

	GROUP	MODEL
	Voluntary Service Campaign	2015-2017MY Soul EV (PS EV)
	NUMBER	DATE
	SC310A	May 2024
VOLUNTARY SERVICE CAMPAIGN		
SUBJECT: BMS SOFTWARE UPGRADE (SC310A)		

This bulletin provides information to update the BMS with new software on certain 2015-2017MY Soul EV (PS (EV) vehicles manufactured in the dates listed below, which have an older software ROM ID version installed completed under TSB ELE310. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

For the affected 2015-2017 MY SOUL EV vehicles manufactured from July 15, 2014 through June 30, 2017 and have completed TSB ELE310.



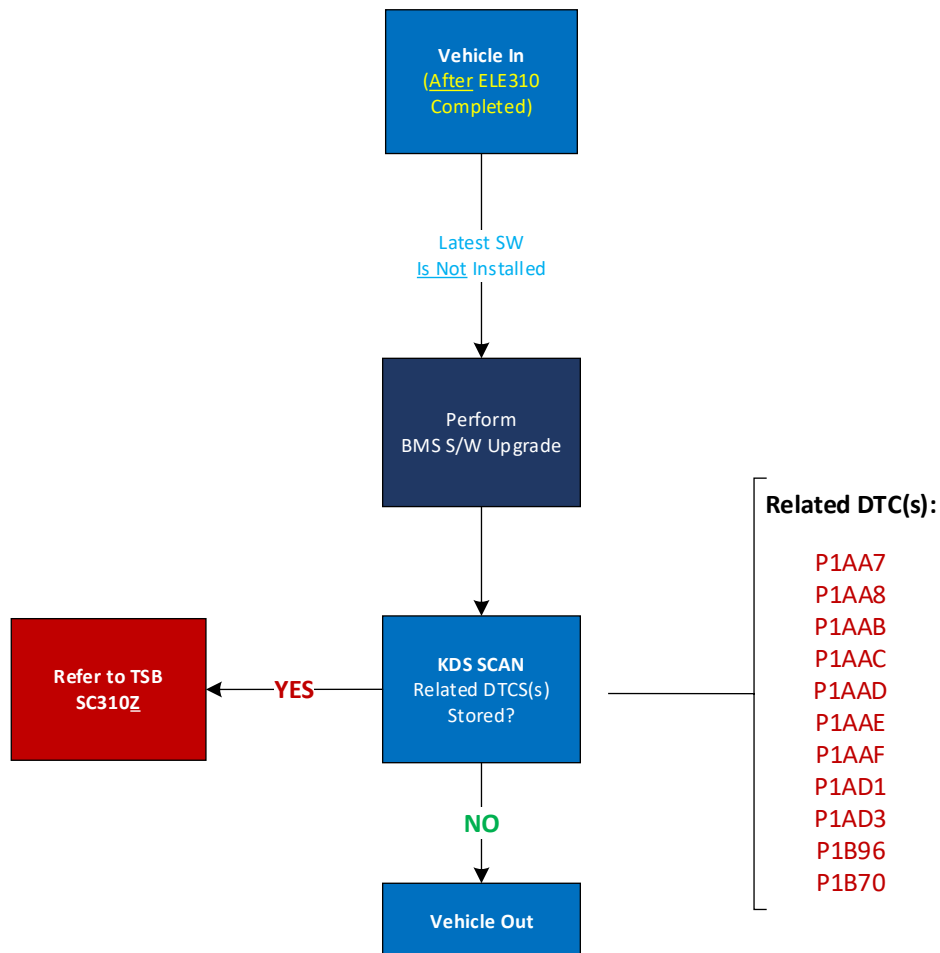
NOTICE

There is no charge to the vehicle owner for this repair.

Repair status for a VIN is provided on KDealer+ (Service → Warranty Coverage → Warranty Coverage Inquiry → Campaign Information). Not completed Recall / Service Action reports are available on KDealer+ (Consumer Affairs → Not Completed Recall → Recall VIN → Select Report), which includes a list of affected vehicles.

Flowchart:

Applicable for 'Vehicle IN' with old BMS software requiring the latest software update (**non-SC267 VIN population**). If a related DTC(s) is stored after completing the installation of this new software, claim the Op Code provided in this TSB to close this Voluntary Service Campaign 'Vehicle 'OUT', and (if applicable) refer to SC310Z for a Subsequent Repair.



SUBJECT:

BMS SOFTWARE UPGRADE (SC310B)

ECU Upgrade Procedure:

To correct this condition, the ECU should be reprogrammed using the KDS download, as described in TSB [SST081](#).

Upgrade Event Name
*728. 15-17MY PS EV BMS Diagnostic Logic Enhancement Touch - 3 rd

***Note:** Event #728 for 15-17MY PS EV will not appear in the upgrade events list as it needs to be performed in 'Manual Mode' only after BMS replacement.

 NOTICE

- Confirm a fully charged battery (12.3 volts or higher is necessary) is used or utilize a fully charged jump starter box connected to the battery.
- **Ensure the KDS GDS is sufficiently charged at 60% or higher prior to reflash.**
- All ECU upgrades must be performed with the ignition set to the 'ON' position unless otherwise stated.
- **Damaged VCI II units should not be used and promptly replaced.**
- Be careful not to disconnect the VCI-II connected to the vehicle during the ECU upgrade procedure.
- **DO NOT start the engine during ECU upgrade.**
- DO NOT turn the ignition key 'OFF' or interrupt the power supply during ECU upgrade.
- **When the ECU upgrade is completed, turn the ignition 'OFF' and wait 10 seconds before starting the engine.**
- ONLY use approved ECU upgrade software designated for the correct application.

 IMPORTANT

It is recommended to ALWAYS check the Electronic Parts Catalog (EPC) to locate the ECU Part Number respective to Auto/Manual Mode ROM IDs. DO NOT reference the parts label affixed to the ECU.

 NOTICE

If a 'Communication Fail' error notice appears or the upgrade cannot be performed, DO NOT disconnect the KDS/VCI-II. Contact GIT America Help Desk at (888) 542-4371 or Techline.

 NOTICE

Before attempting an ECU upgrade on any Kia model, make sure to first determine whether the applicable model is equipped with an immobilizer  (IMMO) security system. Failure to follow proper procedures may cause the PCM to become inoperative after the upgrade and any claims associated with this repair may be subject to chargeback.

SUBJECT:

BMS SOFTWARE UPGRADE (SC310A)**ROM ID INFORMATION TABLE:**

Upgrade Event #728 (15-17MY)

Model	SYSTEM	IMMO		ECU P/No.	ROM ID	
					Previous	New
PS EV 15-17MY*	BMS	Yes		37513 E4251	4604 4704	4804 4904/24 4944*
				37513 E4201	4606 4706	4806 4906/26 4946*

Note: *Perform Event #728 in 'Manual Mode' only.

To verify the vehicle is affected, be sure to check the Calibration Identification of the vehicle's ECM ROM ID and reference the Information Table as necessary.

Refer to [TSB SST081](#) for instructions to upgrade the 'BMS' system:

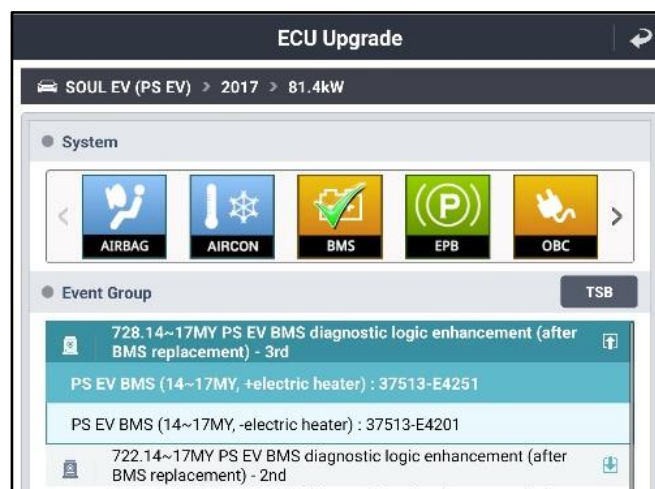
UPGRADE EVENT:

Note: Event #728 for 15-17MY PS EV will not appear in the upgrade events list as it needs to be performed in 'Manual Mode' only.

Confirm if 'Heated' or 'Non-Heated' type.

NOTICE

Prior to performing the ECU upgrade, be sure to check that the KDS is fully charged.

**Manual Mode ECU Upgrade Passwords**

Menu	Password
PS EV BMS (15~17MY, +electric heater): 37513-E4251	4251
PS EV BMS (15~17MY, -electric heater): 37513-E4201	4201

Note: *Perform Event #728 in 'Manual Mode' only.

SUBJECT:

BMS SOFTWARE UPGRADE (SC310B)**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
15-17MY Soul EV (PS EV)	July 15, 2014 to June 30, 2017

REQUIRED TOOL:

Tool Name	Figure	Comments
KDS		Kia Diagnostic System

WARRANTY INFORMATION:**N Code: N99 C Code: C99**

MY	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
15-17MY	R	37510 E4000	0	(SC310A) BMS Software Upgrade	240068R0	0.3 M/H	N/A	1

Refer to Warranty Bulletin 2024-22 for claim submission procedures.

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC310A when accessing the KDealer+ system.