



Service Bulletin

PRELIMINARY INFORMATION

Subject: Service High Voltage Charging System Message with DTC P1EDD Or P1EDC

Models: 2014-2015 Chevrolet Volt
2014-2015 Cadillac ELR

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

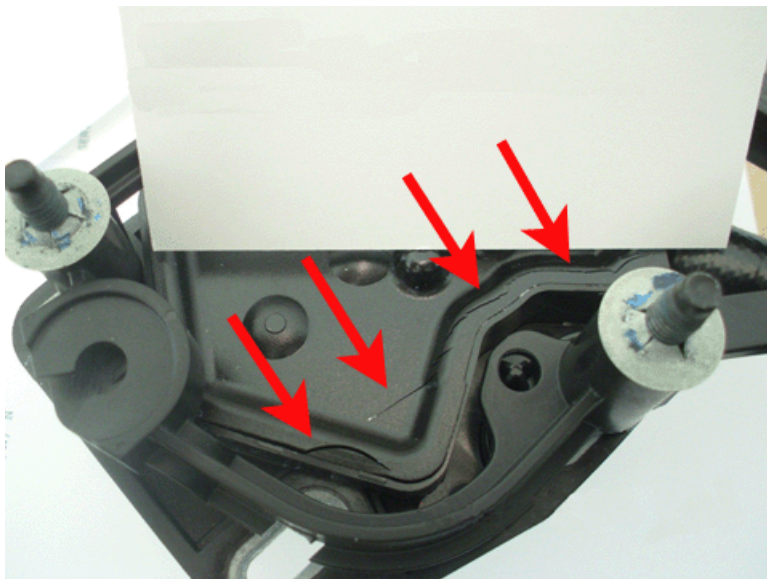
Condition/Concern

Some customers may state that they are unable to charge the hybrid battery and the " Service High Voltage Charging System " message is displayed on the Drivers Information Center. After inspection, you may notice that the vehicle has a current or history code P1EDD Or P1EDC. These codes can be set falsely if the HPCM2 believes the charging coupler has been disconnected and reconnected after a full battery charge.

Recommendation/Instructions

If you experience this concern, please use the following steps to help root cause the concern:

1. Ask the dealer technician to view the P1EDD or the P1EDC freeze frame data to confirm that the battery was full at the time the DTC set (> 83% State of Charge).
2. Confirm the vehicle will charge for 30 seconds using any EVSE (cord set).
3. Remove the charge port receptacle and inspect for cracking on the back side. An intermittent pilot signal could simulate a plug/unplug cycle. In the HPCM2 Charge History Data, you can see if the "Multiple plug-in events within 30 seconds" flag is TRUE for any of the recent charging events. Replace the charge port receptacle if cracks are observed (see photo below) with the latest charge port receptacle (See latest version of PI: PIC6015A)



4. Update the K114B HPCM 2 with the latest software in TIS-2-Web
5. If the vehicle does not charge or does not meet any of the above criteria, follow published P1EDD or P1EDC diagnostic procedure in Service Information.

Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
2810265	Hybrid Powertrain Control Module 2 Reprogramming with SPS	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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