

# Customer Satisfaction Program

## 17059 Range Estimation Incorrect



Reference Number: N162059690

Release Date: August 2017  
Revision: 00

**Attention:** This program is in effect until August 31, 2019.

Make	Model	Model Year		RPO	Description
		From	To		
Chevrolet	Spark EV	2014	2016		

Involved vehicles are marked "open" on the Investigate Vehicle History screen in GM Global Warranty Management system. This site should always be checked to confirm vehicle involvement prior to beginning any required inspections and/or repairs.

<b>Condition</b>	Certain 2014-2016 model year Chevrolet Spark EV vehicles, may have a condition in which an artificially high EV range is displayed to the driver due to high voltage battery state estimation (BSE) errors. The driver may notice erratic behavior from the battery gauge, and a significant drop in the gauge range after parking the vehicle for a few hours.
<b>Correction</b>	Reprogram the hybrid powertrain control module 2.

### Parts

No parts are required for this repair.

### Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9102915 *	Hybrid Powertrain Control Module 2 Reprogramming with SPS	0.5	ZFAT	N/A
9103184 **	Module Programming Not Required	0.2	ZFAT	N/A
9103319	Customer Reimbursement Approved - For USA and Canada dealers only	N/A	ZFAT	***
9103320	Customer Reimbursement Denied – For USA dealers only	N/A	ZFAT	****

\* To avoid warranty transaction rejections, the SPS Warranty Claim Code must be entered when submitting this transaction.

\*\* SPS Warranty Claim Code is NOT required when submitting this transaction.

\*\*\* For USA and Canada: Submit the dollar amount reimbursed to the customer in Net/Reimbursement. Submit \$20.00 administrative allowance in Net/Admin Allowance.

\*\*\*\* Submit \$10.00 administrative allowance in Net/Admin Allowance.

### Service Procedure

**Note:** Carefully read and follow the instructions below.

- DO NOT attempt to order the calibration number from GM Customer Care and Aftersales. The calibration numbers required for this service procedure are programmed into control modules via a Multiple Diagnostic Interface (MDI) with the calibration update. If you cannot access the calibration, call the Techline Customer Support Center and it will be provided.
- DO NOT program a control module unless directed to by a service procedure or a service bulletin. If the control module is not properly configured with the correct calibration software, the control module will not control all of the vehicle features properly.
- Ensure the programming tool is equipped with the latest software and is securely connected to the data link connector. If there is an interruption during programming, programming failure or control module damage may occur.
- Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. When required install the *EL-49642* SPS Programming Support Tool to maintain system voltage. If not available, connect a fully charged 12 V jumper or booster pack disconnected from the AC voltage supply. DO NOT connect a battery charger.
- Turn OFF or disable systems that may put a load on the vehicles battery such as; interior lights, exterior lights (including daytime running lights), HVAC, radio, etc.

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- During the programming procedure, follow the SPS prompts for the correct ignition switch position.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.
- Refer to *Hybrid Powertrain Control Module 2 Programming and Setup* for additional information on programming.

**Note:** If the Same Calibration/Software Warning is noted on the SPS Controller screen, do NOT attempt to program the module. No further action is required. Refer to the Warranty section of the bulletin and use labor operation code 9103184, Module Programming Not Required.

1. Install *EL-49642* SPS programming support tool.
2. Access the Service Programming System (SPS) and follow the on-screen instructions.

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3. When building the vehicle, make sure to select Chevrolet (GM Korea) as the Salesmake and SPARK (M-350) as the Car Line.
4. On the SPS Supported Controllers screen, select Hybrid Powertrain Control Module 2 - Programming and follow the on-screen instructions.
5. At the end of programming, choose the "Clear All DTCs".
6. Record SPS Warranty Claim Code on job card for warranty transaction submission.

### Dealer Responsibility

All new, used, GM Certified Used, courtesy transportation vehicles, dealer shuttle vehicles, etc. in dealers' possession and subject to this program must be held and inspected/repared per the service procedure of this bulletin before customers take possession of these vehicles. Involved vehicles must be held and not delivered to customers, dealer-traded, released to auction, used for demonstration, or any other purpose.

All GM Certified Used vehicles currently in the dealers' inventory within the Certified Pre-Owned Inventory System (CPOIS) will be de-certified and must be held and remedied per the service procedure in this bulletin. Upon submitting an accepted/paid warranty transaction in the Global Warranty Management (GWM) system, the vehicle can be re-certified for sale within the CPOIS system, or once again be used in the CTP program.

Dealers are to service all vehicles subject to this program at no charge to customers, regardless of mileage, age of vehicle, or ownership, through August 31, 2019. Customers who have recently purchased vehicles sold from your vehicle inventory, and for which there is no customer information indicated on the involved vehicle listing, are to be contacted by the dealer. Arrangements are to be made to make the required correction according to the instructions contained in this bulletin. A copy of the customer letter is provided in this bulletin for your use in contacting customers. Program follow-up cards should not be used for this purpose, since the customer may not as yet have received the notification letter.

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In summary, whenever a vehicle subject to this program enters your vehicle inventory, or is in your facility for service through August 31, 2019, you must take the steps necessary to be sure the program correction has been made before selling or releasing the vehicle.

### Dealer Reports

For dealers with involved vehicles, a listing with involved vehicles has been prepared and will be provided to U.S. and Canadian dealers through the GM GlobalConnect Recall Reports, or sent directly to export dealers. The listing may contain customer names and addresses obtained from Motor Vehicle Registration Records. The use of such motor vehicle registration data for any purpose other than follow-up necessary to complete this program is a violation of law in several states/provinces/countries. Accordingly, you are urged to limit the use of this report to the follow-up necessary to complete this program.

### Courtesy Transportation – For USA & Canada

Courtesy transportation is available for customers whose vehicles are involved in a product program and still within the warranty coverage period. See General Motors Service Policies and Procedures Manual, Sections 1.4 and 6.1.10, for courtesy transportation program details.

### Customer Notification

USA & Canada - General Motors will notify customers of this program on their vehicle (see copy of customer letter included with this bulletin).

Export - Letters will be sent to known owners of record located within areas covered by the US National Traffic and Motor Vehicle Safety Act. For owners outside these areas, dealers should notify customers using the attached sample letter.

### Customer Reimbursement

Customer requests for reimbursement of previously paid repairs to correct the condition described in this bulletin are to be submitted to the dealer prior to or by August 31, 2018. See General Motors Service Policies and Procedures Manual, Section 6.1.11 – Product Field Action Customer Reimbursement Procedure (USA & Canada) or local Policies and Procedures, for details.

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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 tools, equipment, 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 dealer for information on whether your vehicle may benefit from the information.



**We Support  
Voluntary Technician  
Certification**

# Customer Satisfaction Program

## 17059 Range Estimation Incorrect



August 2017

This notice applies to your vehicle, **VIN:** \_\_\_\_\_

Dear General Motors Customer:

We have learned that your 2014-2016 model year Chevrolet Spark EV may have a condition in which an artificially high EV range is displayed to the driver due to high voltage battery state estimation (BSE) errors. You may notice erratic behavior from the battery gauge, and a significant drop in the gauge range after parking the vehicle for a few hours.

Your satisfaction with your Chevrolet Spark EV is very important to us, so we are announcing a program to prevent this condition or, if it has occurred, to fix it.

**What We Will Do:** Your GM dealer will reprogram the hybrid powertrain control module 2. This service will be performed for you at **no charge until August 31, 2019**. After that, any applicable warranty will apply.

**What You Should Do:** To limit any possible inconvenience, we recommend that you contact your dealer as soon as possible to schedule an appointment for this repair.

**Reimbursement:** Even though you may have already had repairs for this condition, you will still need to take your vehicle to your dealer for additional repairs. If you have paid for repairs for the condition described in this letter, please complete the enclosed reimbursement form and present it to your dealer with all required documents. Working with your dealer will expedite your request, however, if this is not convenient, you may mail the completed reimbursement form and all required documents to Reimbursement Department, PO Box 33170, Detroit, MI 48232-5170. The completed form and required documents must be presented to your dealer or received by the Reimbursement Department by August 31, 2018, unless state law specifies a longer reimbursement period.

If you have any questions or concerns that your dealer is unable to resolve, please contact the appropriate Customer Assistance Center at the number listed below.

Division	Number	Text Telephones (TTY)
Chevrolet	1-800-222-1020	1-800-833-2438
Puerto Rico – English	1-800-496-9992	
Puerto Rico – Español	1-800-496-9993	
Virgin Islands	1-800-496-9994	

We sincerely regret any inconvenience or concern that this situation may cause you. We want you to know that we will do our best, throughout your ownership experience, to ensure that your Chevrolet Spark EV vehicle provides you many miles of enjoyable driving.

Terry M. Inch  
Executive Director  
Global Connected Customer Experience

Enclosure  
17059

GLOBAL SAFETY FIELD INVESTIGATIONS  
DCS4519  
URGENT - DISTRIBUTE IMMEDIATELY

Date: August 3, 2017

Subject: 17059 - Customer Satisfaction Program  
Range Estimation Incorrect

Models: 2014-2016 Chevrolet Spark EV

To: All General Motors Dealers

General Motors is releasing Customer Satisfaction Program 17059 today. The total number of U.S. vehicles involved is approximately 7,500. Please see the attached bulletin for details.

**Customer Letter Mailing**

The customer letter mailing will begin on August 16, 2017.

**Global Warranty Management (GWM)**

The Investigate Vehicle History (IVH) screen in the GWM system will be updated today, August 3, 2017. A list of involved vehicles in dealer new inventory is attached to this message. Please hold all warranty transactions until the VIN appears in IVH.

END OF MESSAGE

GLOBAL SAFETY FIELD INVESTIGATIONS