



Technical Service Bulletin

GROUP

TRANSFER CASE

NUMBER

24-TC-001H

DATE

AUGUST 2024

MODEL(S)

PALISADE (LX2)

SUBJECT: AWD ECU SOFTWARE UPDATE FOR AWD COUPLING NOISE

Description: This bulletin provides instructions to update the all wheel drive engine control unit (AWD ECU) for certain AWD Palisade (LX2) vehicles to reduce the coupling noises when making turns.

Applicable Vehicles: 2020-24MY AWD Palisade (LX2) produced from 4/10/2019 – 1/10/2024.

GDS Information: 4WD Control

System	Event #	Description
4WD Control	1084	LX2 4WD Coupling Low Speed Turning Noise Improving Update

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

Warranty Information:

Model	Op. Code	Operation	Op. Time	Casual Part	Nature Code	Cause Code
Palisade (LX2)	95447F08	AWD Update	0.3 M/H	95447-4G550 95447-4G500	I14	ZZ3

NOTE 1: Normal warranty applies.

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

NOTE 3: This TSB includes Repair validation photo(s). Op times include VIN, Mileage, and photo capture of the “ECU update complete” screen as outlined in the Digital Documentation Policy.

NOTE 4: 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: Event # 1084

System Selection - AWD

Model	System	ECU Part Number	ROM ID	
			Old	New
Palisade (LX2)	AWD	95447-4G500	HMLX2000CPL00304	HMLX2000CPL00401
		95447-4G550	CLX21-XXXB060XS0	CLX21-XXXB061XS1

Service Procedure:**STUI**

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**GDS Vehicle Battery Low Voltage Warning:**

If voltage is below 12 volts per the GDS warning, then select **Back** and attach a battery charger to ensure an adequate battery charge for reliable update results. Turn ignition back **ON**, and then retry the ECU update again.

**Information**

- Verify the vehicle battery has reasonable charge.
- 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 update.
- Do **NOT** start the engine during update.
- Do **NOT** turn off the ignition switch during update.

AWD ECU Software Update for AWD Coupling Noise

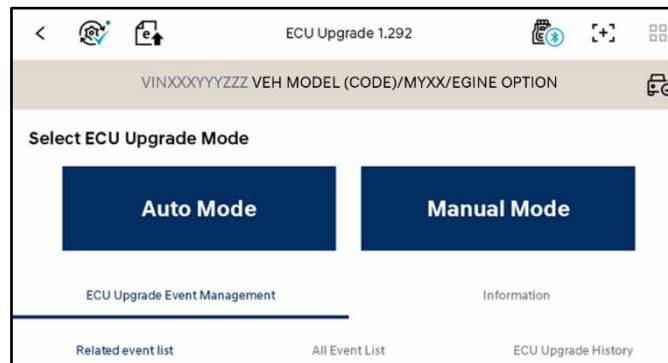
1. Perform the ECU update in **Auto Mode**.

Use the **ID Check** to verify the ROM ID before updating the software.



Information

Refer to **TSB 24-GI-012H**, “**ECU Update Procedure for Tablet-Based GDS-Smart**”, for additional information.



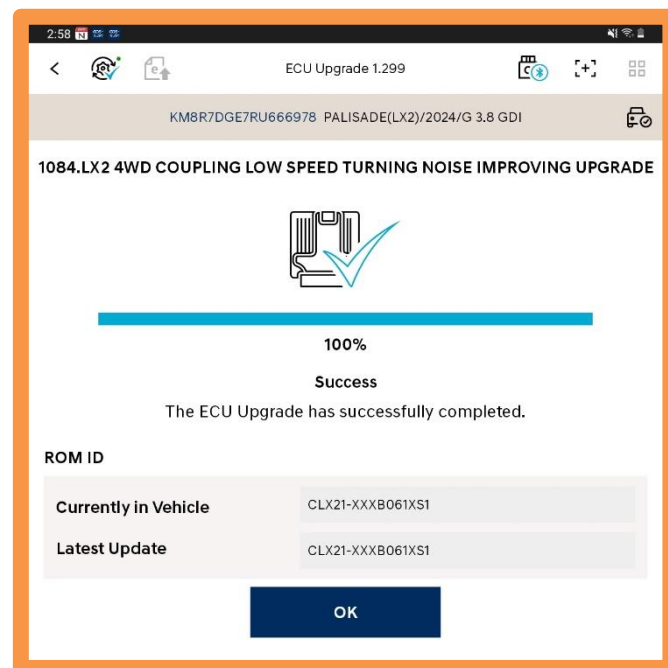
2. After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to 30 seconds).

- 3.

STUI



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



4. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.
5. Start the engine to confirm proper operation of the vehicle.

Manual Mode Information: Event # 1084

ECM Menu	Password
LX2 4WD AWD 95447-4G500	5745
LX2 4WD AWD 95447-4G550	7455