



Service Bulletin

TECHNICAL

Subject: Boom and/or Vibration Heard/Felt between 1,500 to 1,700 RPM when Active Fuel Management (AFM) Engaged

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	XT5	2017	2017	SOP	May 5, 2017	LGX	
GMC	Acadia (VIN N)						

Involved Region or Country	North America, Middle East, Europe, Russia, Israel, Japan, South Korea
Condition	Some customers may comment that a boom and/or vibration can be heard/felt when the engine RPM are around 1,500 to 1,700. The technician may find this condition occurs when the Active Fuel Management engages and the engine switches from 6 cylinders to 4 cylinders.
Cause	This condition may be caused by a trim calibration for the Active Fuel Management system.
Correction	If you encounter a vehicle with the above concern, reprogram the ECM software with the latest TIS2WEB calibration available.

Parts Information

No parts are required for this repair.

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
2810075	Engine Control Module Reprogramming with SPS	Use Published Labor Operation Time

Service Procedure

Important: Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. Install the EL-49642 SPS Programming Support Tool to maintain system voltage. If not available, connect a fully charged 12 V jumper or booster pack disconnected from the AC voltage supply. DO NOT connect a battery charger.

A revised calibration has been released to address these conditions. Update the Engine Control Module (ECM). Refer to *K20 Engine Control Module: Programming and Setup* in SI.

Version	1
Modified	

Additional Keywords: AFM

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 this information.



WE SUPPORT VOLUNTARY TECHNICIAN CERTIFICATION