



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Engine Flares While Driving

**Models:** 2016 - 2017 Chevrolet Volt

*This PI was superseded to update to model years. Please discard PIC6161.*

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

### Condition/Concern

Some customers may comment about unwanted engine flairs while the vehicle is at steady state speed or while the vehicle is slowing.

This may be noticed more frequently by a customer in the winter while the engine is running for coolant temperature. It is also more common for customers who drive in Low range or who use the Regen on Demand paddle at higher speeds.

### Recommendation/Instructions

This behavior is a normal operating characteristic of the 5ET50/MKV drive unit. As the drive unit shifts between its five modes of operation, the engine speed will increase to allow the synchronous shifting to occur between the clutches. The 5ET50/MKV architecture is different and more efficient than the 4ET50/MKA on the first generation Volt.

The primary reason the drive unit shifts modes is for maximum efficiency. It is worth noting that the vehicle is not wasting fuel during the increase in engine speed, and the direct coupling nature of the Volt power-split drive unit is providing energy efficiency for the customer. Keeping the PRNDL in Drive and using the brake pedal will help mitigate the amount of engine flairs at higher vehicle speeds.

If no trouble is found with the vehicle, use labor listed below.

**Note:** Then document the concern and place the customer's specific comments in the notes of the warranty claim.

### Warranty Information

Labor Operation	Description	Labor Time
8469959	Transmission Customer Concern Not Duplicated	Use Published Labor Operation Time

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

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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