



Service Bulletin

File in Section: 06 - Engine

Bulletin No.: 06-06-05-001G

Date: April, 2016

INFORMATION

Subject: Information on Changes in Exhaust Tone for Active Fuel Management Engines When in Three or Four Cylinder Mode

Models: 2007 Buick Rainier
2007-2009 Buick Allure (Canada Only), LaCrosse
2007 Chevrolet Monte Carlo
2007-2009 Chevrolet TrailBlazer
2007-2016 Chevrolet Avalanche, Impala, Silverado, Suburban, Tahoe
2010-2016 Chevrolet Camaro
2007-2009 GMC Envoy Denali
2007-2016 GMC Sierra, Yukon, Yukon XL, Yukon Denali
Equipped with Active Fuel Management 5.3L, 6.0L or 6.2L V8 Engine — RPO LC9, LH6, LMG, LS4, LY5, L76, L77, LFA, LZ1, L83, L86, L92, L94, L99, LT1 or LT4
Equipped with Active Fuel Management 3.9L, 4.3L V6 Engine — RPO LV3, LZ8 or LZG

Attention: This Bulletin also applies to any of the above models that may be Export vehicles.

This Bulletin has been revised to update the Models and Engine information. Please discard Corporate Bulletin Number 06-06-05-001F.

Changes in Exhaust Tone

Some customers may comment on changes in the exhaust tone when an Active Fuel Management (AFM) equipped 6 cylinder or 8 cylinder engine changes to 3 cylinder or 4 cylinder mode. Some drivers may also notice a very slight vibration in either the accelerator pedal, floor pan and/or the steering wheel. This is a normal condition for AFM equipped vehicles and no repairs should be attempted.

Tip: For full size trucks, verify the vibration by test driving the vehicle at approximately 30 mph (48 km/h). Use the DIC to monitor the AFM V8 to V4 cylinder activation. Confirm the vibration is present during V4 mode. Place the transmission in manual mode 5th gear to force the engine to stay in V8 mode. Again operate the vehicle at same speed and confirm no vibration is present in V8 mode.

Customer Information on Active Fuel Management

When Active Fuel Management is enabled, physical changes take place within the engine that allow it to run as a 3 cylinder or 4 cylinder with accompanying additional fuel savings. The change in exhaust tone is expected, as all sound from the exhaust is the result of combustion in the engine. The ability to perceive these changes in sound are kept to very minimal levels as AFM is only activated during steady state or near steady state driving conditions or during a coast down. In both of these situations, the load on the engine is minimal and general exhaust volume (sound) will be less. Please provide a copy of this bulletin to your customer.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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