



# HYUNDAI

## Technical Service Bulletin

GROUP <b>CAMPAIGN</b>	NUMBER <b>25-01-003H</b>
DATE <b>JANUARY 2025</b>	MODEL(S) <b>ELANTRA HYBRID (CN7 HEV)</b>

**SUBJECT:** HCU UPDATE FOR CRUISE CONTROL LOGIC IMPROVEMENT (SERVICE CAMPAIGN 9B6)

**\* 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.

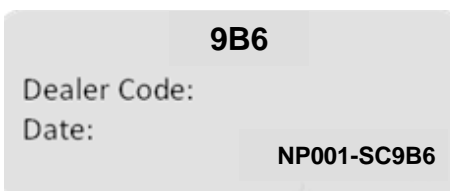

Access the “Vehicle Information” screen via WebDCS to identify open campaigns.

**Description:** Certain Elantra Hybrid (CN7 HEV) vehicles may exhibit an intermittent condition where the cruise control set speed could gradually increase when the driver releases the cruise control set speed adjustment switch. The cruise control set speed is clearly displayed on the instrument cluster, provides visual indication to the driver when the set speed is adjusted, and remains adjustable by the driver at all times. The cruise control can be cancelled by normal methods, either by pressing the cruise control switch or depressing the brake pedal. Follow the procedure in this bulletin to update the Hybrid Control Unit Low Voltage DC/DC Converter (HCULDC) system software to resolve this condition.

**Applicable Vehicles (Certain):**

- 2021–2023MY Elantra Hybrid (CN7 HEV) produced 12/23/2020-10/28/2023

**Parts Information:**

Part Name	Part Number	Figure	Remarks
Campaign Sticker	NP001-SC9B6	 <p><b>9B6</b> Dealer Code: Date: <b>NP001-SC9B6</b></p>	Apply to all vehicles regardless of state
Vehicle Emission Recall - Proof of Correction Card	NP050-09006	 <p><b>Vehicle Emission Recall – Proof of Correction</b></p> <p>License No.   Make   Model Year   Body Type   Vehicle Identification Number</p> <p>Manufacturer:   Recall Number:  </p> <p>The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.</p> <p>Dealer's Name   Address, City, State and Zip</p> <p>Date   x   Dealership's Authorized Signature</p> <p>Return this certificate to DMV only when required - otherwise retain for your records.</p>	Order only for states: CA, CO, CT, DE, ME, MD, MA, NJ, NY, OR, PA, RI, VT, WA

**GDS Information:**

System	Event #	Description
HCULDC	1139	CN7 HEV HCULDC LOGIC IMPROVEMENT (CRUISE CONTROL LOGIC IMPROVEMENT)

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

**Warranty Information:**

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Elantra Hybrid (CN7 HEV)	40D139R0	HCU Software Update & Campaign Sticker Installation	0.4 M/H	36600-2BBB0	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:** This TSB includes Repair validation photos. Op times include VIN, Mileage, and photo capture of the “ECU update complete” screen as outlined in the Digital Documentation Policy.

**ROM ID Information: Event # 1139**

Model	System	ECU Part Number	ROM ID	
			Old	New
Elantra Hybrid (CN7 HEV)	HCULDC	36600-2BBB0	GCNS1N6HNS0LK600	GCNS1N6HNS3LK600
			GCNS1N6HNS1LK600	
			GCNS1N6HNS2LK600	
		36600-2BBB1	GCNS1N6HNS0LK700	GCNS1N6HNS3LK700
			GCNS1N6HNS1LK700	
			GCNS1N6HNS2LK700	

**Service Procedure:**

**STUI**



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

**NOTICE**

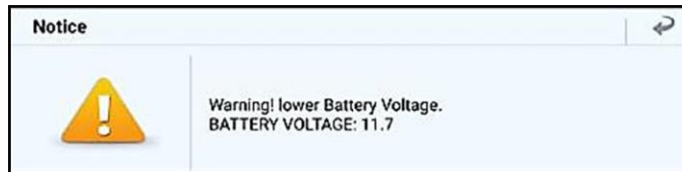
**You must initially perform the GDS ECU update in Auto Mode.**

- 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 accessory mode **ON**, and then retry the ECU update again.



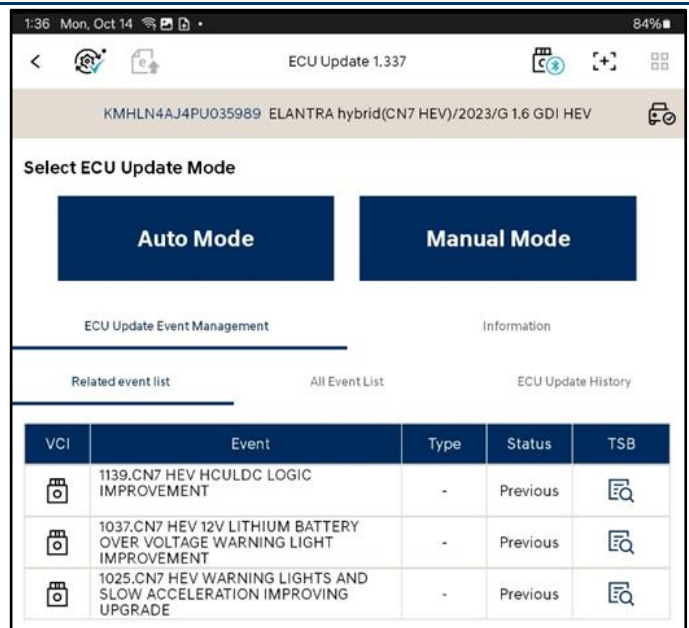
**ECU Update Procedure:**

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.



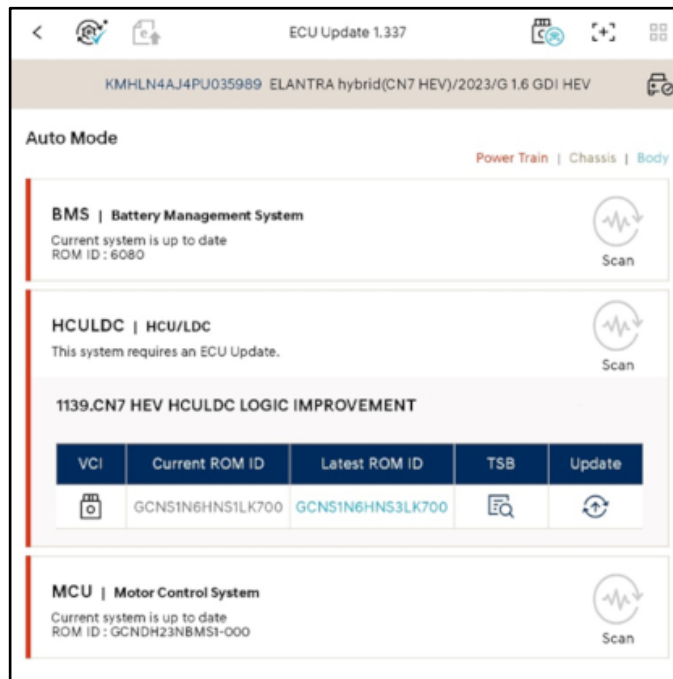
2. Select the **HCULDC** system to scan the vehicle's current ROM ID.

**NOTICE**

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

**NOTICE**

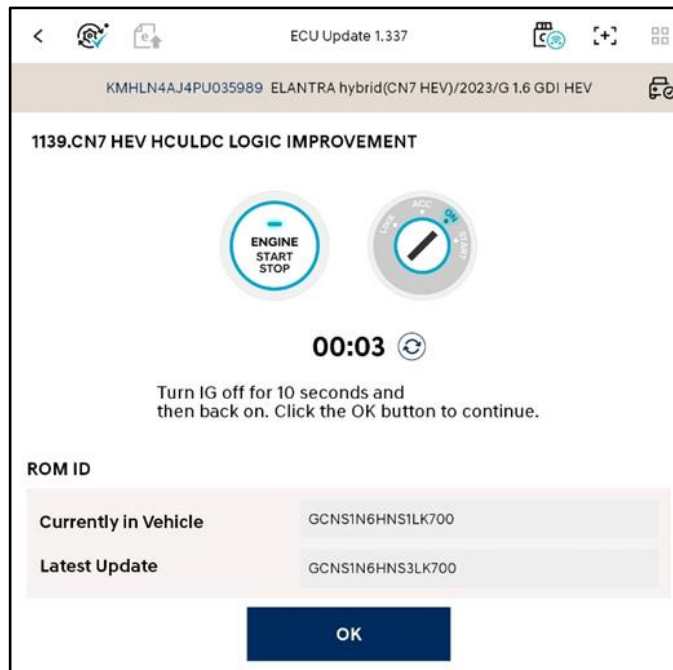
If the update fails, please remove the power connector or the battery (-) connector from the indoor fuse box for at least **5 seconds** and reassemble it to retry the update.



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**).

**i Information**

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

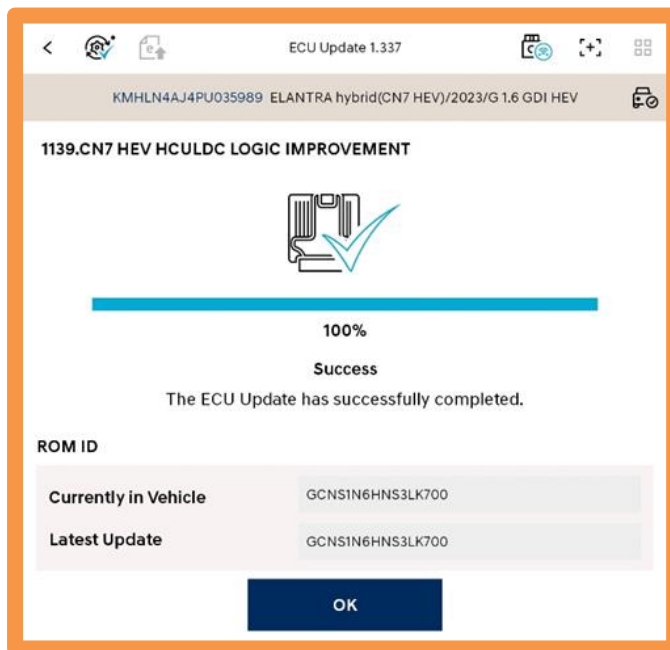


4.

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 engine OR place in **Ready** mode to confirm proper operation of the vehicle.

i

**Information**

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

7. Proceed to **Campaign Sticker Application (for All Vehicles)** on next page.

NOTICE

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

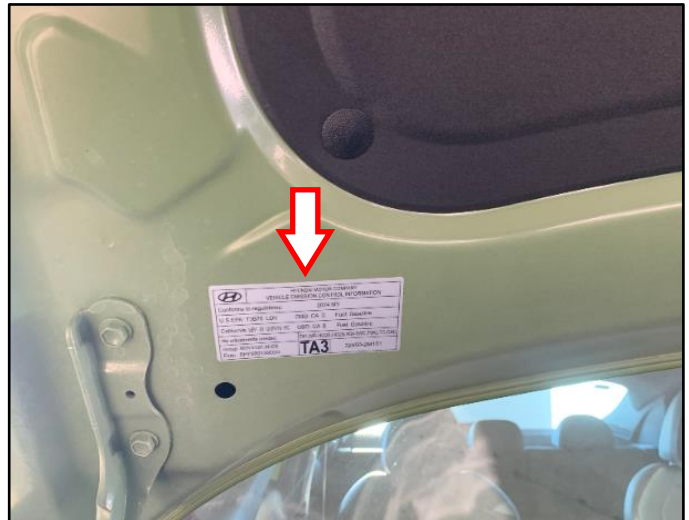
**Manual Mode Password: Event # 1139**

ECM Menu	Password
CN7 HEV HCULDC 36600-2BBB0	0206
CN7 HEV HCULDC 36600-2BBB1	1206


**Campaign Sticker Application (for All Vehicles)**

1. Fill in the Dealer Code and Date on the Campaign Sticker, and apply adjacent to the existing Emission Label, on the underside of the hood, as shown.

Be sure to clean the mounting surface to ensure proper label adhesion.

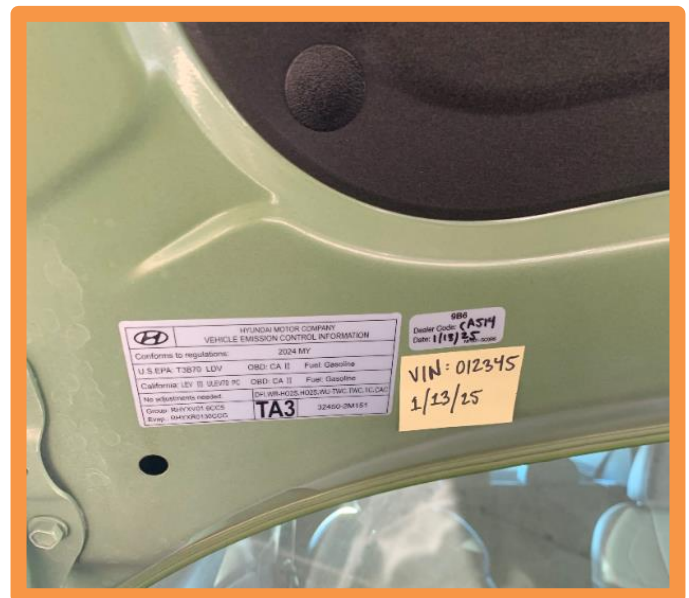


- 2.

**STUI** 

**Using STUI, take a clear photo of the campaign sticker along with the last 6 digits of the VIN and the date of repair on a piece of paper.**

**Upload the photo to STUI.**



3. Proceed to next section and complete the **Vehicle Emission Recall - Proof of Correction Card** for the states listed.

If not applicable to your state, the repair process is complete.

Vehicle Emission Recall – Proof of Correction Card (for Vehicles Registered in Certain States)

**For vehicles registered in California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont, and Washington:**

**VEHICLE EMISSION RECALL - PROOF OF CORRECTION CARD**

A Vehicle Emission Recall - Proof of Correction card must be filled out for all vehicles registered in California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont, and Washington. Residents of these states, who own an affected vehicle, will be required to possess a Vehicle Emission Recall - Proof of Correction card as evidence of voluntary service campaign completion, when they apply for vehicle registration renewal.

**WHAT TO DO WITH THE CARD:**

The Vehicle Emission Recall - Proof of Correction card must be completed by the Dealership's Service Manager using a permanent ink pen. A fine point pen is recommended. When filling in the information, copy the information directly from the vehicle, not from the repair order.

ALL INFORMATION MUST BE PRINTED AND NEAT.

The copy of the card shown below indicates the areas to be filled in. Each area must be filled in.

**The completely filled out Vehicle Emission Recall - Proof of Correction card should be given to the owner of the vehicle upon completion of the Campaign.**

- |                                      |   |
|--------------------------------------|---|
| 1. Enter Vehicle's License Number    | 7. Enter Dealership Name  |
| 2. Enter "Hyundai"                   | 8. Enter Dealership's Address   |
| 3. Enter Model Year                  | <b>NOTE:</b> Enter the physical address, not the mailing address (not a P.O. Box) |
| 4. Enter Model (e.g. Elantra Hybrid) | 9. Enter Date of Repair   |
| 5. Enter the vehicle's VIN Number    | 10. Service Manager Sign Here   |
| 6. Enter Recall Number               |   |

**Vehicle Emission Recall – Proof of Correction**

License No. <b>1</b>	Make <b>2</b>	Model Year <b>3</b>	Body Type <b>4</b>	Vehicle Identification Number <b>5</b>
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Manufacturer: \_\_\_\_\_ **2**      Recall Number: \_\_\_\_\_ **6**

The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.

Dealer's Name **7**      Address, City, State and Zip **8**

Date **9**      Dealership's Authorized Signature **10**

**Return this certificate to DMV only when required – otherwise retain for your records.**

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