

 HYUNDAI Technical Service Bulletin	GROUP ENGINE MECHANICAL	NUMBER 26-EM-006H
	DATE MARCH 2026	MODEL(S) ELANTRA (CN7)
SUBJECT: ECU SOFTWARE UPDATE FOR ITM LOGIC & OXYGEN SENSOR IMPROVEMENT – DTC P218100 / P013300		

Description: Some Elantra (CN7) vehicles equipped with the 2.0L AKS NU PE engine may exhibit an illuminated Check Engine light for diagnostic trouble code (DTC) P218100 or P013300 which are related to the Integrated Thermal Management Module (ITM) and Oxygen Sensor monitoring. This bulletin provides instructions to update the Engine Control Module (ECM) logic to resolve the condition.

- DTC P218100 – Cooling System Performance
- DTC P013300 – O2 Sensor Circuit Slow Response (Bank 1 / Sensor 1)

Applicable Vehicles:

Model Year	Model	Engine
2024 – 2025	Elantra (CN7)	2.0L AKS NU PE

SST Information:

Tool Name	Tool Number	Figure	Ordering Information
VCI 3	G0VHNNN06		Website: https://hyundaiesentialtools.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.

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OXYGEN SENSOR IMPROVEMENT – DTC P218100 / P013300**GDS Information:**

Model	System	Event Number*	Description
Elantra (CN7)	Engine	1277	CN7 PE ECU UPGRADE FOR EARLY INTERVENTION OF ITM ISSUES

(*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
Elantra (CN7)	39100F48	ECU Update for ITM Logic and Oxygen Sensor Improvement	0.4 M/H	Refer to WebLTS for applicable part to labor op code combination	I11	ZZ3

NOTE 1: Normal warranty applies.

NOTE 2: Submit claim on Claim Entry Screen as “Warranty” type.

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	ECU Part Number	ROM ID	
				Current	Latest
2024MY Elantra (CN7)	1277	Engine	39100-2J340	CNEVD0AMF3XCSPGA	CNEVD0AMF3XCFFPGB
			39100-2J341	CNEVD0AMFCXCSPGA	CNEVD0AMFCXCFFPGB
			39100-2J342	CNEVD0ANF3XCSPGA	CNEVD0ANF3XCFFPGB
391X2-2J355			CNGVD0AMFCXCSPJA	CNGVD0AMFCXCSPJC	
			CNGVD0AMFCXCSPJB		
2025MY Elantra (CN7)			391X2-2J356	CNGVD0ANF3XCSPJA	CNGVD0ANF3XCSPJC
	CNGVD0ANF3XCSPJB				

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 event(s).

NOTICE

Ensure the vehicle’s battery charge is **above 11.0 Volts** and the tablet’s battery charge is **above 30%** before performing a software update to avoid update failure.

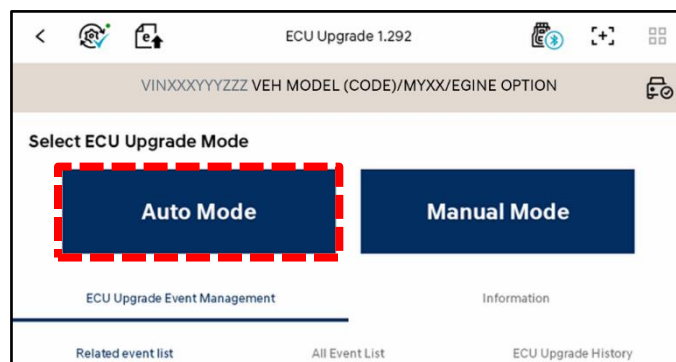
***i* Information**

- 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.

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

i Information

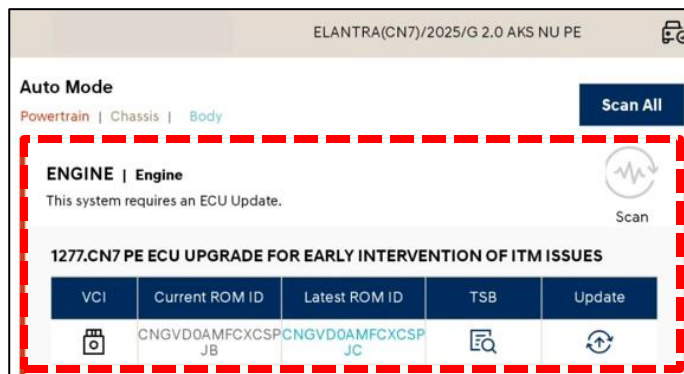
Refer to **TSB # 25-GI-011H**, “ECU Update Procedure for Tablet-Based GDS-Smart”, for additional information.



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.



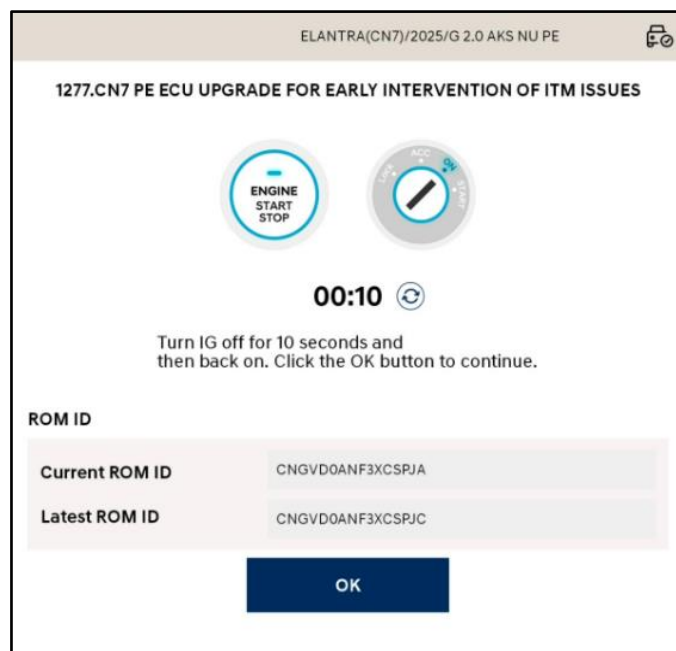
NOTICE

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.

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**).

i Information

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



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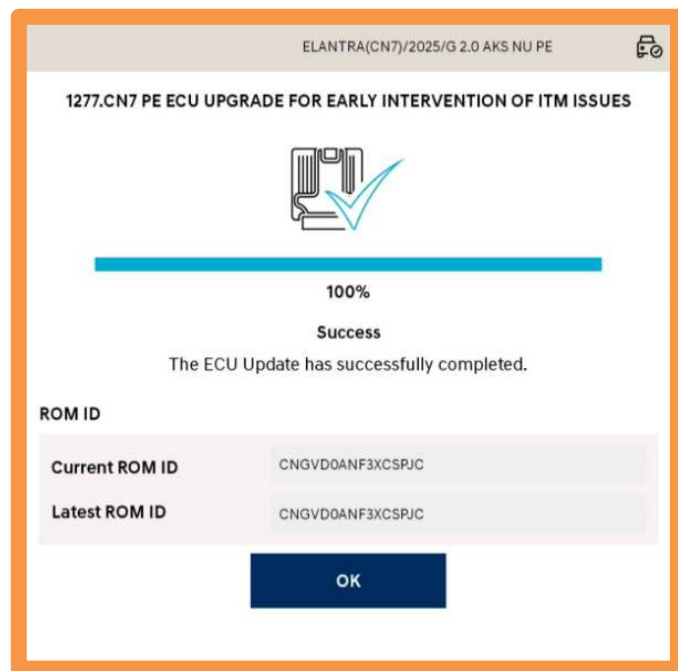
4.

**DIGITAL
DOCUMENTATION**

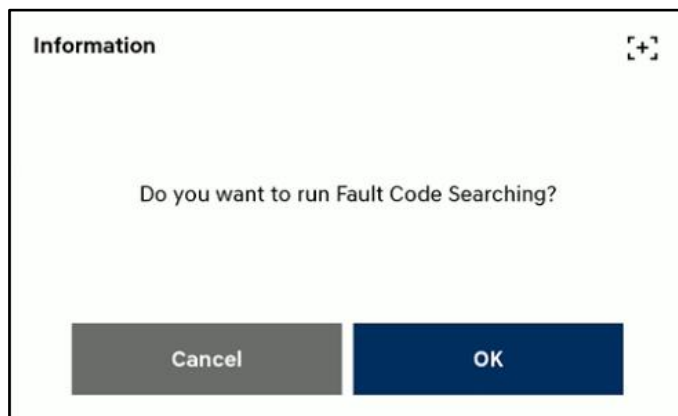
Using the tablet or GDS screen capture function, take a screenshot of the ECU Update “Success” result screen.

Upload the photo to STUI.

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



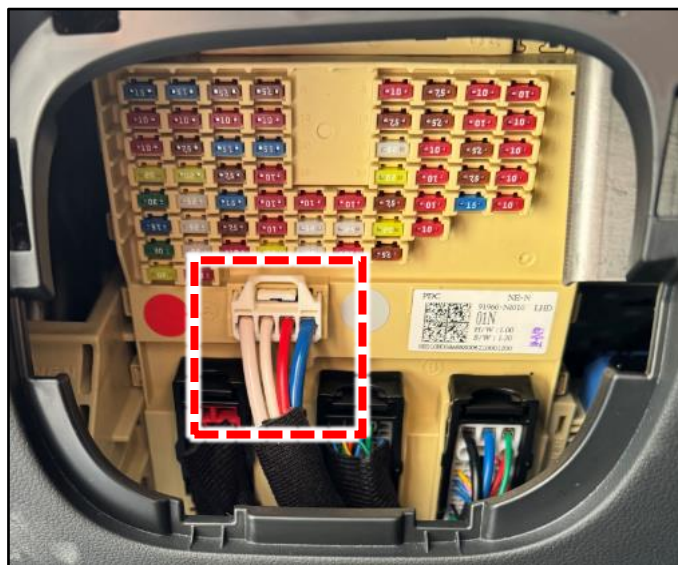
5. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.



6. Remove the power connector from the in-cabin fuse box for at least **5 seconds**, then reconnect it.

i Information

Alternatively, disconnect the negative (–) **12V** battery terminal, wait at least **5 seconds**, then reconnect it.



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7. Start the engine to confirm proper operation of the vehicle.
8. 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
1277	CN7 PE 2.0 ATK ECU 39100-2J340	2340
	CN7 PE 2.0 ATK ECU 39100-2J341	2341
	CN7 PE 2.0 ATK ECU 39100-2J342	2342
	CN7 PE 2.0 ATK ECU 391X2-2J355	2355
	CN7 PE 2.0 ATK ECU 391X2-2J356	2356