



HYUNDAI

Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 25-01-083H
DATE NOVEMBER 2025	MODEL(S) SEE BELOW

SUBJECT: ECU SOFTWARE UPDATE - DTC P04DB00
(LIMITED COVERAGE CAMPAIGN LA11)

*** IMPORTANT**

Dealers must perform this field action on all affected vehicles within 8 / 80,000 Emissions Warranty prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair. See Warranty Information section for more details.


Access the “Vehicle Information” screen via WebDCS to verify “Warranty Start Date” and ensure the vehicle is within Emissions Warranty, observing mileage prior to any repair work.

Description: Certain Tucson Hybrid (NX4 HEV) and Tucson Plug-in Hybrid (NX4 PHEV) vehicles equipped with the 1.6T-GDI Gamma II engine may set DTC P04DB00 (Crankcase Ventilation System Disconnected). This bulletin provides instructions to perform a software update on the Engine Control Module (ECM) to resolve this condition.

Applicable Vehicles (Certain):

Model Year	Model	Engine	Production Dates
2025	Tucson Hybrid (NX4 HEV)	1.6T-GDI Gamma II	06/18/2024 - 08/21/2025
	Tucson Plug-in Hybrid (NX4 PHEV)		07/09/2024 - 08/14/2025

SST Information:

Tool Name	Tool Number	Figure	Ordering Information
VCI 3	G0VHNNN06		Website: https://hyundaiesentialtools.com/ Email: Hyundaitools@snapon.com 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
Tucson Hybrid (NX4 HEV) & Tucson Plug-in Hybrid (NX4 PHEV)	Engine	1324	NX4 HEV/PHEV GAMMA2 DTC P04DB IMPROVEMENT

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

NOTE: The software update is subject to an OTA (Over-the-Air) option and may be completed by customers with an active Bluelink Services subscription.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Tucson Hybrid (NX4 HEV) & Tucson Plug-in Hybrid (NX4 PHEV)	50D270R0	ECU Update	0.3 M/H	39135-2MNC0	I11	ZZ3

NOTE 1: Submit claim on Claim Entry Screen as "Campaign" type.

NOTE 2: 8 / 80,000 Emissions Warranty applies to the part(s) and repair procedure(s) outlined in this TSB. Prior to beginning any repair work, ensure the part(s) associated with the repair procedure are within Emissions Warranty, observing mileage and Warranty Start Date or date of first use. If the subject part(s) 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: This TSB includes repair validation photos. Op times include VIN, mileage, and photo capture of the ECU Update "Success" screen as outlined in the Digital Documentation Policy.

NOTE 4: 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.

ROM ID Information:

Model	Event	System	ECU Part Number	ROM ID	
				Current	Latest
Tucson Hybrid (NX4 HEV) & Tucson Plug-in Hybrid (NX4 PHEV)	1324	Engine	39135-2MNC0	JNX45NS06F0C6F00	JNX45NS06F1C6F00
			39135-2MNH0	QNX45NS06F0C6F00	QNX45NS06F1C6F00

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

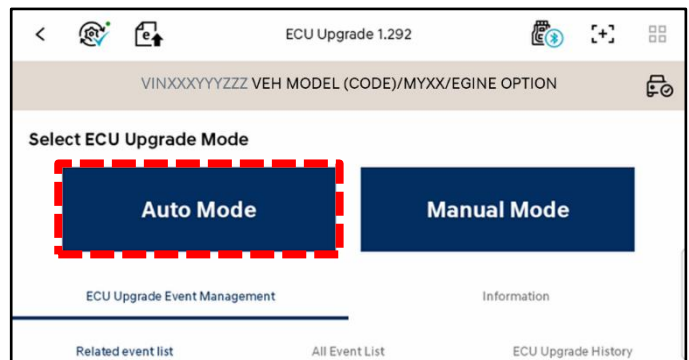
i Information

- 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 the vehicle in **Ready** mode during the update.
- Do **NOT** turn **OFF** the ignition switch during the update.

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.



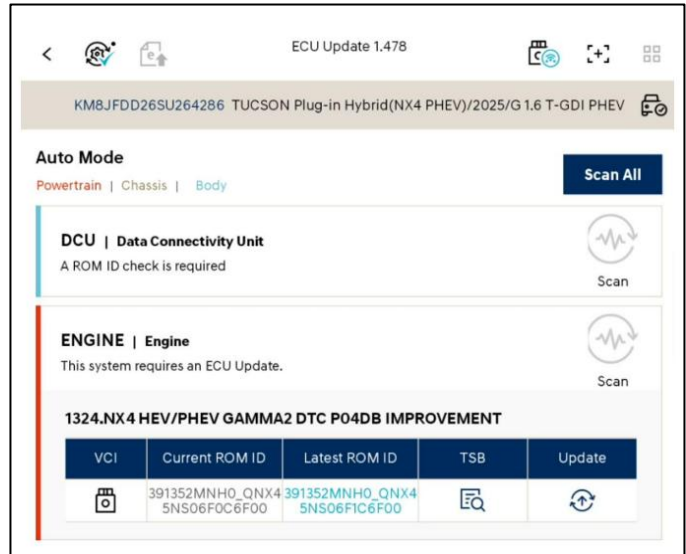
2. Verify the ROM ID by selecting the **Engine** system to scan the vehicle's current ROM ID.

NOTICE

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

NOTICE

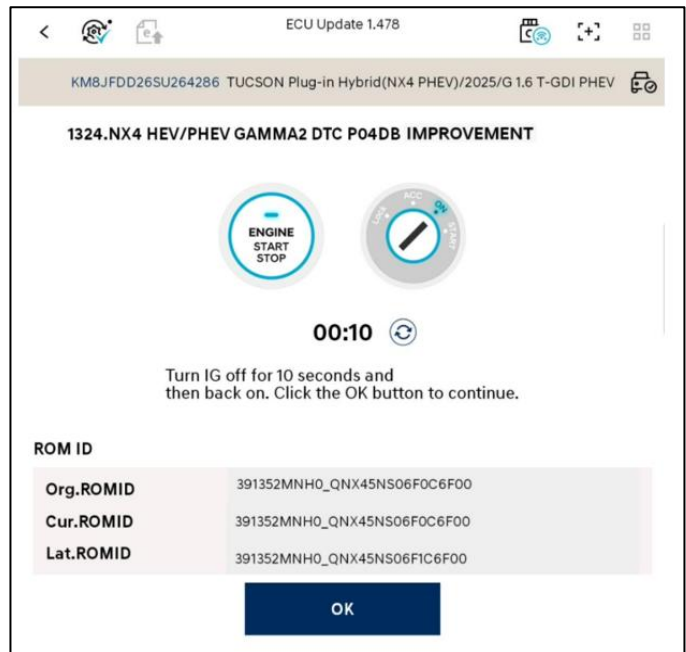
If the update fails, remove the power connector from the in-cabin fuse box for at least **5 seconds**. Alternatively, disconnect the negative (-) **12V** battery terminal, wait at least **5 seconds**. Reassemble and retry the update.



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**).

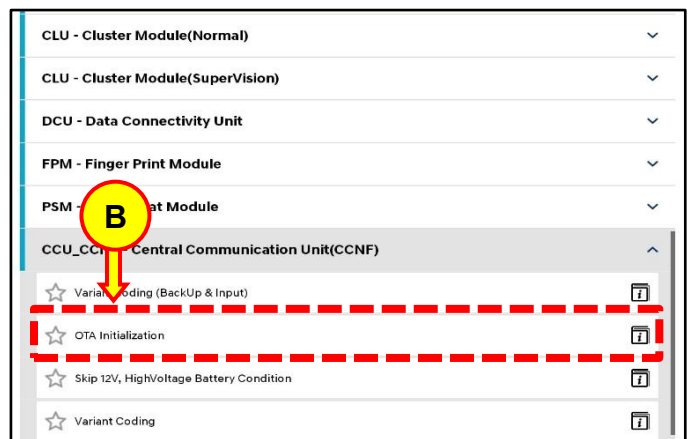
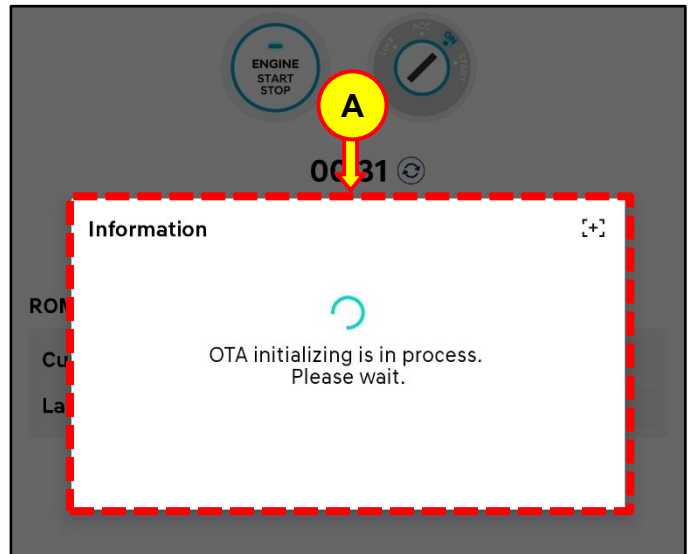
i Information

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



4. OTA initialization (A) should perform automatically:
- If OTA initialization performs automatically, then proceed with the service procedure.
 - If the OTA initialization process fails, complete it manually under:
S/W Management > CCU_CCNF - Central Communication Unit (CCNF) > OTA Initialization (B).

Follow the instructions on the screen.



5.

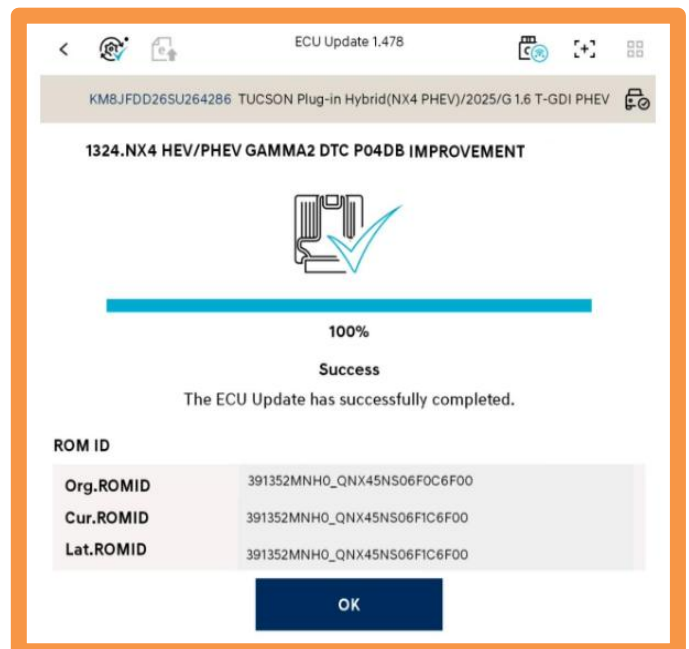
DIGITAL DOCUMENTATION



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.



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



7. Place the vehicle in **Ready** mode to confirm proper operation of the vehicle.
8. The service procedure is now complete.

NOTICE

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

Manual Mode Password:

Event	ECU Menu	Password
1324	NX4KH_ECU_1_391352MNC0	4212
	NX4KH_ECU_1_391352MNH0	8283