



HYUNDAI

Technical Service Bulletin

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| GROUP CAMPAIGN | NUMBER 25-01-028H |
| DATE APRIL 2025 | MODEL(S) SANTA FE HYBRID (MX5A HEV) |

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

★ 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 Hybrid (MX5A HEV) vehicles may experience battery drain 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. 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 Hybrid (MX5A HEV) produced 03/06/2024 – 12/07/2024

SST Information:

| Tool Name | Tool Number | Figure | Ordering Information |
|-----------|-------------|---|--|
| VCI 3 | G0VHNNN06 |  | Website: https://hyundaiessentialtools.com/ Email: Hyundaitools@snapon.com Phone: 1-855-763-9199 Hours: 7 AM – 7 PM CST |
| VCI 2 | G1XDDMN001 |  | |

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

GDS Information: Seat Heater Ventilation Control Unit - Front

| System | Event Number | Description |
|--------|--------------|--------------------------------|
| SHVU-F | 1247 | 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 Hybrid (MX5A HEV) | 50DA26R0 | 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 Hybrid (MX5A HEV) | 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.

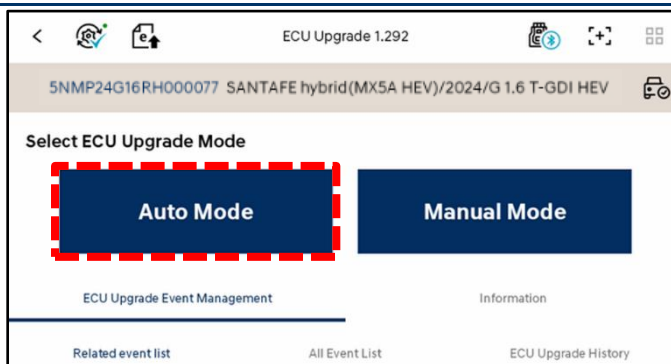
ECU Update Procedure

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.



- 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

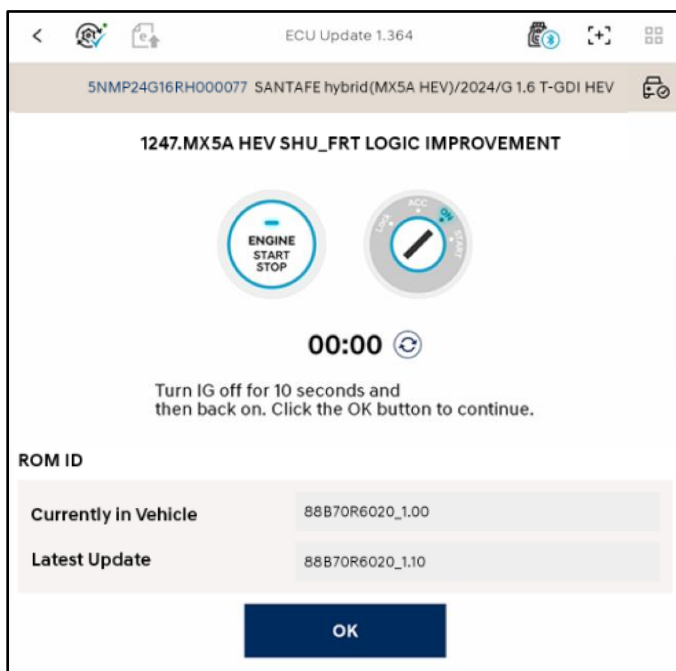
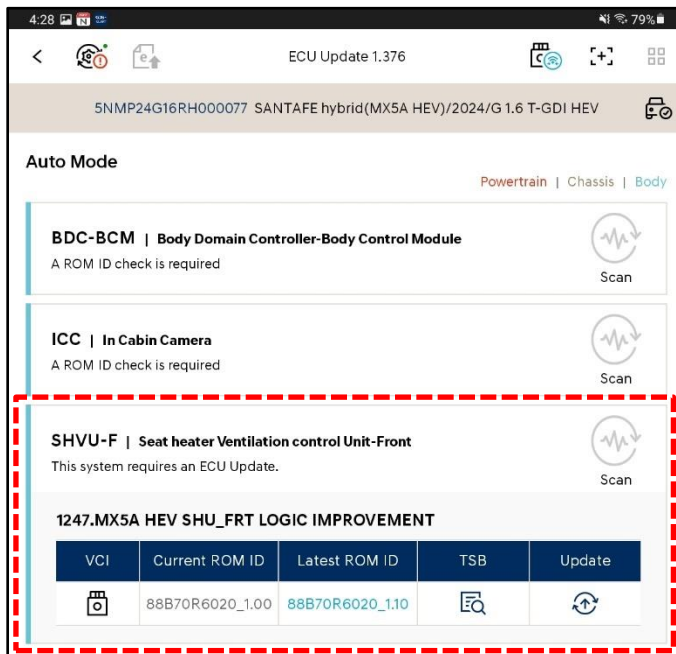
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- After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to **30 seconds**).



Information

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

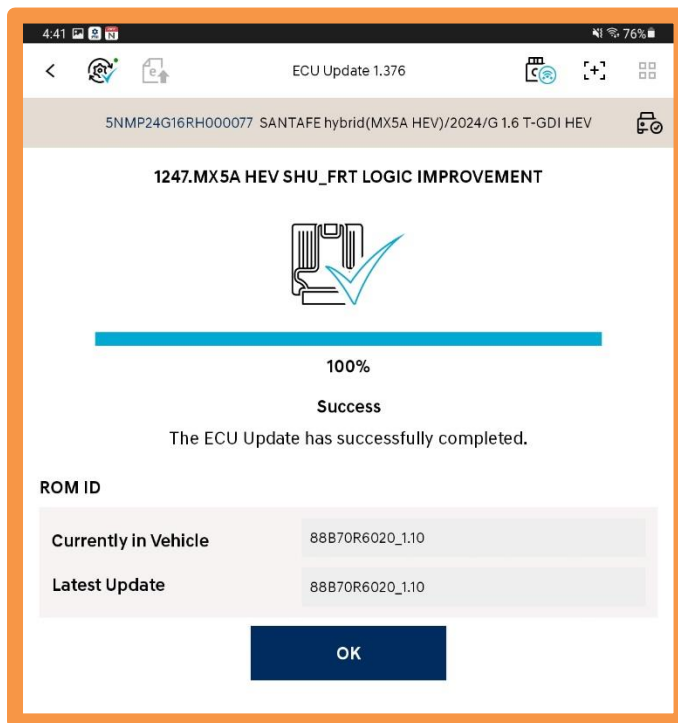


4.

DIGITAL DOCUMENTATION



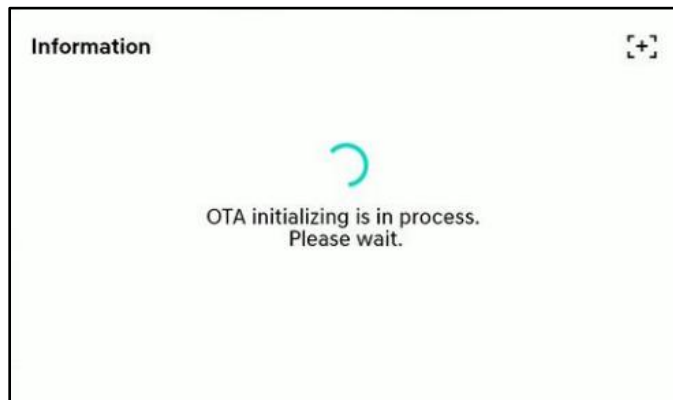
Take a screenshot of the ECU update complete screen using your tablet and upload to STUI.



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.

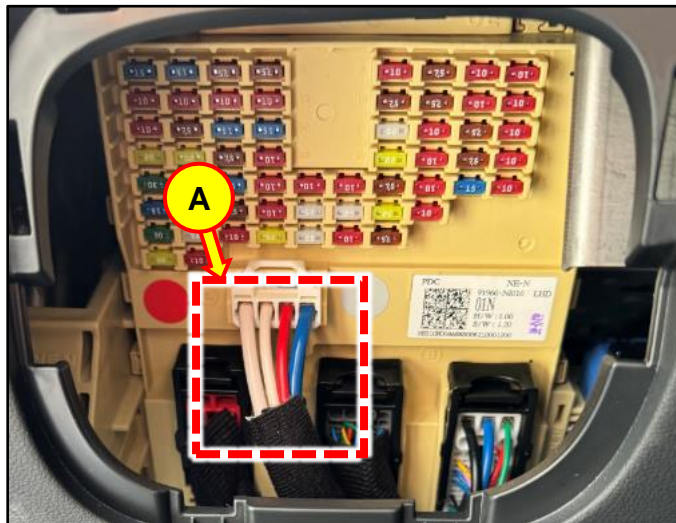


7. Disconnect the power connector (A) of the indoor fuse box, wait at least **5 seconds**, then reconnect it.



Information

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



8. Place in **Ready** mode 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 |
|-------|------------------------------|----------|
| 1247 | MX5A HEV SHU_FRT 88B70-R6020 | 6020 |