



Service Bulletin

Bulletin No.: 17-NA-157

Date: September, 2023

INFORMATION

Subject: Information on Spin-On Oil Filter Replacement for Gas Engines Designed with New Oil Pump Control Systems

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	All GM Passenger Cars and Trucks	2012	2024			L3A, L83, L86, L8B, L8T, L96, LC8, LCV, LE2, LEA, LF3, LF4, LFR, LFV, LFX, LGW, LGX, LHN, LKW, LLT, LT1, LT4, LTG, LV1, LV3, LV7, LYX	
Cadillac							
Chevrolet							
GMC							

Involved Region or Country	North America, Bolivia, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay, Europe, Uzbekistan, Russia, Middle East, Israel, Palestine, Japan, Cadillac Korea (South Korea), GM Korea Company, Australia/New Zealand
Information	<p>Today's engine has very tight tolerances, two stage oil pumps and high flow lubrication system requirements. The proper match of oil filter to engine application is more important than it has ever been in the past. The use of a replacement oil filter with an internal bypass valve opening pressure specifications of 15 PSI (100 kPa) or less, allows debris to circulate in the engine causing damage to bearings and other tight tolerances areas, which may result in premature engine failure.</p> <p>The oil pressure was increased to accommodate these tighter tolerances. As a result, the oil filter specifications of the production oil filter and the service oil filter were also improved to meet the new engine requirements.</p> <p>Beginning in 2012, the oil pumps began to regulate main gallery feedback instead of pump out pressure. This means that the oil pump now does not begin to regulate until pressure is built up to the main gallery. This change reduces the amount of time it takes to provide oil to the engine bearing and lifters during extreme cold start conditions.</p> <p>Main gallery feedback oil pump control systems are present on the following engine families which use Spin-on oil filters: Small Gas Engine (SGE), Large Gas Engine (LGE), High Feature (HFV6) Gen2 and Small Block Gen5 gasoline engines. These engines with the main gallery feedback oil pump control systems are factory built with ACDelco® oil filters.</p> <p>Important: The PF64 and PF63, which is commonly confused by many in the automobile service industry as an ACDelco® PF48 and/or PF48E, because both oil filters have a similar appearance and are very close in oil can size. However, these oil filters are not the same size and also have different internal bypass valve opening pressure specifications (PF48/PF48E = 15 PSI (100 kPa), PF64/PF63 = 22 PSI (150 kPa)).</p> <p>Note: Any aftermarket filter must also have an internal bypass valve opening pressure specification, element integrity, filtration performance, media particle trap specification and burst strength that is equivalent to the ACDelco PF64/PF63 filters.</p>

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.

Parts Information

Refer to the Electronic Parts Catalog (EPC) to determine the proper part numbers for the replacement oil filter with an internal bypass valve opening pressure specifications of 150 kPa and features that are equivalent to the ACDelco PF64/PF63 oil filters.

Version	4
Modified	<p>July 13, 2018 – Added Model Years 2018-2019, added additional engine RPOs and revised Important statement.</p> <p>Revised February 10, 2022 – Added the 2020-2022 Model Years, removed references to PF63E and updated the Involved Region or Country section.</p> <p>Revised September 08, 2023 – Added the 2023-2024 Model Years and RPO L8T to Engine section.</p>

