

 <b>HYUNDAI</b> <b>Technical Service Bulletin</b>	GROUP <b>CAMPAIGN</b>	NUMBER <b>22-01-006H</b>
	DATE <b>JANUARY 2022</b>	MODEL(S) <b>SANTA FE (TMA) TUCSON (NX4A)</b>
<b>SUBJECT:</b> ECU/TCU UPDATE – DRIVABILITY (SERVICE CAMPAIGN T7R)		

**★ IMPORTANT**

**\*\*\* Dealer Stock Vehicles Only \*\*\***

Dealers must perform this Service Campaign prior to customer retail delivery.

When a vehicle arrives at the Service Department, 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 improve drivability and shift quality when accelerating.

**APPLICABLE VEHICLES:** Certain 2022 MY Santa Fe (TMA) and Tucson (NX4A) vehicles equipped with 8-Speed transmission

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

Event #	Description
#771	771.TMa THETA 2.5GDI 8AT ACCELERATION LOGIC IMPROVEMENT (ECU)
#775	775.NX4a THETA 2.5GDI 8AT ACCELERATION LOGIC IMPROVEMENT (ECU)

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

Event #	Description
#772	772.TMa THETA 2.5GDI 8AT ROUGH SHIFT AND HESITATION IMPROVED LOGIC (TCU)
#776	776.NX4a THETA 2.5GDI 8AT ROUGH SHIFT AND HESITATION IMPROVED LOGIC (TCU)

**WARRANTY INFORMATION:**

Model	Op Code	Operation	Op Time	Causal Part	Nature Code	Cause Code
Tucson (NX4A)	10D221R1	ECU + TCU UPGRADE	0.5 M/H	39110-2S161	I14	ZZ3
Santa Fe (TMA)	10D221R2		0.5 M/H	39101-2STN5		

**NOTE 1:** Submit claim on Campaign Claim Entry Screen.

**NOTE 2:** If a part is found in need of replacement while performing the Service 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 the repair.

**SERVICE PROCEDURE:**

**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 - Santa Fe (TMA)**

Model	Part Number	ROM ID	
		Old	New
Santa Fe (TMA)	39110-2S274 39110-2S275	TADV5GMH3XXXL5A TADV5GMH3XXXJ1A TADV5GMH3XXXJ1B	TADV5GMH3XXXL5B
	39110-2S276 39110-2S277	TADV5GSH3XXXL5A TADV5GSH3XXXJ1A TADV5GSH3XXXJ1B	TADV5GSH3XXXL5B

**ECU ROM ID TABLE - Tucson (NX4a):**

Model	Part Number	ROM ID	
		Old	New
Tucson (NX4A)	39110-2S280	NADWN5GMFXXXXL6A NADWN5GMFXXXXJ1A NADWN5GMFXXXXJ1B	NADWN5GMFXXXXL6B
	39110-2S281	NADWN5GMGXXXXL6A NADWN5GMGXXXXJ1A NADWN5GMGXXXXJ1B	NADWN5GMGXXXXL6B
	39110-2S282	NADWN5GMJXXXXL6A NADWN5GMJXXXXJ1A NADWN5GMJXXXXJ1B	NADWN5GMJXXXXL6B
	39110-2S283	NADWN5GMHXXXXL6A NADWN5GMHXXXXJ1A NADWN5GMHXXXXJ1B	NADWN5GMHXXXXL6B
	39110-2S284	NADWN5GMIXXXXXL6A NADWN5GMIXXXXXJ1A NADWN5GMIXXXXXJ1B	NADWN5GMIXXXXXL6B
	39110-2S285	NADWN5GMKXXXXL6A NADWN5GMKXXXXJ1A NADWN5GMKXXXXJ1B	NADWN5GMKXXXXL6B
	39110-2S286	NADWN5GSFXXXXL6A NADWN5GSFXXXXJ1A NADWN5GSFXXXXJ1B	NADWN5GSFXXXXL6B

**ECU ROM ID TABLE - Tucson (NX4a) - Continued:**

Tucson (NX4A)	39110-2S287	NADWN5GSGXXXXL6A NADWN5GSGXXXXJ1A NADWN5GSGXXXXJ1B	NADWN5GSGXXXXL6B
	39110-2S288	NADWN5GSJXXXXL6A NADWN5GSJXXXXJ1A NADWN5GSJXXXXJ1B	NADWN5GSJXXXXL6B
	39110-2S289	NADWN5GSHXXXXL6A NADWN5GSHXXXXJ1A NADWN5GSHXXXXJ1B	NADWN5GSHXXXXL6B
	39110-2S290	NADWN5GSIXXXXXL6A NADWN5GSIXXXXXJ1A NADWN5GSIXXXXXJ1B	NADWN5GSIXXXXXL6B
	39110-2S291	NADWN5GSKXXXXL6A NADWN5GSKXXXXJ1A NADWN5GSKXXXXJ1B	NADWN5GSKXXXXL6B
	39110-2S292	NADWN5GKFXXXXL6A NADWN5GKFXXXXJ1A NADWN5GKFXXXXJ1B	NADWN5GKFXXXXL6B
	39110-2S293	NADWN5GKGXXXXL6A NADWN5GKGXXXXJ1A NADWN5GKGXXXXJ1B	NADWN5GKGXXXXL6B
	39110-2S294	NADWN5GKJXXXXL6A NADWN5GKJXXXXJ1A NADWN5GKJXXXXJ1B	NADWN5GKJXXXXL6B
	39110-2S295	NADWN5GKHXXXXL6A NADWN5GKHXXXXJ1A NADWN5GKHXXXXJ1B	NADWN5GKHXXXXL6B
	39110-2S296	NADWN5GKIXXXXXL6A NADWN5GKIXXXXXJ1A NADWN5GKIXXXXXJ1B	NADWN5GKIXXXXXL6B
	39110-2S297	NADWN5GKKXXXXL6A NADWN5GKKXXXXJ1A NADWN5GKKXXXXJ1B	NADWN5GKKXXXXL6B

**TCU ROM INFORMATION TABLE:**

Model	Part Number	ROM ID	
		Old	New
Santa Fe (TMA)	39110-2S274	STM2G25NH1	STM2G25NH2
	39110-2S275	STM4G25NH1	STM4G25NH2
	39110-2S276	STM2G25NH1	STM2G25NH2
	39110-2S277	STM4G25NH1	STM4G25NH2
Tucson (NX4A)	39110-2S280	TNX4G25X0XSC1SS2	TNX4G25X0XSC2SS3
	39110-2S281	TNX4G25X0XSC1SS2	TNX4G25X0XSC2SS3
	39110-2S282	TNX4G25X4XSC1SS2	TNX4G25X4XSC2SS3
	39110-2S283	SNX4G25X0XSC1SS2	SNX4G25X0XSC2SS3
	39110-2S284	SNX4G25X0XSC1SS2	SNX4G25X0XSC2SS3
	39110-2S285	SNX4G25X4XSC1SS2	SNX4G25X4XSC2SS3
	39110-2S286	TNX4G25X0XSC1SS2	TNX4G25X0XSC2SS3
	39110-2S287	TNX4G25X0XSC1SS2	TNX4G25X0XSC2SS3
	39110-2S288	TNX4G25X4XSC1SS2	TNX4G25X4XSC2SS3
	39110-2S289	SNX4G25X0XSC1SS2	SNX4G25X0XSC2SS3
	39110-2S290	SNX4G25X0XSC1SS2	SNX4G25X0XSC2SS3
	39110-2S291	SNX4G25X4XSC1SS2	SNX4G25X4XSC2SS3
	39110-2S292	TNX4G25X0XSC1SS2	TNX4G25X0XSC2SS3
	39110-2S293	TNX4G25X0XSC1SS2	TNX4G25X0XSC2SS3
	39110-2S294	TNX4G25X4XSC1SS2	TNX4G25X4XSC2SS3
	39110-2S295	SNX4G25X0XSC1SS2	SNX4G25X0XSC2SS3
	39110-2S296	SNX4G25X0XSC1SS2	SNX4G25X0XSC2SS3
39110-2S297	SNX4G25X4XSC1SS2	SNX4G25X4XSC2SS3	

**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)	#771	TMa PE 2.5GDI 8AT 39110-2S274/5	7711
	#771	TMa PE 2.5GDI 8AT 39110-2S276/7	7712
	#772	TMa PE 2.5GDI 8AT 39110-2S274/6	2252
	#772	TMa PE 2.5GDI 8AT 39110-2S275/7	4252
Tucson (NX4a)	#775	NX4a 2.5GDI 8AT 39110-2S280	7501
	#775	NX4a 2.5GDI 8AT 39110-2S281	7502
	#775	NX4a 2.5GDI 8AT 39110-2S282	7503
	#775	NX4a 2.5GDI 8AT 39110-2S283	7504
	#775	NX4a 2.5GDI 8AT 39110-2S284	7505
	#775	NX4a 2.5GDI 8AT 39110-2S285	7506
	#775	NX4a 2.5GDI 8AT 39110-2S286	7507
	#775	NX4a 2.5GDI 8AT 39110-2S287	7508
	#775	NX4a 2.5GDI 8AT 39110-2S288	7509
	#775	NX4a 2.5GDI 8AT 39110-2S289	7510
	#775	NX4a 2.5GDI 8AT 39110-2S290	7511
	#775	NX4a 2.5GDI 8AT 39110-2S291	7512
	#775	NX4a 2.5GDI 8AT 39110-2S292	7513
	#775	NX4a 2.5GDI 8AT 39110-2S293	7514
	#775	NX4a 2.5GDI 8AT 39110-2S294	7515
	#775	NX4a 2.5GDI 8AT 39110-2S295	7516
	#775	NX4a 2.5GDI 8AT 39110-2S296	7517
	#775	NX4a 2.5GDI 8AT 39110-2S297	7518
	#776	NX4/NX4a 2.5GDI 8AT 39110-2S280/81/86/87/92/93/62/64/66	2280
	#776	NX4/NX4a 2.5GDI 8AT 39110-2S282/88/94/68/70/72	2282
#776	NX4/NX4a 2.5GDI 8AT 39110-2S283/84/89/90/95/96/63/65/67	2283	
#776	NX4/NX4a 2.5GDI 8AT 39110-2S285/91/97/69/71/73	2285	