted/paid warranty transaction in the Global Warranty Management (GWM) system, the vehicle can be re-certified for sale within the SHIFT Digital system, or once again be used in the Courtesy Transportation Program.

Dealer Reports – For USA & Export

The Inventory tab of the Open Vehicle Report will contain Service Update Bulletin VINs that apply to this field action. This information is intended to assist dealers with the **PROMPT COMPLETION** of these vehicles. The Customer In-Service tab will not contain Service Update Bulletin VIN data because the intent of a Service Update Bulletin is to not inconvenience a customer with a special trip for service. Service Update Bulletins are to be completed when the customer is in for a regularly scheduled visit.

