

Technical Service Bulletin

GROUP NUMBER

RECALL 22-01-049H

DATE MODEL(S)

MAY 2022

loniq 5 Electric (NE1)

SUBJECT: IONIQ 5 SHIFT BY WIRE CONTROL UNIT (SCU) UPDATE

(RECALL CAMPAIGN 228)

* IMPORTANT

*****Dealer Stock and Retail Vehicles****

As required by federal law, dealer must not deliver new vehicles for sale or for lease to customers until all open recalls have been performed. Dealers must also perform all open recalls on used vehicles, demo, and rental vehicles prior to placing them into customer use and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Vehicle Information Screen (VIS)" via WEBDCS to identify open Recalls.

Description: This bulletin provides information related to the SCU (Shifter Control Unit) software update for IONIQ 5(NE1) vehicles. This SCU update addresses a condition with the electronic parking pawl actuator control. A voltage fluctuation may occur with the vehicle off and in the Park (P) position, which could impact the command signal from the SCU to the parking actuator, resulting in momentary disengagement of the parking pawl and potential vehicle rollaway.

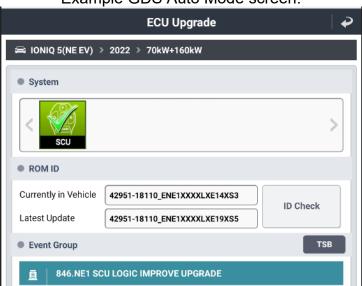
Applicable Vehicles:

Certain 2022MY IONIQ 5 Electric (NE1) produced from 10/04/2021 – 04/26/2022

GDS Information:

Event#	Description
846	NE1 SCU LOGIC IMPROVE UPGRADE

Example GDS Auto Mode screen:



Warranty Information:

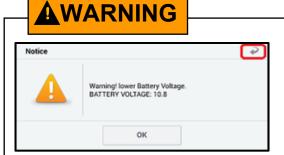
VEHICLE	OP CODE	OP NAME	OP TIME	CAUSAL PART	NATURE	CAUSE
Ioniq 5 Electric (NE1)	21D064R0	SCU UPGRADE	0.3 M/H	42951-18110	173	ZZ3

NOTE 1: Submit claim on Campaign Claim Entry Screen.

NOTE 2: If a part that is not covered by this recall is in need of replacement while performing this recall, and the affected part is still under warranty, please submit a separate claim using the same repair order. If the part is out of warranty, submit a prior approval request for goodwill consideration prior to performing the work.

Service Procedure:

- Refer to TSB 15-GI-001 for the general GDS ECU update procedure information.
- Perform the ECM Update in Auto Mode.
- Use the Auto Mode ID Check to verify the ECM ROM ID before updating the software.
- After the ECU Upgrade process shows 100% complete, cycle the ignition key to OFF for at least 10 seconds to reset the control unit. This step is important for establishing normal powertrain communication and to prevent system errors.
- Clear DTC(s) present after the ECU update.
- Start vehicle to confirm proper operation of the vehicle.



GDS Vehicle Battery Voltage Warning:

If voltage is below 12 volts as per the GDS warning, then select **Back** and run the vehicle at least 15 minutes to reach an adequate battery state of charge to prevent ECU Update failure. Cycle the ignition **OFF/ON** before retrying ECU update again.

ROM ID Information Table:

Vehicle	System	ECU P/No.	OLD ROM ID	NEW ROM ID
Ioniq 5 Electric (NE1)	SCU	42951-18110	ENE1XXXXLXE14XS3	ENE1XXXXLXE19XS5

NOTICE

You must initially perform all GDS ECU Updates in Auto Mode.

- If ECU Update starts but then fails in Auto Mode, perform the 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).

Manual Mode Password:

ECM MENU (#846)	PASSWORD
NE1 SCU 42951-18110	8110

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