 HYUNDAI Technical Service Bulletin	GROUP CAMPAIGN	NUMBER 24-01-051H-1
	DATE SEPTEMBER 2024	MODEL(S) IONIQ 5 (NE1) IONIQ 6 (CE1) KONA ELECTRIC (SX2 EV)
SUBJECT: VCMS SOFTWARE UPDATE – CHARGING LOGIC (SERVICE CAMPAIGN 9B5)		

This TSB supersedes 24-01-051H to include Kona Electric (SX2 EV) vehicles in the Service Campaign.

*** 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 (NE1), 2023-2024MY IONIQ 6 (CE1) and 2024-2025MY Kona Electric (SX2 EV) vehicles may exhibit a condition while charging with a 240V AC (Level 2) charger where the vehicle experiences an interrupted charging session or a lower charging speed. This occurs to prevent potential damage to the charging cable connection. Follow the procedure in this TSB to update the software logic for the Vehicle Charging Management System (VCMS), which initiates a self-restart that allows the vehicle charging to return to full capacity once stabilized.

Applicable Vehicles (Certain):

- 2022-2024MY IONIQ 5 (NE1) produced 10/4/2023 – 12/18/2023
- 2023-2024MY IONIQ 6 (CE1) produced 12/14/2022 – 12/25/2023
- 2024-2025MY Kona Electric (SX2 EV) produced 10/05/2023 – 07/13/2024

NOTICE

For IONIQ 5 and 6 vehicles ONLY - To avoid any potential damage to IONIQ vehicles, this service campaign can only be performed at IONIQ certified dealers.

SUBJECT:VCMS SOFTWARE UPDATE – CHARGING LOGIC
(SERVICE CAMPAIGN 9B5)**GDS Information:**

System Selection: VCMS (Vehicle Charging Management System)

System	Model	Event #	Description
VCMS	IONIQ 5 (NE1)	1051*	NE EV VCMS CHARGING CONDITION SOFTWARE LOGIC IMPROVEMENT
	IONIQ 6 (CE1)	1071*	CE VCMS CHARGING CONDITION SOFTWARE LOGIC IMPROVEMENT
	Kona Electric (SX2 EV)	1144*	SX2 VCMS CHARGING CONDITION SOFTWARE LOGIC IMPROVEMENT

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

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
IONIQ 5 (NE1)	40D079R0	VCMS Software Update	0.3 M/H	35001-1XAA0	I11	ZZ3
IONIQ 6 (CE1)				35000-1XEA0		
Kona Electric (SX2 EV)				35000-0ELA0		

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.

SUBJECT:VCMS SOFTWARE UPDATE – CHARGING LOGIC
(SERVICE CAMPAIGN 9B5)**ROM ID Information: Event #1051**

Model	MY	System	ECU Part Number	ROM ID	
				Old	New
IONIQ 5 (NE1)	22-24 MY	VCMS	35001-1XAA0	ENEE1NM-CS1-D000	ENEE1NM-CSA-D000
				ENEE1NM-CS2-D000	
				ENEE1NM-CS3-D000	
				ENEE1NM-CS4-D000	
				ENEE1NM-CS8-D000	
				ENEE1NM-CS9-D000	

ROM ID Information: Event #1071

Model	MY	System	ECU Part Number	ROM ID	
				Old	New
IONIQ 6 (CE1)	23-24 MY	VCMS	35000-1XEA0	ECEE2NM-CS1-D000	ECEE2NM-CS8-D000
				ECEE2NM-CS2-D000	
				ECEE2NM-CS3-D000	
				ECEE2NM-CS7-D000	

ROM ID Information: Event #1144

Model	MY	System	ECU Part Number	ROM ID	
				Old	New
Kona Electric (SX2 EV)	24-25 MY	VCMS	35000-0ELA0	ESX23NM-CS1-D000	ESX23NM-CS6-D000
				ESX23NM-CS2-D000	
				ESX23NM-CS3-D000	
				ESX23NM-CS4-D000	
				ESX23NM-CS5-D000	

Service Procedure:

STUI



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

NOTICE

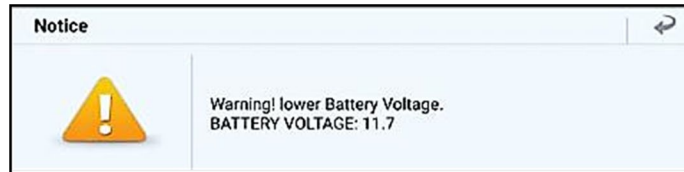
You must initially perform the GDS ECU update in Auto Mode.

- 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.



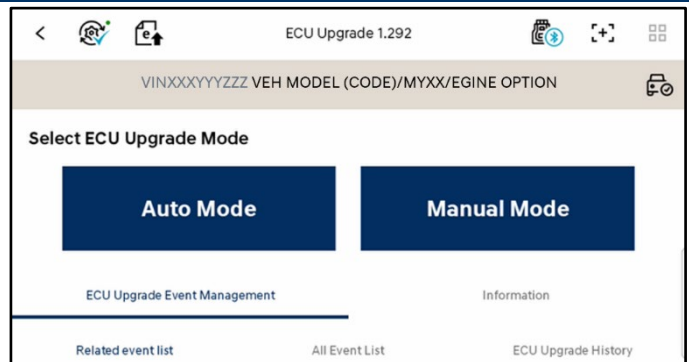
ECU Update Procedure:

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

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

i Information

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



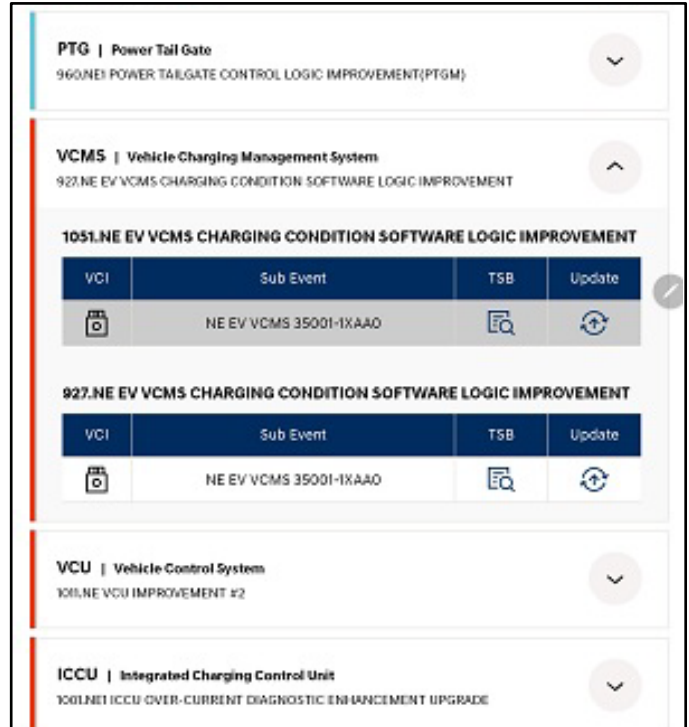
- Select the **VCMS** system to scan the vehicle's current ROM ID.

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 upgrade 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 upgrade.

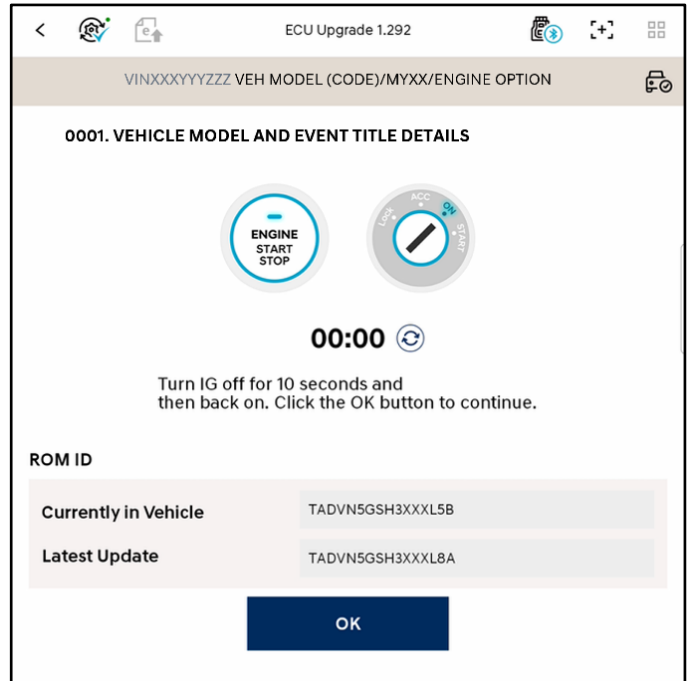


- After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to **30 seconds**).




Information

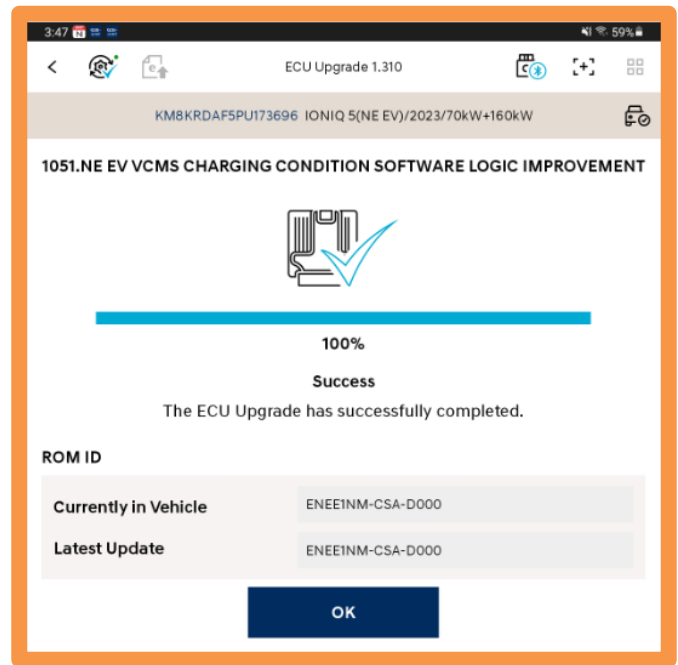
Use the Refresh button to reset the timer.



4.

STUI 

Take a screenshot of the “ECU Update Complete” screen using your tablet and upload to STUI.



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



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 passwords below.

Manual Mode Passwords: Event #1051

ECM Menu	Password
NE EV VCMS 35001-1XAA0	1501

Manual Mode Passwords: Event #1071

ECM Menu	Password
CE EV VCMS 35001-1XEA0	0137

Manual Mode Passwords: Event #1144

ECM Menu	Password
SX2 EV VCMS 3500-0ELA0	3553