

## **Service Bulletin**

## INFORMATION

## Subject: Information on No Start, Loss or Reduction of Propulsion - DTC P0AFA and/or P0BBE Set

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to	Engine.	fransmission.
Cadillac	ELR	2014	2016			1.4L (LUU)	Automatic (MKA, MKD)
Chevrolet	Volt	2011	2015				Automatic (MKA)

Involved Region or Country	North America				
Condition	<ul> <li>Some customers may comment on one or more of the following conditions:</li> <li>No start</li> <li>Loss or reduction in propulsion before the no-start event</li> <li>Some technicians may find one or more of the following DTCs set:</li> <li>P0AFA: Hybrid/EV Battery System Voltage Low Voltage</li> <li>P0BBE: Hybrid Battery Pack Voltage Variation</li> <li>Note: The vehicle will prevent a subsequent start attempt with a latched DTC P0AFA.</li> </ul>				
Cause	<ul> <li>This condition may be caused by one or more of the 96 cell groups in the high voltage battery pack that may have degraded.</li> <li>⇒ A degraded cell may have a lower cell voltage than the rest of the cells in the pack.</li> </ul>				
Information	<ul> <li>The DTC is identifying a condition with the vehicle. The condition may be intermittent in nature and is likely to return if not appropriately addressed. Follow SI Document ID# 2420054 regarding diagnosis and repair of the P0AFA.</li> <li>If the degraded cell(s) is within one of the three battery sections, replace the appropriate section.</li> <li>If multiple sections are required, the full battery pack must be replaced.</li> <li>Replacing the 12 volt battery will not correct this condition. Older P1.4 chemistry battery packs and sections on some 2011-2012 vehicles may not be available to order and a full pack with newer chemistry may be required to repair.</li> <li>In North America, refer to Service Bulletin 18-NA-236 for ordering information.</li> <li>Important: The Customer Satisfaction Program Campaign N172130462 – Loss of Propulsion Due to Low Cell Voltage (HPCM2 software update) does not correct a low battery cell. It reduces the likelihood of a complete loss of propulsion event, but the hardware still requires diagnosis and repair.</li> </ul>				

## Parts Information

No parts are required for this repair.

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GM bulletins are intended for use by professional technicians, NOT a "<u>do-it-yourselfer</u>". 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, <u>DO NOT</u> 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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