



Service Bulletin

INFORMATION

Subject: Information on Voltmeter Gauge Fluctuation Due to Regulated Voltage Control System and Concerns About Camper/Trailer Battery Charging

Models: 2005-2014 Cadillac Escalade Models
2005-2013 Chevrolet Avalanche
2005-2013 Chevrolet Silverado, Silverado Classic, Suburban, Tahoe
2014 Chevrolet Silverado 2500/3500
2005-2013 GMC Sierra, Sierra Classic, Yukon Models
2014 GMC Sierra 2500/3500

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

This bulletin has been revised to add the 2011-2014 Model Years. Please discard Corporate Bulletin Number 07-06-03-009B.

Voltmeter Fluctuation Condition

Some customers may comment that the voltmeter is fluctuating between 12 and 14 volts on their full size pickup or utility vehicle. Starting with the 2005 model year, light duty full size pickups and utilities are equipped with a Regulated Voltage Control (RVC) system. This system reduces the targeted output of the generator to 12.6–13.1 volts when in “Fuel Economy Mode” to improve fuel economy. The generator may exit “Fuel Economy Mode” if additional voltage is required. This will cause the voltmeter to fluctuate between 12 and 14 volts as opposed to non-regulated systems that usually maintain a more consistent reading of 14 volts. This fluctuation with the RVC system is normal system operation and NO repairs should be attempted.

Camper/Trailer Battery Charging Concerns

Some customers may comment that when towing or hauling a camper/trailer, the auxiliary battery for the camper/trailer will not stay charged. In most cases, this concern is blamed on the new RVC system. While the RVC system does reduce the generator's targeted output voltage to 12.6–13.1 volts when in “Fuel Economy Mode”, this feature is bypassed if the tow/haul feature is enabled. With the tow/haul feature enabled, the RVC system will stay in “Charge Mode” and the targeted generator output voltage will be 13.9–15.5 volts, depending on the battery state of charge and the estimated battery temperature. To keep the generator in the “Charge Mode”, use either of the following two methods.

- The first method is to use the tow/haul mode when towing or hauling a camper or trailer.
- The second method is to turn on the headlights, which will increase the generator's targeted output voltage to 13.9–14.5 volts.

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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