HYUNDAI

Technical Service Bulletin

GROUP	NUMBER
CAMPAIGN	**23-01-067H**
DATE	MODEL(S)
AUGUST 2023	**Ioniq 5 Electric (NE1)**

SUBJECT:	VCU UPDATE#2 AND OWNER'S MANUAL SUPPLEMENT (CAMPAIGN 9A1)

★ 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: This updated Vehicle Control Unit (VCU) software package includes the following:

- Brake light logic update for regenerative braking.
- Enhance i-Pedal mode operation.
- EPB (Electronic Parking Brake) auto engagement when shift into Park/auto disengagement shift out of Park when shifting to D or R while brake pedal is engaged.
- DTE (Distance to Empty) strategy.
- Snow road surface performance.
- Air conditioning performance during AC slow charging.
- Enhance charging sequence.

An "Owner's Manual Supplement" leaflet is to be provided to 2022MY vehicle customers to explain the change to the Electronic Parking Brake (EPB) system.
(NOTE: 2023MY vehicle Owner's Manual already contains the EPB supplement content).

Applicable Vehicles (Certain): 2022-2023MY IONIQ 5 Electric (NE1) vehicles produced from 10/04/2021 - 07/19/2023

NOTICE

This service campaign can only be performed at IONIQ certified dealers.

GDS Information:

System	Event #	Description
VCU	1011*	NE VCU IMPROVEMENT #2

* or select the latest available Event # that displays in GDS.

Parts Information:

Part Name			Part Number	Remarks.
OWNER'S MANUAL SUPPLEMENT (EPB)			PGIOE-U32A QQH	==Use only for 2022MY vehicles==

Warranty Information:

MY/MODEL	OP CODE	OP NAME	OP TIME	CAUSAL PART	NATURE	CAUSE
22MY Ioniq 5 Electric (NE1)	30D089R0	VCU UPDATE WITH LEAFLET	0.7 M/H	39751-1XNN1	I11	ZZ3
23MY Ioniq 5 Electric (NE1)	30D089R1	VCU UPDATE (NO LEAFLET)	0.7 M/H	39751-1XNN1	I11	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: This TSB includes Repair validation photos. Op times include VIN, Mileage and Repair validation photos as outlined in the Digital Documentation Policy.
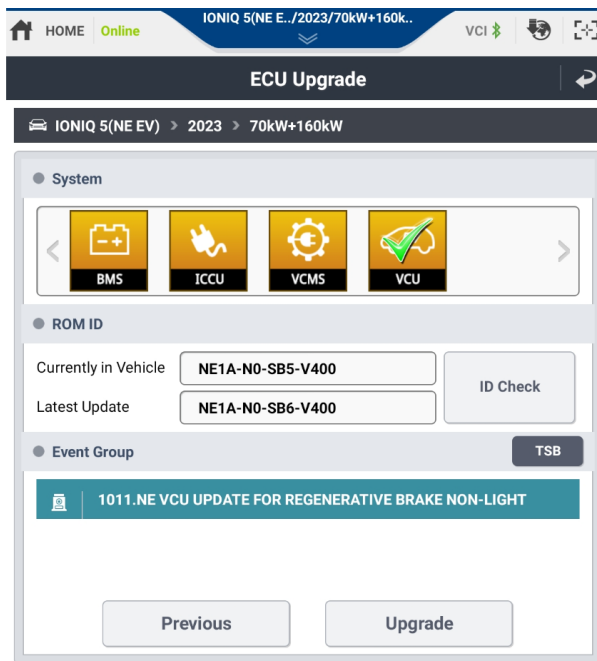
Service Procedure:

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

1. ==**For 22MY Vehicles only:** Attach the Owner's Manual Supplement (EPB) leaflet listed in the Parts Information section on top of the Repair Order. Inform the Service Advisor to explain and provide it to the customer.==

2. Perform the VCU Update in Auto Mode.
   a) Use the Auto Mode ID Check to verify the VCU ROM ID before updating the software.

⚠ WARNING

GDS Vehicle Battery Voltage:
- This VCU Update is long, so the 12V battery must be at good charge level (>60% SOC).
- If the voltage is below 12 volts as per the GDS warning, then select **Back** and run the vehicle at least 30 minutes to reach an adequate battery state of charge to prevent an ECU Update failure. Cycle the ignition **OFF/ON** before retrying ECU update again.

ℹ Information
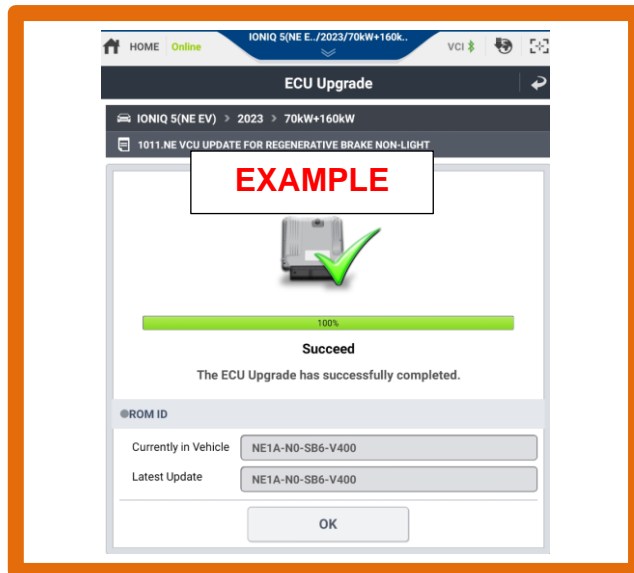
GDS ECU Updates must be performed in Auto Mode.
- If ECU Update starts but then fails in Auto Mode, perform update in Manual Mode to recover.
- Turn off ignition for 30 seconds and try Manual Mode recovery.
- If unsuccessful, re-attempt Manual Mode after disconnecting the cables from the 12V battery terminals and performing cap discharge (connecting bar or heavy wire between "+" to "-" cables).

b) After the ECU Upgrade process shows 100% complete, cycle the ignition key to **OFF** for at least 10 seconds to reset the control unit.

c) Take a screenshot of the ECU Update complete screen and upload to STUI.

STUI

Take a screenshot of the ECU Update Complete screen using your particular tablet's screenshot save method and upload to STUI.

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

4. Start the vehicle in **Ready** mode to confirm a proper operation of the vehicle.

ROM ID Table:

VEHICLE	SYSTEM	MY	VCU P/No.	ROM ID	
				OLD	NEW
IONIQ5 ELECTRIC (NE1)	VCU	22-23MY	39751-1XNN1	NE1A-N0-S07-V300 NE1A-N0-SB0-V400 NE1A-N0-SB1-V400 NE1A-N0-SD2-V400 NE1A-N0-SB2-V400 NE1A-N0-SB3-V400 NE1A-N0-SB5-V400	NE1A-N0-SB6-V400
			39751-1XNN4	NE1A-N2-S17-V300 NE1A-N0-KB0-V200 NE1A-N0-KB1-V200 NE1A-N0-KD2-V200 NE1A-N0-KB2-V200 NE1A-N0-KB3-V200 NE1A-N0-KB5-V200	NE1A-N0-KB6-V200

Manual Mode Password:

MENU	PASSWORD
NE1 VCU 39751-1XNN1	7304
NE1 VCU 39751-1XNN4	2222