

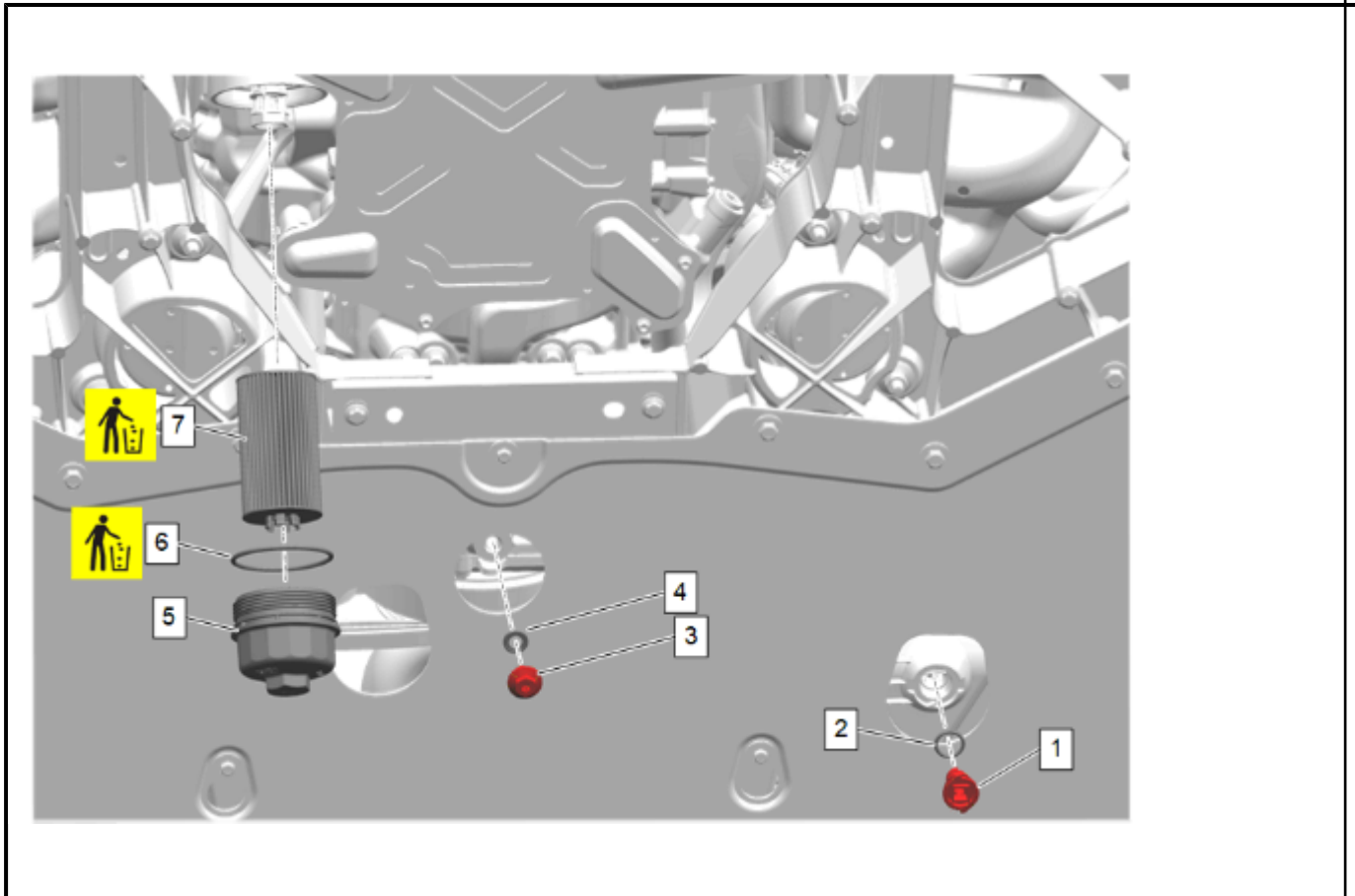
Subject: Information on 5.5L (LT6) Engine Oil Service

Brand:	Model:	Model Year:		Build Date:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Corvette	2023	2025	—	—	5.5L (LT6)	—

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Country

North America, Europe, Middle East, Israel, Palestine, Japan, China GMPI, Philippines, Australia/New Zealand

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When changing the oil on a 5.5L RPO (LT6) engine, it is very important to follow all steps in the Engine oil and Oil Filter Element Replacement procedure in service information (SI). There are 2 drain plugs that must be removed, and oil allowed to drain completely before proceeding. You have a drain plug for the lower oil pan (3) and a drain plug (1) at the oil tank location. This is different from the 6.2L RPO (LT2) engine in that there is just one drain plug.

Important: Before removing the 2 drain plugs, remove the oil fill cap. This will allow the oil to drain completely and prevent any overfill condition when filling with new oil. If this is not done, the oil could be overfilled and may result in a MIL being illuminated and/or possible Bank 1 misfires.

There have been cases where one of the drain plugs has not been removed and upon adding new engine oil, the engine can now become overfilled with oil, leading to potential driveability and/or engine damage concerns.

Note: The engine oil level must be checked when the engine is warm. Cold oil level in the dry sump tank may not indicate the actual amount of oil in the system. Engine oil is contained in an external tank, separate from the engine. Under normal operating conditions, the oil pan under the engine does not store any oil. If the vehicle has been parked for an extended period without the engine being started, some oil will seep back into the oil pan. This will reduce the amount of oil held in the dry sump tank and there could be no engine oil on the oil level indicator. This is normal since the oil level indicator is designed to read the engine oil level only after the engine has run long enough to reach normal operating temperature. Do not add engine oil based on cold engine oil level indicator readings. The engine oil level on the oil level indicator must be checked while the engine is running at idle.

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

Refer to [Engine Oil and Oil Filter Element Replacement](#).

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Modi- fied	Released December 13, 2024 Revised March 27, 2025 – Added Important statement in the Information section.