

 HYUNDAI Technical Service Bulletin	GROUP FUEL SYSTEM	NUMBER 20-FL-011H
	DATE DECEMBER, 2020	MODEL(S) SANTA FE (TMA)
SUBJECT:	ECM SOFTWARE UPDATE – DTC P00D2	

Description:

This bulletin provides information related to an Electronic Control Module (ECM) software update which revises DTC P00D2: Oxygen Sensor Heater Control Circuit Range/Performance Bank 1 diagnostic logic.

Applicable Vehicle: Certain 2019 - 2020MY Santa Fe (TMA) equipped with 2.4L GDI engine.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Santa Fe (TMA)	00DA23R0	ECM UPGRADE	0.3 M/H	39171-2GTC0	I3T	ZZ3

NOTE 1: Submit Claim on Campaign Claim Entry Screen.

NOTE 2: If a part is found in need of replacement while performing this TSB and the affected part is still under warranty, submit a separate warranty 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.

GDS Information:

System Selection: **ENGINE CONTROL MODULE (ECM)**

Event #	Description
623*	TMA 2.4GDI – P00D2 DTC LOGIC IMPROVEMENT

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

Service Procedure:

1. Perform GDS Mobile software update per TSB **15-GI-001**.
2. After successful completion of **ECM software update**, check for Diagnostic Trouble Codes in **ALL** menus and erase any DTC.
3. Confirm normal vehicle operation.

NOTICE

You must initially perform GDS ECM Update in Auto Mode. If the ECM Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

! WARNING**GDS-M Vehicle Battery Low Voltage Warning:**

When the vehicle battery is lower than 12 volts, the GDS-M will trigger a Low Battery Voltage Warning. If this Warning occurs,

A. Connect the battery to a fully charged battery jump pack or GR8 charger using “Power Supply Mode” to continue the software update.

OR

B. Select “BACK” to exit the SW update. Then, start the engine and idle with the headlights on for 20 minutes. Return to the SW update after charging the battery.

Notice



Warning! lower Battery Voltage.
BATTERY VOLTAGE: 11.7

**ECM ROM ID Information Table:**

MODEL	MY (EMISSION)	IMMO.	PCM P/No.	ROM ID	
				OLD	NEW
TMA 2.4L GDI	19MY (ULEV)	+IMMO	39171-2GTC0 39171-2GTD0	TMAJNC48SE2A TMAJNC48SE2B TMAJNC48SEAC TMAJNC48SEAD TMAJNC48SEAE TMAJNC48SEAF TMAJNC48SG1A TMAJNC48SG1B TMAJNC48SG1C TMAJNC48SG1D	TMAJNC48SG1E
	19MY (ULEV)	-IMMO	39173-2GTE0 39173-2GTF0	TMAJNC48NE2A TMAJNC48NE2B TMAJNC48NEAC TMAJNC48NEAD TMAJNC48NEAE TMAJNC48NEAF TMAJNC48NG1A TMAJNC48NG1B TMAJNC48NG1C TMAJNC48NG1D	TMAJNC48NG1E

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MODEL	MY (EMISSION)	IMMO.	PCM P/No.	ROM ID	
				OLD	NEW
TMA 2.4L GDI	19MY (SULEV)	+IMMO	39171-2GTC5	TMAJNS48SE2A TMAJNS48SE2B TMAJNS48SEAC TMAJNS48SEAD TMAJNS48SEAE TMAJNS48SEAF TMAJNS48SG1A TMAJNS48SG1B TMAJNS48SG1C TMAJNS48SG1D	TMAJNS48SG1E
	19MY (SULEV)	-IMMO	39173-2GTG0	TMAJNS48NE2A TMAJNS48NE2B TMAJNS48NEAC TMAJNS48NEAD TMAJNS48NEAE TMAJNS48NEAF TMAJNS48NG1A TMAJNS48NG1B TMAJNS48NG1C TMAJNS48NG1D	TMAJNS48NG1E
	20MY (ULEV)	+IMMO	39171-2GTC1 39171-2GTD1	TMAKNC48SG1A TMAKNC48SG1B TMAKNC48SG1C TMAKNC48SG3A TMAKNC48SG3B	TMAKNC48SG3C
	20MY (ULEV)	-IMMO	39173-2GTE1 39173-2GTF1	TMAKNC48NG1A TMAKNC48NG1B TMAKNC48NG1C TMAKNC48NG3A TMAKNC48NG3B	TMAKNC48NG3C
	20MY (SULEV)	+IMMO	39171-2GTC6	TMAKNS48SG1A TMAKNS48SG1B TMAKNS48SG1C TMAKNS48SG3A TMAKNS48SG3B	TMAKNS48SG3C

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MODEL	MY (EMISSION)	IMMO.	PCM P/No.	ROM ID	
				OLD	NEW
TMA 2.4L GDI	20MY (SULEV)	-IMMO	39173-2GTG1	TMAKNS48NG1A TMAKNS48NG1B TMAKNS48NG1C TMAKNS48NG3A TMAKNS48NG3B	TMAKNS48NG3C

NOTE: +IMMO = Start Stop Button, -IMMO = Key Start

Manual Mode Password Information Tables:

EVENT #	MENU	PASSWORD
#623	TMA 2.4GDI -IMMO 39173-2GTE0/F0	4811
	TMA 2.4GDI -IMMO 39173-2GTG0	4812
	TMA 2.4GDI -IMMO 39173-2GTE1/F1	4833
	TMA 2.4GDI -IMMO 39173-2GTG1	4834
	TMA 2.4GDI +IMMO 39171-2GTC0/D0	4815
	TMA 2.4GDI +IMMO 39171-2GTC5	4816
	TMA 2.4GDI +IMMO 39171-2GTC1/D1	4837
	TMA 2.4GDI +IMMO 39171-2GTC6	4838

NOTE: +IMMO = Start Stop Button, -IMMO = Key Start