



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Spark EV (BEV) TAC Parts Restriction Program

**Models:** 2014 Chevrolet Spark EV  
All with RPO EN0

*This PI was superseded to update parts and labor information. Please discard PIC5880B.*

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

### Condition/Concern

As part of our ongoing quality improvement process, the following components will remain on restriction through the GM Technical Assistance Center (TAC).

**Note:** If the Drive Motor Battery or Drive unit is needed, refer to the latest versions of PIP5112 or PIP5131 respectively to place the order.

### Recommendation/Instructions

If diagnostics lead to the replacement of any of the components listed below, please contact TAC at Telephone Number US 1-877-446-8227 (Action Center prompt or Hybrid prompt) or Canada 1-800-263-7740 for English or 1-800-263-7960 for French.

### Parts Information

| COMPONENT CODE | PART NAME   | PART NUMBER | QTY |
|----------------|---|-------------|-----|
| A4             | HV Drive Motor Battery (Complete Pack)  | 23176402    | 1   |
| A28            | Generator Battery Control Wiring Junction Block<br>Battery Disconnect Unit (BDU)                                    | 22989598    | 1   |
| E54            | High Voltage Battery Heater   | 22989588    | 1   |
| K16            | Battery Energy Control Module (BECM)  | 22989607    | 1   |
| K17            | Electronic Brake Control Module (EBCM)  | 23154359    | 1   |
| K57            | Onboard Charge Module (OBCM) Battery Charger<br>Control Module  | 24267451    | 1   |
| K112 (A-H)     | Drive Motor Battery Interface Control Module<br>Replacement (MBB 1 - 8) Located At Sides Of<br>Each Battery Section | 22989610    | 1   |
| K112J          | Drive Motor Battery Interface Control Module 9<br>(CSM) (Current Sense Module at Front of Pack)                     | 22989621    | 1   |

|       |   |          |    |
|-------|---|----------|----|
| K114B | Hybrid Powertrain Control Module 2 (HPCM 2)   | 22985723 | 1  |
| K118  | Air Compressor Control Module (ACCM)  | 95270908 | 1  |
| S15   | Drive Motor Battery High Voltage Manual Disconnect Lever (MSD)                              | 13583086 | 1  |
| T1    | Accessory Power Module (APM) Accessory AC and DC Power Control Module                       | 24267785 | 1  |
| T6    | Hybrid Powertrain Control Module (HPCM) Drive Motor Generator Power Inverter Module (TPIM)  | 12652453 | 1  |
| T24   | AC Charger - Low Content w/o CBT (HPCC) High Voltage Battery Disconnect Control Module      | 22985451 | 1  |
| T24   | DC Fast Charger - High Content w/ CBT (HPCC) High Voltage Battery Disconnect Control Module | 23453239 | 1  |
| N/A   | Battery Cell Thermal Pad (Replaced with each Battery Section or MBB)                        | 22989585 | 2  |
| N/A   | Battery Cable Retaining Nuts  | 22989608 | 1  |
| N/A   | Fuse  | 22989589 | 1  |
| N/A   | Battery Cover Retaining Bolts   | 22989601 | 11 |
| N/A   | Brake Pressure Modulator Valve (BPMV)   | 20864952 | 1  |
| N/A   | Drive Unit (Transaxle)  | 24257888 | 1  |

## Warranty Information

For vehicles repaired under warranty using parts listed, please use the corresponding Global Labor Code:

| LABOR CODE | SERVICE PROCEDURE  | LABOR TIME               |
|------------|--|--------------------------|
| 5031030    | Drive Motor Battery Replacement and Shipping Preparation<br>**   | 3.9*                     |
| 5021500    | Battery Heater Replacement   | Use Published Labor Time |
| 5031010    | Battery Energy Control Module Replacement (BECM) **  | Use Published Labor Time |
| 5030330    | Drive Motor Battery Interface Control Module Replacement (MBB) Located on the side of each Battery Section | Use Published Labor Time |
| 5030870    | Drive Motor Battery Positive High Voltage Contactor Relay Replacement (BDU)                                | Use Published Labor Time |
| 5030330    | Drive Motor Battery Interface Control Module (CSM) (Current Sense Module at front of Battery Pack)         | Use Published Labor Time |

|            |  |                          |
|------------|--|--------------------------|
| 5030280    | Cell Battery Pad Replacement (Thermal Pad) (Replaced with each Battery Section or MBB) | Use Published Labor Time |
| 5410140    | Hybrid Powertrain Control Module 2 Replacement (HPCM 2)<br>**                          | 0.3                      |
| 4417120    | Air Conditioning Compressor Replacement (ACCM) **                                      | 2.0                      |
| 2410370    | Electronic Brake Control Module Replacement (EBCM) **                                  | 3.7                      |
| 5040210    | Drive Motor Battery Charger Replacement (OBCM) **                                      | 2.1*                     |
| 5030310    | Drive Motor Battery High Voltage Manual Disconnect Lever Replacement (MSD)             | Use Published Labor Time |
| 5010220    | Accessory DC Power Control Module Replacement (APM)                                    | 1.9*                     |
| 5010240    | Drive Motor Generator Power Inverter Module Replacement (HPCM) **                      | 1.6*                     |
| 5010230    | High Voltage Battery Disconnect Control Module Replacement (HPCC)                      | Use Published Labor Time |
| 8464670    | Transmission Replacement (Drive Unit)  | Use Published Labor Time |
| 2410170    | Brake Pressure Modulator Valve Replacement (BPMV)                                      | 3.6                      |
| *Add Time  | To Fill Cooling System   | 0.3                      |
| **Add Time | SPS Programming Required Follow Published Service Information (SI)                     | Use Published Labor 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.



WE SUPPORT VOLUNTARY TECHNICIAN CERTIFICATION