



Technical Service Bulletin

GROUP FUEL SYSTEM	NUMBER 24-FL-004H
DATE DECEMBER 2024	MODEL(S) SANTA FE (TMa)

SUBJECT: ECU/TCU SOFTWARE UPDATE FOR ISG LOGIC IMPROVEMENT

Description: This bulletin provides the procedure to update the Engine Control Module (ECM) and the Transmission Control Module (TCM) for 2021-2023MY Santa Fe (TMa) vehicles to improve operation of the Idle Stop and Go (ISG) system. Under certain circumstances the vehicle may not restart after the ISG system has engaged and requires a manual restart due to the lack of intake manifold pressure recovery.

Applicable Vehicles (Certain):

- 2021-2023MY Santa Fe (TMa) VINs beginning with 5

GDS Information:

System	Event #	Description
AT	1063	TMa F/L 2.5GDI ROUGH SHIFT AND HESITATION IMPROVED LOGIC (TCU)
Engine	1065	TMa PE 2.5GDI ECU S/W IMPROVEMENT FOR ISG LOGIC IMPROVEMENT

(*or use a later available event as listed in the GDS Engine or A/T System Update screen if one is available.)

Warranty Information:

Model	Op. Code	Operation	Op. Time	Casual Part	Nature Code	Cause Code
Santa Fe (TMa)	39110FH6	ECU + TCU Software Update	0.5 M/H	Refer to WebLTS for applicable part to labor op combination	I14	ZZ3

NOTE 1: Normal warranty applies.

NOTE 2: Submit claim on Claim Entry Screen as "Warranty" type.

NOTE 3: This TSB includes Repair validation photos. Op times include VIN, Mileage, and photo capture of the "ECU update complete" screen as outlined in the Digital Documentation Policy.

NOTE 4: If a part is found in need of replacement while performing this TSB 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.

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

Service Procedure:

STUI



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

NOTICE

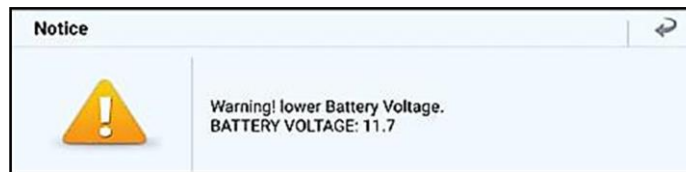
You must initially perform the GDS ECU update in Auto Mode.

- 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 as per the below GDS warning, then select **Back** and attach a 12V battery charger to ensure an adequate battery state of charge for reliable update results. Turn ignition back on, and then retry the ECU update again.



1. Perform the TCU and ECU updates in Auto Mode.

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

i Information

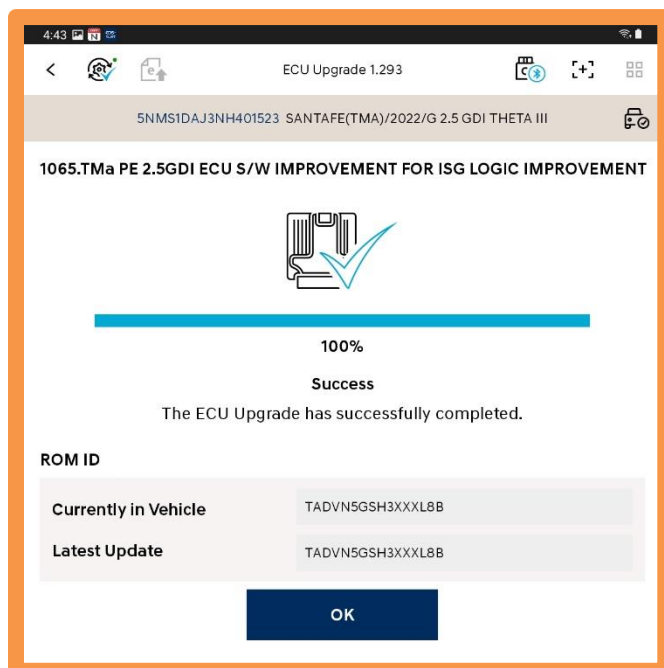
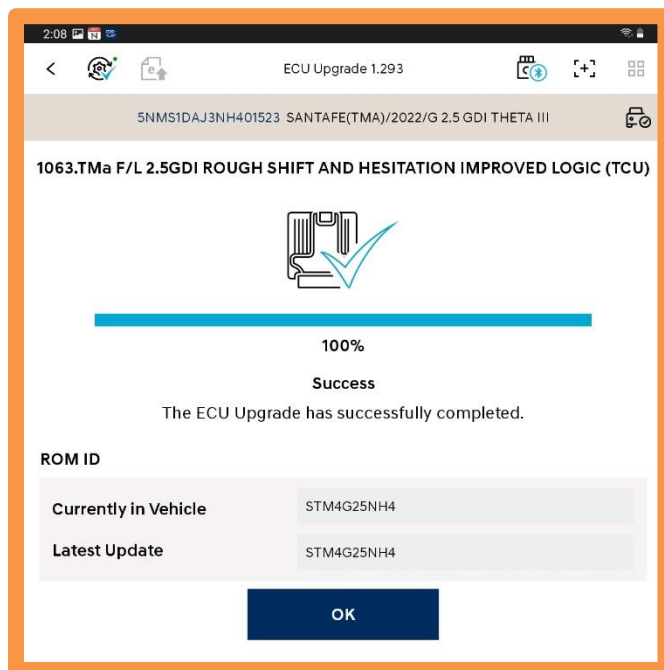
Refer to TSB **24-GI-012H**, “ECU Update Procedure for Tablet-Based GDS-Smart”, for additional information.



2.

STUI

Take screenshots of the ECU update complete screens using your tablet and upload to STUI.



3. After the ECU update process shows 100% complete, cycle the ignition key to **OFF** for at least 10 seconds to reset the control unit.
4. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.

ROM ID Information: Event # 1063 (TCU)

MY	2WD/ 4WD	ECU Part Number	ROM ID	
			Old	New
2021	2WD	39110-2S059	STM2G25NH1	STM2G25NH4
	4WD	39110-2S067	STM4G25NH1	STM4G25NH4
	2WD	39110-2S060	STM2G25NH1	STM2G25NH4
	4WD	39110-2S068	STM4G25NH1	STM4G25NH4
2022	2WD	39110-2S092	STM2G25NH1	STM2G25NH4
	4WD	39110-2S093	STM4G25NH1	STM4G25NH4
	2WD	39110-2S094	STM2G25NH1	STM2G25NH4
	4WD	39110-2S095	STM4G25NH1	STM4G25NH4
	2WD	39110-2S274	STM4G25NH2 STM4G25NH3	STM2G25NH4
	4WD	39110-2S275	STM2G25NH2 STM2G25NH3	STM4G25NH4
	2WD	39110-2S276	STM4G25NH2 STM4G25NH3	STM2G25NH4
	4WD	39110-2S277	STM4G25NH2 STM4G25NH3	STM4G25NH4
2023	2WD	39110-2S298	STM2G25NH3	STM2G25NH4
	4WD	39110-2S299	STM4G25NH3	STM4G25NH4
	2WD	39110-2S300	STM2G25NH3	STM2G25NH4
	4WD	39110-2S301	STM4G25NH3	STM4G25NH4

ROM ID Information: Event # 1065 (ECU)

MY	ECU Part Number	ROM ID	
		Old	New
2021	39110-2S059	TACVN5GMH3XXXG2C TACVN5GMH3XXXH0A TACVN5GMH3XXXH0B	TACVN5GMH3XXXH0C
	39110-2S067	TACVN5GMI3XXXG2C TACVN5GMI3XXXH0A TACVN5GMI3XXXH0B	TACVN5GMI3XXXH0C
	39110-2S060	TACVN5GSH3XXXG2C TACVN5GSH3XXXH0A TACVN5GSH3XXXH0B	TACVN5GSH3XXXH0C
	39110-2S068	TACVN5GSI3XXXG2C TACVN5GSI3XXXH0A TACVN5GSI3XXXH0B	TACVN5GSI3XXXH0C
2022	39110-2S092	TADV5GMH3XXXJ1A TADV5GMH3XXXJ1B TADV5GMH3XXXL8A	TADV5GMH3XXXL8B
	39110-2S093		
	39110-2S274		
	39110-2S275	TADV5GMH3XXXL5A TADV5GMH3XXXL5B TADV5GMH3XXXL8A	TADV5GSH3XXXL8B
	39110-2S094	TADV5GSH3XXXJ1A TADV5GSH3XXXJ1B TADV5GSH3XXXL8A	
	39110-2S095		
	39110-2S276	TADV5GSH3XXXL5A TADV5GSH3XXXL5B TADV5GSH3XXXL8A	
	39110-2S277		
2023	39110-2S298	TAEVN5GMH3XXXM0A TAEVN5GMH3XXXM1A	TAEVN5GMH3XXXM1B
	39110-2S299	TAEVN5GMI3XXXM0A TAEVN5GMI3XXXM1A	TAEVN5GMI3XXXM1B
	39110-2S300	TAEVN5GSH3XXXM0A TAEVN5GSH3XXXM1A	TAEVN5GSH3XXXM1B
	39110-2S301	TAEVN5GSI3XXXM0A TAEVN5GSI3XXXM1A	TAEVN5GSI3XXXM1B

Manual Mode Password: Event # 1063

ECM Menu	Password
TMa F/L 2.5GDI TCU 39110-2S059	2300
TMa F/L 2.5GDI TCU 39110-2S060	
TMa F/L 2.5GDI TCU 39110-2S092	
TMa F/L 2.5GDI TCU 39110-2S094	
TMa F/L 2.5GDI TCU 39110-2S274	
TMa F/L 2.5GDI TCU 39110-2S276	
TMa F/L 2.5GDI TCU 39110-2S298	
TMa F/L 2.5GDI TCU 39110-2S300	
TMa F/L 2.5GDI TCU 39110-2S067	3301
TMa F/L 2.5GDI TCU 39110-2S068	
TMa F/L 2.5GDI TCU 39110-2S093	
TMa F/L 2.5GDI TCU 39110-2S095	
TMa F/L 2.5GDI TCU 39110-2S275	
TMa F/L 2.5GDI TCU 39110-2S277	
TMa F/L 2.5GDI TCU 39110-2S299	
TMa F/L 2.5GDI TCU 39110-2S301	

Manual Mode Password: Event # 1065

ECM Menu	Password
TMa PE 2.5GDI ECU 39110-2S059	9502
TMa PE 2.5GDI ECU 39110-2S067	7602
TMa PE 2.5GDI ECU 39110-2S060	0602
TMa PE 2.5GDI ECU 39110-2S068	8602
TMa PE 2.5GDI ECU 39110-2S092	5722
TMa PE 2.5GDI ECU 39110-2S093	
TMa PE 2.5GDI ECU 39110-2S274	
TMa PE 2.5GDI ECU 39110-2S275	
TMa PE 2.5GDI ECU 39110-2S094	7722
TMa PE 2.5GDI ECU 39110-2S095	
TMa PE 2.5GDI ECU 39110-2S276	
TMa PE 2.5GDI ECU 39110-2S277	
TMa PE 2.5GDI ECU 39110-2S298	8922
TMa PE 2.5GDI ECU 39110-2S299	9944
TMa PE 2.5GDI ECU 39110-2S300	0032
TMa PE 2.5GDI ECU 39110-2S301	1032