

DTC: P0524-00

Bulletin: GDC25-009

Date: Sept 29, 2025

Description: Engine Oil Pressure Too Low

Applies To: US24 and Newer Emissions Product Class (B2)

For Spanish click here: [ESPAÑOL](#) For French click here: [FRANÇAIS](#)

General Information

These repair instructions are intended to address the following fault(s):

DTC	Description	Possible Cause	Possible (Observable) Symptoms
P0524-00	Engine Oil Pressure Too Low	- Low engine oil level (EOL) - Contaminated oil, slow flowing or too thin - Reduction valve - Worn oil pump - Engine oil pressure (EOP) sensor - Oil leakage	- Low Power - Reduced engine output and engine switch-off if the vehicle speed falls below 3 km/h (2 mph) when engine protection is chosen in the data set

Required Parts

Part Number	Description	Quantity
22899626	Oil Pressure Sensor	1

Additional Resources

These repairs are the most likely fix for the identified fault, if this does not fix the issue, Tech Tool will need to be used for more detailed diagnostics. If filing a warranty claim, please include the ASIST case number.

LaborCode	
3864-03-02-02	0.4
Causal Part	22899626

Repair Instructions

3864-03-02-02 Oil Pressure Sensor, Replacement



Illustrations may differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.



Colors used in illustrations are for highlighting purposes only and do not correspond to the actual colors of the vehicle.



All threaded fasteners that do not have a tightening torque specification in the information are tightened to a standard torque. Standard torques are available in the following specification. ➡ [Standard Tightening Torques](#)



WARNING

Risk of burn injuries.

The coolant may be hot.

- ▶ The cooling system is under pressure and can reach a temperature sufficient to cause burns. Allow the coolant temperature to reach a safe level before starting the work.
- ▶ Remove the coolant tank cap carefully. Use appropriate protective equipment.



CAUTION

Service Information Advisory.

If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

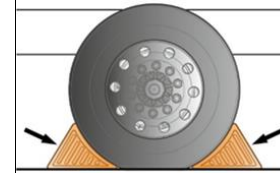
- ▶ You must read and understand the precautions and guidelines in Service Information, Function Group 2, "General Safety Practices, Engine" before performing this procedure.

DTC: P20524-00

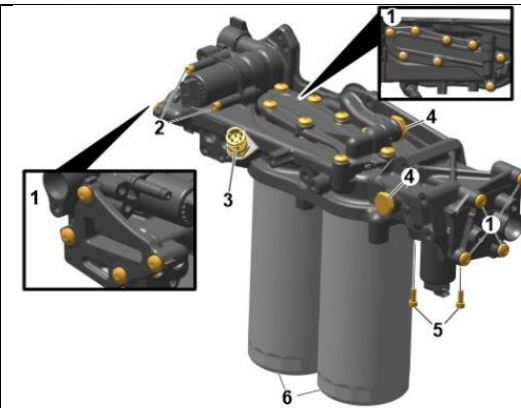
Bulletin: GDC25-004

Date: March 25, 2025

Park the vehicle on a level surface. Apply the parking brake. Place the gear lever in neutral.
Install the wheel chocks.



Unlatch and raise the hood.
Disconnect the wiring harness connector from the EOP sensor (thermal management) installed in the oil filter housing.
Remove the EOP sensor (3) from the oil filter housing.
Install the replacement EOP sensor into the oil filter housing and tighten to specification.
Reconnect the wiring harness connector to the EOP sensor.
Start and run the engine and check for leaks.
Clear any diagnostic trouble codes (DTCs).
Close the vehicle hood.
Remove the wheel chocks.



1	Cover, screw	24 ±4 Nm (18 ±3 lb _r -ft)
2	Thermostat, control valve, screw	10 ±1.5 Nm (7 ±1 lb _r -ft)
3	Oil pressure sensor	25 ±3 Nm (18 ±2 lb _r -ft)
4	Oil filter housing, plug	50 ±5 Nm (37 ±4 lb _r -ft)
5	Piston cooling jet, control valve, screw	10 ±1.5 Nm (7 ±1 lb _r -ft)
6	Oil filter	1. Rotate the filter 270 – 360°
		2. 25 ⁺⁵ ₊₀ Nm (18 ⁺⁴ ₊₀ lb _r -ft)