



# Technical Service Bulletin

GROUP <b>CAMPAIGN</b>	NUMBER <b>26-01-028H</b>
DATE <b>MARCH 2026</b>	MODEL(S) <b>SANTA CRUZ (NXT)</b>

**SUBJECT:** TCU SOFTWARE UPDATE FOR 8DCT HIGH PRESSURE ELECTRIC OIL PUMP (LIMITED COVERAGE CAMPAIGN LA12)

## ★ IMPORTANT

Dealers must perform this field action on all affected vehicles within 10 / 100,000 Powertrain Limited Warranty for original owners and 5 / 60,000 New Vehicle Limited Warranty (NVLW) 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 the applicable warranty, observing mileage prior to any repair work.

**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
2022 - 2024	Santa Cruz (NXT)	8DCT	06/03/2021 – 09/19/2024

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ELECTRIC OIL PUMP (LIMITED COVERAGE CAMPAIGN LA12)**SST Information:**

Tool Name	Tool Number	Figure	Ordering Information
VCI 3	G0VHNNN06		Website: <a href="https://hyundaiesentialtools.com/">https://hyundaiesentialtools.com/</a>
VCI 2	G1XDDMN001		Email: <a href="mailto:Hyundaitools@snapon.com">Hyundaitools@snapon.com</a> Phone: 1-855-763-9199 Hours: 7 AM – 7 PM CST

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

**GDS Information:**

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

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

**Warranty Information:**

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Santa Cruz (NXT)	50DA50R0	TCU Software Update	0.5 M/H	430A1-2N029	I11	ZZ3

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

**NOTE 2:** 10 / 100,000 Powertrain Limited Warranty for original owners and 5 / 60,000 New Vehicle Limited Warranty (NVLW) for subsequent owners, apply to the part(s) and repair procedure(s) outlined in this TSB. Prior to beginning any repair work, ensure that the part(s) associated with the repair procedure are within the applicable warranty, observing mileage and Warranty Start Date or date of first use. If the subject part(s) are out of warranty coverage, the dealer may 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” screen as outlined in the Digital Documentation Policy.

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Model	Event	System	ECU Part Number	ROM ID	
				Current	Latest
Santa Cruz (NXT)	1308	AT/ Transmission	954A1-2N460	WNX4T25X4X730NS0	WNX4T25X4X940NSD
				WNX4T25X4X800NS1	
				WNX4T25X4X730NS2	
				WNX4T25X4X800NS3	
				WNX4T25X4X800NS4	
				WNX4T25X4X832NS5	
				WNX4T25X4X900NS7	
				WNX4T25X4X900NS9	
				WNX4T25X4X920NSA	
				WNX4T25X4X920NSB	
				WNX4T25X4X920NSC	

**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.

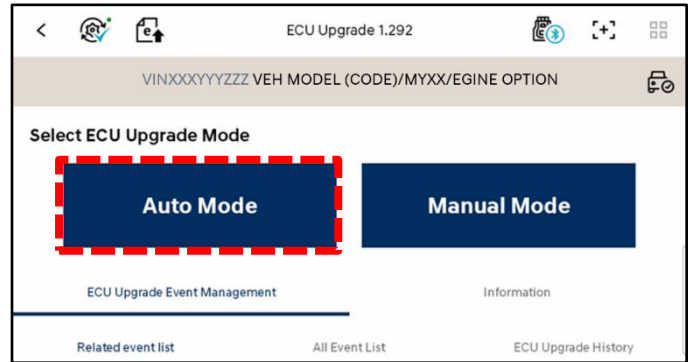
**Information**

- 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** 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**

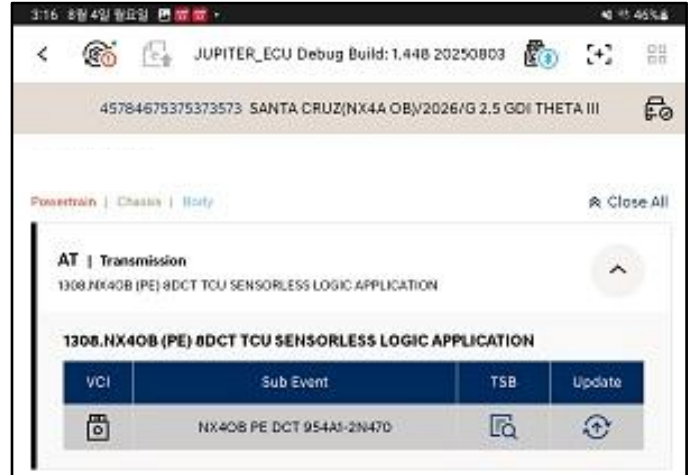
Refer to **TSB # 25-GI-011H**, “**ECU Update Procedure for Tablet-Based GDS-Smart**”, for additional information.



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.



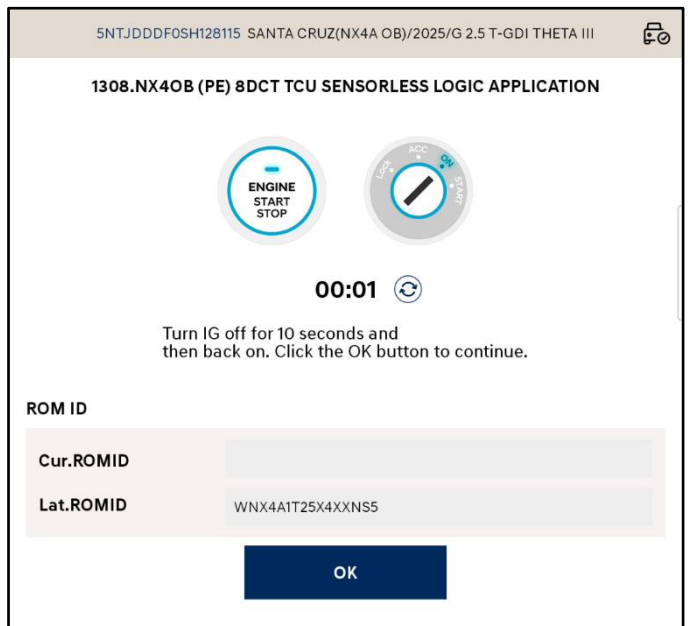
**NOTICE**

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**).

**i Information**

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



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4.

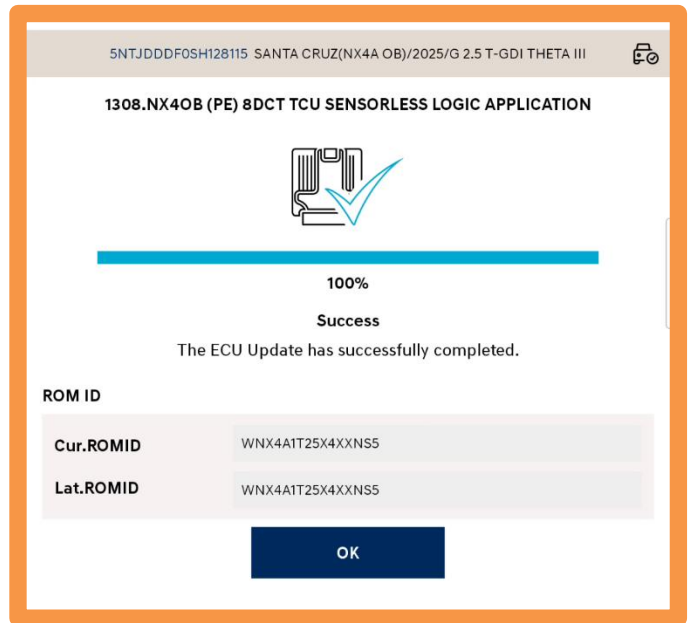
**DIGITAL  
DOCUMENTATION**



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.

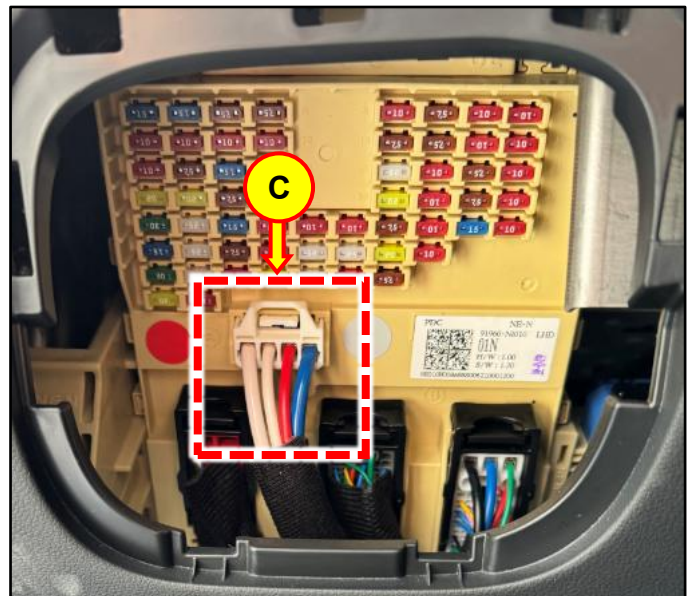


6.

Remove the power connector (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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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 DCT 954A1-2N460	0642