

 HYUNDAI
Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 24-01-089H
DATE DECEMBER 2024	MODEL(S) SANTA FE HYBRID (MX5A HEV)

SUBJECT:

BDC SOFTWARE UPDATE TO REVISE TPMS LOGIC
AND SMART KEY RECOGNITION
(SERVICE CAMPAIGN TCJA)

★ 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’ Body Domain Controller (BDC) software logic may disable the Tire Pressure Monitoring System (TPMS) system that leads to a low-voltage logic error with active DTC C112600. Follow the instructions in this bulletin to update the BDC software to correct the TPMS system and to enhance Smart Key recognition.

Applicable Vehicles (Certain):

- 2024MY Santa Fe Hybrid (MX5A HEV) produced from 03/06/2024 – 09/05/2024

GDS Information:

System Selection—BDC-BCM

System	Event #	Description
BDC-BCM	1151	MX5a/MX5a HEV BDC LOGIC IMPROVEMENT

(*or use a later available event as listed in the GDS BDC-BCM Update screen if one is available.)

NOTE: This software update is subject to an OTA (Over-the-Air) option and may also be completed by customers with active Blue Link subscriptions.

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Model	Op. Code	Operation	Op. Time	Casual Part	Nature Code	Cause Code
Santa Fe Hybrid (MX5A HEV)	40DA24R0	BDC Software Update To Improve TPMS Logic	0.5 M/H	95400-HB100	I11	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: Event 1151

Model	System	ECU Part Number	ROM ID	
			Old	New
Santa Fe Hybrid (MX5A HEV)	BDC-BCM	95400-R6000	1.50 1.60 1.80 1.90	2.0
		954A0-R6000		
		95400-R6030		
		95400-R6100		
		95400-HB100		

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

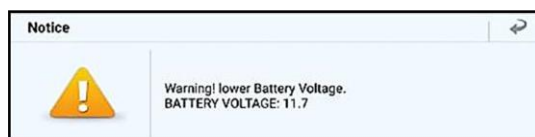
NOTICE

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**GDS Vehicle Battery Low Voltage Warning:**

If voltage is below 12 Volts per the GDS warning, then select **Back** and attach a battery charger to ensure an adequate battery charge for reliable update results. Turn ignition back **ON**, and then retry the ECU update again.

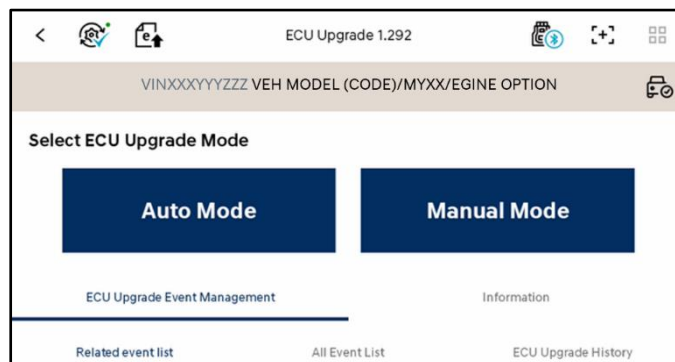


1. Perform the ECU update in **Auto Mode**.

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.



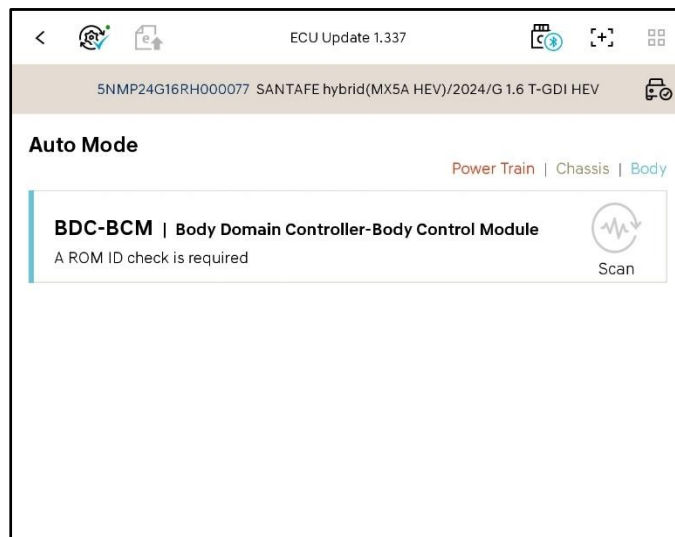
2. Select the **BDC-BCM** system to scan the vehicle's current ROM ID.

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, 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.

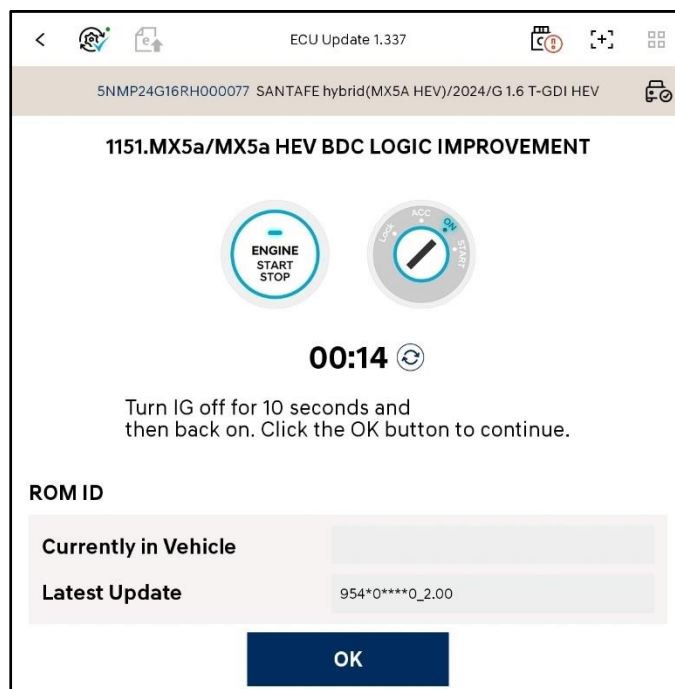


3. After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to **30 seconds**).



Information

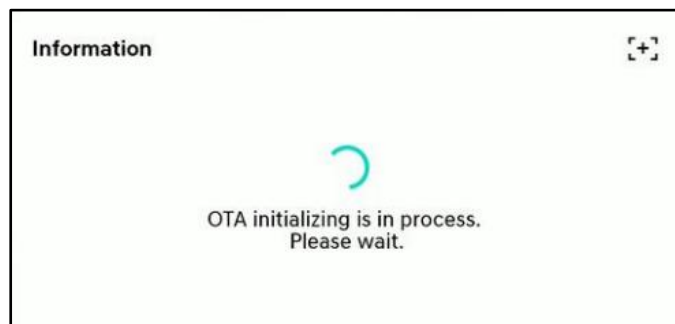
Use the **Refresh** button to reset the timer.



After clicking **OK**, the OTA Initialization process will begin.

- If OTA initialization performs automatically, 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.

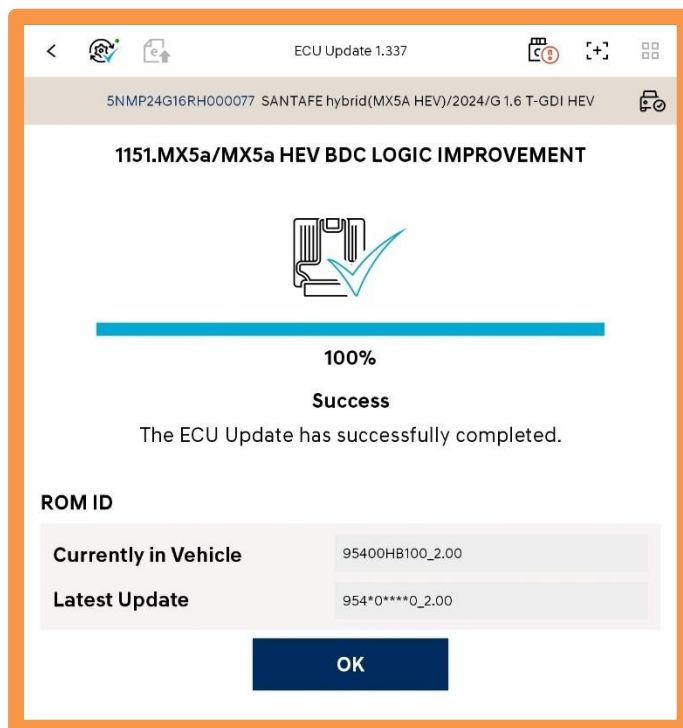


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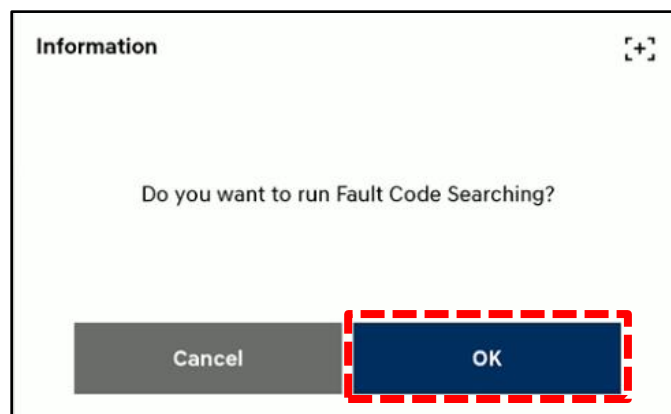
4.

STUI

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



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



6. 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 below.

Manual Mode Password: Event # 1151

ECM Menu	Password
MX5a/MX5a HEV BDC 95400/A0-R6000/30/100/HB100	6030