



HYUNDAI

Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 25-01-030H
DATE APRIL 2025	MODEL(S) TUCSON (NX4A)

SUBJECT: FPM SOFTWARE UPDATE – DTC B18CC00
(SERVICE CAMPAIGN TCZ)

★ 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 2025MY Tucson (NX4A) vehicles equipped with a fingerprint reader may experience a “Check User Authentication” error message on the instrument cluster display. When the message appears, it may prevent usage of the Fingerprint Module (FPM). The DTC captured for this concern is “B18CC00 - IAU Teaching Error (w/FPM).” This bulletin provides instructions to perform a software update for the Fingerprint Module (FPM).

Applicable Vehicles (Certain):

- 2025MY Tucson (NX4A) produced 06/20/2024 – 04/15/2025

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			

GDS Information:

System	Event Number	Description
FPM	1245	NX4a FL FPM LOGIC IMPROVEMENT (B18CC00)

(*or use a later available event as listed in the GDS FPM 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.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Tucson (NX4A)	50DA10R0	FPM Software Update	0.4 M/H	955C0-N9000	W11	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: Op times include VIN, Mileage, and photo capture of the “ECU update complete” screen as outlined in the Digital Documentation Policy.

ROM ID Information:

Model	Event	System	ECU Part Number	ROM ID	
				Old	New
Tucson (NX4A)	1245	FPM	955C0-N9000	1.50	1.60

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 the update from failing.

**Information**

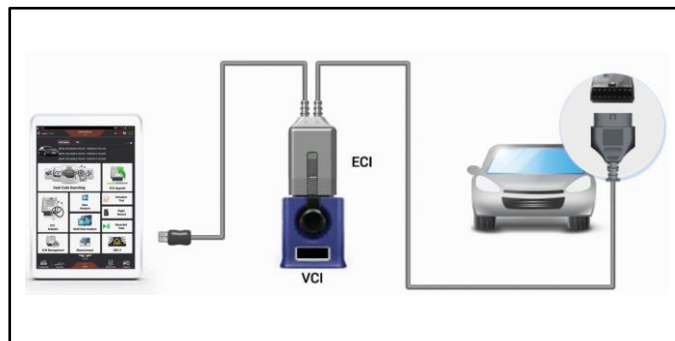
- Turn **OFF** all lamps (do **NOT** leave head lamp switch in auto mode) and all accessories.
- Perform update with the ignition switch in the **ON** position.
- Do **NOT** disconnect any cables connected to the vehicle or scan tool during update.
- Do **NOT** start the engine during update.
- Do **NOT**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

The connection between the VCI 2 and tablet PC is wireless, whereas the tablet PC is connected to the vehicle through the ECI (Ethernet adapter).

If using the VCI 3, the ECI is **NOT** needed. Connect the tablet directly to the VCI 3 using the USB-C to 19-Pin Cable supplied in the VCI 3 Kit.

ECU Update Procedure

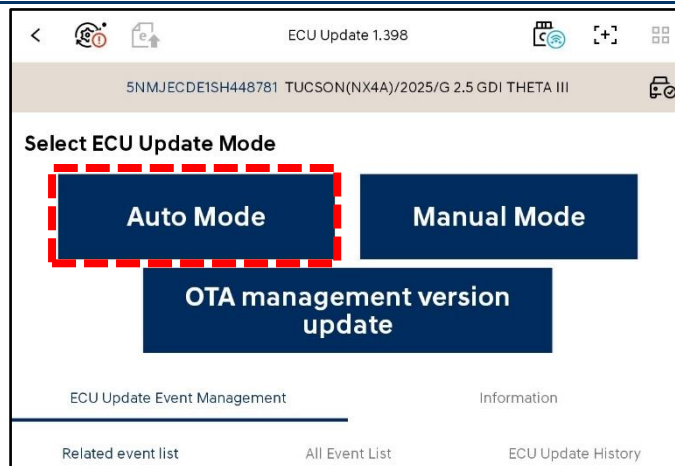
1. Perform the ECU update in **Auto Mode**.

After selecting **Auto Mode**, please check the control unit's ROM ID.



Information

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



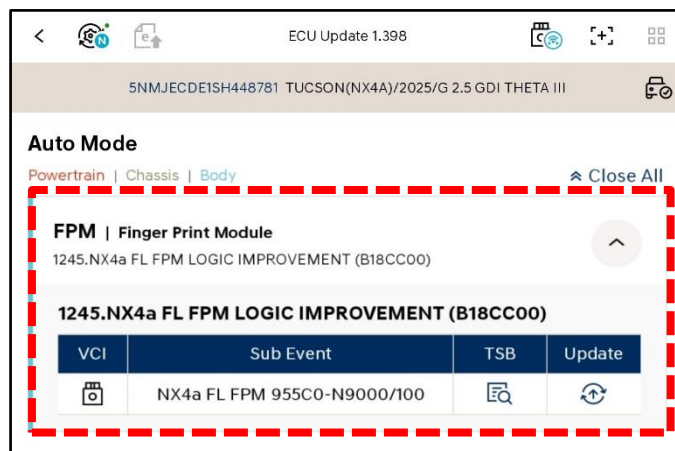
2. Select the **FPM** system to scan the vehicle's current ROM ID.

NOTICE

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

NOTICE

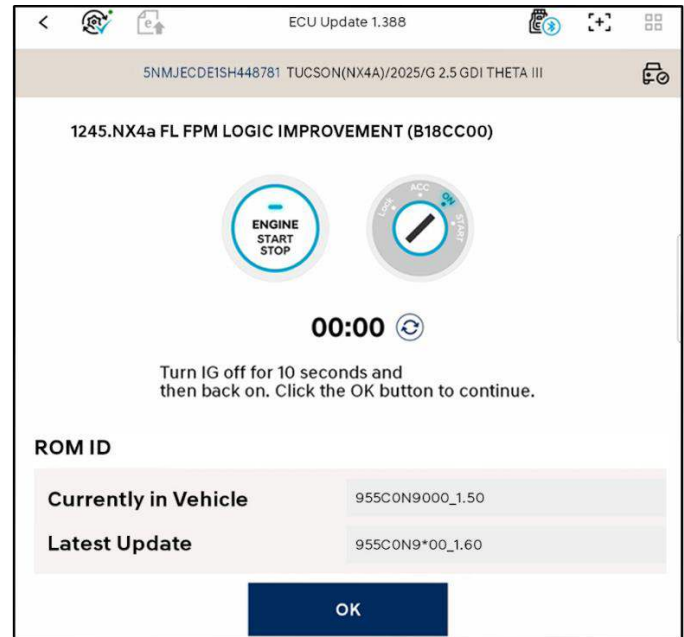
If the update fails, please remove the power connector from the in-cabin fuse box or disconnect the negative (–) battery terminal for at least **5 seconds** and reassemble it to retry the update.



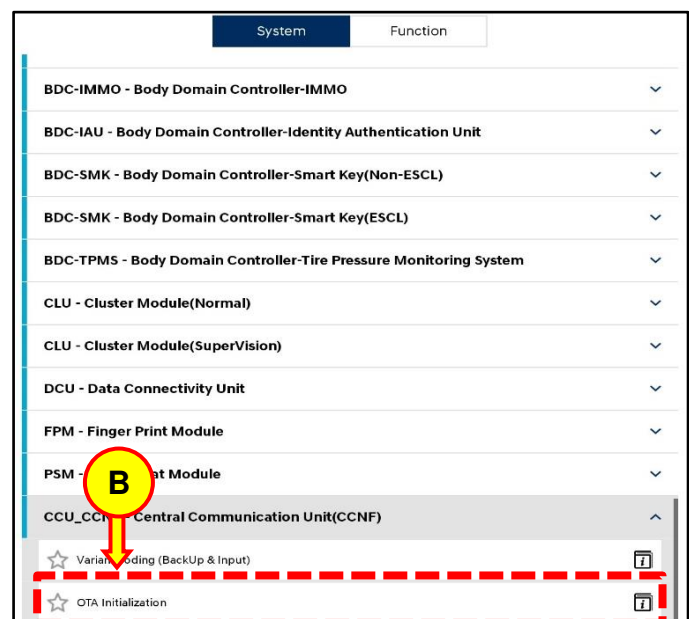
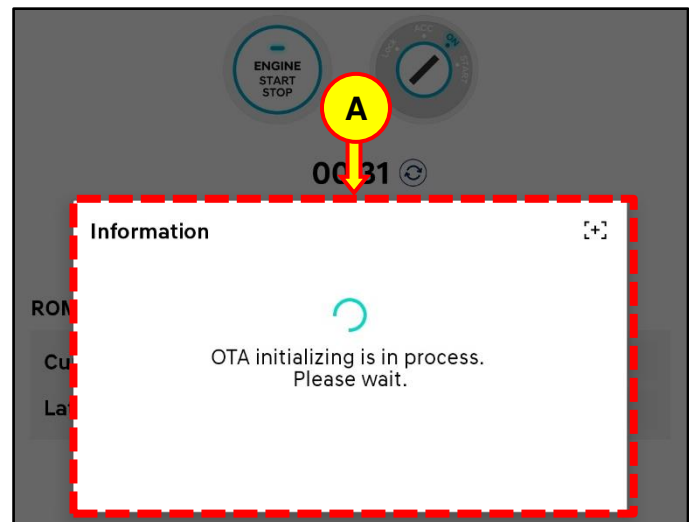
3. After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to **30 seconds**).


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.

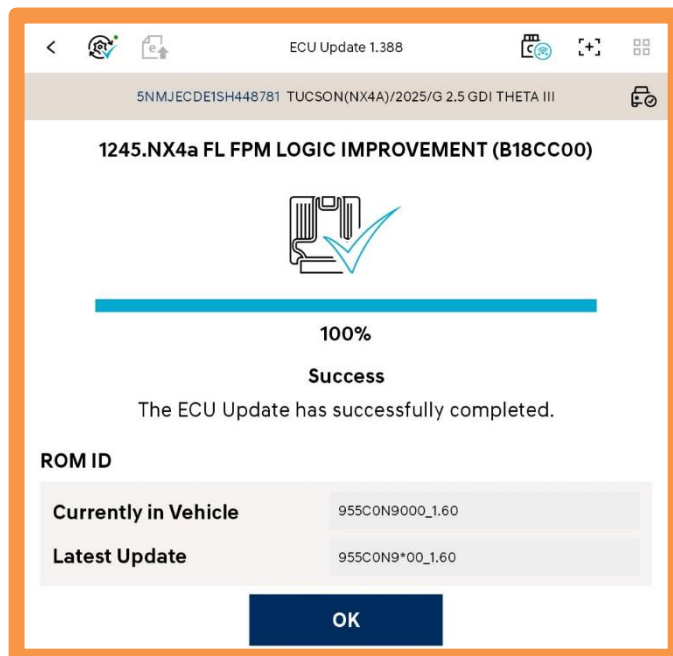


5.

**DIGITAL
DOCUMENTATION**



Take a screenshot of the ECU update complete screen using your tablet and upload to STUI.



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

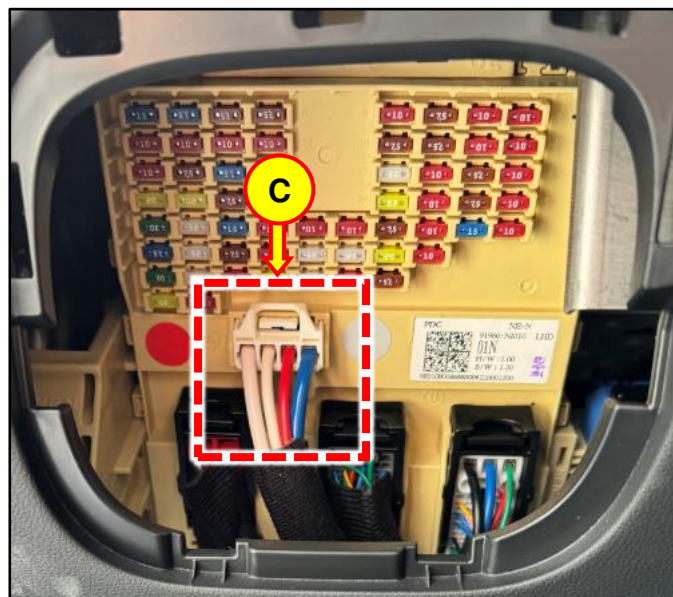


7. Disconnect the power connector (C) of the indoor fuse box, wait at least **5 seconds**, then reconnect it.



Information

Alternatively, disconnect the negative (–) **12V** battery terminal, wait **5 seconds**, then reconnect it.



8. Start the engine to confirm proper operation of the vehicle.

NOTICE

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

Manual Mode Password:

Event	ECM Menu	Password
1245	NX4a FL FPM 955C0-N9000	3692