



HYUNDAI

Technical Service Bulletin

GROUP EV SYSTEM	NUMBER 26-EV-006H
DATE AUGUST 2026	MODEL(S) IONIQ 9 (ME1A EV)

SUBJECT: LIMITED CHARGING - BATTERY SYSTEM ASSEMBLY (BSA)
REPLACEMENT - DTC P0AA600, P1AA800

* IMPORTANT

This field action requires both a reported condition consistent with the symptoms outlined in this TSB and dealer confirmation of those symptoms before any repair work is performed. If requirements are not met, any submitted claims are subject to debit. 10/100,000 High Voltage Warranty applies for original and subsequent owners. See Warranty Information section for more details.

Description: Some IONIQ 9 (ME1A EV) vehicles may illuminate a MIL warning light with DTC P0AA600 and/or P1AA800 with limited charging capabilities. This bulletin provides instructions to replace the Battery System Assembly (BSA) if necessary.

DTC Information:

DTC	Description
P0AA600	Hybrid/EV Battery Voltage System Isolation Fault
P1AA800	Hybrid/EV Battery Abnormal Performance: Isolation Fault

NOTE: DTC P0AA600 or P1AA800 **MUST** be **ACTIVE**.

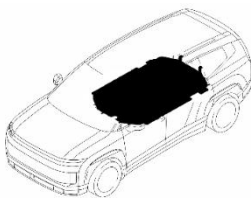
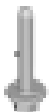
Applicable Vehicles:

Model Year	Model	Production Dates
2026	IONIQ 9 (ME1A EV)	02/28/2025 – 07/18/2025

NOTICE

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

Parts Information:

Model	Part Name	Part Number	Figure	Remarks
IONIQ 9 (ME1A EV)	Battery System Assy	37501-TD840		Qty: 1
	Bolt & Washer Assy	37535-GI050		Qty: 8
	Bolt & Washer Assy	37535-GI500		Qty: 20
	Bolt & Washer Assy	37535-GO100		Qty: 4
	Pink Antifreeze Coolant	00232-19098		2 gallons

SST Information:

Tool Name	Tool Number	Figure	Ordering Information
VCI 3	G0VHNNN06		Website: https://hyundaiesentialtools.com/ Email: Hyundaitools@snapon.com Phone: 1-855-763-9199 Hours: 7 AM – 7 PM CST
VCI 2	G1XDDMN001		
Battery Guide Pins	09375-BF000		

NOTE: VCI 2 can **NO** longer be ordered but can be used for this TSB.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
IONIQ 9 (ME1A EV)	50DV23R0	BSA Replacement	2.9 M/H	37501-TD840	W11	ZZ3

NOTE 1: Submit a campaign claim on the “Claim Entry/Edit/Submit” screen on WebDCS and attach all required Digital Documentation per TSB to the claim.

NOTE 2: 10 /100,000 High Voltage Warranty for original owners and is transferable to subsequent owners, apply to the part(s) and repair procedure(s) outlined in this TSB. Prior to beginning any repair work, ensure that the part(s) associated with the repair procedure are within the applicable warranty, observing mileage and Warranty Start Date or date of first use. If the subject part(s) are out of warranty coverage, the dealer may submit a PA Request for goodwill consideration on a case-by-case basis.

NOTE 3: Follow the standard core return process for all Battery System Assembly (BSA) replacements using TSB 26-EV-005 or latest version.

NOTE 4: This TSB includes repair justification in the form of a captured screenshot confirming an out-of-specification insulation resistance value. To ensure adherence to the Digital Documentation Policy before claim submission, DTC history can be reviewed via the e-Report function within the GDS. Additionally, required photos include a capture of the new High Voltage Battery Label.

NOTE 5: If any part(s) not subject to this TSB are found in need of replacement while performing the repair procedure, and the affected part(s) are still under warranty, the dealer may submit a separate claim using the same repair order. If the part(s) not subject to this TSB are out of warranty coverage, the dealer has the option to submit a PA Request for goodwill consideration on a case-by-case basis.

NOTE 6: Dealer will be reimbursed with 2 gallons of coolant under op code 50DV23R0.

Service Procedure:**DIGITAL DOCUMENTATION**

This TSB includes repair justification 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

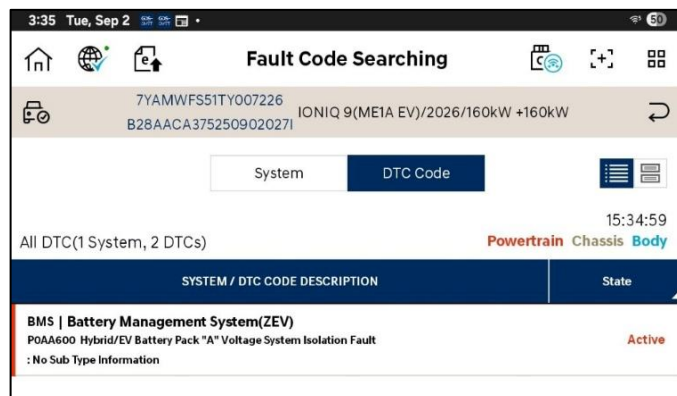
For the safety of workers, inspecting or removing the main fuse through the service cover under the high voltage battery pack is prohibited.

Review and follow the “**Safety and Precautions**” before doing any work related to the high voltage system. Failure to follow the safety instructions may result in serious electrical injuries.

Review and follow the “**High Voltage Shut-off Procedures**” before doing any work related to the high voltage system. Failure to follow the safety instructions may result in serious electrical injuries

1. Using the GDS tablet, scan for active DTCs.

- If DTCs **P0AA600** or **P1AA800** are detected and in “Active” status, then proceed to **step 2**.
- If DTCs **P0AA600** or **P1AA800** are **NOT** detected, then this TSB does not apply. Follow the normal diagnostic process.



2. Using GDS, perform the “**Inspection of insulation resistance of high voltage parts in EV**” under S/W Management within BMS.
 - If the insulation resistance is under **1000 kΩ**, then proceed to **step 3**.
 - If the insulation resistance is **NOT** under **1000 kΩ**, then the service procedure is now complete. Follow the normal diagnostic process for **P0AA600/P1AA800** by referring to DTC guide to determine the faulty component.



Information

The insulation resistance value displayed in the GDS is in kilo-ohms(kΩ). Ensure evaluations are performed with this unit in mind to guarantee accurate determination.

3.

DIGITAL DOCUMENTATION



Using the tablet or GDS screen capture function, take a screenshot of insulation resistance value for High Voltage Battery.

Upload the photo to STUI.

NOTE: The VIN/Date/Time/Mileage photo imprint is **NOT** required for GDS screenshots.

The screenshot shows the 'S/W Management' screen with the title '7YAMTFS34TY002741 IONIQ 9(ME1A EV)/2026/70kW +160kW'. The main heading is '[Inspection of insulation resistance of high voltage parts in EV]'. Below this, it says '1. High Voltage Battery Part : Test with IG ON state' and 'Measure the insulation resistance value for the set time.' A progress bar shows 4000 kΩ and 0 kΩ. A table lists inspection items with their maximum and minimum values. The 'High Voltage Battery' row is highlighted with a red dashed box, showing a maximum value of 659 and a minimum value of 648, with the result 'Inspection Complete'. Other items listed are High Voltage Input, A/C Comp, PTC, and 3-Phase Motor. At the bottom, it states 'Maximum Value : 659 kΩ Minimum Value : 648 kΩ' and 'Insulation resistance value measured low. The next step of inspection may also result in low insulation resistance value due to the effect of the high voltage battery.' It also provides instructions: '1) Press the [Exit] button for repair of the high voltage battery and exit the inspection. 2) Press the [OK] button to proceed with the next step.'

Inspection Item	Maximum Value	Minimum Value	Result
High Voltage Battery	659	648	Inspection Complete
High Voltage Input			
A/C Comp			
PTC			
3-Phase Motor			

Maximum Value : 659 kΩ Minimum Value : 648 kΩ
 Insulation resistance value measured low.
 The next step of inspection may also result in low insulation resistance value due to the effect of the high voltage battery.
 1) Press the [Exit] button for repair of the high voltage battery and exit the inspection.
 2) Press the [OK] button to proceed with the next step

4. Submit a PA request before ordering a BSA.

Once the replacement BSA arrives, then proceed to **step 5**.

5. Replace the High Voltage Battery by referring to the shop manual:
 - **Battery Control System > High Voltage Battery System > Battery System Assembly (BSA) > Removal and Installation**

6.

DIGITAL DOCUMENTATION



Using the STUI camera function, take a photo of the new High Voltage Battery 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.



7. Reinstall new high voltage battery in the reverse order of the removal process.



Information

Follow the standard core return process for all BSA replacements by referring to **TSB 26-EV-005H** or the latest version.

8. Use the diagnostic tool to clear all DTCs after the repair.
9. Place vehicle in **READY** mode and ensure proper operation.
10. The service procedure is now complete.