Bulletin No.: PI0985A
Date: Jun-2013

Service Bulletin

PRELIMINARY INFORMATION

Subject: Information on High Voltage Battery Gauge Displaying Less Than Full Charge (10 Bars)

Models: 2014 Chevrolet Spark EV

This PI is being revised to update the Condition/Concern statement and to update the Recommendation/Instructions to include a Note. Please discard PI0985.

Condition/Concern

While performing the Spark EV PDI, technicians may notice that the instrument cluster high voltage battery gauge displays less than 10 bars when the charging status indicator indicates the high voltage battery is fully charged (blinking green light). This may occur at low battery temperatures (below 0°C (32°F) and when charging in cold ambient temperatures (less than 0°C (32°F) at 240 volts.

The vehicle's control system must learn the state of charge of the new battery pack. This is accomplished by fully charging the battery pack. If a new battery pack is charged for the first time when the battery is less than 0°C (32°F), the control system is unable to complete the learn process. Repeated charge attempts or a warmer battery pack are required to finish the learn process.

Recommendation/Instructions

Complete an initial full high voltage battery charge to correctly display the relearned values on the gauge using the following procedure.

Note: To increase the charge capability of the HV battery, move the vehicle to a warmer area.

1. Plug-in and charge vehicle using 240 volt charging station for a minimum of 12 hours.
2. Turn the vehicle on (ready light is green on instrument cluster).
3. Count the number of green bars on cluster battery gauge. Does the cluster battery gauge display 10 of 10 bars?
   - If yes, vehicle is ready for customer.
   - If no, proceed to step 4.
4. Plug-in and charge using portable charge cord (in trunk) for a minimum of 6 hours.
5. Turn the vehicle on (ready light is green on instrument cluster).
6. Count the number of green bars on cluster battery gauge. Does the cluster battery gauge display 10 of 10 bars?
   - If yes, vehicle is ready for customer.
   - If no, proceed to step 7.
7. Move vehicle inside to a warm area. Plug-in and charge using portable charge cord (in trunk) for a minimum of 3 hours.
8. Turn the vehicle on (ready light is green on instrument cluster).
9. Count the number of green bars on cluster battery gauge. Does the cluster battery gauge displays 10 of 10 bars?
   - If yes, vehicle is ready for customer.
   - If no, repeat steps 7–9.

Important: The time required to charge the battery pack is included in the PDI base time. No additional warranty time should be submitted for this.

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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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