



Technical Service Bulletin

GROUP

CAMPAIGN

NUMBER

25-01-035H

DATE

MAY 2025

MODEL(S)

IONIQ 9 (ME1A EV)

SUBJECT:

**SBW-SCU SOFTWARE UPDATE - DTC C138201
(SERVICE CAMPAIGN TDN)**

★ IMPORTANT

Dealers must perform this service campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the "Vehicle Information" screen via WebDCS to identify open campaigns.

Description: Certain 2026MY IONIQ 9 (ME1A EV) vehicles may have DTC C138201 (Lever Hall Sensor Fault) set in the Electronic Shift Control System which could prevent the vehicle from being shifted out of the "Park" position. This system is also known as Shift-by-Wire Shift Control Unit (SBW-SCU). Follow the procedure in this TSB to update the Shift-by-Wire (SBW) software logic.

Applicable Vehicles (Certain):

- 2026MY IONIQ 9 (ME1A EV) produced from 03/03/2025 - 05/22/2025

NOTICE

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

SST Information:

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

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

GDS Information:

System	Event Number*	Description
E-Shifter	1286	ME1A SBW LOGIC IMPROVEMENT

(*or use a later available event listed in the GDS **E-Shifter** update screen if one is available.)

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
IONIQ 9 (ME1A EV)	50DV11I0	SBW Software Update	0.3 M/H	467W0- TD100NNB	I14	ZZ3

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

NOTE 2: If a part is found in need of replacement while performing this campaign 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 3: Op times include VIN, mileage, and photo capture of the “ECU update complete” screen as outlined in the Digital Documentation Policy.

ROM ID Information:

Model	Event	System	ECU Part Number	ROM ID	
				Current	Latest
IONIQ 9 (ME1A EV)	1286	E-Shifter	467W0-TD100	1.00	1.01

Service Procedure:

DIGITAL DOCUMENTATION

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

NOTICE

You must initially perform the GDS ECU update in Auto Mode.

- If the ECU update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

NOTICE

Ensure the vehicle's battery charge is **above 11.0 Volts** and the tablet's battery charge is **above 30%** before performing a software update to avoid the update from failing.

**Information**

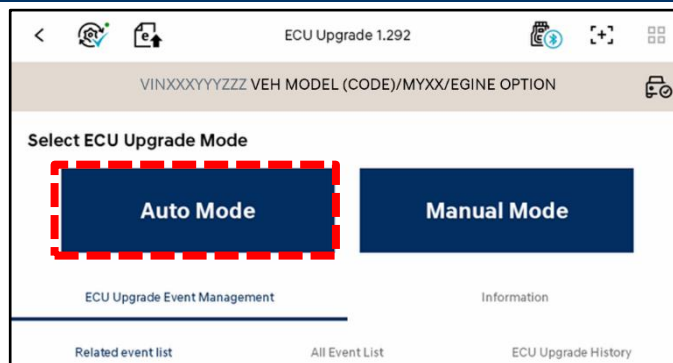
- Turn **OFF** all lamps (do **NOT** leave head lamp switch in auto mode) and all accessories.
- Perform update with the ignition switch in the **ON** position.
- Do **NOT** disconnect any cables connected to the vehicle or scan tool during update.
- Do **NOT** place in **Ready** mode during update.
- Do **NOT** turn **OFF** the ignition switch during update.

ECU Update Procedure

1. Perform the ECU update in **Auto Mode**.

i **Information**

Refer to **TSB # 25-GI-011H**, “**ECU Update Procedure for Tablet-Based GDS-Smart**”, for additional information.



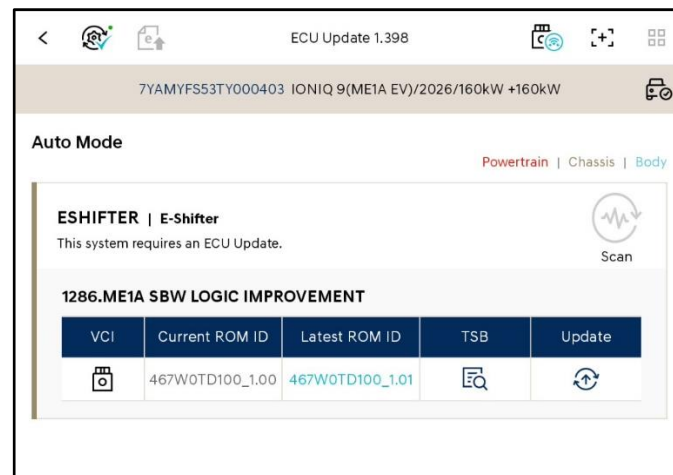
2. Verify the ROM ID by selecting the **E-Shifter** system to scan the vehicle's current ROM ID.

NOTICE

Check the current ROM ID version and compare it to the ROM ID Information table before attempting to perform the software update.

NOTICE

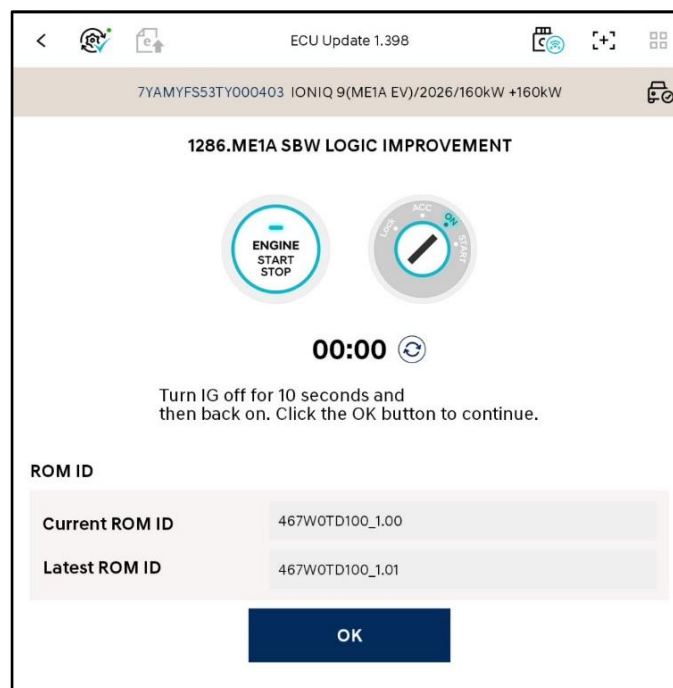
If the update fails, remove the power connector from the in-cabin fuse box for at least **5 seconds**. Reassemble and retry the update.



3. After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to **30 seconds**).

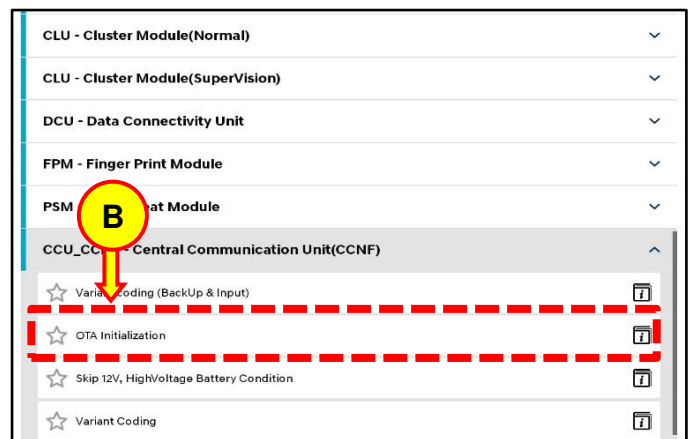
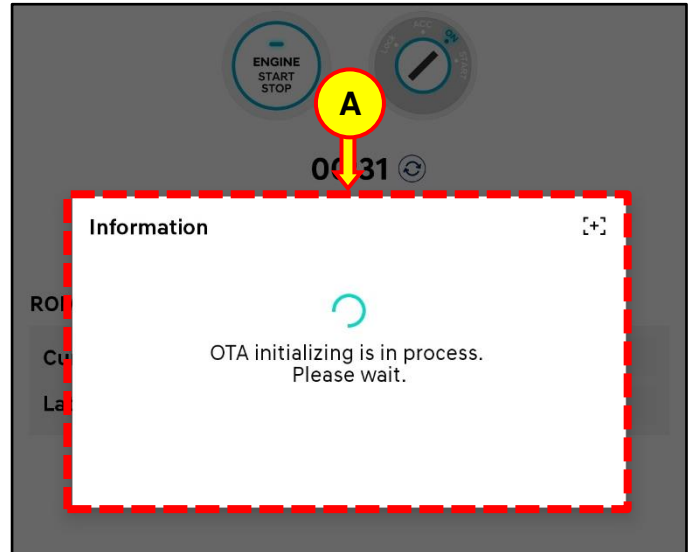
i **Information**

Use the **Refresh** button to reset the timer.



4. OTA initialization (A) should perform automatically:
 - If OTA initialization performs automatically, then proceed with the service procedure.
 - If the OTA initialization process fails, complete it manually under:
S/W Management > CCU_CCNF - Central Communication Unit (CCNF) > OTA Initialization (B).

Follow the instructions on the screen.

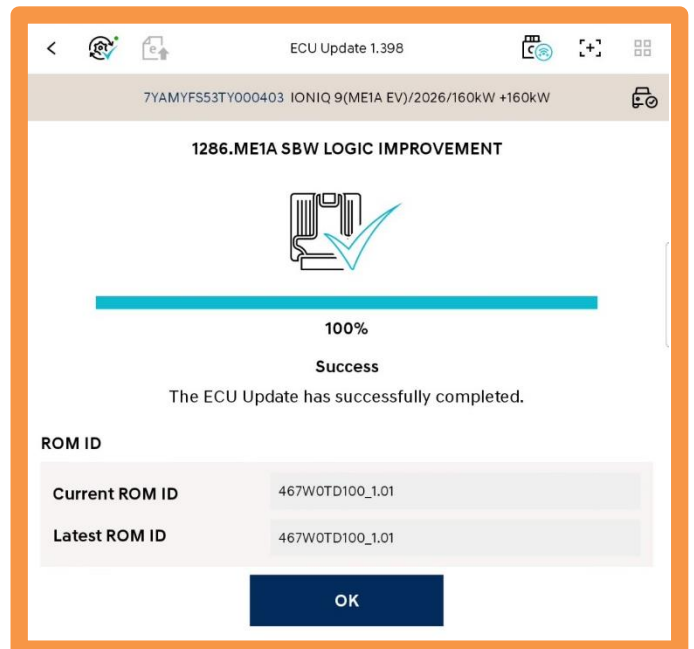


5.

**DIGITAL
DOCUMENTATION**



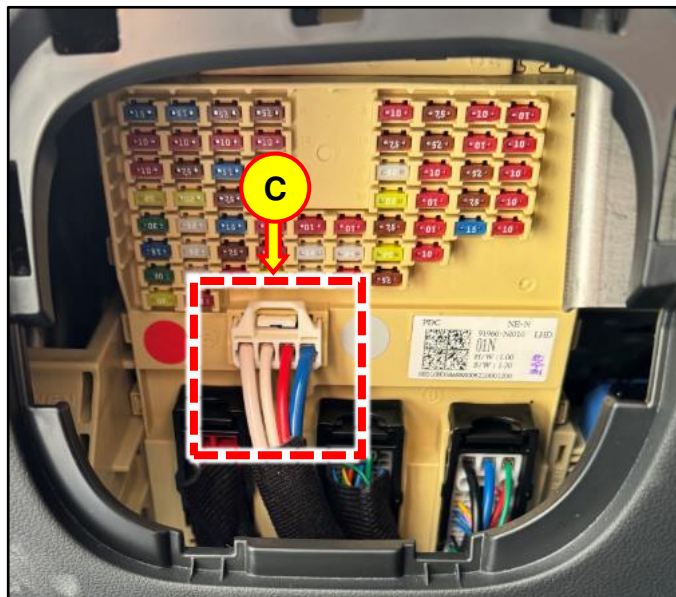
Take a screenshot of the ECU update complete screen using your tablet and upload to STUI.



6. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.



7. Remove the power connector (C) from the in-cabin fuse box for at least **5 seconds**, then reconnect it.



8. Place vehicle in **Ready** mode to confirm proper operation of the vehicle.

NOTICE

If the ECU update fails in Auto Mode, perform the update in Manual Mode using the password(s) below.

Manual Mode Password:

Event	ECM Menu	Password
1286	ME1A SBW 467W0-TD100	1728