



Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 23-01-046H
DATE MAY, 2023	MODEL(S) SANTA FE (TMa)

SUBJECT: ECU/TCU UPDATE - DRIVABILITY (SERVICE CAMPAIGN 981)

* 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: This bulletin provides the procedure to update the ECU and TCU software to correct the ROM ID and TCU software to optimize shift quality when accelerating.

STUI



As outlined in the Digital Documentation Policy, all claims require VIN and Mileage validation through VCI connection or photo capture. Additionally, this TSB includes a repair Part photo as a requirement. Where indicated, please ensure the captured photo is completed according to the steps in the TSB. **All claims submitted that have incomplete, illegible, or missing documentation are subject to debit.**

APPLICABLE VEHICLES: Certain 2022 MY Santa Fe (TMa) 2.5L vehicles equipped with 8-Speed transmission produced from 6/10/2021 ~ 9/17/2021.

GDS INFORMATION: System Selection: **Engine:**


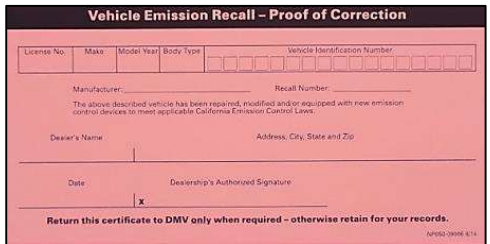
Event #	Description
#799	TMa PE 2.5GDI 8AT ACCELERATION DRIVABILITY ENHANCED LOGIC (ECU)

GDS INFORMATION: System Selection: **A/T:**

Event #	Description
#800	TMa THETA 2.5GDI 8AT ROUGH SHIFT AND HESITATION IMPROVED LOGIC (TCU)

SUBJECT: ECU/TCU UPDATE- DRIVABILITY (SERVICE CAMPAIGN 981)

PARTS INFORMATION:

Part Name	Part Number	Qty	Figure	Remarks
Campaign Sticker	00305-SC981	1	 <p>981 Dealer Code: Date: 00305-SC981</p>	Apply to all vehicles regardless of state.
Vehicle Emission Recall - Proof of Correction Card	NP050-09006	1	 <p>Vehicle Emission Recall - Proof of Correction</p> <p>License No. Make Model Year Body Type Vehicle Identification Number</p> <p>Manufacturer: Recall Number:</p> <p>The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.</p> <p>Dealer's Name Address, City, State and Zip</p> <p>Date: x Dealership's Authorized Signature</p> <p>Return this certificate to DMV only when required - otherwise retain for your records.</p> <p>AP050 0906 8/14</p>	Order only for States: CA, CT, DE, MA, MD, ME, NJ, NY, OR, PA, RI, VT, WA

WARRANTY INFORMATION:

Model	Op Code	Operation	Op Time	Causal Part	Nature Code	Cause Code
Santa Fe (TMa)	20DA05R0	ECU + TCU UPGRADE & STICKER INSTALL	0.6 M/H	39110-2S275	114	ZZ3

NOTE 1: Submit claim on Campaign Claim Entry Screen

NOTE 2: If a part that is not covered by this campaign 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 Part (if applicable) validation. **All claims submitted that have incomplete, illegible, or missing documentation are subject to debit.**

SERVICE PROCEDURE:

NOTICE

For vehicles registered in certain states, a **VEHICLE EMISSION RECALL - PROOF OF CORRECTION CARD** must be filled out by the Service Manager and given to the vehicle owner upon completion of the campaign. A **Campaign Sticker** must also be filled out and placed on the hood of the vehicle. Refer to pages 4-5 for more details.

For all vehicles, a **Campaign Sticker** must be filled out and placed under the hood of the vehicle. Please see page 4.

NOTICE

You must initially perform GDS ECU and TCU Update in Auto Mode.

- If the ECU or TCU Update starts but then fails in Auto Mode, disconnect the battery cables and touch the cables together for one minute. Reconnect the battery cables, attach a battery charger and perform the update in Manual Mode to recover.
- Refer to the General Instructions found in TSB 15-GI-001 (GDS Mobile).

After the TCU Update is completed, check for Diagnostic Trouble Codes and erase any DTC.

ECU ROM ID TABLE - #799:

Model	Part Number	ROM ID	
		Old	New
Santa Fe (TMa)	39110-2S275	TADVN5GMI3XXXJ1A TADVN5GMH3XXXJ1B TADVN5GMH3XXXL5A	TADVN5GMH3XXXL8A

TCU ROM ID TABLE - #800:

Model	Part Number	ROM ID	
		Old	New
Santa Fe (TMa)	39110-2S092	STM2G25NH1	STM2G25NH2
	39110-2S093	STM4G25NH1	STM4G25NH2
	39110-2S094	STM2G25NH1	STM2G25NH2
	39110-2S095	STM4G25NH1	STM4G25NH2

MANUAL UPDATE: If the TCU Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

Model	Menu		Password
Santa Fe (TMa)	#799	TMa PE 2.5GDI 8AT 39110-2S275	0535
	#800	TMa PE 2.5GDI 8AT 39110-2S275/7	2252

For All Vehicles:

Fill in the information on the 00305-SC981 Campaign Sticker and apply under the existing Emission Label as shown.

Be sure to clean the mounting surface to ensure proper label adhesion.

The campaign procedure is complete.



STUI



Using STUI, photograph the campaign sticker along with the last 6 digits of the VIN and the date of the repair on a piece of paper.

Upload the photo to STUI.



For vehicles registered in California, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington:

VEHICLE EMISSION RECALL - PROOF OF CORRECTION CARD

A Vehicle Emission Recall - Proof of Correction card must be filled out for all vehicles registered in California, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington. Residents of these states, who own an affected vehicle, will be required to possess a Vehicle Emission Recall - Proof of Correction card as evidence of voluntary service campaign completion, when they apply for vehicle registration renewal.

WHAT TO DO WITH THE CARD:

The Vehicle Emission Recall - Proof of Correction card must be completed by the Dealership's Service Manager using a permanent ink pen. A fine point pen is recommended. When filling in the information, copy the information directly from the vehicle, not from the repair order. ALL INFORMATION MUST BE PRINTED AND NEAT.

The copy of the card shown below indicates the areas to be filled in. Each area must be filled in.

The completely filled out Vehicle Emission Recall - Proof of Correction card should be given to the owner of the vehicle upon completion of the Campaign.

The diagram shows a form titled "Vehicle Emission Recall - Proof of Correction" with the following fields and instructions:

- 1. Enter Vehicle's License Number (points to License No.)
- 2. Enter "Hyundai" (points to Make)
- 3. Enter Model Year (points to Model Year)
- 4. Enter Santa Fe (points to Body Type)
- 5. Enter the vehicle's VIN Number (points to Vehicle Identification Number)
- 6. Enter "981" (points to Recall Number)
- 7. Enter Dealership Name (points to Dealer's Name)
- 8. Enter Dealership's Address. NOTE: Enter the physical address, not the mailing address (not a P.O. Box) (points to Address, City, State and Zip)
- 9. Enter Date of Repair (points to Date)
- 10. Service Manager Sign Here (points to Dealership's Authorized Signature)

The form includes a statement: "The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws." and a footer: "Return this certificate to DMV only when required - otherwise retain for your records." and "NP050-09006 8/14".