



Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 25-01-025H-1
DATE NOVEMBER 2025	MODEL(S) SANTA FE (MX5A)

SUBJECT: SEAT HEATER UNIT (SHU) SOFTWARE UPDATE
(LIMITED COVERAGE CAMPAIGN LA1)

This TSB supersedes 25-01-025H to add 2026 model year and update the production dates on page 1 and revise ROM ID table on page 3.

★ IMPORTANT

Dealers must perform this field action on all affected vehicles within 5 / 60,000 New Vehicle Limited Warranty (NVLW) 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 NVLW, observing mileage prior to any repair work.

Description: Certain Santa Fe (MX5A) vehicles may experience battery drain and inoperative heated seat capacitive touch buttons due to incorrect ECU logic for the Seat Heater Unit – Front (SHU_FRT). This bulletin provides instructions to perform a software update for the Seat Heater Unit – Front to correct the logic.



NOTICE

The system is incorrectly labeled under **Seat Heater Ventilation Control Unit – Front (SHVU-F)** within GDS. There is no known issue with ventilated seat equipped models, however, technicians must select **SHVU-F** to perform the correct software update for the **Seat Heater Unit – Front (SHU_FRT)**.

Applicable Vehicles (Certain):

Model Year	Model	Production Dates
2024 – 2026	Santa Fe (MX5A)	12/28/2023 – 07/16/2025

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 is **NO** longer able to be ordered, but can be used for the updates in the TSB.

GDS Information:

System	Event Number	Description
SHVU-F	1304	MX5a Heater Button INOP Improvement (SHU_FR)

(*or use a later available event as listed in the GDS **SHVU-F** 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
Santa Fe (MX5A)	50DA44R0	Seat Heater Unit (SHU) Software Update	0.3 M/H	88B70-R6020	W11	ZZ3

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

NOTE 2: 5 / 60,000 New Vehicle Limited Warranty (NVLW) 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 NVLW, 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: 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.

NOTE 4: 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.

ROM ID Information:

Model	System	ECU Part Number	ROM ID	
			Old	New
Santa Fe (MX5A)	SHVU-F	88B70-R6020	1.00	1.20
			1.10	

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.

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 update.
- Do **NOT** start the engine during update.
- Do **NOT** turn **OFF** the ignition switch during update.

ECU Update Procedure

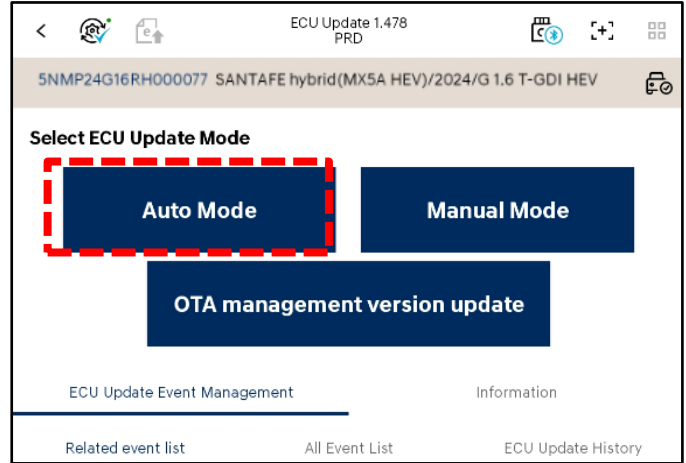
1. Perform the ECU update in **Auto Mode**.

Use the **ID Check** to verify the ROM ID before updating the software.



Information

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

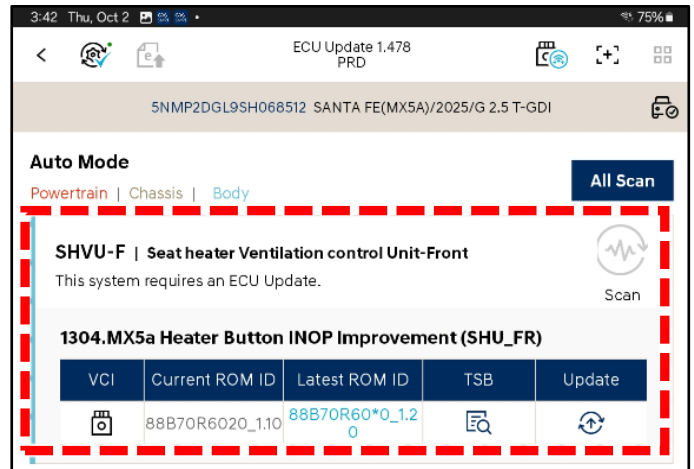


2. Select the **SHVU_F** system to scan the vehicle’s current ROM ID.

Press the update button and follow the on screen prompts.

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**. Reassemble and retry the update.

NOTICE

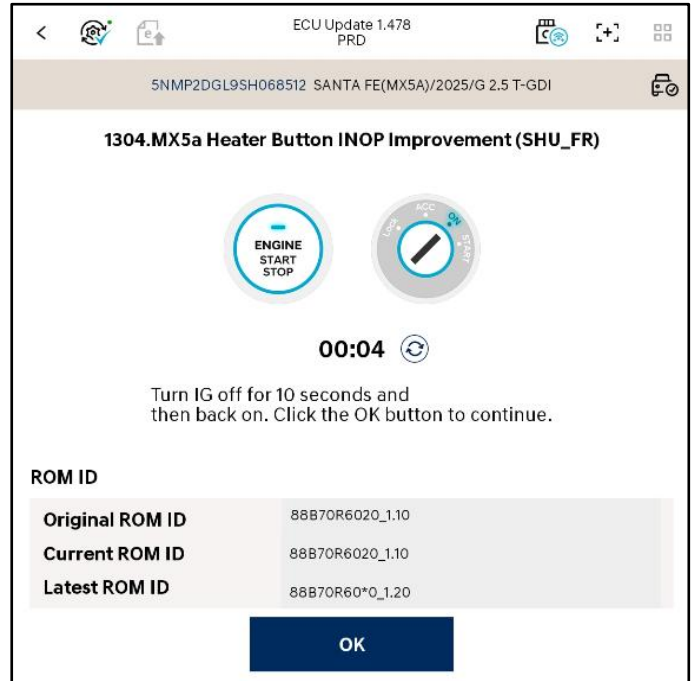
The system is incorrectly labeled under **Seat Heater Ventilation Control Unit – Front (SHVU-F)** within GDS. Technicians must select **SHVU-F** to perform the correct software update for the **Seat Heater Unit – Front (SHU FRT)**.

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. After clicking **OK**, the OTA Initialization process will begin.
- If OTA initialization performs automatically, then proceed with the service procedure.
 - If the OTA initialization fails, **connect GDS-Smart > S/W Management > Central Communication Unit (CCNF) > OTA Initialization**

Follow the instructions on the screen.



5.

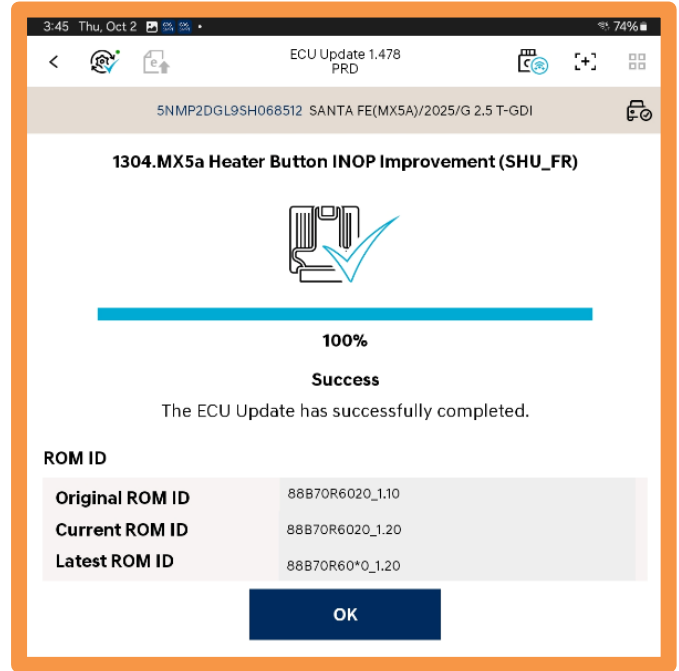
DIGITAL DOCUMENTATION



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.



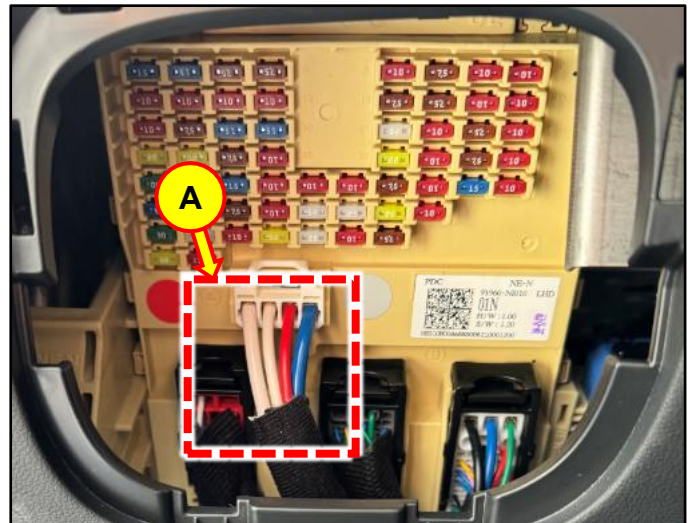
6. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.



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

i 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	ECU Menu	Password
1304	MX5a SHU_FR 88B70-R6000/20	6542