

 HYUNDAI Technical Service Bulletin	GROUP AUTOMATIC TRANSMISSION	NUMBER 21-AT-001H
	DATE JANUARY 2021	MODEL(S) SONATA (LFa)
SUBJECT: TCU UPDATE – SONATA (LFA) 2.4L ROUGH IDLE IN DRIVE WITH NEUTRAL CONTROL ENABLED		

Description:

This bulletin provides the procedure to update the TCU for a rough idle in Drive with Neutral Control enabled. The rough idle may occur only at a stop in Drive with the A/C off and the ATF temperature between 158~210°F (70~99°C).

This update also reduces vibration when the brake is released during Neutral Control operation and the accelerator pedal is depressed.

Applicable Vehicles: 2018~19 Sonata (LFa) 2.4GDI

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

Event #	Description
629*	LFA PE 2.4GDI - NEUTRAL CONTROL LOGIC 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
Sonata (LFa)	39112F04	TCU UPGRADE	0.3 M/H	Refer to ECU ROM ID Table on Page 2	V41	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).

ECU ROM ID Table:

Model	Engine	Model Year	ECU P/N	ROM ID	
				Old	New
Sonata (LFA)	2.4L GDI	18MY	39112-2GGJ0 39112-2GGJ5	TLF0G24NL0 TLF0G24NL1 TLF0G24NL2 TLF0G24N12	TLF0G24N40
			39112-2GGK0 39112-2GGK5	TLF0G24SL0 TLF0G24SL1 TLF0G24SL2 TLF0G24S12	TLF0G24S40
		19MY	39112-2GGK2 39112-2GGK7	TLF0G24SL3 TLF0G24SL4	TLF0G24S41

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	Model Year	Password
LFA PE 2.4GDI TCU 39112-2GGJ0/5	18MY	1225
LFA PE 2.4GDI TCU 39112-2GGK0/5	18MY	1226
LFA PE 2.4GDI TCU 39112-2GGK2/7	19MY	1227

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.