



HYUNDAI

Technical Service Bulletin

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

SUBJECT: SEAT HEATER UNIT (SHU) SOFTWARE UPDATE
(SERVICE CAMPAIGN TCV)

* 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 Santa Fe (MX5A) vehicles may experience battery drain due to incorrect ECU logic for the Seat Heater Unit – Front (SHU_FRT). This bulletin provides instructions to perform the 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. Technicians **MUST** select **SHVU-F** to perform the correct software update for the **Seat Heater Unit – Front (SHU_FRT)**.

Applicable Vehicles (Certain):

- 2024-2025MY Santa Fe (MX5A) produced 12/28/2023–12/19/2024

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		

GDS Information: Seat Heater Ventilation Control Unit - Front

System	Event Number	Description
SHVU-F	1221	MX5A SHU_FRT LOGIC IMPROVEMENT

(*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)	40DA26R0	Seat Heater Unit (SHU) Update	0.3 M/H	88B70-R6020	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	System	ECU Part Number	ROM ID	
			Old	New
Santa Fe (MX5A)	SHVU-F	88B70-R6020	1.00	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.

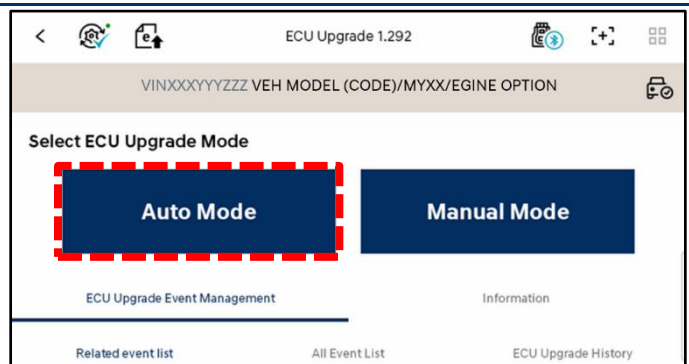
ECU Update Procedure

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

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

i 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.

NOTICE

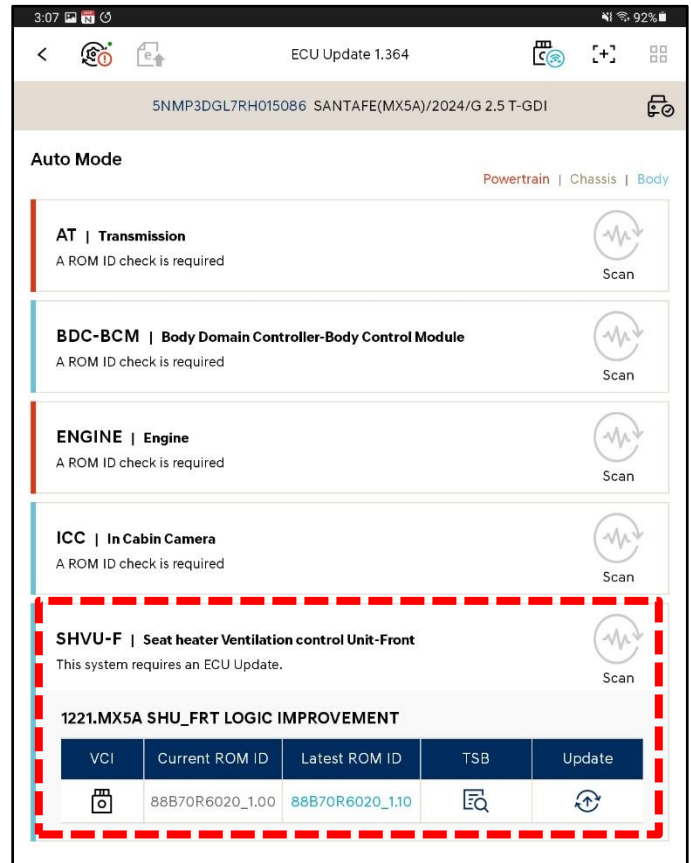
Check the current ROM ID version and compare it to the ROM ID Information table before attempting to perform the software update.

NOTICE

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

NOTICE

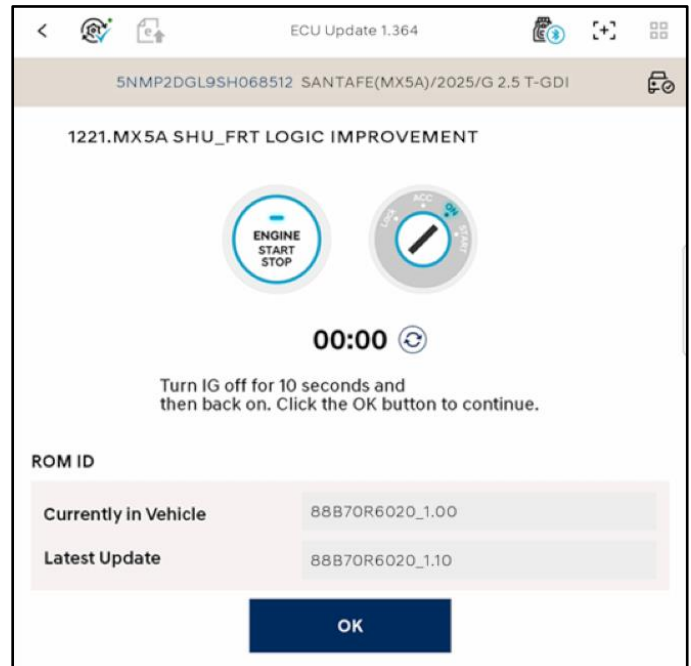
The system is incorrectly labeled under **Seat Heater Ventilation Control Unit – Front (SHVU-F)** within GDS. Technicians **MUST** select **SHVU-F** to perform the correct software update for the **Seat Heater Unit – Front (SHU_FRT)**.



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**).

i Information

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

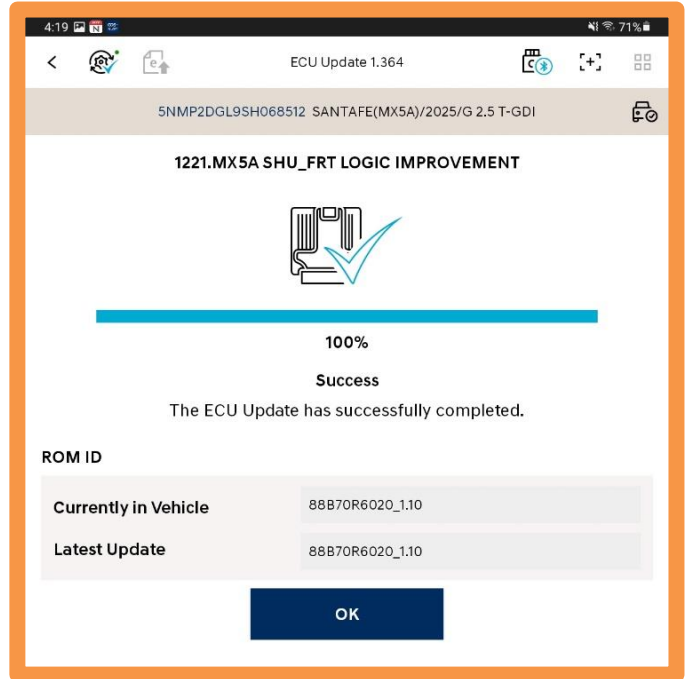


4.

DIGITAL DOCUMENTATION



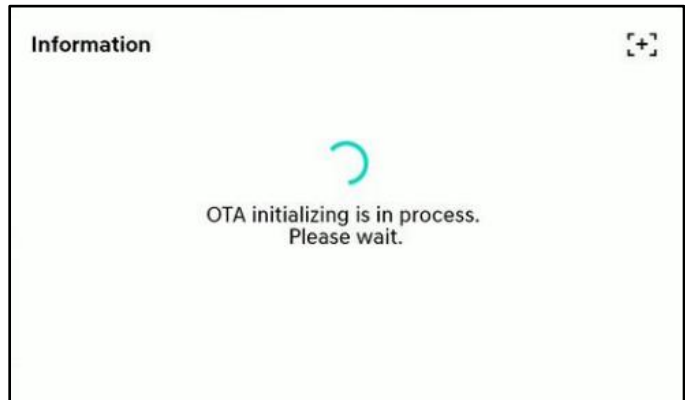
Take a screenshot of the ECU update complete screen using your tablet and upload to STUI.



5. 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.



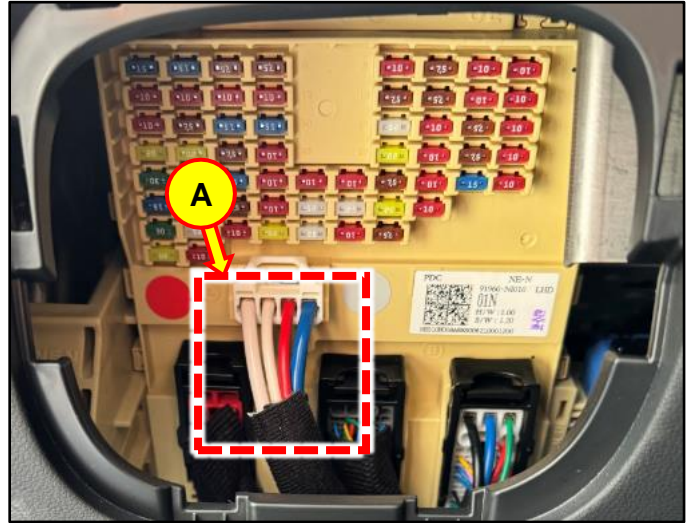
6. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.



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	ECM Menu	Password
1221	MX5A SHU_FRT 88B70-R6020	6020