



**HYUNDAI**  
**Technical Service Bulletin**

GROUP <b>RECALL</b>	NUMBER <b>26-01-047H</b>
DATE <b>MAY 2026</b>	MODEL(S) <b>ELANTRA HYBRID (CN7 HEV)</b>

**SUBJECT:** HPCU SOFTWARE LOGIC IMPROVEMENT  
 (RECALL 301)

**\* IMPORTANT**

Vehicle repairs related to safety recalls are critically important and must be performed properly in accordance with TSB procedures. Review this bulletin in its entirety prior to beginning any repair work.

As required by federal law, dealers 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.

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

**Description:** Certain Elantra Hybrid (CN7 HEV) vehicles may have a Hybrid Power Control Unit (HPCU) that may overheat under high electrical loads. In most cases, a "no start" condition or reduced power "Limp Mode" with the malfunction indicator lamp (MIL) illuminated may occur while driving. In limited cases, the HPCU may overheat, resulting in localized thermal damage to the HPCU assembly and internal components. Overheating of the HPCU could increase the risk of a fire. This bulletin provides a service procedure to update the HPCU software.

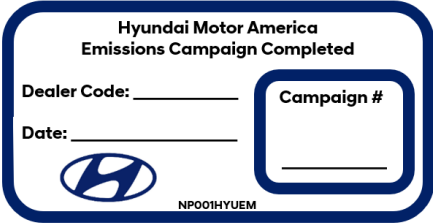
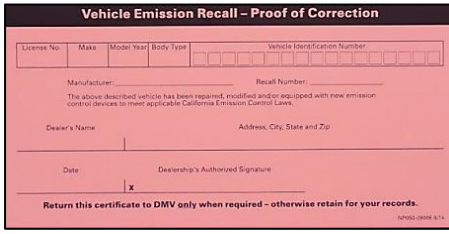
**Applicable Vehicles (Certain):**

Model Year	Model	Production Dates
2024 – 2026	Elantra Hybrid (CN7 HEV)	10/31/2023 – 12/31/2025

**SUBJECT:**

HPCU SOFTWARE LOGIC IMPROVEMENT (RECALL 301)

**Parts Information:**

Model	Part Name	Part Number	Figure	Remarks
Elantra Hybrid (CN7 HEV)	Hyundai Emissions Label	NP001-HYUEM		Apply to all vehicles regardless of state.
	Vehicle Emission Recall - Proof of Correction Card	NP050-09006		Order only for states: CA, CO, CT, DE, ME, MD, MA, NJ, NY, OR, PA, RI, VT, WA

**SST Information:**

Tool Name	Tool Number	Figure	Ordering Information
VCI 3	G0VHNNN06		Website: <a href="https://hyundaiesentialtools.com/">https://hyundaiesentialtools.com/</a> Email: <a href="mailto:Hyundaitools@snapon.com">Hyundaitools@snapon.com</a> Phone: 1-855-763-9199 Hours: 7 AM – 7 PM CST
VCI 2	G1XDDMN001		

**NOTE:** VCI 2 can **NO** longer be ordered but can be used for the updates in this TSB.

**GDS Information:**

Model	System	Event Number*	Description
Elantra Hybrid (CN7 HEV)	HCULDC	1397	CN7 PE HEV HPCU SW Update (LDC-EWP Logic Improvement)

(\*or use a later available event 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)	61D075R0	HPCU Software Update & Emission Label Application	0.6 M/H	36600-2BBG0	I11	ZZ3

**NOTE 1:** Submit claim on Claim Entry Screen as “Campaign” type.

**NOTE 2:** If any part(s) not subject to this TSB are found in need of replacement while performing the repair procedure, and the affected part(s) are still under warranty, the dealer may submit a separate claim using the same repair order. If the part(s) not subject to this TSB are out of warranty coverage, the dealer has the option to submit a PA Request for goodwill consideration on a case-by-case basis.

**NOTE 3:** Op times include VIN, mileage, and photo capture of the ECU Update “Success” result screen as outlined in the Digital Documentation Policy.

**ROM ID Information:**

Model	Event	System	ECU Part Number	ROM ID	
				Current	Latest
Elantra Hybrid (CN7 HEV)	1397	HCULDC	36600-2BBG0	GCNS3N6HNQ0LK600 GCNS3N6HNS0LK600 GCNS3N6HNS1LK600 GCNS3N6HNS2LK600	GCNS3N6HNS3LK600
			36600-2BBG1	GCNS3N6HNQ0LK700 GCNS3N6HNS0LK700 GCNS3N6HNS1LK700 GCNS3N6HNS2LK700	GCNS3N6HNS3LK700

## Service Procedure:

**DIGITAL DOCUMENTATION**

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**

Ensure the vehicle's battery charge is **above 12.5 Volts** and the tablet's battery charge is **above 30%** before performing a software update to avoid update failure.

**Information**

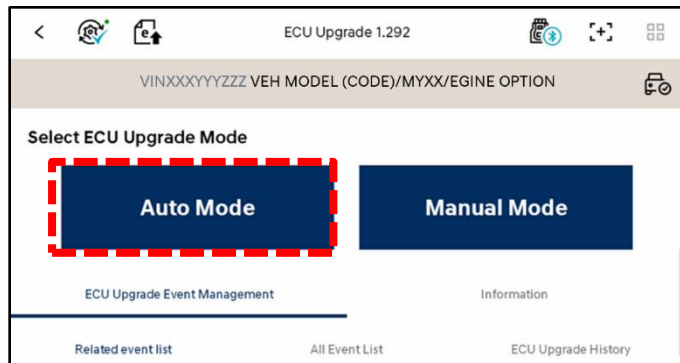
- Turn **OFF** all lamps (do **NOT** leave head lamp switch in auto mode) and all accessories.
- Perform update with the ignition switch in the **ON** position.
- Do **NOT** disconnect any cables connected to the vehicle or scan tool during the update.
- Do **NOT** place in **Ready** mode during the update.
- Do **NOT** turn **OFF** the ignition switch during the update.

**ECU Update Procedure**

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

**i Information**

Refer to **TSB # 25-GI-011H**, “**ECU Update Procedure for Tablet-Based GDS-Smart**”, for additional information.



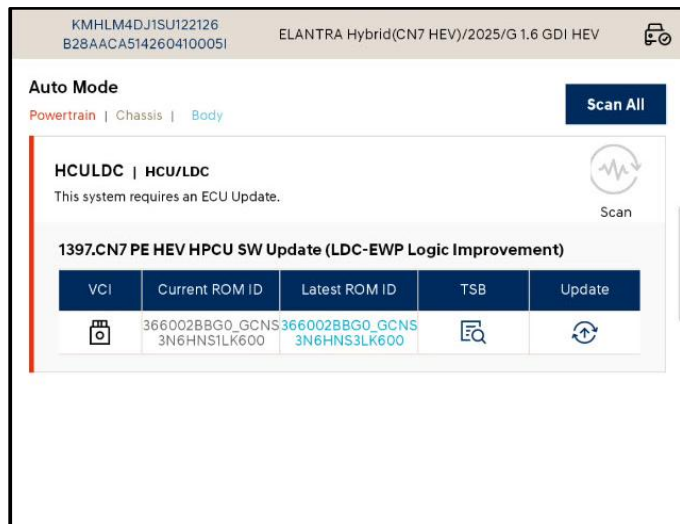
2. Verify the ROM ID by selecting the **HCULDC** system to scan the vehicle’s current ROM ID.

**NOTICE**

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

**NOTICE**

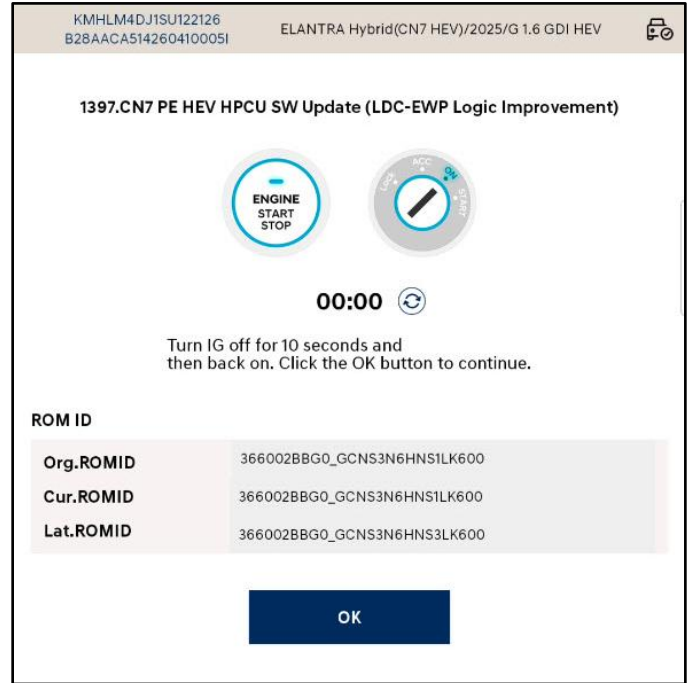
If the update fails, remove the power connector from the in-cabin fuse box for at least **5 seconds**. Alternatively, disconnect the negative (–) **12V** battery terminal and wait at least **5 seconds**. Reassemble and retry the update.



- 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.



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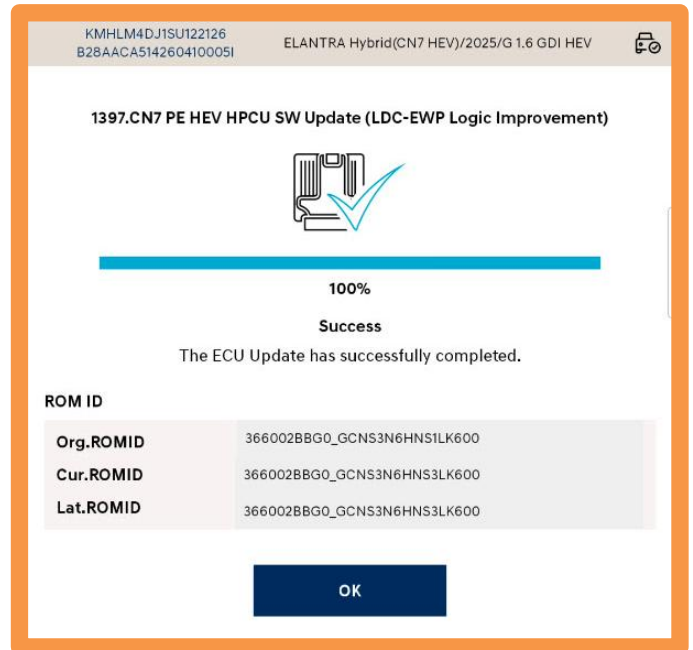
**DIGITAL DOCUMENTATION**



Using the tablet or GDS screen capture function, take a screenshot of the ECU Update "Success" result screen.

Upload the photo to STUI.

**NOTE:** The VIN/Date/Time/Mileage photo imprint is **NOT** required for GDS screenshots.



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



6. Place in **Ready** mode to confirm proper operation of the vehicle.
7. Proceed to [Emissions Label Application \(for All Vehicles\)](#) section.

### NOTICE

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

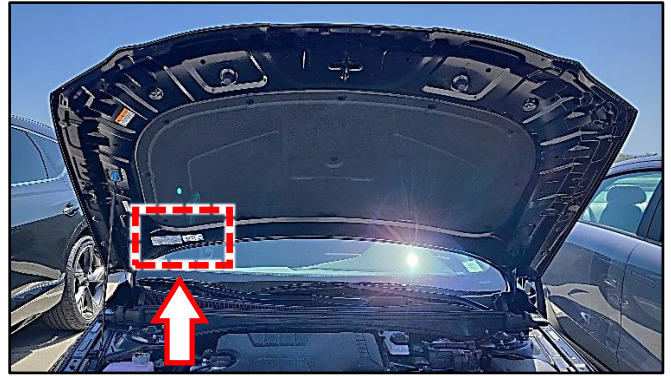
#### Manual Mode Password:

Event	Menu	Password
1397	CN7 PE HEV HPCU 36600-2BBG0	6020
	CN7 PE HEV HPCU 36600-2BBG1	6021

### Emissions Label Application (for All Vehicles)

1. Fill in the Campaign ID, Dealer Code, and Date on the emissions label, and apply adjacent to the existing label, on the underside of the hood, as shown.

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



- 2.

DIGITAL  
DOCUMENTATION



Using the STUI camera function, take a photo of the emissions label attached to the vehicle.

Upload the photo to STUI.

**NOTE:** If the STUI camera function is **NOT** used, write the last 6 digits of the VIN and date of repair on a piece of paper to include in the photo.



3. Proceed to the 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.

**A completed 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           | 10. Service Manager Sign Here   |
| 6. Enter Recall Number <b>301</b>    |   |

<b>Vehicle Emission Recall – Proof of Correction</b>					
License No.	Make	Model Year	Body Type	Vehicle Identification Number	
1	2	3	4	5	
Manufacturer: _____			Recall Number: _____		
			2		
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			Address, City, State and Zip		
7			8		
Date		Dealership's Authorized Signature			
9		x 10			
Return this certificate to DMV only when required – otherwise retain for your records.					
NP050-09006 8/14					