



HYUNDAI

Technical Service Bulletin

GROUP
BODY ELECTRICAL

NUMBER
26-BE-026H

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 Santa Fe (MX5A) and Santa Fe Hybrid (MX5A HEV) 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
2024-2026	Santa Fe (MX5A)
	Santa Fe Hybrid (MX5A HEV)

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
Santa Fe (MX5A)	BDC-BCM	1426	MX5A BDC DIGITAL KEY LOGIC IMPROVEMENT
Santa Fe Hybrid (MX5A HEV)		1427	MX5A HEV BDC DIGITAL KEY LOGIC IMPROVEMENT
Santa Fe (MX5A) & Santa Fe Hybrid (MX5A HEV)	UWB_BLE_MST	1449	MX5(a) (HEV) UWB_BLE_MST DIGITAL KEY LOGIC IMPROVEMENT (SWID1)
		1450	MX5(a) (HEV) UWB_BLE_MST DIGITAL KEY LOGIC IMPROVEMENT (SWID2)
	UWB_BLE_SLV	1451	MX5(a) (HEV) UWB_BLE_SLV DIGITAL KEY LOGIC IMPROVEMENT (SWID1)
		1452	MX5(a) (HEV) 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.

ROM ID Information:

Model	Event	System	ECU Part Number	ROM ID	
				Current	Latest
Santa Fe (MX5A)	1426	BDC-BCM	95400-R6000 95400-R6020 95400-R6030 95400-R6100	2.00 2.10 2.20	2.40
Santa Fe Hybrid (MX5A HEV)	1427		95400-HB000 95400-HB100		
Santa Fe (MX5A) & Santa Fe Hybrid (MX5A HEV)	1449 1450	UWB_BLE_MST	955E0-P6000	SWID1: 1.10 1.20 1.30 1.40 SWID2: 1.10 1.20 1.30	SWID1: 1.50 SWID2: 1.40
	1451 1452	UWB_BLE_SLV	955F0-P6000		

Warranty Information (only use if OTA fails):

Model	Op. Code	Description	Op. Time	Casual Part	Nature Code	Cause Code
Santa Fe (MX5A) & Santa Fe Hybrid (MX5A HEV)	955E0F03	UWB & BDC Software Update	0.8 M/H	Refer to WebLTS for applicable part to labor op code combination	I14	ZZ3

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.



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.



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 1426 & 1427**NOTICE**

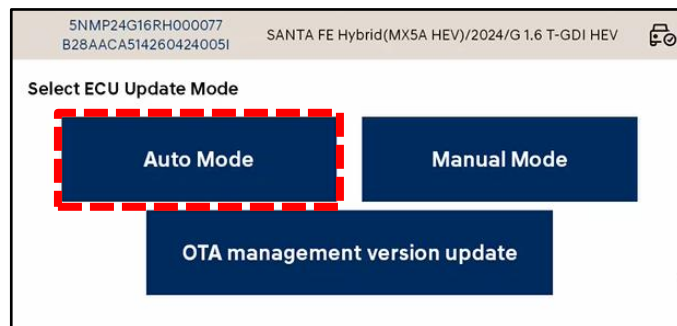
You must initially perform the GDS BDC-BCM ECU update in Auto Mode.

- 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

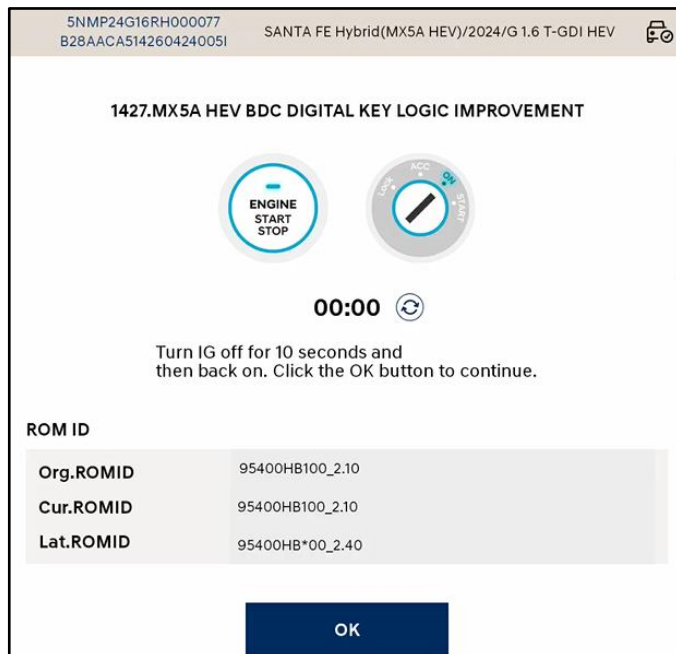
If the update fails, remove the power connector from the in-cabin fuse box for at least **5 seconds**. Alternatively, disconnect the negative (–) **12V** battery terminal and wait at least **5 seconds**. Reassemble and retry the update.



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

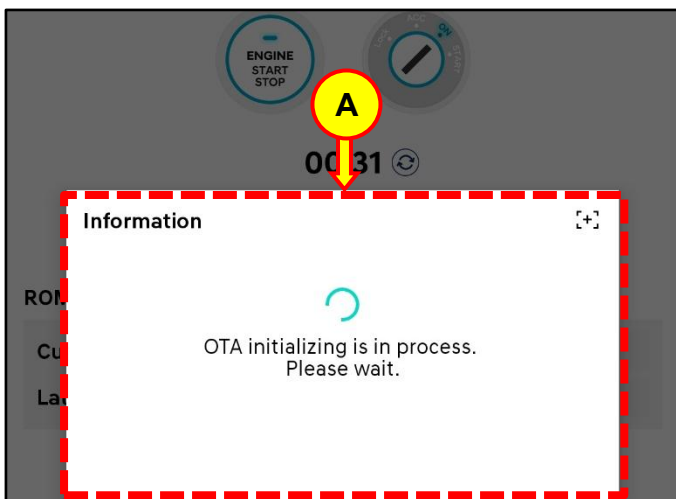
Use the **Refresh** button to reset the timer.



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 1427:

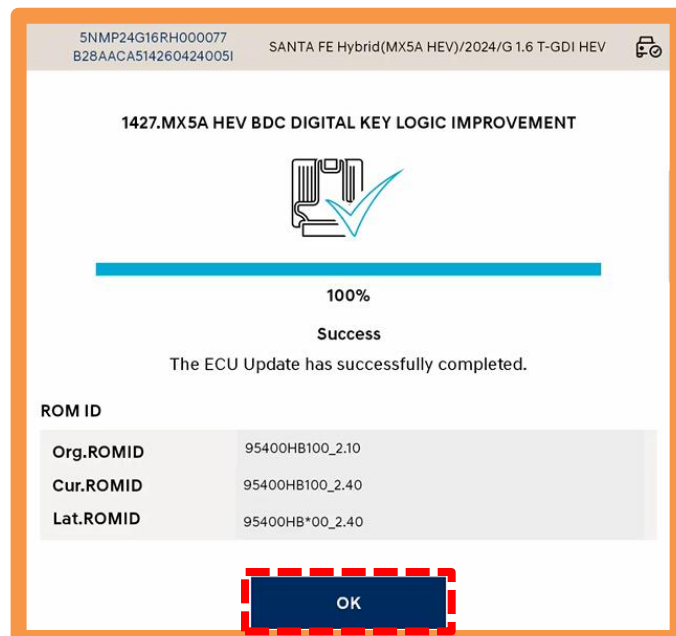
DIGITAL DOCUMENTATION



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
1426	MX5a BDC 95400-R6000/020/030/100	5703
1427	MX5a HEV BDC 95400-HB000/100	8464

7. Proceed to the [UWB Update Procedure – Events 1449, 1450, 1451, 1452](#) section to perform **4 software updates**.

UWB Update Procedure – Events 1449, 1450, 1451, 1452

NOTICE

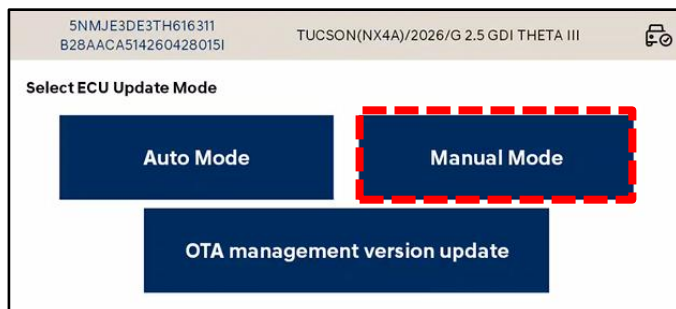
You can only perform the GDS UWB_BLE ECU updates in Manual Mode.

The updates can **ONLY** be performed in Manual Mode as there are **2** 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.



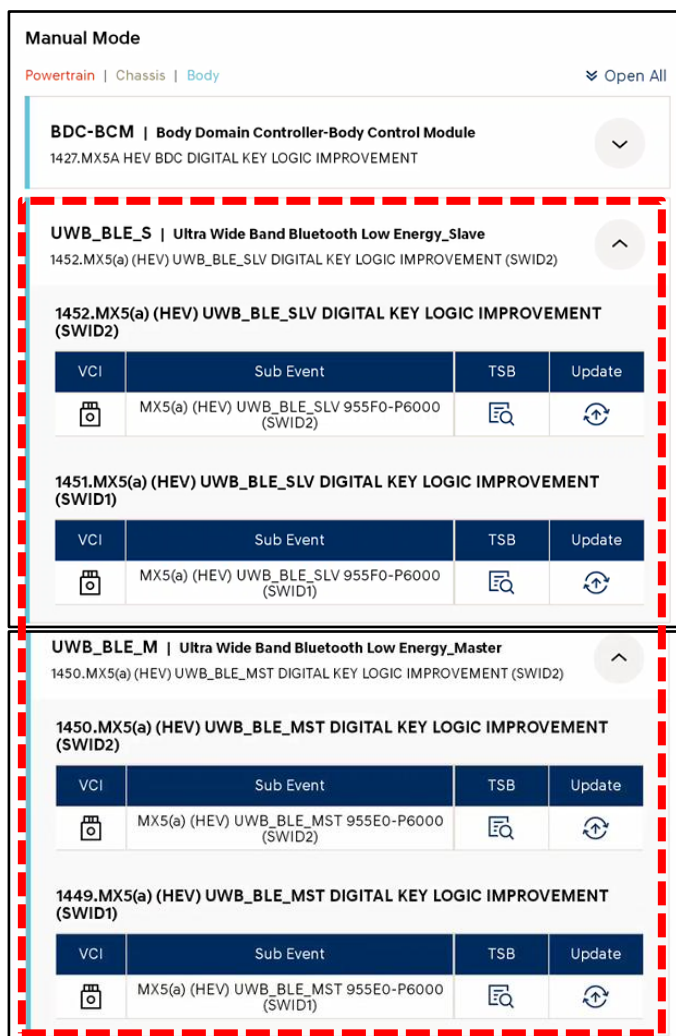
2. Select the **UWB_BLE** system and tap the update icon to begin.

i Information

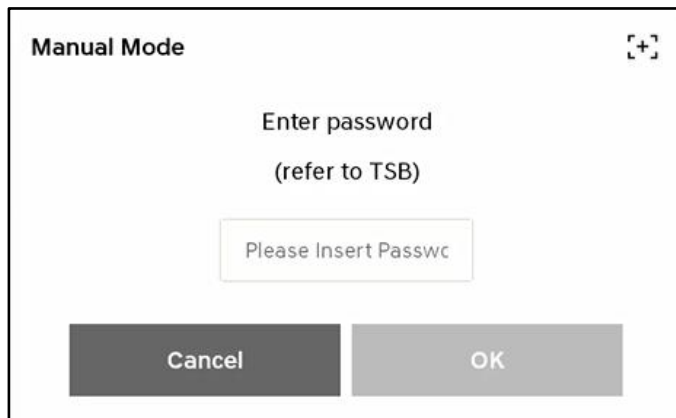
Update the Sub Events from top to bottom to avoid repeating updates, but updating in a specific order is **NOT** required. Due to this update **ONLY** being available in **Manual Mode**, a GDS scan cannot be performed to confirm if the controllers have already been updated.

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.



The screenshot shows a 'Manual Mode' screen with a title bar. Below the title, it says 'Enter password (refer to TSB)'. There is a text input field with the placeholder 'Please Insert Passwc'. At the bottom, there are two buttons: 'Cancel' and 'OK'.

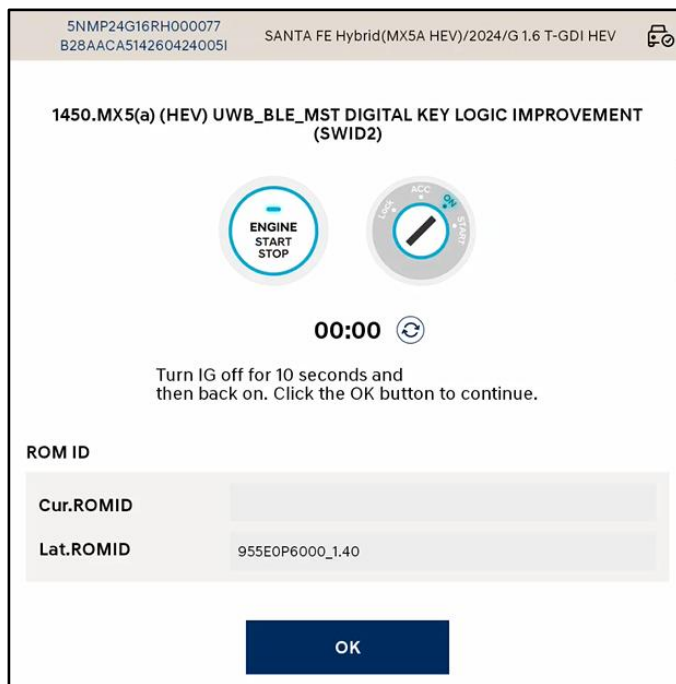
Manual Mode Password:

Event	Menu	Password
1449	MX5(a) (HEV) UWB_BLE_MST 955E0-P6000 (SWID1)	1146
1450	MX5(a) (HEV) UWB_BLE_MST 955E0-P6000 (SWID2)	1157
1451	MX5(a) (HEV) UWB_BLE_SLV 955F0-P6000 (SWID1)	6297
1452	MX5(a) (HEV) UWB_BLE_SLV 955F0-P6000 (SWID2)	8741

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.

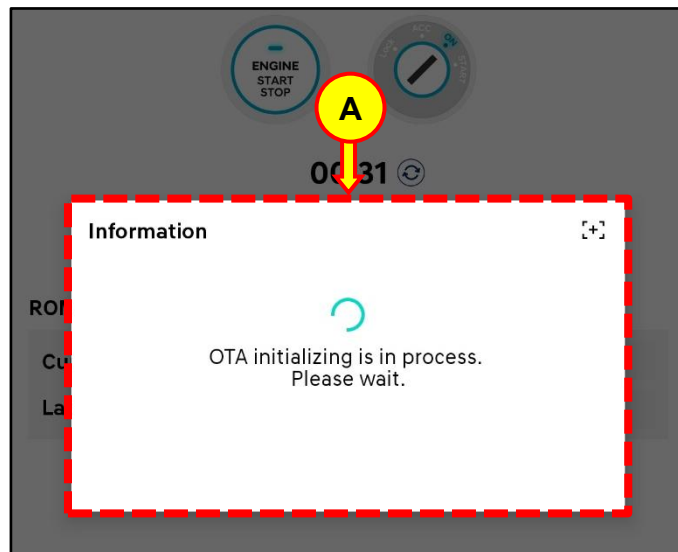


The screenshot shows a screen with a header containing two lines of text: '5NMP24G16RH000077 B28AACAS14260424005I' and 'SANTA FE Hybrid(MX5A HEV)/2024/G 1.6 T-GDI HEV'. Below the header, the title is '1450.MX5(a) (HEV) UWB_BLE_MST DIGITAL KEY LOGIC IMPROVEMENT (SWID2)'. There are two circular icons: one with a minus sign and 'ENGINE START STOP', and another with a plus sign and 'ACC'. Below these is a timer showing '00:00' and a refresh icon. The text below the timer says 'Turn IG off for 10 seconds and then back on. Click the OK button to continue.' At the bottom, there is a section titled 'ROM ID' with two rows: 'Cur.ROMID' and 'Lat.ROMID'. The 'Lat.ROMID' row has the value '955E0P6000_1.40'. At the very bottom is an 'OK' button.

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.



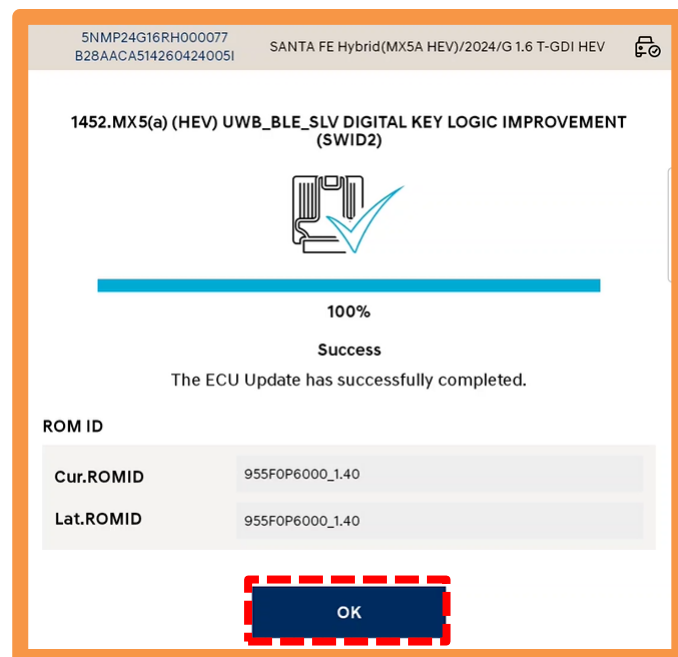
6. Select **OK**.

Digital Documentation for Event 1452:**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.

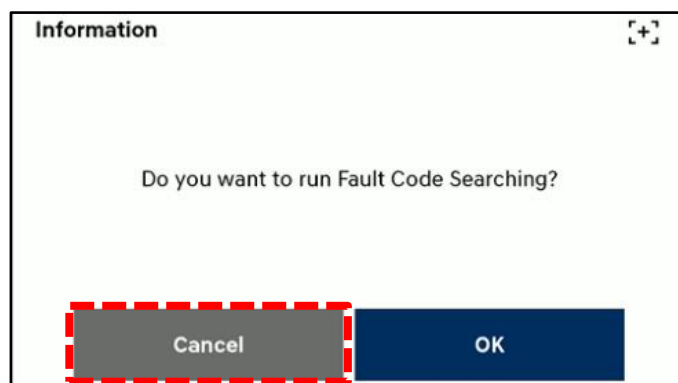
NOTE: The VIN/Date/Time/Mileage photo imprint is **NOT** required for GDS screenshots.



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 1451:**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.

5NMP24G16RH000077 SANTA FE Hybrid(MX5A HEV)/2024/G 1.6 T-GDI HEV
B28AACAS142604240051

1451.MX5(a) (HEV) UWB_BLE_SLV DIGITAL KEY LOGIC IMPROVEMENT (SWID1)

100%

Success

The ECU Update has successfully completed.

ROM ID

Cur.ROMID	955F0P6000_1.50
Lat.ROMID	955F0P6000_1.50

OK

Digital Documentation for Event 1450:**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.

5NMP24G16RH000077 SANTA FE Hybrid(MX5A HEV)/2024/G 1.6 T-GDI HEV
B28AACAS142604240051

1450.MX5(a) (HEV) UWB_BLE_MST DIGITAL KEY LOGIC IMPROVEMENT (SWID2)

100%

Success

The ECU Update has successfully completed.

ROM ID

Cur.ROMID	955E0P6000_1.40
Lat.ROMID	955E0P6000_1.40

OK

Digital Documentation for Event 1449:

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.

5NMP24G16RH000077
B28AACAS142604240051

SANTA FE Hybrid(MX5A HEV)/2024/G 1.6 T-GDI HEV

1449.MX5(a) (HEV) UWB_BLE_MST DIGITAL KEY LOGIC IMPROVEMENT (SWID1)

100%

Success

The ECU Update has successfully completed.

ROM ID

Cur.ROMID

955E0P6000_1.50

Lat.ROMID

955E0P6000_1.50

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**.

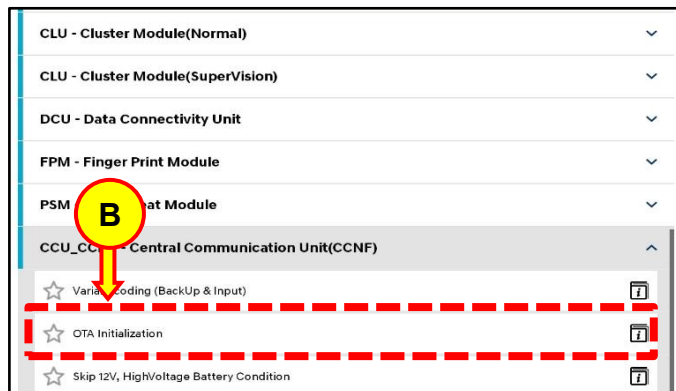


2. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.
3. If any of the OTA initialization processes failed during the procedure, complete it manually under:
S/W Management > CCU_CCNF - Central Communication Unit (CCNF) > OTA Initialization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