

 HYUNDAI Technical Service Bulletin	GROUP AUTOMATIC TRANSMISSION	NUMBER 20-AT-022H
	DATE SEPTEMBER 2020	MODEL(S) SANTA FE (TMa)
SUBJECT: TCU UPDATE – SANTA FE (TMA) 2.4L 8-SPEED TRANSMISSION SHIFT FLARE		

Description:

This bulletin provides the procedure to update the TCU for a shift flare and shock on reacceleration when driving in Sport Mode.

Applicable Vehicles: 2019~21 Santa Fe (TMa) 2.4GDI

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

Event #	Description
610*	TMA 2.4GDI 8AT - TIP-IN SHIFT SHOCK IMPROVEMENT (TCU)

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

Warranty Information:

Model	Op Code	Operation	Op Time	Causal Part	Nature Code	Cause Code
Santa Fe (TMa)	39171F08	TCU UPGRADE	0.3 M/H	Refer to ECU ROM ID Table on Page 2	T75	ZZ3

NOTE: Normal Warranty Applies

NOTICE

You must initially perform GDS TCU Update in Auto Mode.

- If the TCU Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.
- Refer to the General Instructions found in TSB 15-GI-001 (GDS Mobile).

TCU ROM ID Table:

Model	610.TMA 2.4 GDI 8AT – TIP-IN SHIFT SHOCK IMPROVEMENT (TCU)	ECU P/N	CAL ID	
			Old	New
Santa Fe TMa 2.4L 2WD	TMA 2.4GDI 2WD TCU 39171-2GTC0/C1/C5/C6, 39173-2GTE0/E1/G0/G1	39171-2GTC0 39171-2GTC1 39171-2GTC5 39171-2GTC6 39173-2GTE0 39173-2GTE1 39173-2GTG0 39173-2GTG1	TTM2G24NS0 TTM2G24NS1 TTM2G24NS2 TTM2G24NS3 TTM2G24NS4 TTM2G24NS5 TTM2G24NS6	TTM2G24NS7
Santa Fe TMa 2.4L 4WD	TMA 2.4GDI 4WD TCU 39171-2GTD0/D1/D5/D6, 39173-2GTF0/F1/H0/H1	39171-2GTD0 39171-2GTD1 39173-2GTF0 39173-2GTF1	TTM4G24NS0 TTM4G24NS1 TTM4G24NS2 TTM4G24NS3 TTM4G24NS4 TTM4G24NS5 TTM4G24NS6	TTM4G24NS7

Manual Update: If the TCU Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover. **NOTE:** Choose 2WD or 4WD.

Menu	Password
TMA 2.4GDI <u>2WD</u> TCU 39171-2GTC0/C1/C5/C6, 39173-2GTE0/E1/G0/G1	2247
TMA 2.4GDI <u>4WD</u> TCU 39171-2GTD0/D1/D5/D6, 39173-2GTF0/F1/H0/H1	4247

Perform the following after the TCU Update:

1. Check for Diagnostic Trouble Codes and erase any DTC.
2. Reset the automatic transmission adaptive values using GDS, **S/W Management, Automatic Transmission** menu and **Resetting Auto T/A Values**. Follow the prompts on the GDS.
3. Relearn the adaptive values using GDS, **S/W Management** menu and **AT Adaptation Mode**. Follow the prompts on the GDS.