



Technical Service Bulletin

GROUP EV SYSTEMS	NUMBER 26-EV-002H
DATE FEBRUARY 2026	MODEL(S) IONIQ 5 (NEA EV)

SUBJECT: HV BATTERY INSPECTION & REPLACEMENT

This TSB supersedes 25-EV-002H to update applicable vehicle production dates on page 1, part numbers on page 2, Op codes on page 3, and BSA replacement approval process to the latest process on page 4.

*** IMPORTANT**

This field action requires justification in the form of a customer concern, and a confirmed case for the related symptom outlined in the TSB, prior to any repair work. If justification requirements are not met, any submitted claims are subject to debit. High Voltage Coverage (EV/HEV/PHEV) applies.

Description: Some 2025MY IONIQ 5 (NEA EV) vehicles may experience a charging condition where a voltage difference between battery cells prevents the High Voltage Battery from fully charging. The two DTCs associated with this condition are:

- **P1AA700** – Hybrid/EV Battery Abnormal Performance: Cell Voltage Deviation
- **P1AD300** – Hybrid/EV Battery Abnormal Performance: MISD.

If either of the DTCs listed above are identified in "Active" status, follow the procedure outlined in this TSB to replace the Battery System Assembly (BSA).

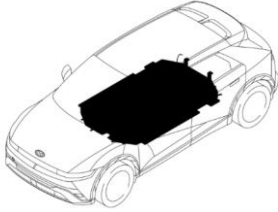
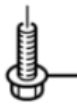

Applicable Vehicles:

Model Year	Model	Production Dates	VIN begins with
2025	IONIQ 5 (NEA EV)	12/10/2024 – 09/22/2025	7YA

NOTICE

To avoid any potential damage to IONIQ vehicles, IONIQ repairs can only be performed at IONIQ certified dealers.

Parts Information:

Model	Part Name	Part Number	Figure	Remarks
IONIQ 5 (NEA EV)	Battery System Assy (Long Range)	37501-PI020 37501-PI050 37501-PI900 37501-PI920		Qty: 1
	Battery System Assy (Short Range)	37501-PI120 37501-PI150 37501-PI820		Qty: 1
	Bolt & Washer Assy (BSA)	37535-G1050		Qty: 8
	Bolt & Washer Assy (BSA)	37535-G1500		Qty: 18
	Pink-Antifreeze / Coolant	00232-19098		Qty: 2

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
IONIQ 5 (NEA EV)	50DV03R0	Battery Inspection & Replacement	2.9 M/H	37501-PI050	W11	ZZ3
	50DV03R1			37501-PI150		
	50DV03R2			37501-PI920		
	50DV03R3			37501-PI020		
	50DV03R4			37501-PI820		

NOTE 1: Submit claim on Claim Entry Screen as "Campaign" type.

NOTE 2: This TSB contains repair validation photo(s). Op times include VIN, Mileage, and Repair validation photo (s) as outlined in the Digital Documentation Policy

NOTE 3: The incident parts are subject to callback through the normal Warranty Technical Center (WTC) parts return process. **Claim is subject to debit if the part is not returned.**

NOTE 4: If a part is found in need of replacement while performing this TSB and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work.

NOTE 5: If DTC P1AA700 and/or P1AD300 are confirmed in "active" status, a submission for a PA approval for BSA replacement is required.

NOTE 6: Dealer will be reimbursed with 2 gallons of coolant under both op codes.

Service Procedure:

DIGITAL DOCUMENTATION



This TSB includes Repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

NOTICE

Applying the recommended torque to all fasteners is essential to reduce potential issues from occurring after the service procedure.

WARNING

When working on the high voltage system, ensure to read and comply with the "**Safety Precautions, Cautions and Warnings**" section of the shop manual. Failure to comply with the safety instructions may result in serious accidents due to electric shock or leakage.

When working on the high voltage system, ensure to cut off the high voltage first per the "**High Voltage Cut-off Procedure**" section of the shop manual. Failure to comply with the safety instructions may result in serious accidents due to electric shock or leakage.

1. Use GDS to perform a **Fault Code Search** on the BMS system for **DTCs P1AA700 and P1AD300**:

- If **P1AA700** and/or **P1AD300** are active, then submit for **PA approval**.
- If **P1AA700** and **P1AD300** are **NOT** listed, proceed with the normal diagnostic process.

HYUNDAI 7YAKNDDC05Y002933 B28AAORO252503270191 03/27/25 13:31		
DTC CAUSE TO SYSTEM ERROR : P1AA700 Hybrid/EV Battery Abnormal Performance : Cell Voltage Deviation		
Sensor Name(127)	Value	Unit
State of Charge of Battery(BMS)	50.5	%
Display SOC	49.5	%
Available Charge Power	277.00	kW
Available Discharge Power	277.00	kW
BMS Main Relay ON Status	OPEN	-

2.

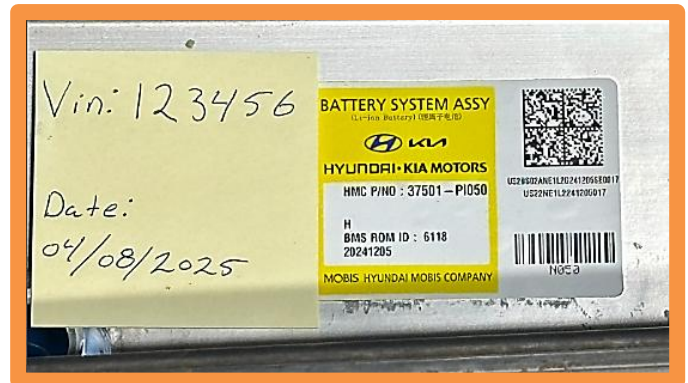
DIGITAL DOCUMENTATION



Using the STUI camera function, take a photo of the new BSA's part label.

Upload the photo to STUI.

NOTE: If the STUI camera function is **NOT** used, write the last 6 digits of the VIN and date of repair on a piece of paper to include in the photo.



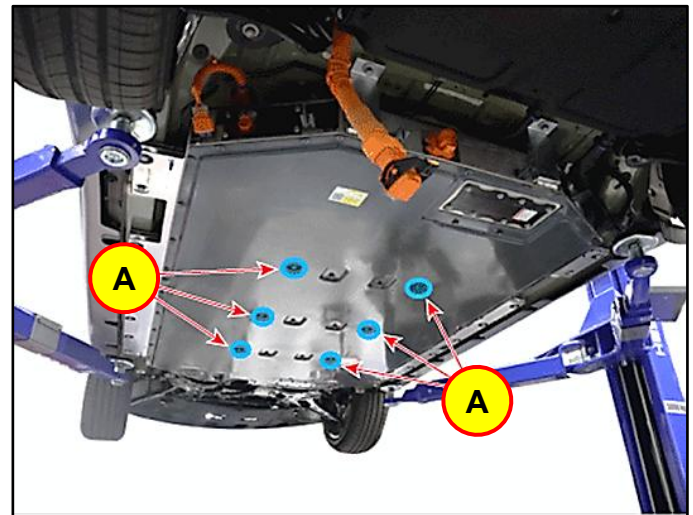
3. Replace the BSA (A) by referring to the shop manual:

- **Battery Control System > High Voltage Battery System > Battery System Assembly (BSA) > Removal / Installation**

NOTICE

Ensure the one-time bolts are replaced per the shop manual procedures.

Applying the recommended torque to all fasteners is essential to reduce potential issues from occurring after the service procedure.



4. The service procedure is now complete.