



HYUNDAI Technical Service Bulletin

GROUP ENGINE	NUMBER 24-EM-008H
DATE OCTOBER 2024	MODEL(S) VENUE (QX)

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

Description: Certain 2023-2024MY Venue (QX) vehicles equipped with the 1.6L MPI Gamma II 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:

- 2023-2024 MY Venue (QX) equipped with the 1.6 MPI Gamma II Engine

GDS Information

System Selection: **Engine**

System	Event #	Description
ECU	1161	1161.QX ECU UPDATE DUE TO OIL LEVEL SENSOR MALFUNCTION (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
Venue (QX)	39100F46	ECU Update	0.4 M/H	See Note 4	W17	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 # 1161

Model	MY/TM	System	ECU Part Number	ROM ID	
				Old	New
Venue (QX)	23MY M/T	ECU	39100-2M675	MQX-3NU16E000600 MQX-3NU16E100600	MQX-3NU16EF00600
			39100-2M674	MQX-3NU16F000600 MQX-3NU16F100600	MQX-3NU16FF00600
	39100-2M677		MQX-3NU16P000T00 MQX-3NU16P100T00	MQX-3NU16PF00T00	
	39100-2M676		MQX-3NU16Q000T00 MQX-3NU16Q100T00	MQX-3NU16QF00T00	
	39100-2M679		MQX-3NU26P000T00 MQX-3NU26P100T00	MQX-3NU26PF00T00	
	39100-2M678		MQX-3NU26Q000T00 MQX-3NU26Q100T00	MQX-3NU26QF00T00	
	24MY M/T		39100-2M928	MQX-4NU16F000600 MQX-4NU16F100600	MQX-4NU16F200600
	24MY CVT		39100-2M930	MQX-4NU16Q000T00 MQX-4NU16Q100T00	MQX-4NU16Q200T00
			39100-2M932	MQX-4NU26Q000T00 MQX-4NU26Q100T00	MQX-4NU26Q200T00

Service Procedure:

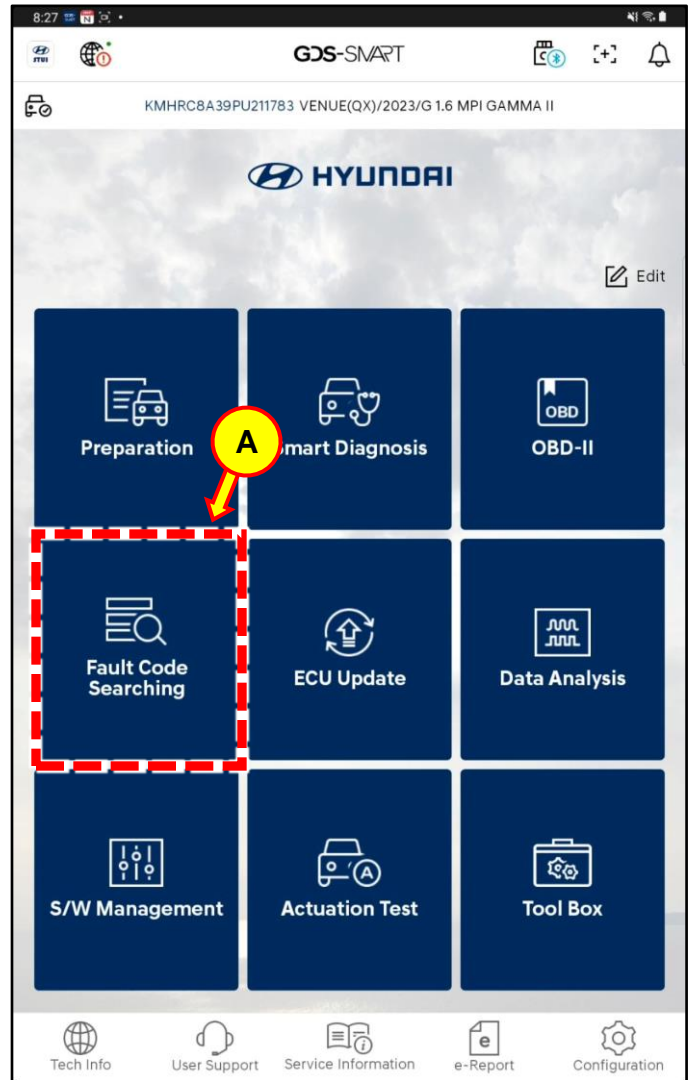
STUI



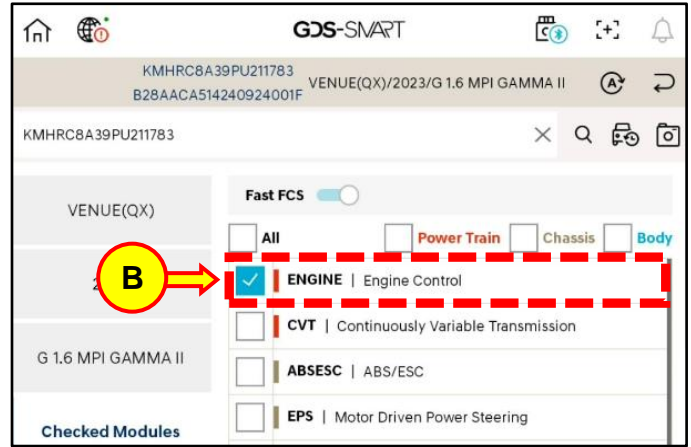
This TSB includes Repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

DTC and Engine Oil Level Check

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

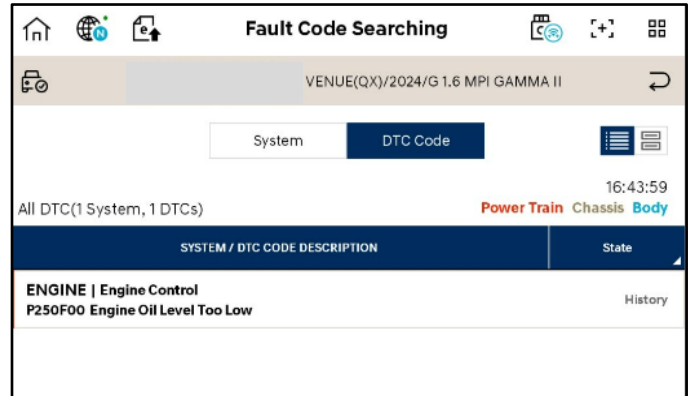


4. Select **ENGINE (B)** and press **OK**.



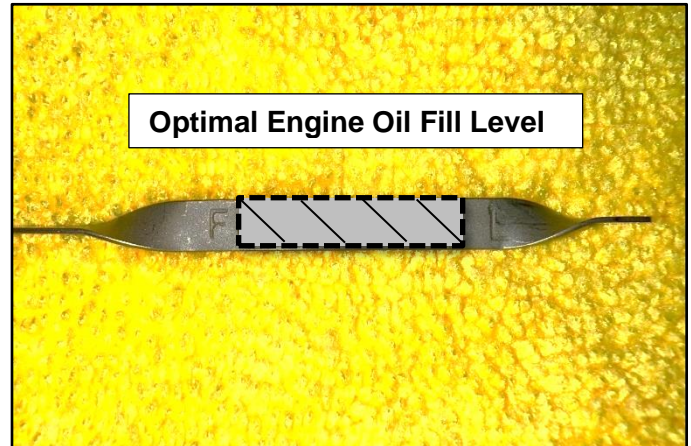
5. If **DTC P250F** is found, continue to check the engine oil level in **Step 6** prior to performing the ECU update.

- 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

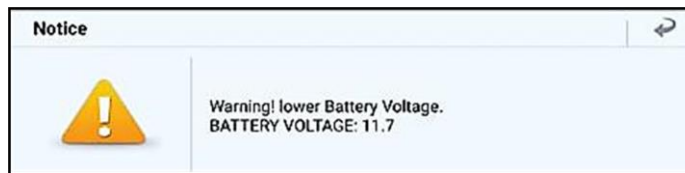
You must initially perform the GDS ECU update in Auto Mode.

- 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.



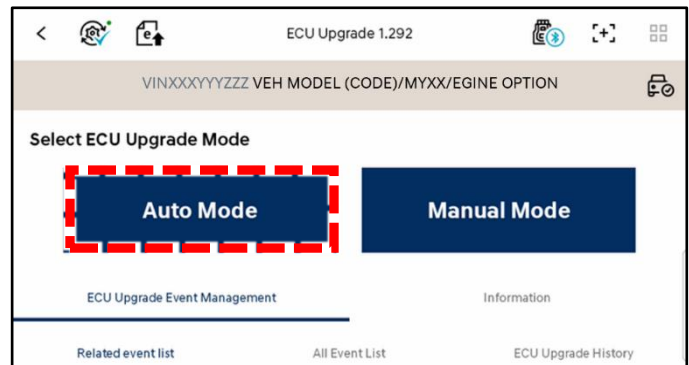
1. Perform the ECU update in **Auto Mode**.

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



Information

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



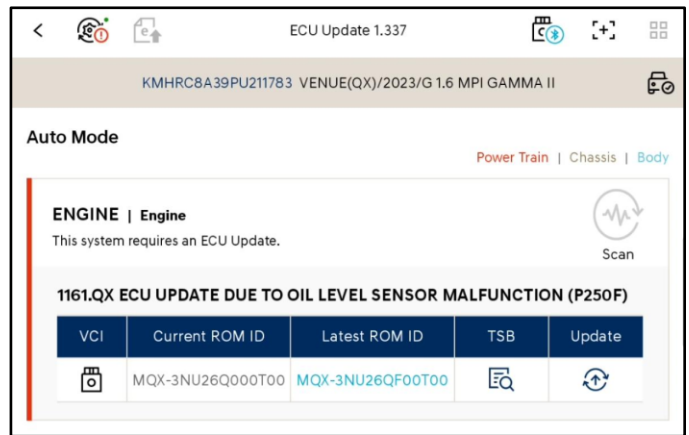
2. Select the **ENGINE** system to scan the vehicle's current ROM ID.

NOTICE

Check the current ROM ID version and compare it to the ROM ID Information table before attempting to perform the software update.

NOTICE

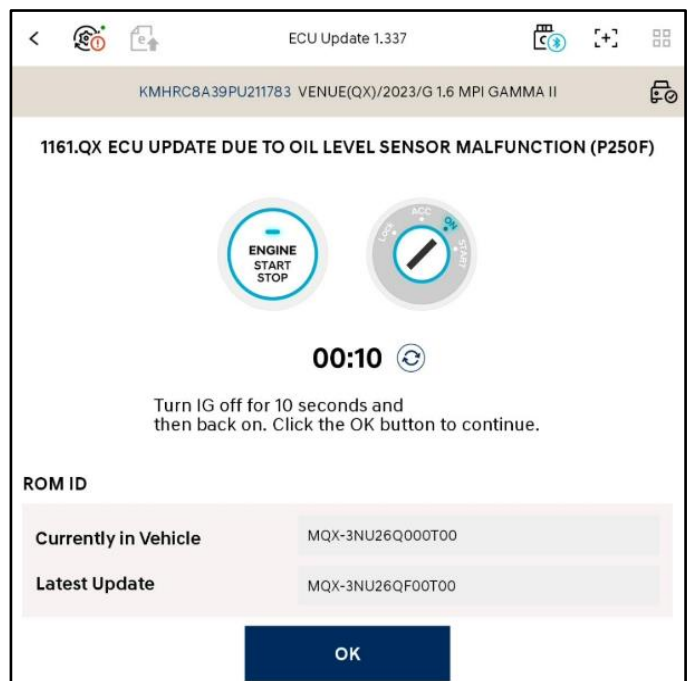
If the update fails, please remove the power connector or the battery (–) connector from the indoor fuse box for at least 5 seconds and reassemble it to retry the update.



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.

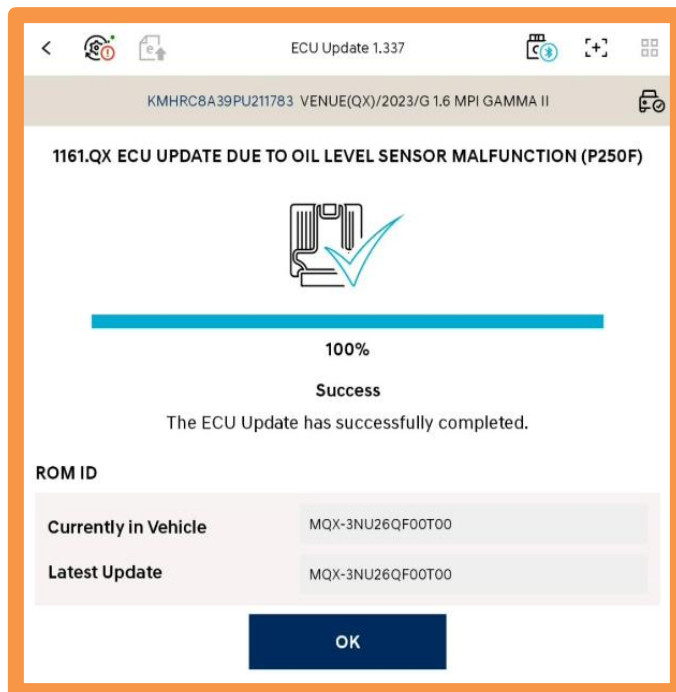


4.

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 # 1161

ECM Menu	Password
QX 1.6MPI ECU 39100-2M675	2675
QX 1.6MPI ECU 39100-2M674	2674
QX 1.6MPI ECU 39100-2M677	2677
QX 1.6MPI ECU 39100-2M676	2676
QX 1.6MPI ECU 39100-2M679	2679
QX 1.6MPI ECU 39100-2M678	2678
QX 1.6MPI ECU 39100-2M928	2928
QX 1.6MPI ECU 39100-2M930	2930
QX 1.6MPI ECU 39100-2M932	2932