



HYUNDAI

Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 26-01-021H
DATE FEBRUARY 2026	MODEL(S) PALISADE HYBRID (LX3 HEV)

SUBJECT: ECM SOFTWARE UPDATE – DTC P050500, P050600
(LIMITED COVERAGE CAMPAIGN LA16)

★ IMPORTANT

Dealers must perform this field action on all affected vehicles within 8 / 80,000 Emissions Warranty prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair. See Warranty Information section for more details.

Access the “Vehicle Information” screen via WebDCS to verify “Warranty Start Date” and ensure the vehicle is within Emission Warranty, observing mileage prior to any repair work.

Description: Certain Palisade Hybrid (LX3 HEV) vehicles equipped with the 2.5T-GDI HEV engine may set DTC P050500/P050600. This bulletin provides instructions to perform a software update on the Engine Control Module (ECM) to resolve this condition.

- **P050500** Idle Air Control System
- **P050600** Idle Air Control System – RPM Lower than Expected

Applicable Vehicles (Certain):

Model Year	Model	Engine	Production Dates
2026	Palisade Hybrid (LX3 HEV)	2.5T	08/11/2025 – 09/30/2025

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:ECM SOFTWARE UPDATE – DTC P050500, P050600
(LIMITED COVERAGE CAMPAIGN LA16)**GDS Information:**

Model	System	Event Number*	Description
Palisade Hybrid (LX3 HEV)	ENGINE	1323	LX3 HEV ECU S/W TO IMPROVE DTC P0505/P0506 MISDIAGNOSIS

(*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
Palisade Hybrid (LX3 HEV)	50D260R0	ECM Software Update	0.3 M/H	391X6-2S003	I11	ZZ3

NOTE 1: Submit claim on Claim Entry Screen as “Campaign” type.**NOTE 2:** 8/80,000 Emissions Warranty applies to the part(s) and repair procedure(s) outlined in this TSB. Prior to beginning any repair work, ensure the part(s) associated with the repair procedure are within NVLW, observing mileage and Warranty Start Date or date of first use. If the subject part(s) are out of warranty coverage, the dealer has the option to submit a PA Request for goodwill consideration on a case-by-case basis.**NOTE 3:** 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.**NOTE 4:** This TSB includes repair validation photos. Op times include VIN, mileage, and photo capture of the ECU Update “Success” result screen as outlined in the Digital Documentation Policy.**ROM ID Information:**

Model	Event	System	ECU Part Number	ROM ID	
				Current	Latest
Palisade Hybrid (LX3 HEV)	1323	ENGINE	391X6-2S003	2571LXXHHMXXXX9E	2591LXXHHMXXXX9F

SUBJECT:

ECM SOFTWARE UPDATE – DTC P050500, P050600
(LIMITED COVERAGE CAMPAIGN LA16)

Service Procedure:**DIGITAL DOCUMENTATION**

This TSB includes repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

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

**Information**

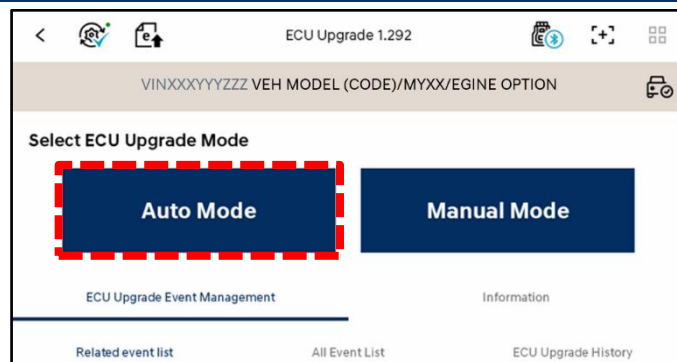
- Turn **OFF** all lamps (do **NOT** leave head lamp switch in auto mode) and all accessories.
- Perform update with the ignition switch in the **ON** position.
- Do **NOT** disconnect any cables connected to the vehicle or scan tool during the update.
- Do **NOT** place in **Ready** mode during the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

ECM Update Procedure

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

**Information**

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



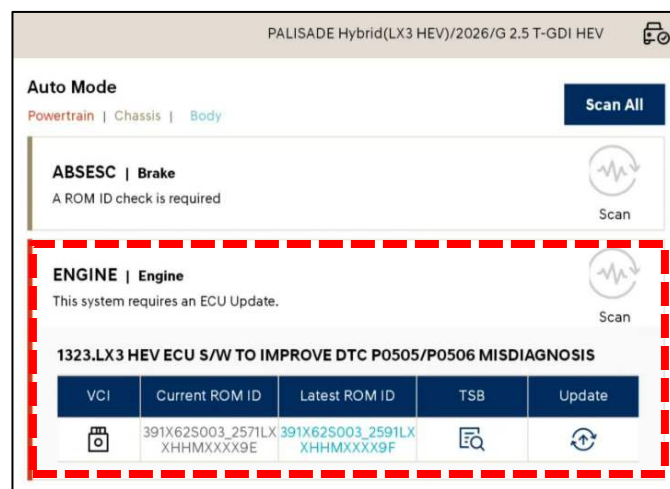
2. Verify the ROM ID by selecting the **ENGINE** system to scan the vehicle's current ROM ID.

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.

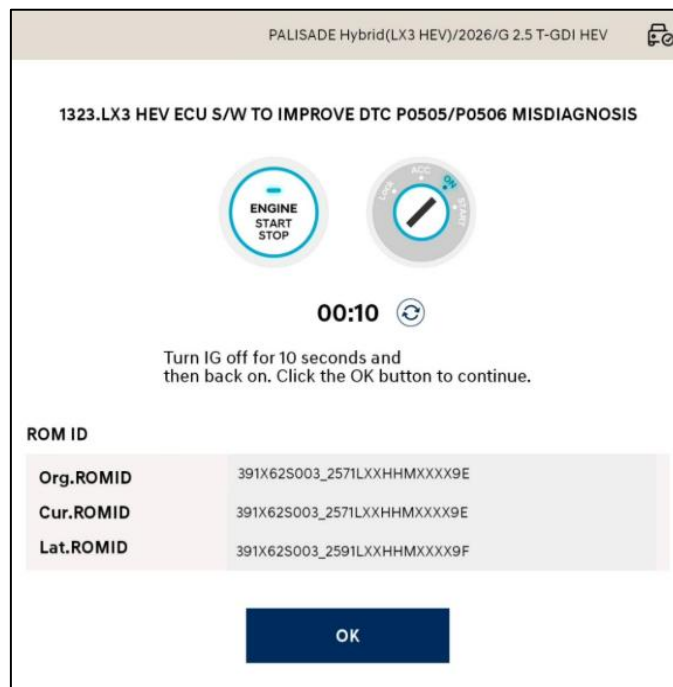


SUBJECT:**ECM SOFTWARE UPDATE – DTC P050500, P050600
(LIMITED COVERAGE CAMPAIGN LA16)**

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.



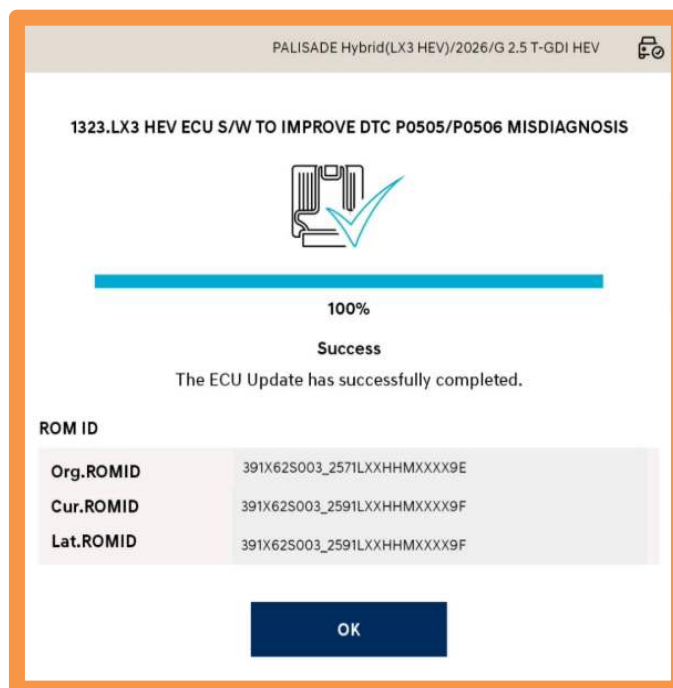
- 4.

**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:

ECM SOFTWARE UPDATE – DTC P050500, P050600
(LIMITED COVERAGE CAMPAIGN LA16)

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



6. Place in **Ready** mode 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
1323	LX3 HEV 2.5T-GDI ECU 391X6-2S003	5160