



# Technical Service Bulletin

<b>GROUP</b>	<b>NUMBER</b>
<b>ENGINE</b>	<b>24-EM-009G</b>
<b>DATE</b>	<b>MODEL(S)</b>
<b>OCTOBER 2024</b>	<b>GV80 (JX1)</b>

**SUBJECT:** ECU UPDATE – DTC P250F OIL LEVEL SENSOR WARNING LIGHT LOGIC

**Description:** Certain 2023-2024MY GV80 (JX1) vehicles equipped with the 3.5T-GDI engine may experience a warning lamp illumination for a diagnostic trouble code P250F that is related to the oil level sensor circuit. Due to the current logic in the vehicles, DTC P250F could set unintentionally when the engine oil level is within the proper range. Follow the service procedure outlined in this bulletin to check the engine oil level and reprogram the powertrain control module to update the oil level sensor warning light logic to ensure the light only illuminates when required.

- DTC P250F – ‘Engine Oil Level Too Low’

### Applicable Vehicles:

- 2023-2024MY GV80 (JX1) equipped with the 3.5T-GDI Lambda III Engine

### GDS Information:

System	Event #	Description
Engine	1150	JX LAMBDA3 3.5T-GDI ECU UPGRADE - OLS LOGIC IMPROVEMENT (P250F)

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

### Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
GV80 (JX1)	39110FJ3	ECU Update	0.4M/H	See Note 4	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:** Please refer to the Web Parts Catalog for the applicable ECU part number per VIN. Potential ECU part numbers for this repair listed in table below.

**NOTE 5:** 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 # 1150**

Model	System	ECU		ROM ID	
		Part Number	Old	New	
GV80 (JX1)	Engine	39110-3N395	TJX-3NU0HF000M0K TJX-3NU0HF100M0K TJX-3NU0HF200M0K	TJX-3NU0HF300M0K	
		39110-3N396	TJX-4NU0HF000M0K TJX-4NU0HF100M0K TJX-4NU0HF200M0K TJX-4NU0HF300M0K	TJX-4NU0HF400M0K	

**Service Procedure**

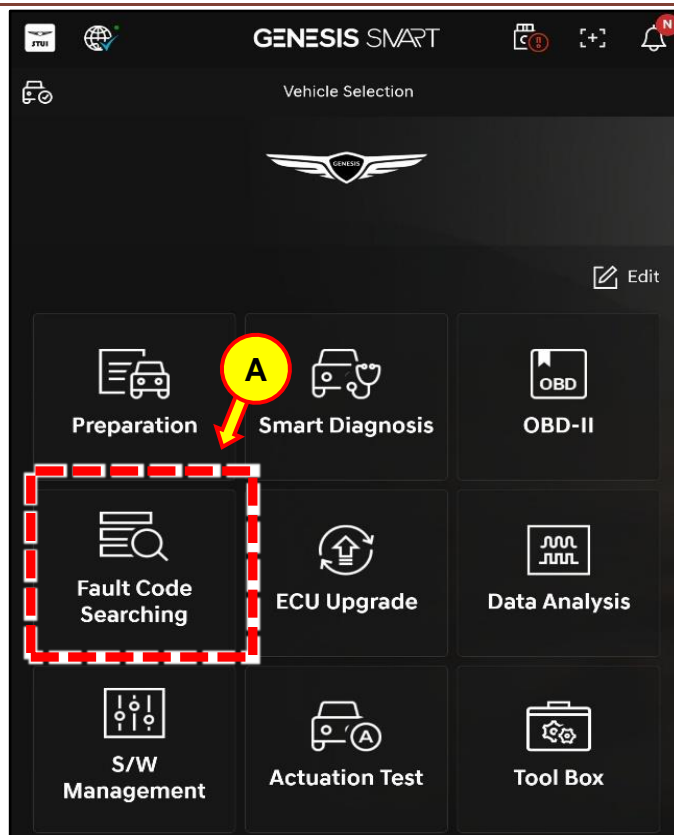
**STUI**



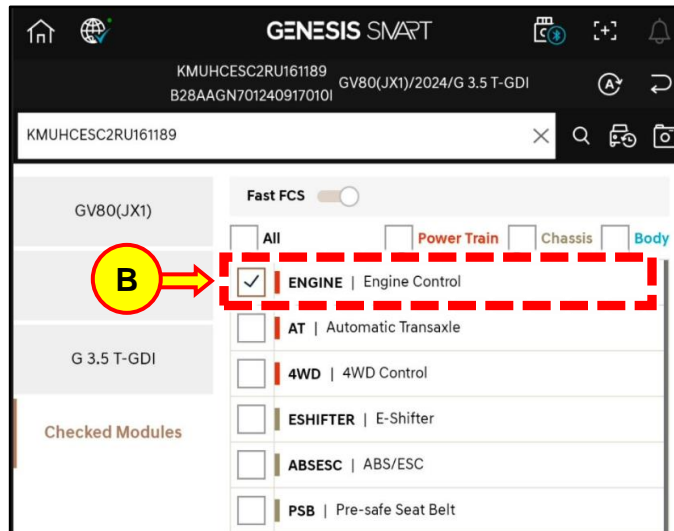
This TSB includes Repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

**DTC and Engine Oil Level Check**

1. Connect the GDS.
2. Turn **ON** the IGN switch.
3. Select **Fault Code Searching (A)** on the Genesis Smart home screen.

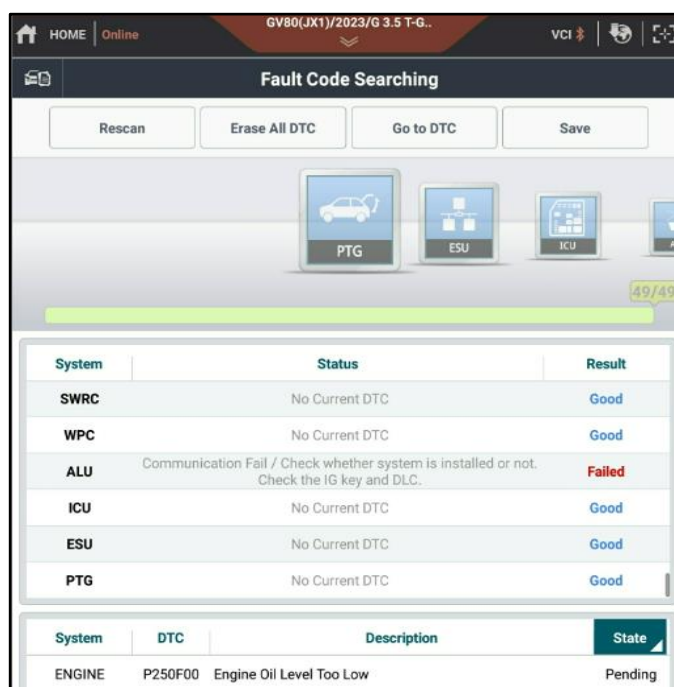


4. Select **ENGINE (B)** and press **OK**.



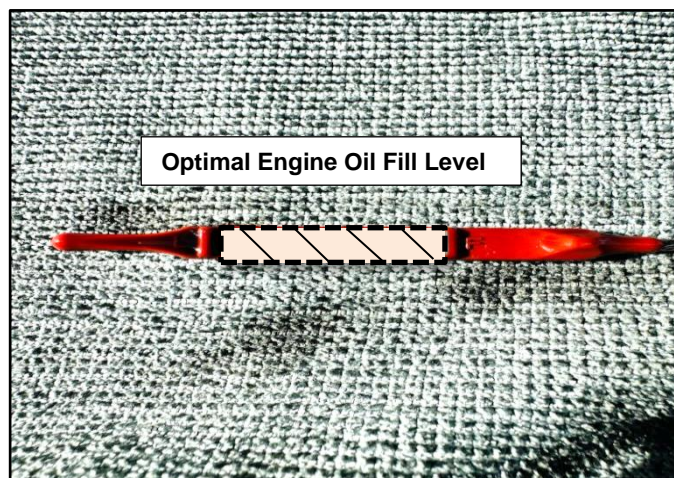
5. If **DTC P250F** is found, continue to check the engine oil level in **Step 6** prior to performing the ECU update.

- If any other DTC is found, this TSB does **NOT** apply. Follow the DTC Guide to appropriately diagnose and repair the vehicle.



6. Inspect the engine oil level using the vehicle's engine oil dipstick.

- If the oil level is between the low ('L') and full ('F') line (optimal engine oil fill level), then proceed to the **ECU Update Procedure** to perform the ECU logic update.
- If the oil level is below the low ('L') line, then **DO NOT** proceed with the ECU logic update. Follow normal diagnostic procedures to diagnose the low oil level condition.



## ECU Update Procedure

**NOTICE**

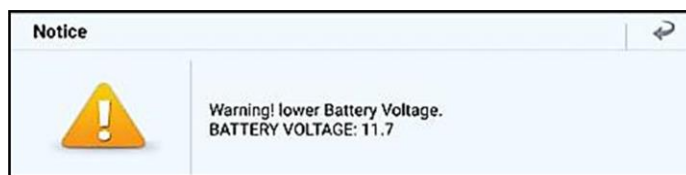
**You must initially perform the GDS ECU update in Auto Mode.**

- 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.

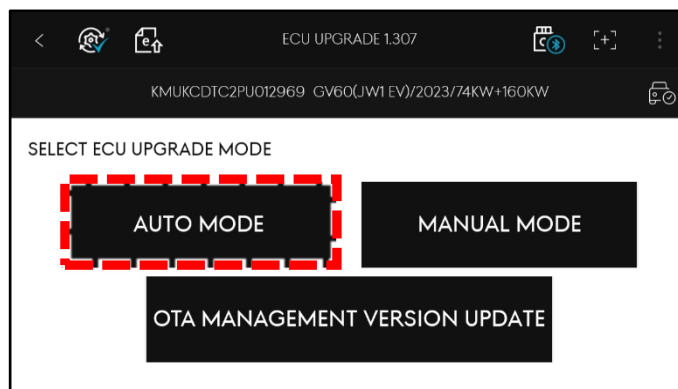


1. Perform the ECU update in **Auto Mode**.

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

**i Information**

Refer to **TSB # 24-GI-016G**, “ECU Update Procedure for Tablet-Based Genesis Smart”, for additional information.



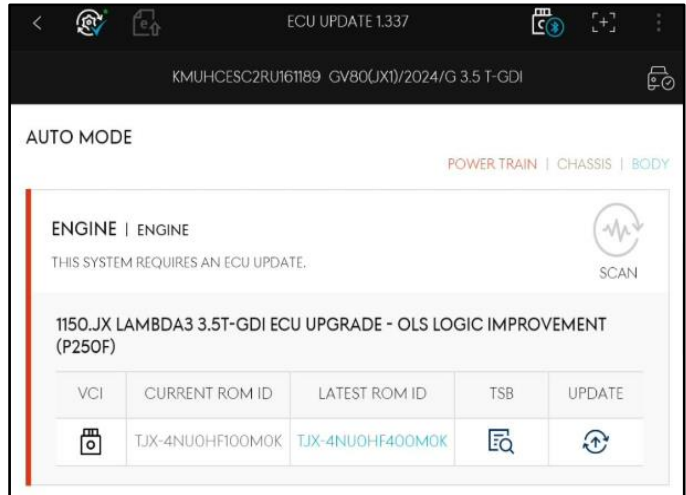
- Select the **ENGINE** system to scan the vehicle's current ROM ID.

**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, please remove the power connector or the battery (-) connector from the indoor fuse box for at least 5 seconds and reassemble it to retry the update.

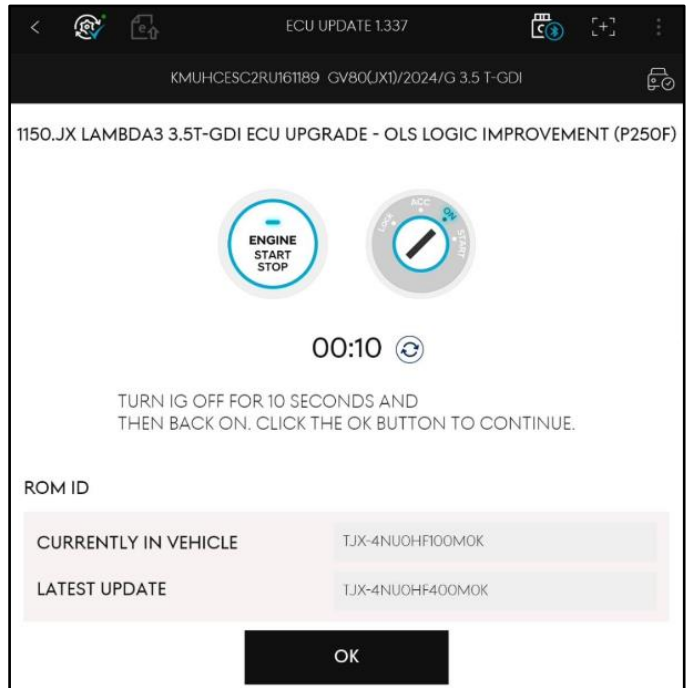


- After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to **30 seconds**).



**Information**

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

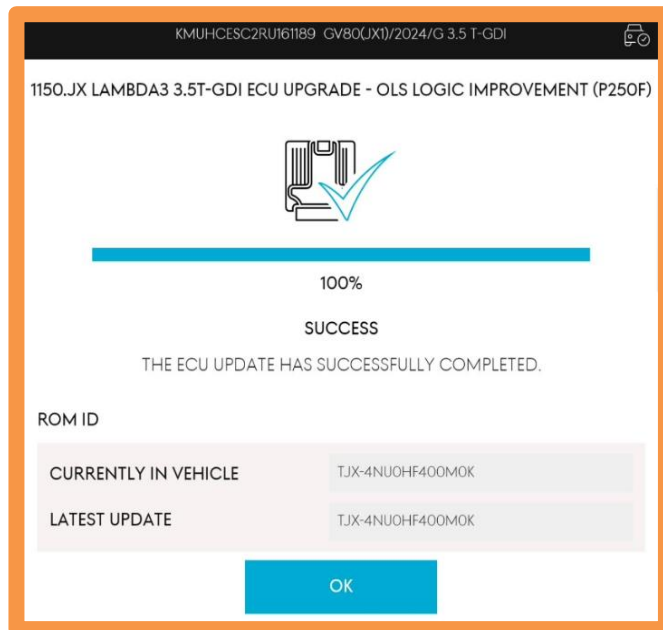


4.

**STUI**



Take a screenshot of the ECU update complete 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. Start the engine to confirm proper operation of the vehicle.

**NOTICE**

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

**Manual Mode Password: Event # 1150**

ECM Menu	Password
JX 3.5T-GDI ECU 39110-3N395	4396
JX 3.5T-GDI ECU 39110-3N396	4397