



GROUP

MODEL

Subsequent Repair Action

2015-2019MY
Soul EV (PS EV)

NUMBER

DATE

SC267Z (Rev 1, 05/07/2024)

September 2023

SUBSEQUENT REPAIR ACTION

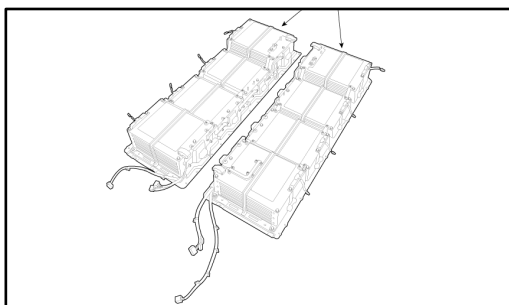
HIGH-VOLTAGE BATTERY PACK ASSEMBLY
REPLACEMENT (SC267Z)

SUBJECT:

NOTICE

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

This bulletin provides information to replace the high-voltage battery pack assembly (HV BPA) on certain 2015-2019MY Soul EV (PS EV) vehicles produced from July 15, 2014 through September 28, 2018. After completing SC267 with the latest battery management system (BMS) software upgrade, the subject vehicles may subsequently require the replacement of the HV BPA due to MIL ON with a BPA related DTC(s). Follow the procedure outlined in this publication to scan the vehicle for related DTC(s) and replace the HV BPA, if applicable. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

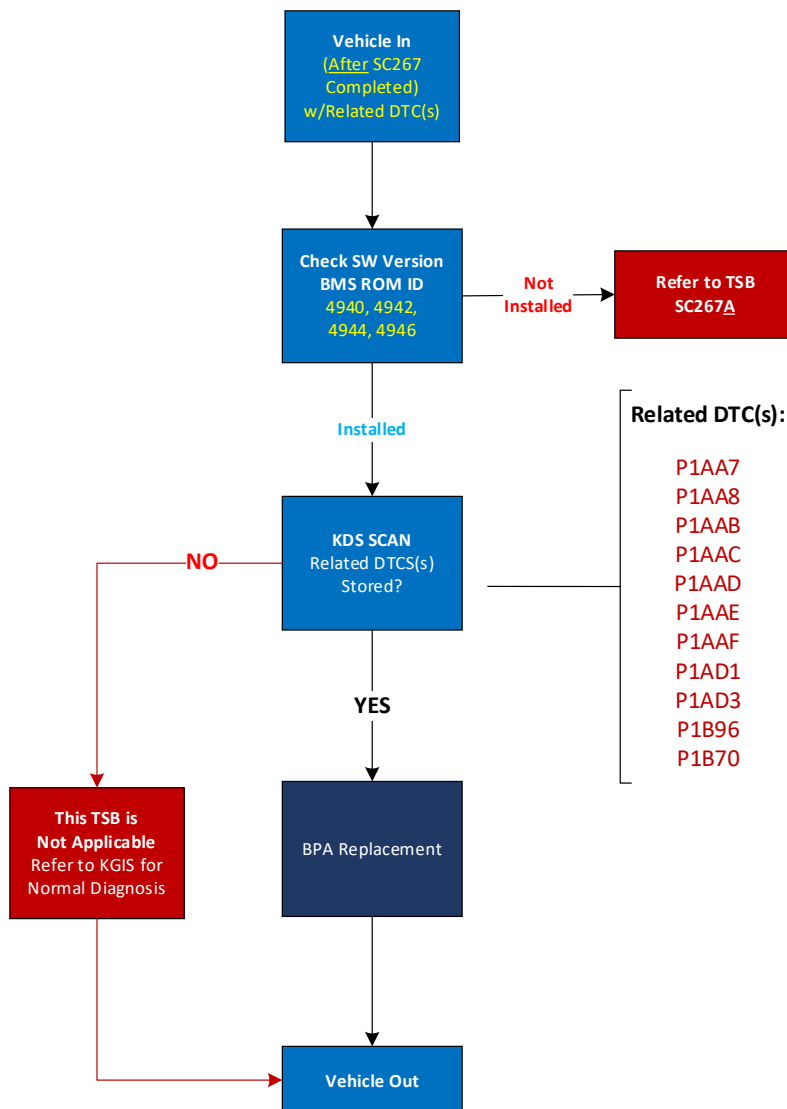


NOTICE

To assure complete customer satisfaction, always remember to refer to KDealer+ Warranty Coverage (validation) Inquiry Screen (Service → Warranty Coverage → Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

Flowchart:

This publication is only applicable on a subject vehicle that has already had SC267 completed on a previous visit which has the 'latest' BMS software. The subject vehicle must have one or more of the related DTC(s) stored listed in this publication in order to claim the BPA replacement. Any other DTC stored must be diagnosed by referring to KGIS and may not be claimed under this Subsequent Repair Campaign.

**❗ IMPORTANT**

For 2015-2017MY ONLY new BPA is equipped with a "new" type harness. There is no need to swap the removed BPA harness from a previous repair under SC267. TL PWA is required for HV BPA replacement. Dealer should follow the process included in TSB ELE044 and obtain TL PWA . Claim submission concerns **WILL** occur if the dealer does not obtain TL PWA for HV BPA replacement.

SUBJECT:

HIGH-VOLTAGE BATTERY PACK ASSEMBLY REPLACEMENT (SC267Z)**WARNING**

Be sure to read and follow the 'General Safety Information and Caution', the 'High Voltage Shut-Off Procedures' and 'High Voltage Battery Handling Guide' instructions outlined on KGIS before doing any work related with the high voltage system. Failure to follow the safety instructions may result in serious electrical injuries.

BPA Replacement Procedure:

1. Replace the HV BPA by referring to "EV Battery System → High Voltage Battery System → Battery Pack Assembly → Repair procedures (Removal)" in the applicable Shop Manual on KGIS. **Note:** Dealer must obtain TL PWA.

❗ IMPORTANT

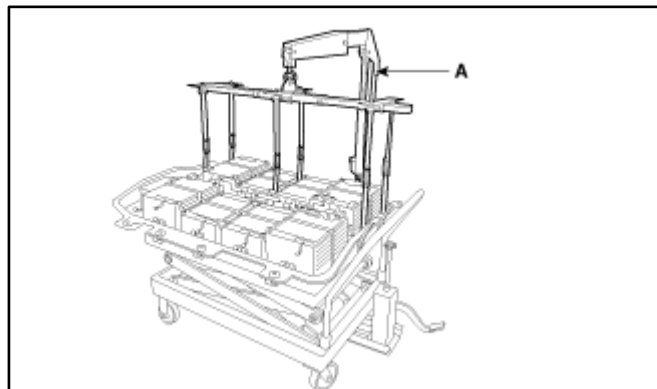
15-17MY ONLY new PN BPA is equipped with a "new" type harness. **(Rev 1) removed harness swap.**



2. **Note:** SST OK375 E4300 and crane jack are required.

📄 NOTICE

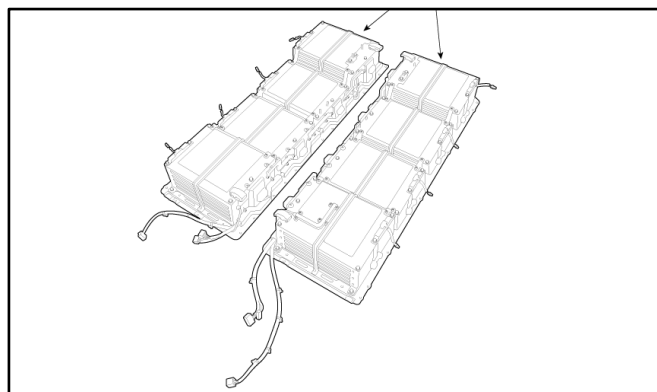
Place the removed BPA on a clean flat surface. **Dealer should follow the process included in TSB ELE044 and obtain TL PWA.**



3. **Note:** The battery pack assembly (BPA) consists of two (2) (left and right) battery packs.

❗ IMPORTANT

18-19MY ONLY new BPA is equipped with the "new" type harness. There is no need to swap.



4. Reinstall all removed parts in the reverse order of removal.
5. Clear related DTC(s) using KDS.
6. Confirm normal vehicle operation.

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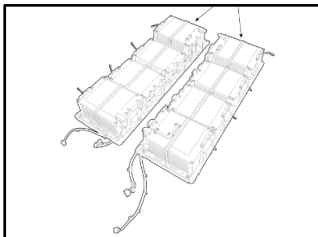
AFFECTED VEHICLE RANGE:

Model	Production Date Range
15-17MY Soul EV (PS EV)	July 15, 2014 to June 30, 2017
18-19MY Soul EV (PS EV)	July 3, 2017 to September 28, 2018

REQUIRED TOOL:

Tool Name	Part Number	Figure	Comments
BPA Lifting Jig	OK375 E4300		To be used along with an engine crane/hoist.

REQUIRED PART:

Part Name	Part Number	Figure	Qty.	Comment
HV Battery Pack Assembly (BPA)* (15-17MY) (Rev 1: BPA has been updated with a 'new' VTSWH)	37510 E4203QQKR*		1	Non-heated
	37510 E4253QQKR*			Heated
HV Battery Pack Assembly (BPA) (18-19MY)	37510 E4302QQKR		1	Non-heated
	37510 E4352QQKR			Heated

***Note:** For 15-17MY only, the 'new' BPA (left and right-side battery packs) have a 'new' type harness. If a BPA was replaced under (SC267) along with a Volt & Temperature Sensor Wire Harness (VTSWH), the 'new' BPA WILL NOT require the previously installed VTSWH on the existing BPA to be installed/swapped onto the 'new' BPA.

IMPORTANT: The parts listed below DO NOT required replacement unless damaged or lost during removal.

Case Gasket (15-19MY)	37528 E4000QQK	N/A	1	Replace <u>only</u> if damaged
Bolt & Washer for BPA	11408 06166PQQK	N/A	1	3pc. Included per pack are needed.
Nut for VTSWH	37535 E4500QQK	N/A	1	

SUBJECT: HIGH-VOLTAGE BATTERY PACK ASSEMBLY REPLACEMENT (SC267Z)
WARRANTY INFORMATION:
N Code: N99 C Code: C99

Model	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
(PS EV) 15-17MY	R	37510 E4000	0	(SC267Z) DTC Scan (Related) + BPA Replacement <u>Rev 1: (No VTSWH Swap Required with 'new' BPA)</u>	231069R2	2.8 M/H	37510 E4203QQKR or 37510 E4253QQKR	1
							37528 E4000QQK	
							11408 06166PQQK	
							37535 E4500QQK	
(PS EV) 18-19MY			0	(SC267Z) DTC Scan (Related) + BPA Replacement	231069R1	2.8	37510 E4302QQKR or 37510 E4352QQKR	1
							37528 E4000QQK	
							11408 06166PQQK	
							37535 E4500QQK	

Note: Refer to Warranty Bulletin 2023-30 for claim submission procedures. TL PWA is required for HV BPA replacement. Dealer should follow the process included in TSB ELE044 and obtain TL PWA. Claim submission concerns WILL occur if the dealer does not obtain TL PWA for HV BPA replacement.

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC267Z when accessing the KDealer+ system.

