



Service Bulletin

File in Section: 06 - Engine
Bulletin No.: 06-06-05-001F
Date: May, 2014

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
2007-2012 Chevrolet Avalanche, Impala, Silverado, Suburban, Tahoe
2010-2014 Chevrolet Camaro
2013 Chevrolet Silverado
2013-2014 Chevrolet, Suburban, Tahoe
2007-2009 GMC Envoy Denali
2007-2012 GMC Sierra, Yukon, Yukon XL, Yukon Denali
2013 GMC Sierra
2013-2014 GMC Yukon, Yukon XL and Denali
2007-2009 Saab 9-7X
Equipped with Active Fuel Management Vortec™ GEN IV 5.3L, 6.0L or 6.2L V8 Engine — RPO LMG, LC9, LY5, LH6, L76, L77, LFA, LZ1, LS4, L94 or L99
Equipped with Active Fuel Management 3.9L V6 Engine — RPO LZ8 or LZG

This bulletin has been revised to update the Subject and add certain Model Year 2013-2014 vehicles. Please discard Corporate Bulletin Number 06-06-05-001E.

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.

Vortec™ is a Trademark of General Motors LLC

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.



WE SUPPORT VOLUNTARY
TECHNICIAN
CERTIFICATION