



HYUNDAI

Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 24-01-088H
DATE NOVEMBER 2024	MODEL(S) IONIQ 5 (NE EV) IONIQ 6 (CE EV)

SUBJECT: SOFTWARE UPDATE FOR VCU LIMP HOME ENHANCEMENT
(SERVICE CAMPAIGN TCP)

* 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 2022-2024MY IONIQ 5 (NE EV) and 2023-2025MY IONIQ 6 (CE EV) vehicles may exhibit a condition while driving where the 12V battery voltage drops below the operational voltage and the Vehicle Control Unit (VCU) places the vehicle in “fail-safe” mode. The VCU software in this bulletin updates the maximum vehicle speeds for various levels of 12V battery voltage when the vehicle enters “fail-safe” mode.

Applicable Vehicles (Certain):

- 2022–2024MY IONIQ 5 (NE EV) produced from 10/04/2021 – 10/28/2024
- 2023-2025MY IONIQ 6 (CE EV) produced from 12/14/2022 – 11/12/2024

NOTICE

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

GDS Information:

System	Model	Event #	Description
VCU	IONIQ 5 (NE EV)	1165*	NE EV VCU LIMP HOME ENHANCEMENT
	IONIQ 6 (CE EV)	1194*	CE EV VCU LIMP HOME ENHANCEMENT

(*or use a later available event as listed in the GDS **VCU** Update screen if one is available.)

Warranty Information:

Model	Op. Code	Operation	Op. Time	Casual Part	Nature Code	Cause Code
IONIQ 5 (NE EV)	40D229R0	VCU Software Update	0.7 M/H	39751-1XNN1 (IONIQ 5)	I11	ZZ3
IONIQ 6 (CE EV)				39751-1XEN1 (IONIQ 6)		

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	VCU Part Number	ROM ID	
				Old	New
IONIQ 5 (NE EV)	1165	VCU	39751-1XNN1	NE1A-N0-S07-V300	NE1A-N0-SB9-V400
				NE1A-N0-SB0-V400	
				NE1A-N0-SB1-V400	
				NE1A-N0-SD2-V400	
				NE1A-N0-SB2-V400	
				NE1A-N0-SB3-V400	
				NE1A-N0-SB4-V400	
				NE1A-N0-SB5-V400	
				NE1A-N0-SB6-V400	
				NE1A-N0-SB7-V400	
			NE1A-N0-SB8-V400		
			39751-1XNN4	NE1A-N2-S17-V300	NE1A-N0-KB9-V200
				NE1A-N0-KB0-V200	
				NE1A-N0-KB1-V200	
				NE1A-N0-KD2-V200	
				NE1A-N0-KB2-V200	
				NE1A-N0-KB3-V200	
				NE1A-N0-KB4-V200	
				NE1A-N0-KB5-V200	
NE1A-N0-KB6-V200					
NE1A-N0-KB7-V200					
NE1A-N0-KB8-V200					
IONIQ 6 (CE EV)	1194		39751-1XEN1	397511XEN1_NS00	397511XEN1_NS02
				397511XEN1_NS01	
			39751-1XEN2	397511XEN2_NK00	397511XEN2_NK02
				397511XEN2_NK01	

Service Procedure:

STUI



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

NOTICE

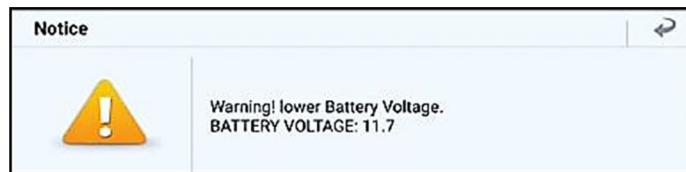
You must initially perform the GDS ECU update in Auto Mode.

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

NOTICE

GDS Vehicle Battery Low Voltage Warning:

If voltage is below 12 Volts per the GDS warning, then select **Back** and attach a battery charger to ensure an adequate battery charge for reliable update results. Turn ignition back **ON**, and then retry the ECU update again.



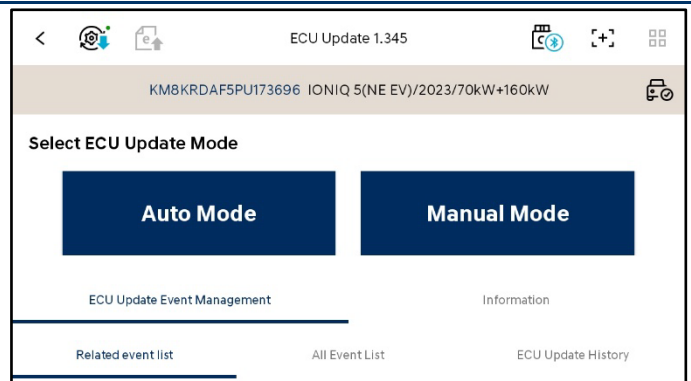
ECU Update Procedure

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

Use the **ID Check** to verify the ROM ID before updating the software.

Information

Refer to **TSB # 24-GI-012H**, “ECU Update Procedure for Tablet-Based GDS-Smart”, for additional information.



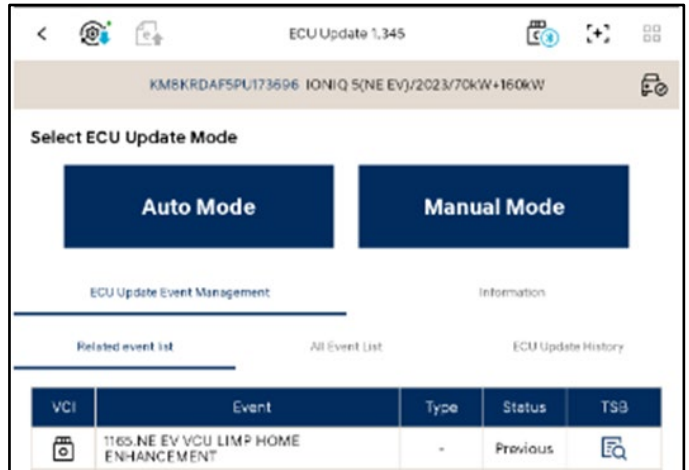
2. Select the **VCU** system to scan the vehicle's current ROM ID.

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, please remove the power connector or the battery (-) connector from the indoor fuse box for at least 5 seconds and reassemble it to retry the update.

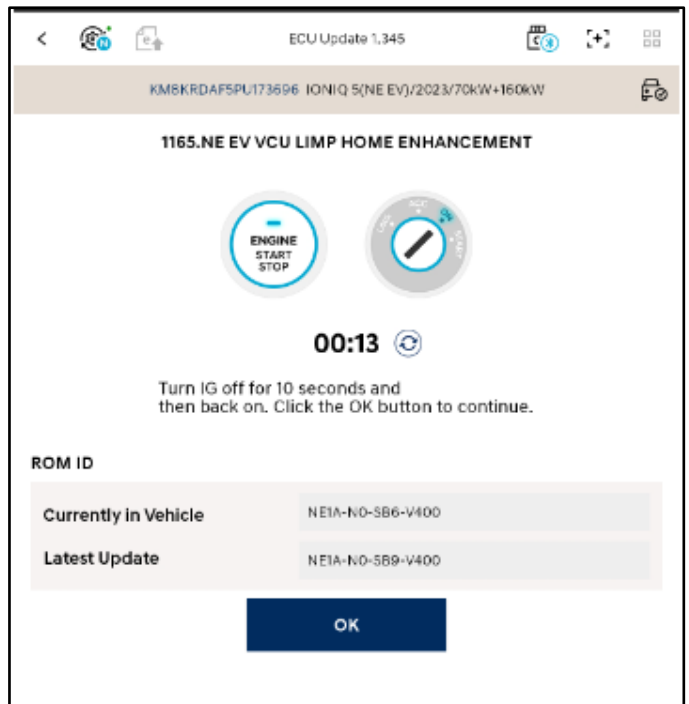


3. After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to **30 seconds**).



Information

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

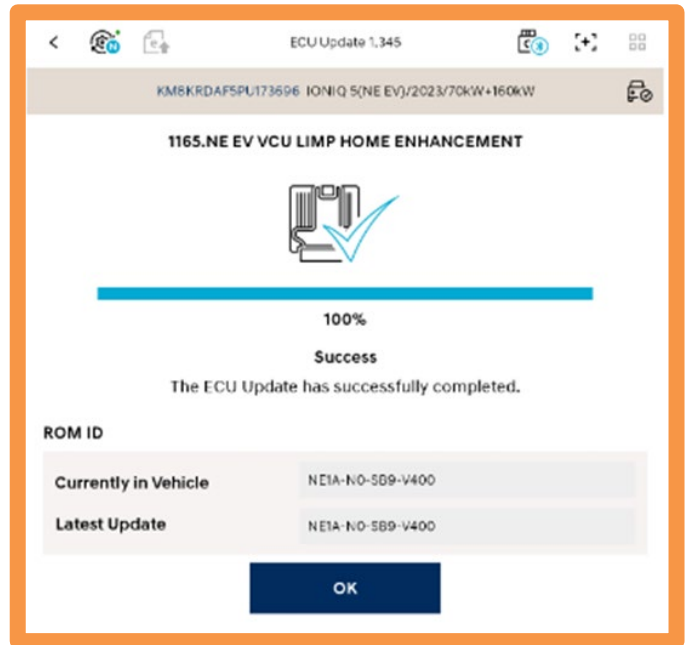


4.

STUI



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



5. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.
6. Start the vehicle in **Ready** mode to confirm proper operation.

i Information

For multiple ECU updates, go back to the Auto Mode screen to view all updates available in one screen.

NOTICE

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

Manual Mode Passwords: Event #1165

ECM Menu	Password
NE EV VCU 39751-1XNN1	1579
NE EV VCU 39751-1XNN4	4115

Manual Mode Passwords: Event #1194

ECM Menu	Password
CE EV VCU 39751-1XEN1	5121
CE EV VCU 39751-1XEN2	5122