



HYUNDAI Technical Service Bulletin

GROUP AUTOMATIC TRANSMISSION	NUMBER 23-AT-005H
DATE MAY 2023	MODEL(S) SANTA FE (TMa)

SUBJECT: TCU UPDATE – SANTA FE (TMA) 2.4L P0741

DESCRIPTION:

This bulletin provides the procedure to update the TCU to revise the logic for P0741 (Torque converter clutch circuit).

APPLICABLE VEHICLES: 2019~20MY Santa Fe (TMa) 2.4GDI with 8-speed automatic transaxle

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

Event #	Description
936*	TMa 2.4GDI 8AT P0741 IMPROVEMENT

(*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)	39171F13	TCU UPGRADE	0.3 M/H	39171-2GTC1	T75	ZZ3

NOTE: Normal Warranty Applies

TCU ROM ID TABLE:

936.TMa 2.4GDI 8AT P0741 Improvement	ECU P/N	ROM ID	
		Old	New
2WD: TMA 2.4GDI 2WD TCU 39171-2GTC0/C1/C5/C6, 39173-2GTE0/E1/G0/G1	39171-2GTC1	TTM2G24NS0	TTM2G24NS8
	39171-2GTC6	TTM2G24NS1	
	39173-2GTE1	TTM2G24NS2	
	39173-2GTG1	TTM2G24NS3	
	39171-2GTC0	TTM2G24NS4	
	39171-2GTC5	TTM2G24NS5	
	39173-2GTE0	TTM2G24NS6	
	39173-2GTG0	TTM2G24NS7	
4WD: TMA 2.4GDI 4WD TCU 39171-2GTD0/D1/D5/D6, 39173-2GTF0/F1/H0/H1	39171-2GTD1	TTM4G24NS0	TTM4G24NS8
	39173-2GTF1	TTM4G24NS1	
	39171-2GTD0	TTM4G24NS2	
	39173-2GTF0	TTM4G24NS3	
		TTM4G24NS4	
		TTM4G24NS5	
		TTM4G24NS6	
		TTM4G24NS7	

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 connect 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).

MANUAL UPDATE: If the TCU Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover. Select the correct file from the ECU ROM ID table.

Menu	Drive	Password
TMA 2.4GDI 2WD TCU 39171-2GTC0/C1/C5/C6, 39173-2GTE0/E1/G0/G1	2WD	2420
TMA 2.4GDI 4WD TCU 39171-2GTD0/D1/D5/D6, 39173-2GTF0/F1/H0/H1	4WD	2421

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.