2012 - 2017 Corvette: Service Bulletin: #17-NA-157: Information on Spin-On Oil Filter Replacement for Gas Engines Designed with New Oil Pump Control Systems

#17-NA-157: Information on Spin-On Oil Filter Replacement for Gas Engines Designed with New Oil Pump Control Systems - (May 10, 2017)

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	2017			LV7, LFV, LE2, LEA, LCV, LKW, LTG, LGX, LGW, L86, L83, L8B, LT4, LT1,	

Cadillac Chevrolet GMC						LV3, LV1	

Involved Region or Country	North America and N.A. Export Regions
Information	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. 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.

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.

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 an ACDelco® oil filters.

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 the same appearance and oil can size. However these oil filters are not the same and have different internal bypass valve opening pressure specifications (PF48/PF48E = 15 PSI (100 kPa), PF64/PF63E = 22 PSI (150 kPa). **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/PF63E filters.

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/PF63E oil filters.

Online URL:
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