



HYUNDAI

Technical Service Bulletin

GROUP
BODY ELECTRICAL

NUMBER
26-BE-025H

DATE
AUGUST 2026

MODEL(S)
SEE BELOW

SUBJECT: BDC & UWB SOFTWARE UPDATE FOR
DIGITAL KEY LOGIC IMPROVEMENT

★ IMPORTANT

This service procedure is **NOT** a campaign and should **NOT** be completed unless a customer has experienced an Over-the-Air (OTA) software update failure.

This service procedure includes enhanced software that shall be made available to customers without an active Bluelink service on their vehicle. If owners wish to be provided the enhanced software, it is to be offered under customer pay as warranty does **NOT** apply.

Description: Some Tucson (NX4, NX4A, NX4M), Tucson Hybrid (NX4 HEV), and Tucson Plug-In Hybrid (NX4 PHEV) vehicles may exhibit a 12-volt battery drain due to the passive entry feature of the Digital Key 2 premium causing repeated wakeup of the vehicle. This bulletin provides instructions to perform software updates for the Ultra-Wide Band (UWB) and Body Domain Control (BDC) modules.

Applicable Vehicles:

Model Year	Model
2025-2026	Tucson (NX4)
	Tucson (NX4A)
	Tucson (NX4M)
	Tucson Hybrid (NX4 HEV)
	Tucson Plug-In Hybrid (NX4 PHEV)

SST Information:

Tool Name	Tool Number	Figure	Ordering Information
VCI 3	G0VHNNN06		Website: https://hyundaiaessentialtools.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.

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

GDS Information:

Model	System	Event Number*	Description
Tucson (NX4A)	BDC-BCM	1424	NX4A BDC DIGITAL KEY LOGIC IMPROVEMENT
Tucson Hybrid (NX4 HEV) & Tucson Plug-In Hybrid (NX4 PHEV)		1425	NX4 HEV BDC DIGITAL KEY LOGIC IMPROVEMENT
Tucson (NX4)		1432	NX4 BDC DIGITAL KEY LOGIC IMPROVEMENT
Tucson (NX4M)		1438	NX4m BDC DIGITAL KEY LOGIC IMPROVEMENT
Tucson (NX4A) & Tucson Hybrid (NX4 HEV) & Tucson Plug-In Hybrid (NX4 PHEV) & Tucson (NX4)	UWB_BLE_MST	1441	1441. NX4(a) (HEV) UWB_BLE_MST DIGITAL KEY LOGIC IMPROVEMENT (SWID1)
		1442	NX4(a) (HEV) UWB_BLE_MST DIGITAL KEY LOGIC IMPROVEMENT (SWID2)
		1443	NX4(a) (HEV) UWB_BLE_SLV DIGITAL KEY LOGIC IMPROVEMENT (SWID1)
		1444	NX4(a) (HEV) UWB_BLE_SLV DIGITAL KEY LOGIC IMPROVEMENT (SWID2)
Tucson (NX4M)	UWB_BLE_SLV	1445	NX4m UWB_BLE_MST DIGITAL KEY LOGIC IMPROVEMENT (SWID1)
		1446	NX4m UWB_BLE_MST DIGITAL KEY LOGIC IMPROVEMENT (SWID2)
		1447	NX4m UWB_BLE_SLV DIGITAL KEY LOGIC IMPROVEMENT (SWID1)
		1448	NX4m UWB_BLE_SLV DIGITAL KEY LOGIC IMPROVEMENT (SWID2)

(*or use a later available event listed in the GDS **BDC-BCM, UWB_BLE_MST, & UWB_BLE_SLV** 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 active Bluelink subscriptions.

Warranty Information (only use if OTA fails):

Model	Op. Code	Description	Op. Time	Casual Part	Nature Code	Cause Code
Tucson (NX4)	955E0F03	UWB & BDC Software Update	0.8 M/H	Refer to WebLTS for applicable part to labor op code combination	I14	ZZ3
Tucson (NX4A)						
Tucson (NX4M)						
Tucson Hybrid (NX4 HEV)						
Tucson Plug-In Hybrid (NX4 PHEV)						

NOTE 1: Only use this above information if the OTA does not pass.

NOTE 2: Submit a "Warranty" claim on the "Claim Entry/Edit/Submit" screen on WebDCS and attach all required Digital Documentation per TSB to the claim.

NOTE 3: This TSB includes repair validation photos. Op times include VIN, mileage, and photo capture of the ECU Update "Success" screens 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.

Service Procedure:

DIGITAL DOCUMENTATION



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

NOTICE

This procedure requires the **IGNITION ON** for an extended duration; **a battery charger must be connected to maintain stable system voltage during software updates.**

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.

i Information

5 updates MUST be performed:

- There is **1** update for the **BDC-BCM** controller and **4** updates for the **UWB BLE** controller (**2** updates for the master and **2** updates for the slave labeled SWID1 and SWID2). The updates can be performed in any order.

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** start the engine OR place in **Ready** mode during the update.
- Do **NOT** turn **OFF** the ignition switch during the update.

BDC Update Procedure – Event 1424, 1425, 1432, & 1438**NOTICE**

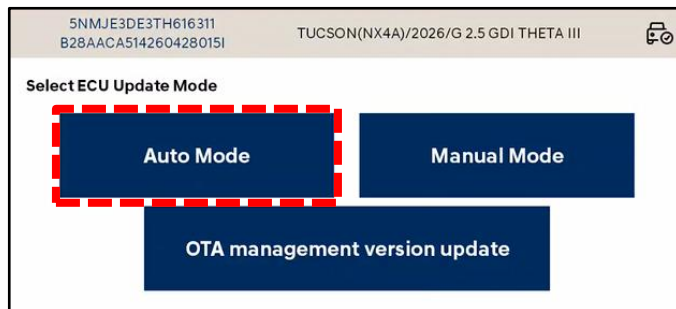
You must initially perform the GDS BDC-BCM ECU update in Auto Mode.

- If the ECU update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

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

**Information**

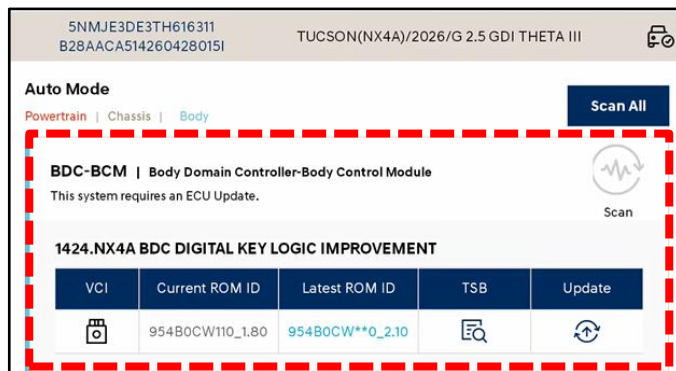
Refer to **TSB # 25-GI-011H**, “ECU Update Procedure for Tablet-Based GDS-Smart”, for additional information.



2. Verify the ROM ID by selecting the **BDC-BCM** 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.

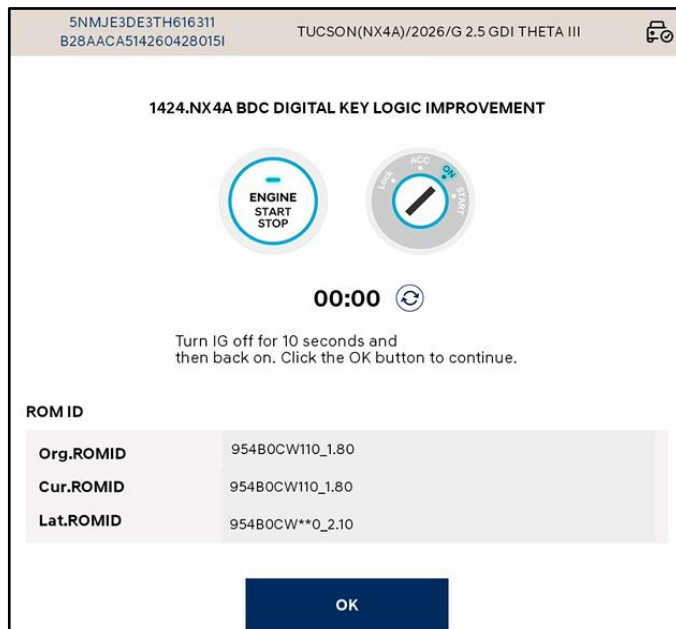
**NOTICE**

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.

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

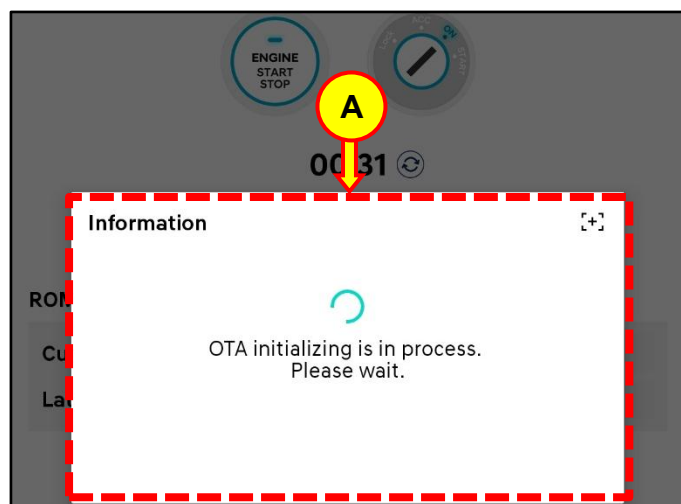
Use the **Refresh** button to reset the timer.



4. OTA initialization (A) should perform automatically.

NOTICE

If the GDS does **NOT** automatically perform the OTA initialization, then perform this procedure after **ALL APPLICABLE MODULES** have been updated successfully.



5. Select **OK**.

Digital Documentation for Event 1424:

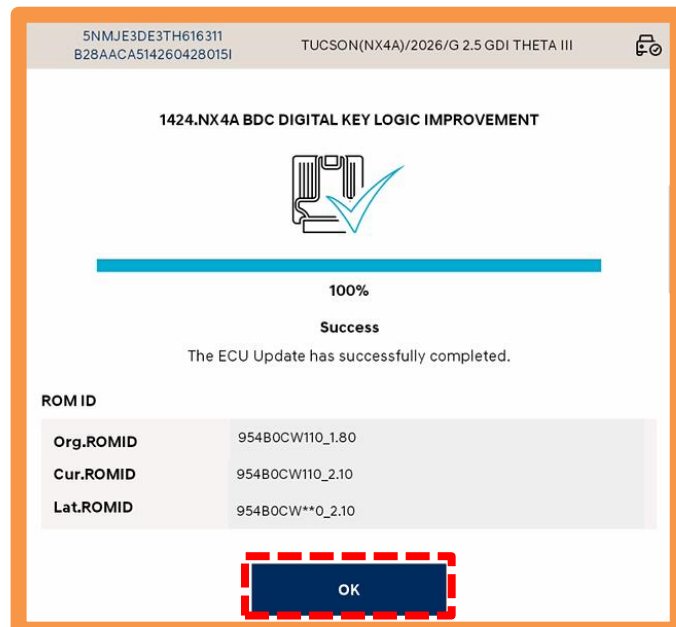
DIGITAL DOCUMENTATION



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.

Information

Do you want to run Fault Code Searching?

Cancel

OK

NOTICE

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

Event	Menu	Password
1424	NX4a BDC 954B0-CW100/200/110/210/120/220/130/230/140/240/150/250	1359
1425	NX4 HEV BDC 954B0-P0100/110/120/620/130/140/150/650/210/220/720/230/240/250/750/400/410/430/440	5986
1432	NX4 BDC 954B0-N9100/110/120/130/140/150/160/9170/400/410/440/450	5873
1438	NX4m BDC 954B0-CW100/200/110/210/120/220/130/230/140/240/150/250	4586

7. Proceed to the [UWB Update Procedure – Events 1441, 1442, 1443, 1444 \(NX4, NX4A, NX4 HEV, NX4 PHEV\) Events 1445, 1446, 1447, 1448 \(NX4M\)](#) section to perform **4 software updates**:

UWB Update Procedure – Events 1441, 1442, 1443, 1444 (NX4, NX4A, NX4 HEV, NX4 PHEV) & Events 1445, 1446, 1447, 1448 (NX4M)**i Information**

NX4M has separate event numbers for all four updates but the procedure is the exact same.

NOTICE

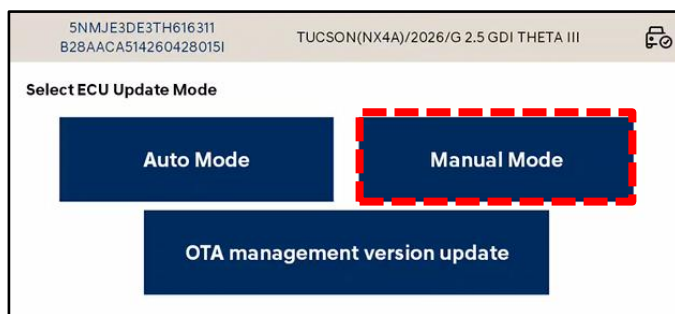
You can only perform the GDS UWB_BLE ECU updates in Manual Mode.

The updates can only be performed in Manual Mode as there are two updates per master and slave that have identical part numbers for SWID1 and SWID2.

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

i Information

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



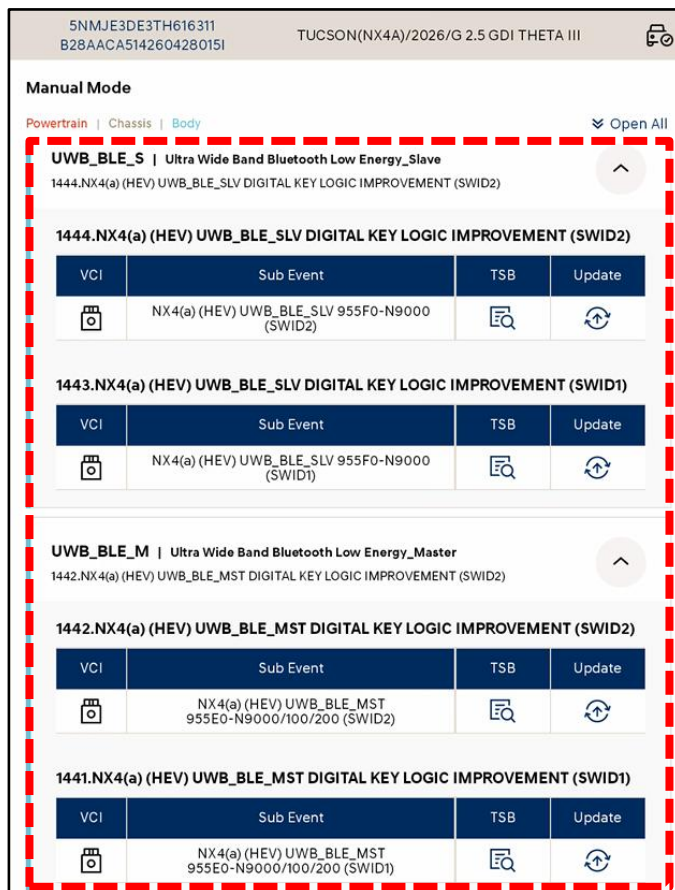
2. Select the **UWB_BLE** system and tap the update icon to begin.

i Information

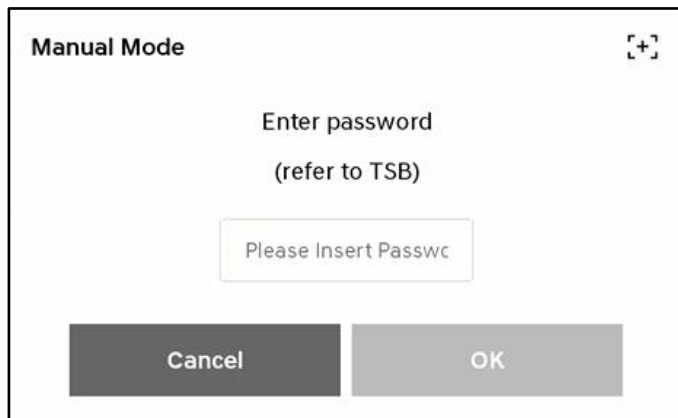
Update the Sub Events from top to bottom to avoid repeating updates, but updating in a specific order is **NOT** required. Due to this update **ONLY** being available in **Manual Mode**, a GDS scan cannot be performed to confirm if the controllers have already been updated.

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.



3. Input the password(s) listed below.



Manual Mode

Enter password
(refer to TSB)

Please Insert Passwc

Cancel OK

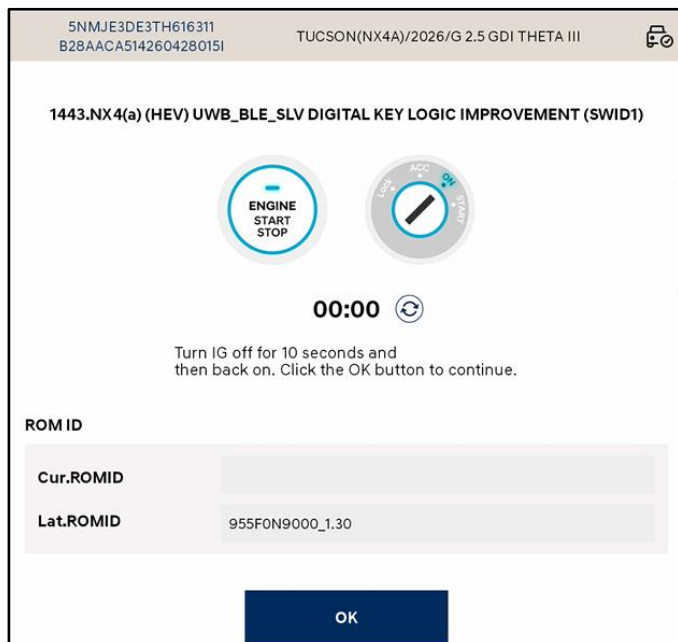
Manual Mode Password:

Event	Menu	Password
1441	NX4(a) (HEV) UWB_BLE_MST 955E0-N9000/100/200 (SWID1)	7952
1442	NX4(a) (HEV) UWB_BLE_MST 955E0-N9000/100/200 (SWID2)	7953
1443	NX4(a) (HEV) UWB_BLE_SLV 955F0-N9000 (SWID1)	9764
1444	NX4(a) (HEV) UWB_BLE_SLV 955F0-N9000 (SWID2)	9765
1445	NX4m UWB_BLE_MST 955E0-N9000/100/200 (SWID1)	7952
1446	NX4m UWB_BLE_MST 955E0-N9000/100/200 (SWID2)	7953
1447	NX4m UWB_BLE_SLV 955F0-N9000 (SWID1)	9764
1448	NX4m UWB_BLE_SLV 955F0-N9000 (SWID2)	9765

4. 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.



5NMJE3DE3TH616311
B28AACAS14260428015I

TUCSON(NX4A)/2026/G 2.5 GDI THETA III

1443.NX4(a) (HEV) UWB_BLE_SLV DIGITAL KEY LOGIC IMPROVEMENT (SWID1)

ENGINE START STOP

00:00

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

ROM ID

Cur.ROMID

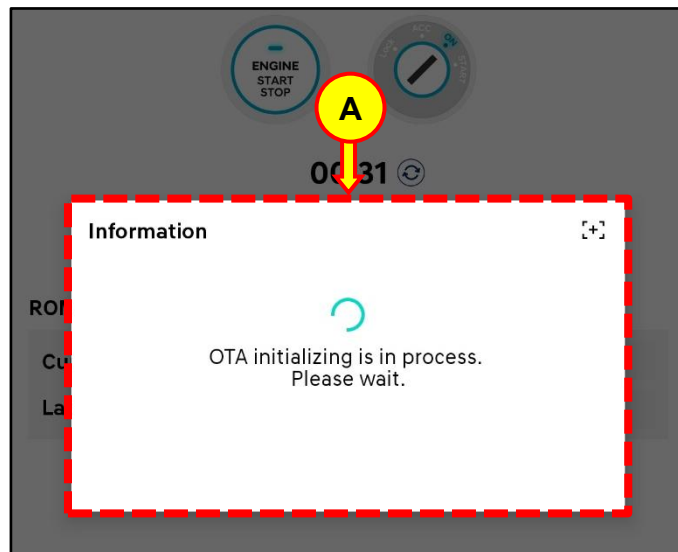
Lat.ROMID 955F0N9000_1.30

OK

5. OTA initialization (A) should perform automatically.

NOTICE

If the GDS does **NOT** automatically perform the OTA initialization, then perform this procedure after **ALL APPLICABLE MODULES** have been updated successfully.



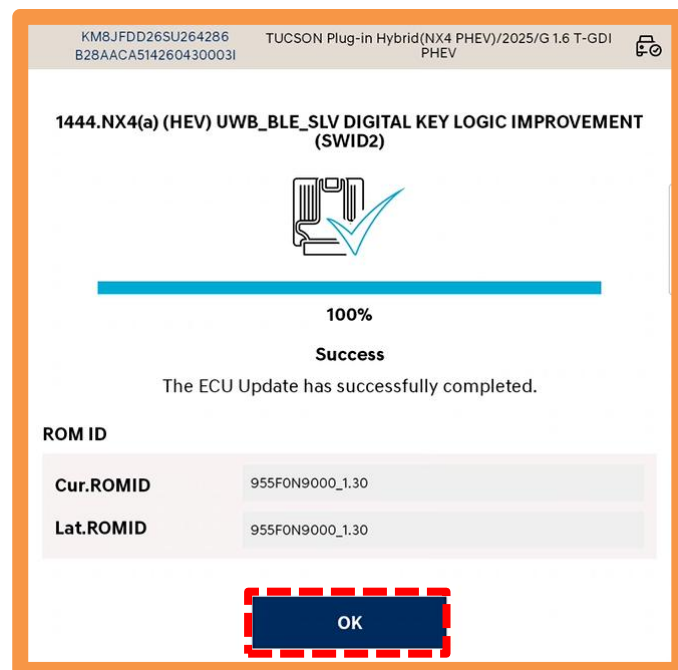
6. Select **OK**.

Digital Documentation for Event 1444:**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.

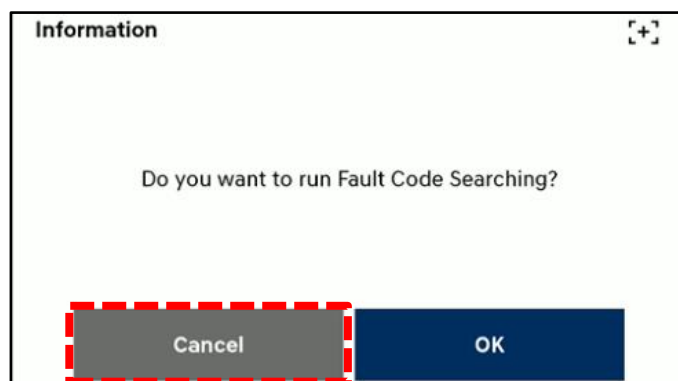
NOTE: The VIN/Date/Time/Mileage photo imprint is **NOT** required for GDS screenshots.



7. Select **Cancel**.

**Information**

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



8. Repeat **steps 1-7** for the **UWB BLE Update Procedure** for the remaining **3** updates.

i Information

Digital Documentation photos are **REQUIRED** for the remaining **3** updates.

Digital Documentation for Event 1443:**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.

5NMJE3DE3TH616311
B28AACAS142604280151

TUCSON(NX4A)/2026/G 2.5 GDI THETA III

1443.NX4(a) (HEV) UWB_BLE_SLV DIGITAL KEY LOGIC IMPROVEMENT (SWID1)

100%

Success

The ECU Update has successfully completed.

ROM ID

Cur.ROMID	955F0N9000_1.30
Lat.ROMID	955F0N9000_1.30

OK

Digital Documentation for Event 1442:**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.

KM8JFDD26SU264286
B28AACAS142604300031

TUCSON Plug-in Hybrid(NX4 PHEV)/2025/G 1.6 T-GDI PHEV

1442.NX4(a) (HEV) UWB_BLE_MST DIGITAL KEY LOGIC IMPROVEMENT (SWID2)

100%

Success

The ECU Update has successfully completed.

ROM ID

Cur.ROMID	955E0N9000_1.30
Lat.ROMID	955E0N9*00_1.30

OK

Digital Documentation for Event 1441:

**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.

KM8JFDD26SU264286
B28AACAS14260430003I

TUCSON Plug-in Hybrid(NX4 PHEV)/2025/G 1.6 T-GDI
PHEV

1441.NX4(a) (HEV) UWB_BLE_MST DIGITAL KEY LOGIC IMPROVEMENT (SWID1)

100%

Success
The ECU Update has successfully completed.

ROM ID

Cur.ROMID	955E0N9000_1,30
Lat.ROMID	955E0N9*00_1,30

OK

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

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

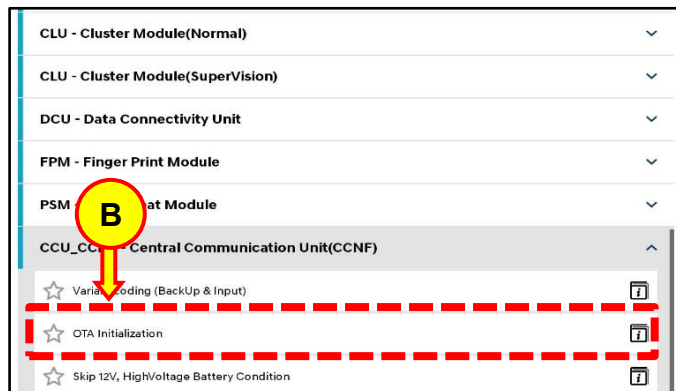


2. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.
3. If any of the OTA initialization processes failed during the procedure, complete it manually under:
S/W Management > CCU_CCNF - Central Communication Unit (CCNF) > OTA Initialization (B).

Follow the instructions on the screen.

i Information

Skip this step if **NOT** needed.



4. Start the engine OR place in **Ready** mode to confirm proper operation of the vehicle.
5. The service procedure is now complete.

BDC ROM ID Information:

Model	Event	System	ECU Part Number	ROM ID	
				Current	Latest
Tucson (NX4A)	1424	BDC-BCM	954B0-CW100 954B0-CW200 954B0-CW110 954B0-CW210 954B0-CW120 954B0-CW220 954B0-CW130 954B0-CW230 954B0-CW140 954B0-CW240 954B0-CW150 954B0-CW250	1.40 1.70 1.80 2.00	2.10
Tucson Hybrid (NX4 HEV) & Tucson Plug-In Hybrid (NX4 PHEV)	1425		954B0-P0100 954B0-P0110 954B0-P0120 954B0-P0620 954B0-P0130 954B0-P0140 954B0-P0150 954B0-P0650 954B0-P0200 954B0-P0210 954B0-P0220 954B0-P0720 954B0-P0230 954B0-P0240 954B0-P0250 954B0-P0750 954B0-P0400 954B0-P0410 954B0-P0430 954B0-P0440	1.00 1.40 1.70 1.80 1.90 2.00	
Tucson (NX4)	1432		954B0-N9100 954B0-N9110 954B0-N9120 954B0-N9130 954B0-N9140 954B0-N9150 954B0-N9160 954B0-N9170 954B0-N9400 954B0-N9410 954B0-N9440 954B0-N9450		
Tucson (NX4M)	1438		954B0-CW100 954B0-CW200 954B0-CW110 954B0-CW210 954B0-CW120 954B0-CW220 954B0-CW130 954B0-CW230 954B0-CW140 954B0-CW240 954B0-CW150 954B0-CW250	1.40 1.70 1.80 2.00	

UWB ROM ID Information:

Model	Event	System	ECU Part Number	ROM ID	
				Current	Latest
Tucson (NX4A) & Tucson Hybrid (NX4 HEV) & Tucson Plug-In Hybrid (NX4 PHEV) & Tucson (NX4)	1441 1442 1443 1444	UWB_BLE_MST	955E0-N9000 955E0-N9100 955E0-N9200	SWID1: 1.10 1.20 SWID2: 1.00 1.10 1.20	SWID1: 1.30 SWID2: 1.30
		UWB_BLE_SLV	955F0-N9000	SWID1: 1.10 1.20 SWID2: 1.00 1.10 1.20	SWID1: 1.30 SWID2: 1.30
		UWB_BLE_MST	955E0-N9000 955E0-N9100 955E0-N9200	SWID1: 1.10 1.20 SWID2: 1.00 1.10 1.20	SWID1: 1.30 SWID2: 1.30
		UWB_BLE_SLV	955F0-N9000	SWID1: 1.10 1.20 SWID2: 1.00 1.10 1.20	SWID1: 1.30 SWID2: 1.30
Tucson (NX4M)	1445 1446 1447 1448	UWB_BLE_MST	955E0-N9000 955E0-N9100 955E0-N9200	SWID1: 1.10 1.20 SWID2: 1.00 1.10 1.20	SWID1: 1.30 SWID2: 1.30
		UWB_BLE_SLV	955F0-N9000	SWID1: 1.10 1.20 SWID2: 1.00 1.10 1.20	SWID1: 1.30 SWID2: 1.30