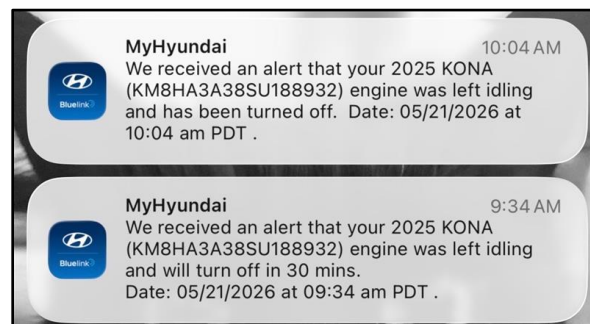


 HYUNDAI Technical Service Bulletin	GROUP FUEL SYSTEM	NUMBER 26-FL-003H
	DATE JUNE 2026	MODEL(S) KONA (SX2)
SUBJECT: FALSE “ENGINE LEFT IDLING” MYHYUNDAI NOTIFICATIONS - ECM SOFTWARE UPDATE - DTC P223700		

Description: Some Kona (SX2) vehicles equipped with the 1.6L T-GDI engine may exhibit false “engine left idling” notifications in the MyHyundai app, even when the engine is not running, due to a logic error associated with the front oxygen (O₂) sensor. This condition may also illuminate the Malfunction Indicator Lamp (MIL) and set DTC P223700 (O₂ Sensor Pumping Current Circuit/Open [Bank 1 Sensor 1]). This bulletin provides instructions to perform an ECU software update to correct the O₂ sensor logic and resolve the condition.



Sample MyHyundai App Notifications

Applicable Vehicles:

Model Year	Model	Engine	Production Dates
2024 – 2025	Kona (SX2)	1.6 T-GDI	06/20/2023 – 05/16/2025

SST Information:

Tool Name	Tool Number	Figure	Ordering Information
VCI 3	G0VHNNN06		Website: https://hyundaiaessentialtools.com/ Email: Hyundaitools@snapon.com Phone: 1-855-763-9199 Hours: 7 AM – 7 PM CST
VCI 2	G1XDDMN001		

NOTE: VCI 2 can **NO** longer be ordered but can be used for the updates in this TSB.

SUBJECT:FALSE "ENGINE LEFT IDLING" MYHYUNDAI NOTIFICATIONS -
ECM SOFTWARE UPDATE - DTC P223700**GDS Information:**

Model	System	Event Number*	Description
Kona (SX2)	Engine	1471	SX2 GAMMA 1.6 T-GDI P2237 DTC IMPROVEMENT

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

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Kona (SX2)	39121F22	ECM Software Update	0.3 M/H	Refer to WEBLTS for applicable part to labor op code combination	I14	ZZ3

NOTE 1: Normal warranty applies.

NOTE 2: Submit a "Warranty" claim on the "Claim Entry/Edit/Submit" screen on WebDCS and attach all required Digital Documentation per TSB to the claim.

NOTE 3: This TSB includes repair justification in the form of automatically uploaded DTC(s) via GDS e-Report at the time of diagnosis. To ensure adherence to the Digital Documentation Policy before claim submission, DTC history can be reviewed via the e-Report function within the GDS. Additionally, required photos include a capture of the ECU Update "Success" screen for the associated update events.

NOTE 4: If any part(s) not subject to this TSB are found in need of replacement while performing the repair procedure, and the affected part(s) are still under warranty, the dealer may submit a separate claim using the same repair order. If the part(s) not subject to this TSB are out of warranty coverage, the dealer has the option to submit a PA Request for goodwill consideration on a case-by-case basis.

ROM ID Information:

Model	Event	System	IMMO	ECU Part Number	ROM ID	
					Current	Latest
Kona (SX2)	1471	Engine	Yes	39121-2MSN0	TSX23NS06F000E03 TSX23NS06F100E03 TSX23NS06F200E03	TSX23NS06F300E03
				39121-2MSN1	TSX25NS06F000E03 TSX25NS06F100E03	TSX25NS06F200E03

Service Procedure:

DIGITAL DOCUMENTATION

This TSB includes repair justification in the form of automatically uploaded DTC(s) via GDS e-Report at the time of diagnosis. To ensure adherence to the Digital Documentation Policy before claim submission, DTC history can be reviewed via the e-Report function within the GDS. Additionally, required photos include a capture of the ECU Update "Success" screen for the associated update events.

NOTICE

You must initially perform the GDS ECU update in Auto Mode.

- If the ECU update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

NOTICE

Ensure the vehicle's battery charge is **≥12.3 Volts** and the tablet's battery charge is **above 30%** before performing a software update, to avoid update failure. Hyundai recommends connecting a battery maintainer/charger when performing **all ECU updates**.

**Information**

- Turn **OFF** all lamps (do **NOT** leave head lamp switch in auto mode) and all accessories.
- Perform update with the ignition switch in the **ON** position.
- Do **NOT** disconnect any cables connected to the vehicle or scan tool during the update.
- Do **NOT** start the engine OR place in **Ready** mode during the update.
- Do **NOT** turn **OFF** the ignition switch during the update.

NOTICE

You may see various warnings appear on the cluster during the update procedure, such as "**Downhill Brake Control Disabled**", "**Check ABS**", and "**Check ESC**". These warning occurrences are normal and will clear after the service procedure is completed.

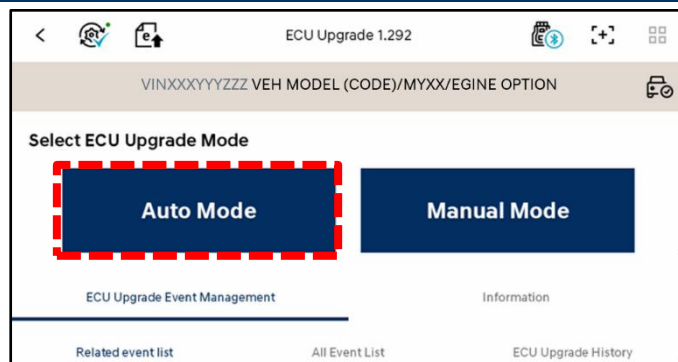
You may also see the following pending DTCs after the update is completed: U012B00, U014000, U015500, U016400, U013100, U113100, U012600, and U010100. Clear the DTCs as instructed in the service procedure.

SUBJECT:**FALSE "ENGINE LEFT IDLING" MYHYUNDAI NOTIFICATIONS -
ECM SOFTWARE UPDATE - DTC P223700****ECU Update Procedure**

1. Perform the ECU update in **Auto Mode**.

i Information

Refer to **TSB # 25-GI-011H**, "ECU Update Procedure for Tablet-Based GDS-Smart", for additional information.

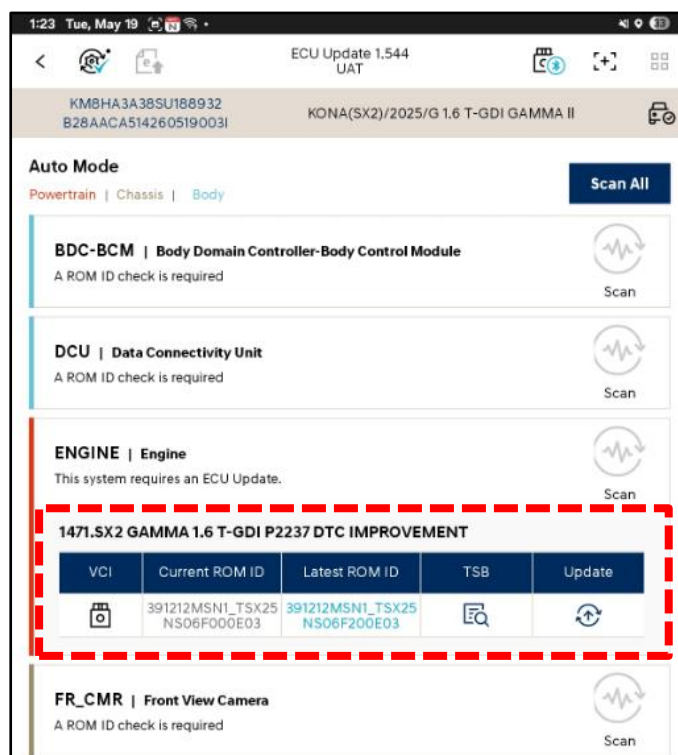


2. Verify the ROM ID by selecting the **Engine** system to scan the vehicle's current ROM ID.

NOTICE

Check the current ROM ID version and compare it to the ROM ID Information table before attempting to perform the software update.

If the update fails, remove the power connector from the in-cabin fuse box for at least **5 seconds**. Alternatively, disconnect the negative (–) **12V** battery terminal and wait at least **5 seconds**. Reassemble and retry the update.

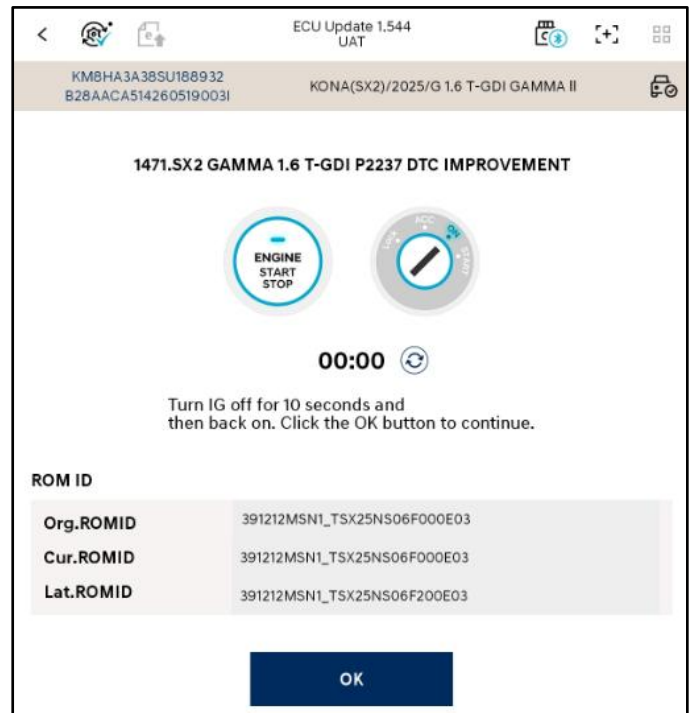


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ECM SOFTWARE UPDATE - DTC P223700**

3. After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to **30 seconds**).

**Information**

Use the **Refresh** button to reset the timer.



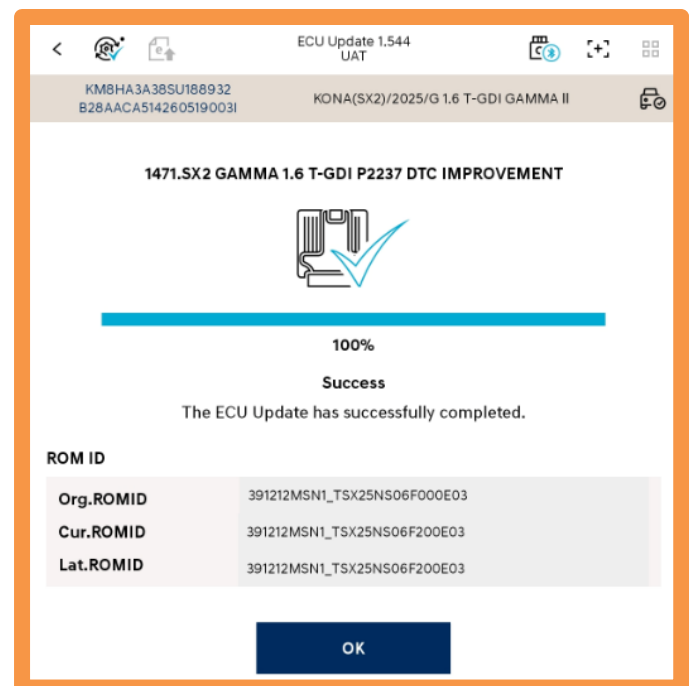
- 4.

**DIGITAL
DOCUMENTATION**

Using the tablet or GDS screen capture function, take a screenshot of the ECU Update "Success" result screen.

Upload the photo to STUI.

NOTE: The VIN/Date/Time/Mileage photo imprint is **NOT** required for GDS screenshots.



SUBJECT:**FALSE "ENGINE LEFT IDLING" MYHYUNDAI NOTIFICATIONS -
ECM SOFTWARE UPDATE - DTC P223700**

5. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.



6. Start the engine to confirm proper operation of the vehicle.
7. The service procedure is now complete.

NOTICE

If the ECU update fails in Auto Mode, perform the update in Manual Mode using the password(s) below.

Manual Mode Password:

Event	Menu	Password
1471	SX2 GAMMA 1.6 T-GDI ECU 39121-2MSN0	7130
	SX2 GAMMA 1.6 T-GDI ECU 39121-2MSN1	1780