



Technical Service Bulletin

GROUP

RECALL

NUMBER

26-01-054H-1

DATE

JUNE 2026

MODEL(S)

SEE BELOW

SUBJECT: INSTRUMENT CLUSTER LOGIC UNIT (CLU) SOFTWARE UPDATE
(RECALL 304)

This TSB supersedes 26-01-054H to add 2 events to the Service Procedure, Op codes on page 3, update the flowchart on page 4, and update the Manual Mode Password and ROM ID Information tables on pages 19-21.

★ 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 Tucson (NX4, NX4A, and NX4M), Tucson Hybrid (NX4 HEV), and Tucson Plug-in Hybrid (NX4 PHEV) vehicle's instrument panel ("IP") display may intermittently reboot during vehicle operation, potentially resulting in a temporary blank display screen due to a software logic issue involving the IP cluster assembly and the Head-Up Display ("HUD"). This bulletin provides instructions to perform software updates for the Instrument Cluster Logic Unit (CLU).

Applicable Vehicles (Certain):

Model Year	Model	Trim	VIN Start with	Production Dates
2025 – 2026	Tucson Hybrid (NX4 HEV)	Limited	KM8	06/18/2024 – 05/07/2026
	Tucson Plug-in Hybrid (NX4 PHEV)			07/09/2024 – 04/14/2026
2025	Tucson (NX4M)		3KM	06/07/2024 – 03/14/2025
2025 – 2026	Tucson (NX4A)		5NM	06/20/2024 – 04/30/2026
2026	Tucson (NX4)		KM8	11/17/2025 – 12/30/2025

SST Information:

Tool Name	Tool Number	Figure	Remarks	Ordering Information
VCI 3	G0VHNNN06	 + 	VCI 3 comes with the 19-pin cable (P/N G1XDDCA020 included here for reference)	Website: https://hyundaiesentialtools.com/ Email: Hyundaitools@snapon.com Phone: 1-855-763-9199 Hours: 7 AM – 7 PM CST
19-Pin Cable	G1XDDCA020			
VCI 2	G1XDDMN001	 + 	If using VCI 2, the ECI Kit will be required to complete software updates.	
Ethernet Communication Interface (ECI) Kit	G0XDDMN052			

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
All	FoD	1495	NX4(P)HEV, NX4a, NX4m CLU FoD LOGIC IMPROVEMENT (AP)
		1494	NX4(P)HEV, NX4a, NX4m CLU FoD LOGIC IMPROVEMENT (MCU)
	CLU	1477	NX4(P)HEV, NX4a, NX4m CLU LOGIC IMPROVEMENT (12Inch) (AP)
		1476	NX4(P)HEV, NX4a, NX4m CLU LOGIC IMPROVEMENT (12Inch) (MCU)

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

NOTE 1: The software update is subject to an OTA (Over-the-Air) option and may be completed by customers with active Bluelink subscriptions.

NOTE 2: The event download onto the GDS may take **LONGER THAN NORMAL** due to dealer network bandwidth and file size.

NOTICE

There are **4 GDS software updates** that included in the service procedure for the Cluster Module (CLU); however, **some vehicles may only require 2 software updates** dependent on the current CLU software versions. **It is critical that the software updates be performed in sequence, otherwise the cluster module can be damaged and may require replacement.**

Event 1495 > Event 1494 > Event 1477 > Event 1476

If **Events 1495 & 1494** do **NOT** apply, then perform **Events 1477 & 1476** as necessary.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Tucson (NX4)	61D196R1	Cluster Software Update (1477 & 1476 <u>ONLY</u>)	0.7 M/H	940C3-N9000	114	ZZ3
Tucson Hybrid (NX4 HEV)						
Tucson Plug-in Hybrid (NX4 PHEV)						
Tucson (NX4A)	61D196R2			940C3-CW000		
Tucson (NX4M)	61D196R3			940C3-HD000		
Tucson (NX4)	61D196R4	FoD Software Update (1495 & 1494) & Cluster Software Update (1477 & 1476)	1.2 M/H	940C3-N9000		
Tucson Hybrid (NX4 HEV)						
Tucson Plug-in Hybrid (NX4 PHEV)						
Tucson (NX4A)	61D196R5			940C3-CW000		
Tucson (NX4M)	61D196R6			940C3-HD000		

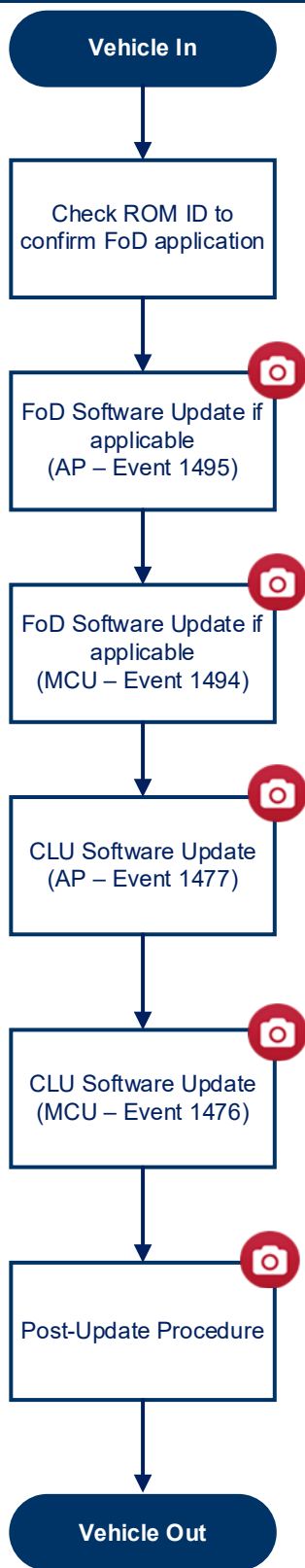
NOTE 1: Submit a campaign claim on the "Claim Entry/Edit/Submit" screen on WebDCS and attach all required Digital Documentation per TSB to the claim

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 retailer 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 retailer 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. Required photos include the ECU Update "Success" screen for both "AP" and "MCU" events.

NOTE 4: If both recalls 293 and 304 are open on a vehicle, submit a claim with the applicable operation code referencing the latest TSB for Recall 293. Then, submit a second claim for Recall 304 using applicable operation code referencing the latest TSB for Recall 304.

Configuration of Ethernet Communication on Tablet



Service Procedure:

DIGITAL DOCUMENTATION



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. Required photos include the ECU Update "Success" screen for both "AP" and "MCU" events.

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 **≥12.3 Volts** and the tablet's battery charge is **above 30%** before performing a software update, to avoid update failure. Hyundai recommends connecting a battery maintainer/charger when performing **all ECU updates**.



Information

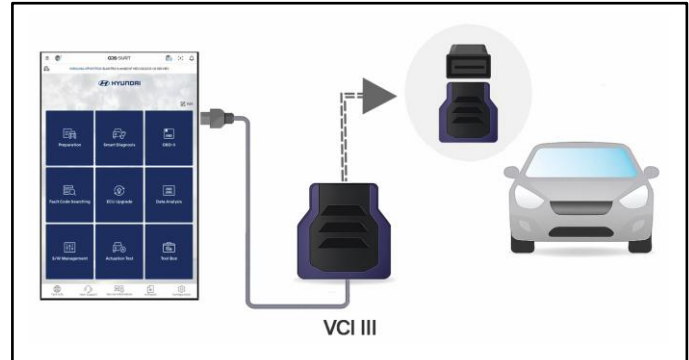
- Turn **OFF** all lamps (do **NOT** leave head lamp switch in auto mode) and all accessories.
- Perform update with the ignition switch in the **ON** position.
- Do **NOT** disconnect any cables connected to the vehicle or scan tool during the update.
- Do **NOT** start the engine OR place in **Ready**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

Configuration of Ethernet Communication on Tablet PC

i Information

Refer to **TSB 23-GI-006H** for detailed information on configuring Ethernet communication for setup.

1. Connect the Ethernet Communication Interface (ECI) DLC cable to the OBD connector of the vehicle.
2. Connect the VCI DLC cable to the ECI.
3. Select the appropriate tablet cable (type C, 5-pin) to the ECI.
4. Connect the cable to the tablet PC.



i Information

VCI 2: Connect the GDS tablet (wired) or PC (wireless) using the ECI kit.

VCI 3: Connect the GDS tablet to the vehicle using the 19-pin cable.

FoD Update Procedure: Event 1495 (AP) If Applicable

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



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 **FoD** 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.

If the update fails, remove the power connector from the in-cabin fuse box for 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.



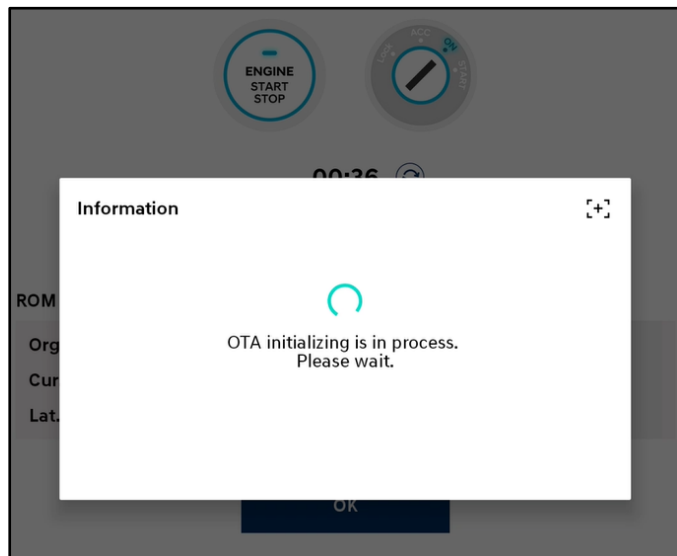
Information

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

4. The GDS will automatically perform the OTA initializing.

NOTICE

If the GDS does **NOT** automatically perform the OTA initializing, then perform this procedure after **all applicable modules** have been updated successfully.



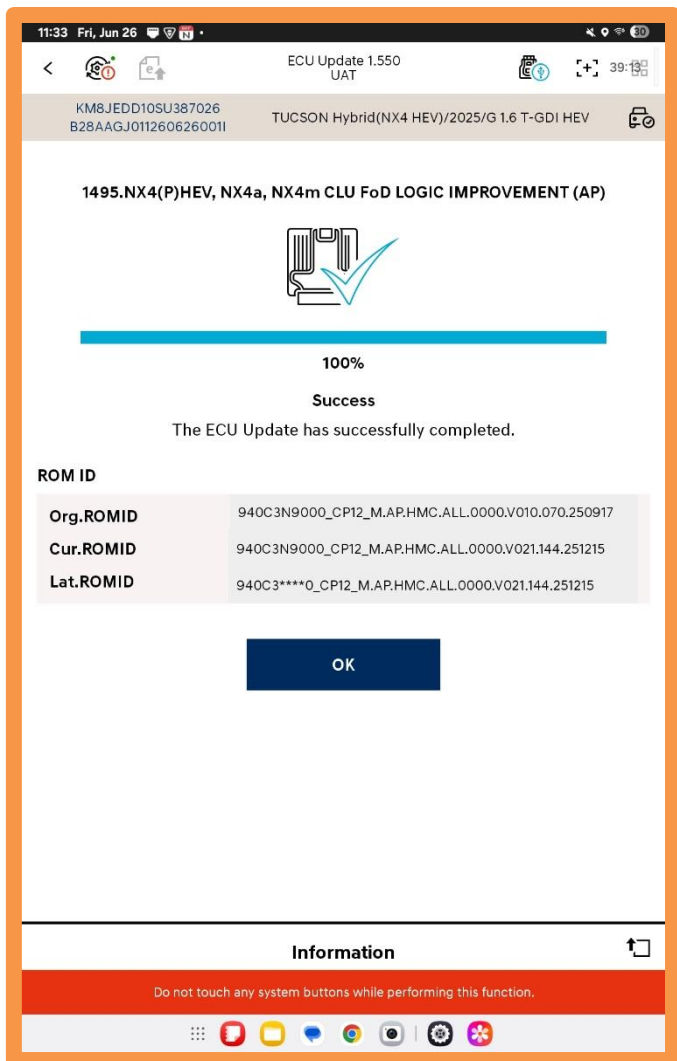
- 5.

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. Select **Cancel**.



Information

The fault code search will be performed after all the applicable modules have been updated.

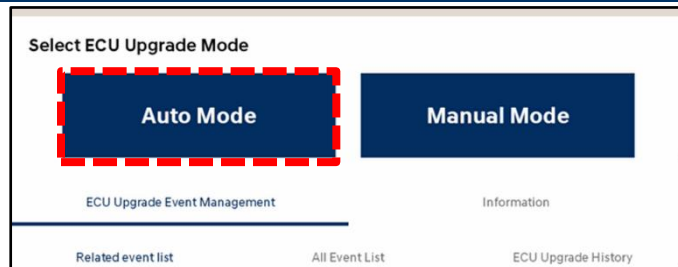
7. Proceed to the [FoD Update Procedure: Event 1494 \(MCU\) If Applicable](#) section.

FoD Update Procedure: Event 1494 (MCU) If Applicable

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.

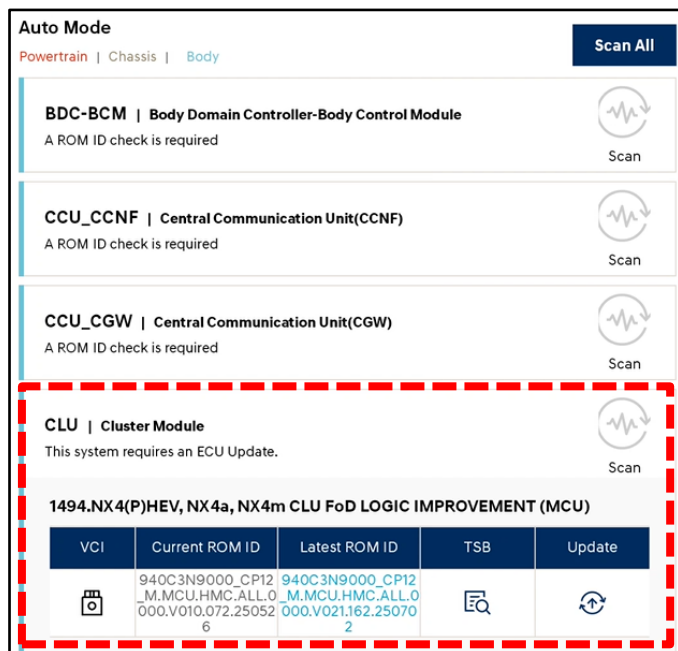


2. Verify the ROM ID by selecting the **FoD** system to scan the vehicle’s current ROM ID.

NOTICE

Check the current ROM ID version and compare it to the [ROM ID Information](#) table before attempting to perform the software update.

If the update fails, remove the power connector from the in-cabin fuse box for 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.

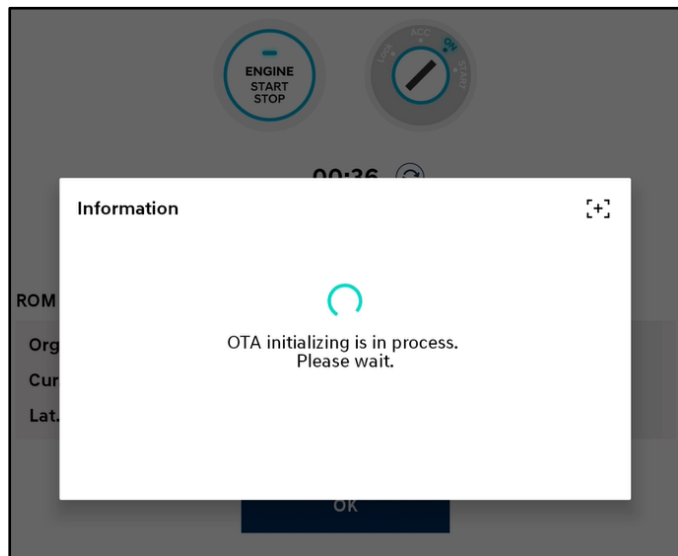
i Information

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

4. The GDS will automatically perform the OTA initializing.

NOTICE

If the GDS does **NOT** automatically perform the OTA initializing, then perform this procedure after **all applicable modules** have been updated successfully.



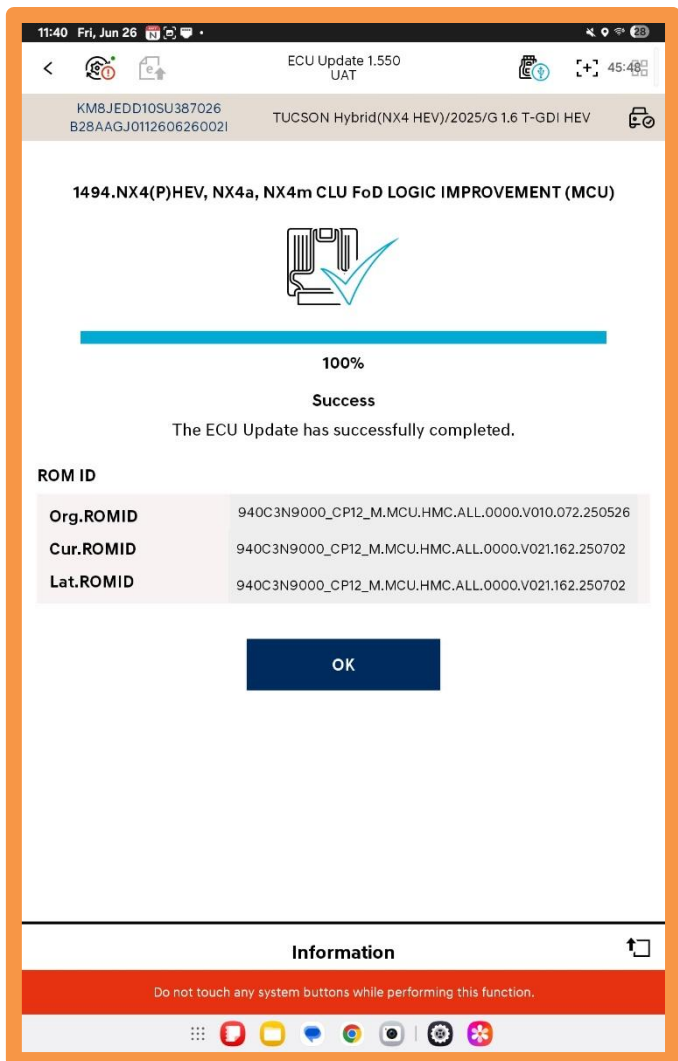
- 5.

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.

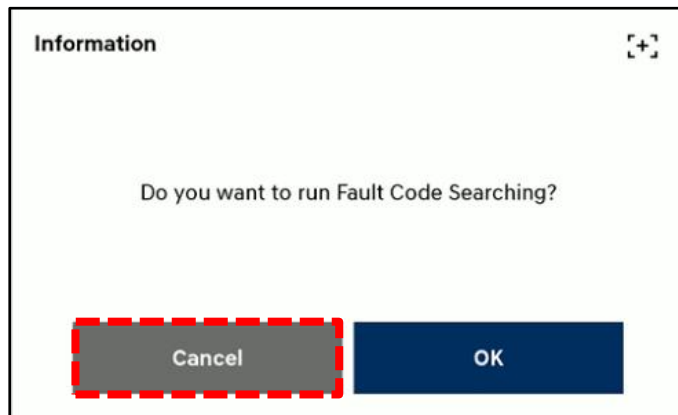


6. Select **Cancel**.



Information

The fault code search will be performed after all the applicable modules have been updated.



7. Proceed to [CLU Update Procedure: Event 1477 \(AP\)](#) section.

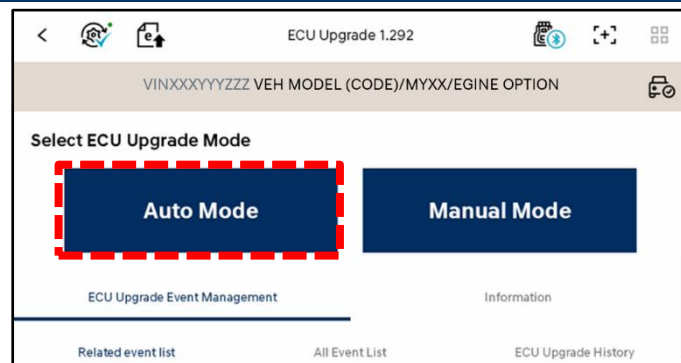
CLU Update Procedure: Event 1477 (AP)

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



Information

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

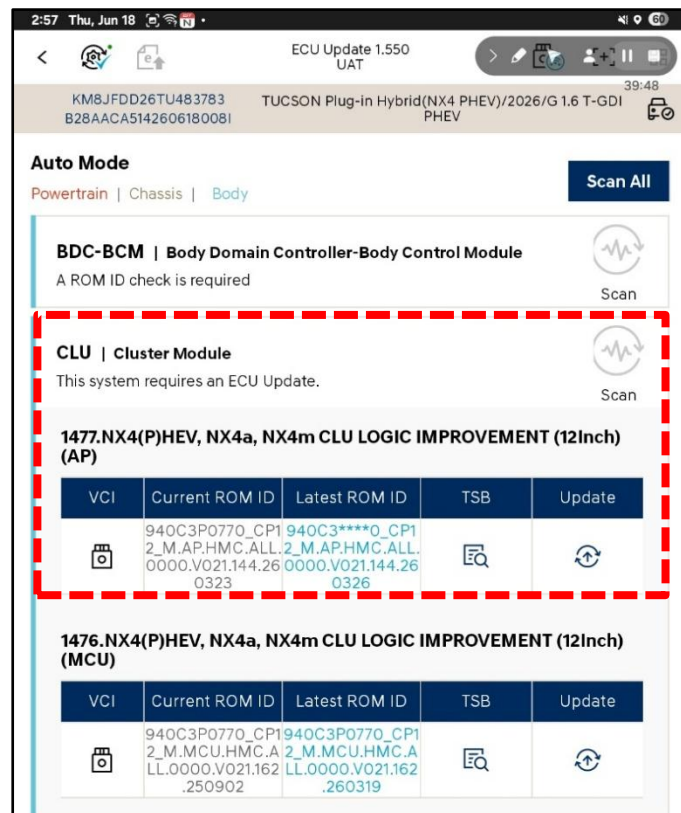


2. Verify the ROM ID by selecting the **CLU** system to scan the vehicle's current ROM ID.

NOTICE

Check the current ROM ID version and compare it to the [ROM ID Information](#) table before attempting to perform the software update.

If the update fails, remove the power connector from the in-cabin fuse box for 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**).



Information

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

1477.NX4(P)HEV, NX4a, NX4m CLU LOGIC IMPROVEMENT (12Inch) (AP)



00:00

Turn IG off for 10 seconds and then back on. Click the OK button to continue.

4. The GDS will automatically perform the OTA initializing.

NOTICE

If the GDS does **NOT** automatically perform the OTA initializing, then perform this procedure after **all applicable modules** have been updated successfully.

1477.NX4(P)HEV, NX4a, NX4m CLU LOGIC IMPROVEMENT (12Inch) (AP)



100%

Information

OTA initializing is in process.
Please wait.

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.

1477.NX4(P)HEV, NX4a, NX4m CLU LOGIC IMPROVEMENT (12Inch) (AP)



100%

Success

The ECU Update has successfully completed.

ROM ID

Org.ROMID	940C3P0770_CP12_M.AP.HMC.ALL.0000.V021.144.260323
Cur.ROMID	940C3P0770_CP12_M.AP.HMC.ALL.0000.V021.144.260326
Lat.ROMID	940C3****0_CP12_M.AP.HMC.ALL.0000.V021.144.260326

OK

6. Select **Cancel**.



Information

The fault code search will be performed after all the applicable modules have been updated.

Information



Do you want to run Fault Code Searching?

Cancel

OK

7. Proceed to the [CLU Update Procedure: Event 1476 \(MCU\)](#) section.

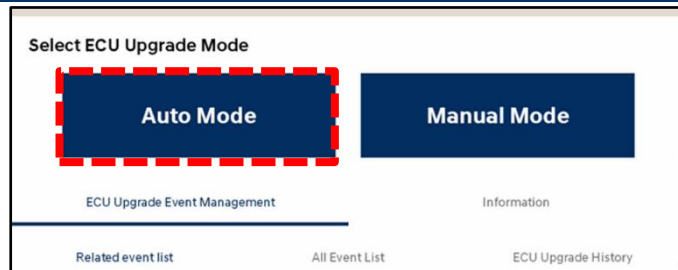
CLU Update Procedure: Event 1476 (MCU)

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



Information

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

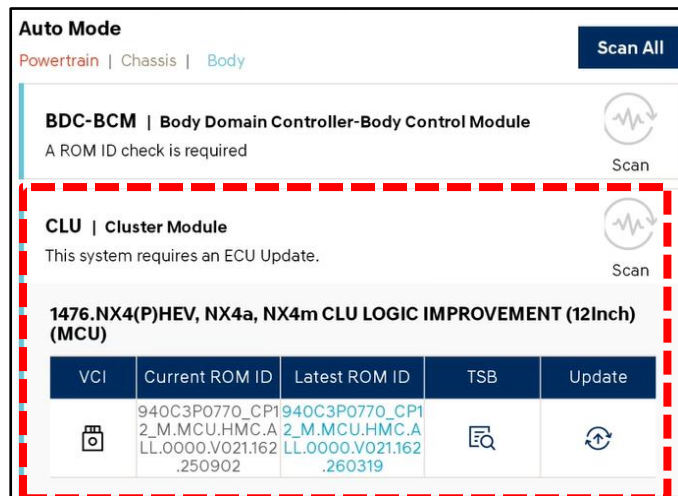


2. Verify the ROM ID by selecting the **CLU** system to scan the vehicle's current ROM ID.

NOTICE

Check the current ROM ID version and compare it to the [ROM ID Information](#) table before attempting to perform the software update.

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.

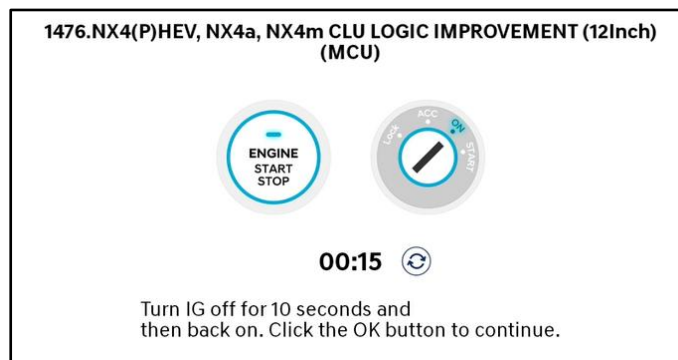


3. After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit.



Information

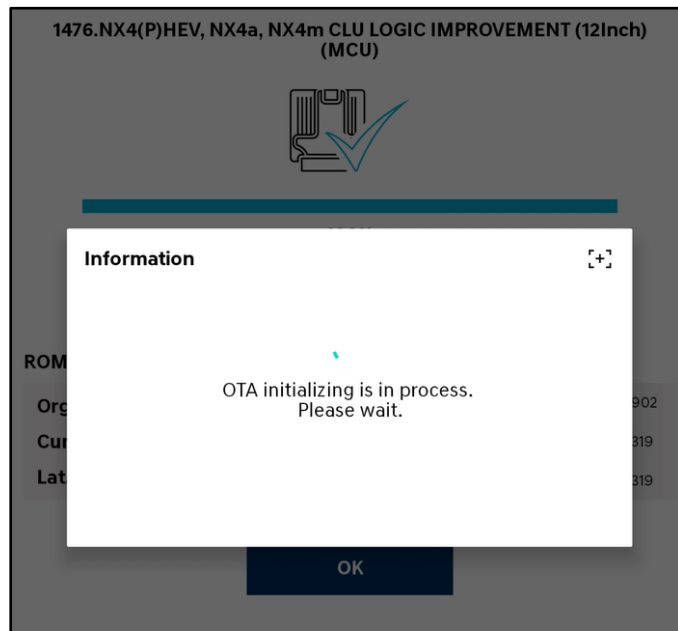
Use the **Refresh** button to reset the timer.



4. The GDS will automatically perform the OTA initializing.

NOTICE

If the GDS does **NOT** automatically perform the OTA initializing, then perform this procedure after **all applicable modules** have been updated successfully.



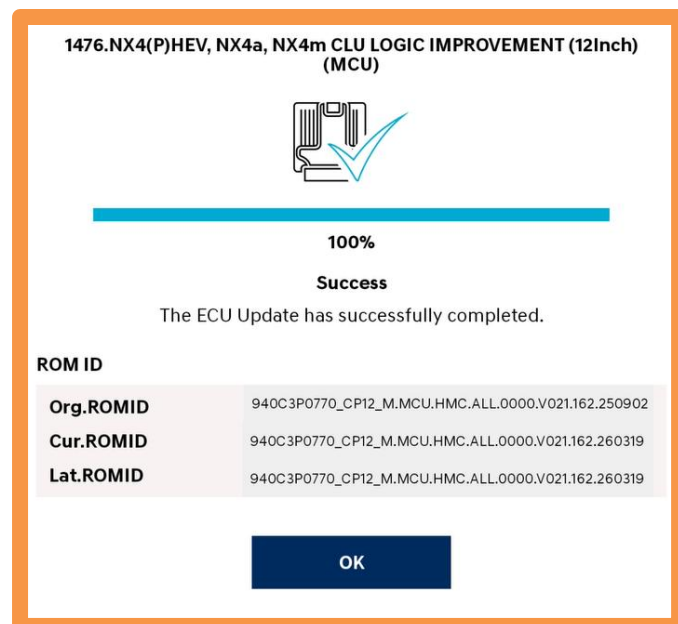
- 5.

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.

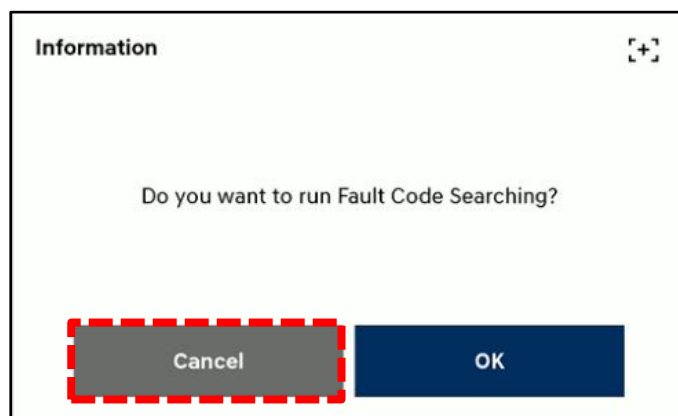
NOTE: The VIN/Date/Time/Mileage photo imprint is **NOT** required for GDS screenshots.



6. Select **Cancel**.

**Information**

The fault code search will be performed after all the applicable modules have been updated.



Post-Update Procedure (skip step 3 if not applicable)

1. Remove the power connector of the indoor fuse box and reconnect after **5 seconds**.



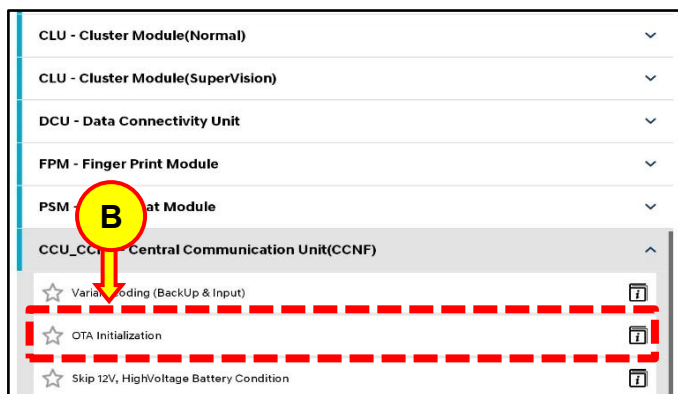
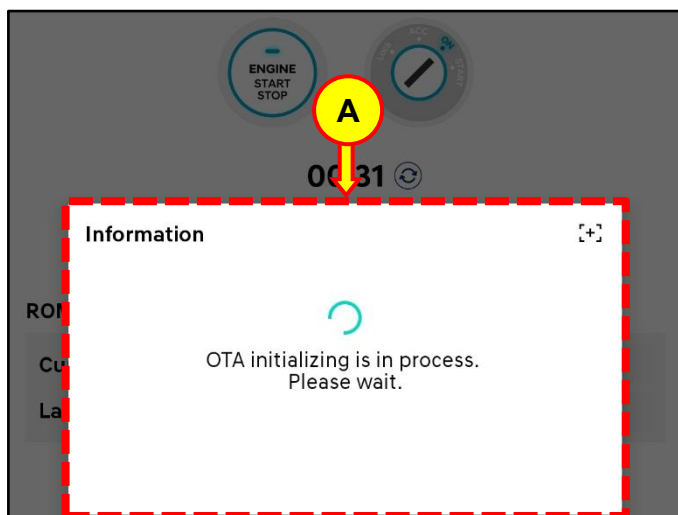
2. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.
3. OTA initialization (A) should perform automatically after the software update:
 - If OTA initialization performs automatically, then proceed with the service procedure.
 - If the 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.



Information

Skip this step if **NOT** needed.



4. Start the engine to confirm proper operation of the vehicle and functionality of the seats.
5. 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	Menu	Password
1495	NX4(P)HEV, NX4a, NX4m CLU 940C3-N9000/N9700/CW000/CW070/HD000/HD070 (AP)	1997
	NX4(P)HEV CLU 940C3-P0770 (AP)	0504
1494	X4(P)HEV 940C3-N9000 (MCU)	2003
	NX4(P)HEV 940C3-N9700 (MCU)	1497
	NX4(P)HEV 940C3-P0770 (MCU)	2037
	NX4a 940C3-CW000 (MCU)	0497
	NX4a 940C3-CW070 (MCU)	0348
	NX4m 940C3-HD000/HD070 (MCU)	0038
1477	NX4(P)HEV, NX4a, NX4m CLU 940C3-N9000/N9700/P0770/CW000/CW070/HD000/HD070 (AP)	0429
1476	NX4(P)HEV 940C3-N9000 (MCU)	6842
	NX4(P)HEV 940C3-N9700 (MCU)	3897
	NX4(P)HEV 940C3-P0770 (MCU)	0640
	NX4a 940C3-CW000 (MCU)	1456
	NX4a 940C3-CW070 (MCU)	0945
	NX4m 940C3-HD000/HD070 (MCU)	3875

FoD ROM ID Information: Event 1495 & 1494

Model	Event	System	ECU Part Number	ROM ID	
				Current	Latest
Tucson (NX4)	1495	FoD Unit 2 (AP)	940C3-N9000	CP12_M.AP.HMC.ALL.0000.V010.070.231108 CP12_M.AP.HMC.ALL.0000.V010.070.231201 CP12_M.AP.HMC.ALL.0000.V010.070.240416 CP12_M.AP.HMC.ALL.0000.V010.070.240906 CP12_M.AP.HMC.ALL.0000.V010.070.250917 CP12_M.AP.HMC.ALL.0000.V010.070.250918 CP12_M.AP.HMC.ALL.0000.V010.070.260108 CP12_M.AP.HMC.ALL.0000.V010.070.260204	CP12_M.AP.HMC.ALL.0000.V021.144.251215
			940C3-N9700	CP12_M.AP.HMC.ALL.0000.V012.083.250528 CP12_M.AP.HMC.ALL.0000.V012.083.250717 CP12_M.AP.HMC.ALL.0000.V012.083.250812 CP12_M.AP.HMC.ALL.0000.V012.083.250901	
			940C3-P0770	CP12_M.AP.HMC.ALL.0000.V012.083.250528 CP12_M.AP.HMC.ALL.0000.V012.083.250717 CP12_M.AP.HMC.ALL.0000.V012.083.250812 CP12_M.AP.HMC.ALL.0000.V012.083.250901	CP12_M.AP.HMC.ALL.0000.V021.144.260323
Tucson (NX4A)			940C3-CW000	CP12_M.AP.HMC.ALL.0000.V012.083.240524 CP12_M.AP.HMC.ALL.0000.V012.083.240704 CP12_M.AP.HMC.ALL.0000.V012.083.240905 CP12_M.AP.HMC.ALL.0000.V012.083.250917	CP12_M.AP.HMC.ALL.0000.V021.144.251215
			940C3-CW070	CP12_M.AP.HMC.ALL.0000.V012.083.250528 CP12_M.AP.HMC.ALL.0000.V012.083.250717 CP12_M.AP.HMC.ALL.0000.V012.083.250812 CP12_M.AP.HMC.ALL.0000.V012.083.250901	
Tucson (NX4M)			940C3-HD000	CP12_M.AP.HMC.ALL.0000.V016.092.240325 CP12_M.AP.HMC.ALL.0000.V016.092.240523 CP12_M.AP.HMC.ALL.0000.V016.092.240607 CP12_M.AP.HMC.ALL.0000.V016.092.240704 CP12_M.AP.HMC.ALL.0000.V016.092.240905 CP12_M.AP.HMC.ALL.0000.V016.092.250917	
			940C3-HD070	CP12_M.AP.HMC.ALL.0000.V016.092.250528 CP12_M.AP.HMC.ALL.0000.V016.092.250716 CP12_M.AP.HMC.ALL.0000.V016.092.250812 CP12_M.AP.HMC.ALL.0000.V016.092.250904	
Tucson (NX4)	1494	FoD Unit 1 (MCU)	940C3-N9000	CP12_M.MCU.HMC.ALL.0000.V010.072.230825 CP12_M.MCU.HMC.ALL.0000.V010.072.231129 CP12_M.MCU.HMC.ALL.0000.V010.072.240405 CP12_M.MCU.HMC.ALL.0000.V010.072.240807 CP12_M.MCU.HMC.ALL.0000.V010.072.250526	CP12_M.MCU.HMC.ALL.0000.V021.162.250702
			940C3-N9700	CP12_M.MCU.HMC.ALL.0000.V012.085.250527	CP12_M.MCU.HMC.ALL.0000.V021.162.250715
			940C3-N0770		CP12_M.MCU.HMC.ALL.0000.V021.162.250902
Tucson (NX4A)			940C3-CW000	CP12_M.MCU.HMC.ALL.0000.V012.085.240708 CP12_M.MCU.HMC.ALL.0000.V012.085.240717 CP12_M.MCU.HMC.ALL.0000.V012.085.240806 CP12_M.MCU.HMC.ALL.0000.V012.085.250522	CP12_M.MCU.HMC.ALL.0000.V021.162.250715
			940C3-CW070	CP12_M.MCU.HMC.ALL.0000.V012.085.250527	
Tucson (NX4M)			940C3-HD000	CP12_M.MCU.HMC.ALL.0000.V016.095.240301 CP12_M.MCU.HMC.ALL.0000.V016.095.240507 CP12_M.MCU.HMC.ALL.0000.V016.095.240806 CP12_M.MCU.HMC.ALL.0000.V016.095.250527	CP12_M.MCU.HMC.ALL.0000.V021.162.250813
			940C3-HD070	CP12_M.MCU.HMC.ALL.0000.V016.095.250528	

CLU ROM ID Information: Event 1477 & 1476

Model	Event	System	ECU Part Number	ROM ID	
				Current	Latest
Tucson (NX4)	1477	CLU UNIT2 (AP)	940C3-N9000	CP12_M.AP.HMC.ALL.0000.V021.144. 251215	CP12_M.AP.HMC.ALL.0000.V021.144. 260326
			940C3-N9700		
			940C3-N0770	CP12_M.AP.HMC.ALL.0000.V021.144. 260323	
Tucson (NX4A)			940C3-CW000	CP12_M.AP.HMC.ALL.0000.V021.144. 251215	
			940C3-CW070		
Tucson (NX4M)			940C3-HD000		
			940C3-HD070		
Tucson (NX4)	1476	CLU UNIT1 (MCU)	940C3-N9000	CP12_M.MCU.HMC.ALL.0000.V021.162.250702	CP12_M.MCU.HMC.ALL.0000.V021.162.260317
			940C3-N9700	CP12_M.MCU.HMC.ALL.0000.V021.162.250715	
			940C3-N0770	CP12_M.MCU.HMC.ALL.0000.V021.162.250902	CP12_M.MCU.HMC.ALL.0000.V021.162.260319
Tucson (NX4A)			940C3-CW000	CP12_M.MCU.HMC.ALL.0000.V021.162.250715	CP12_M.MCU.HMC.ALL.0000.V021.162.260317
			940C3-CW070		
Tucson (NX4M)			940C3-HD000	CP12_M.MCU.HMC.ALL.0000.V021.162.250813	CP12_M.MCU.HMC.ALL.0000.V021.162.260319
			940C3-HD070		