



HYUNDAI

Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 25-01-071H
DATE OCTOBER 2025	MODEL(S) SANTA CRUZ (NXT)

SUBJECT: TCU SOFTWARE UPDATE FOR 8DCT HIGH PRESSURE ELECTRIC OIL PUMP (SERVICE CAMPAIGN TEJA)

*** IMPORTANT**

Dealers must perform this service campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the “Vehicle Information” screen via WebDCS to identify open campaigns.

Description: Certain Santa Cruz (NXT) vehicles equipped with 8-speed dual clutch transmissions (8DCT) may set one of the high pressure electric oil pump (HP EOP) DTCs listed below. This bulletin provides the service procedure to update the Transmission Control Unit (TCU) with improved logic to address these DTCs and enhance operation of the 8DCT.

HP EOP DTCs

DTC	Description
P1C2D03	HP EOP Motor Position Sensor
P1C2D1C	
P1C2E92	HP EOP Motor Control
P1C2E94	

Applicable Vehicles (Certain):

Model Year	Model	Transmission	Production Dates
2025	Santa Cruz (NXT)	8DCT	07/22/2024 – 06/18/2025

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 (P/N G1XDDMN001) can **NO** longer be ordered.

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GDS Information:

Model	System	Event Number*	Description
Santa Cruz (NXT)	AT / Transmission	1308	NX4OB (PE) 8DCT TCU SENSORLESS LOGIC APPLICATION

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

NOTE: This software update is subject to an OTA (Over-the-Air) option and may be completed by customers with active Bluelink subscriptions.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Santa Cruz (NXT)	50DA41R0	TCU Software Update	0.5 M/H	954A1-2N470	I11	ZZ3

NOTE 1: Submit claim on Claim Entry Screen as “Campaign” type.

NOTE 2: This TSB includes repair validation photo(s). Op times include VIN, mileage, and photo capture of the ECU Update “Success” screen as outlined in the Digital Documentation Policy.

NOTE 3: If a part is found in need of replacement while performing this TSB and the affected part is still under warranty, submit a separate 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.

ROM ID Information:

Model	Event	System	ECU Part Number	ROM ID	
				Current	Latest
Santa Cruz (NXT)	1308	AT/ Transmission	954A1-2N470	WNX4A1T25X4XXNS0	WNX4A1T25X4XXNS5
				WNX4A1T25X4XXNS1	
				WNX4A1T25X4XXNS2	
				WNX4A1T25X4XXNS3	

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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.

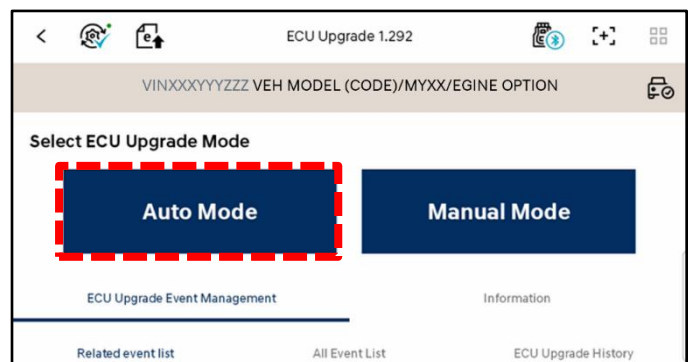
i Information

- 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 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.



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2. Verify the ROM ID by selecting the **AT / Transmission** 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

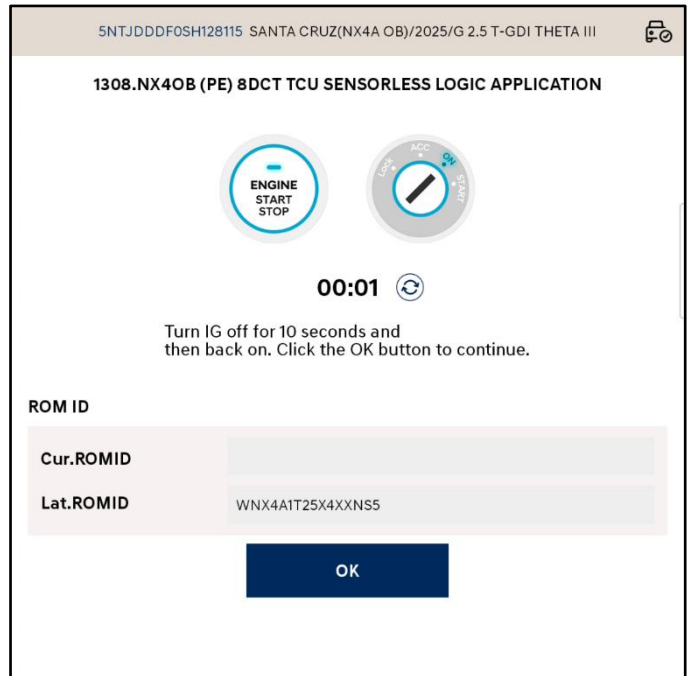
If the update fails, remove the power connector from the in-cabin fuse box for at least **5 seconds**. Alternatively, disconnect the negative (-) **12V** battery terminal, wait at least **5 seconds**. Reassemble and retry the update.

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**).



Information

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



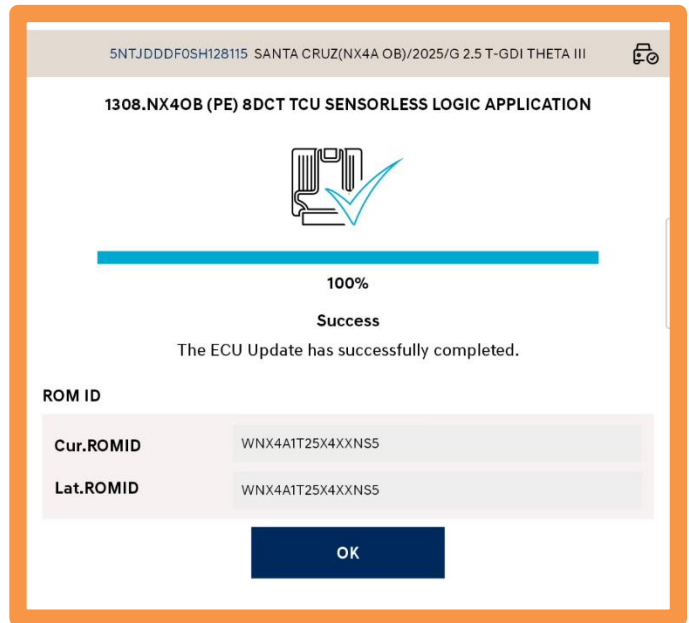
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4.

**DIGITAL
DOCUMENTATION**



Take a screenshot of the ECU Update “Success” screen using your tablet and upload to STUI.



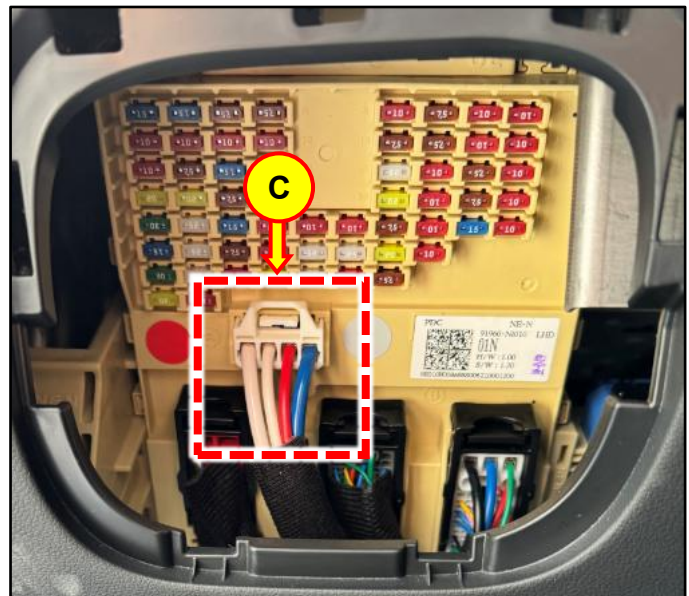
5. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.



6. Remove the power connector (C) 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.



7. Start the engine to confirm proper operation of the vehicle.

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NOTICE

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

Manual Mode Password:

Event	ECU Menu	Password
1308	NX4OB PE DCT 954A1-2N470	0742