



# HYUNDAI Technical Service Bulletin

GROUP <b>FUEL SYSTEM</b>	NUMBER <b>20-FL-011H</b>
DATE <b>DECEMBER, 2020</b>	MODEL(S) <b>SANTA FE (TMA)</b>

<b>SUBJECT:</b>	ECM SOFTWARE UPDATE – DTC P00D2
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### 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
<b>623*</b>	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.



**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