



Technical Service Bulletin

GROUP ENGINE	NUMBER 23-EM-004H
DATE SEPTEMBER 2023	MODEL(S) KONA (OS) ELANTRA (CN7)

SUBJECT: ECU UPDATE – DTC P250C OIL LEVEL SENSOR WARNING LIGHT LOGIC

Description: Certain 2023MY Kona (OS) and Elantra (CN7) vehicles equipped with the 2.0L Nu Atkinson engine may experience a warning lamp illumination for a diagnostic trouble code P250C that is related to the oil level sensor circuit. Follow the service procedure outlined in this bulletin to reprogram the powertrain control module to update the oil level sensor warning light logic.

- DTC P250C - “Engine Oil Level Sensor Circuit Low”

Applicable Vehicles:

- 2023MY Kona (OS) vehicles equipped with the 2.0L Nu Atkinson engine
- 2023MY Elantra (CN7) vehicles equipped with the 2.0L Nu Atkinson engine

GDS Information:

Model	Event #*	Description
Elantra (CN7 / CN7A)	1009	OIL LEVEL SENSOR WARNING LIGHT LOGIC IMPROVEMENT (P250C)
Kona (OS)	1010	

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

Warranty Information:

Model	Op. Code	Operation	Op. Time	Casual Part	Nature Code	Cause Code
Elantra (CN7) Kona (OS)	39171F14	ECU UPGRADE	0.4 M/H	**See Note 4	I11	ZZ3

NOTE 1: Normal warranty applies.

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

NOTE 3: This TSB includes Repair validation photos. Op times include VIN, Mileage, and repair validation photos as outlined in the Digital Documentation Policy.

NOTE 4: Please refer to the Web Parts Catalog for the applicable ECU part number.

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.

Service Procedure:

STUI



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

NOTICE

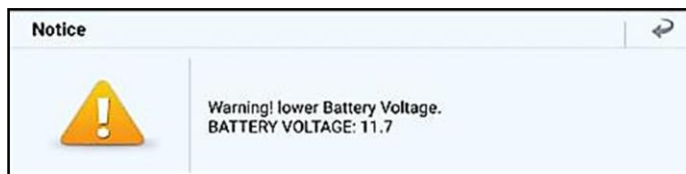
You must initially perform the GDS ECU Update in Auto Mode.

- 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 as per the below GDS warning, then select **Back** and run the vehicle for at least 20 minutes to ensure an adequate battery state of charge for reliable update results. Turn ignition back on, and then retry the ECU update again.

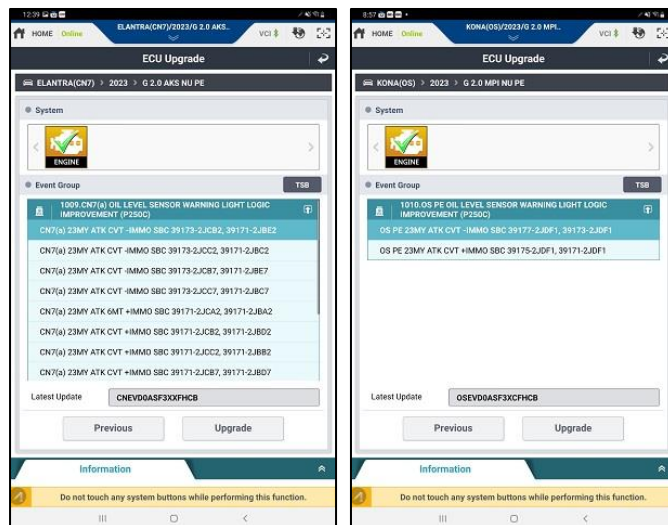


1. Perform the ECU Update in Auto Mode.

Use the Auto Mode ID Check to verify the ECU ROM ID before updating the software.

i Information

Refer to TSB 15-GI-001 for additional tablet-based Mobile GDS ECU update information.

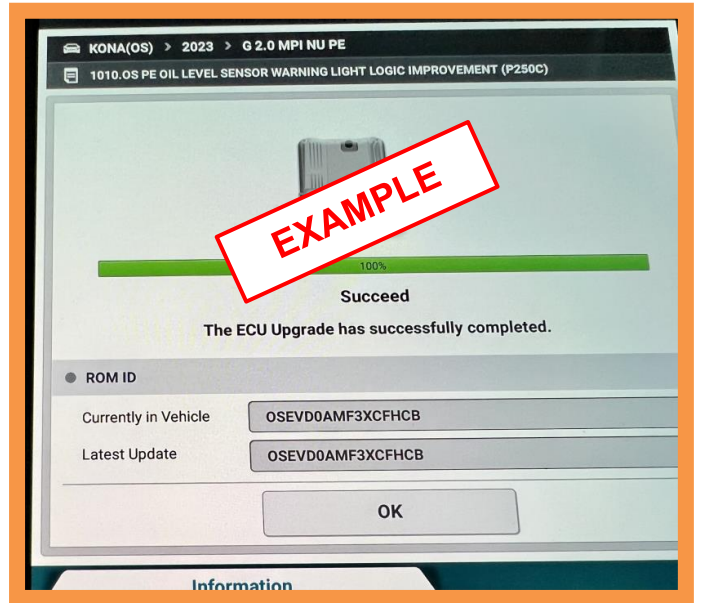


2.

STUI



Take a screenshot of the ECU Update Complete screen using your particular tablet's screenshot save method and upload to STUI.



3. After the ECU Upgrade process shows 100% complete, cycle the ignition key to OFF for at least 10 seconds to reset the control unit.
4. Perform an All Systems Fault Code search and erase the history of the DTC that had incidentally occurred from the ECU update.
5. Start the vehicle to confirm proper operation of the vehicle.

ROM ID Information Table: Event #1009

Model	MY/TM	ECU Part Number	ROM ID	
			OLD	NEW
Elantra 2.0L (CN7)	23MY w/CVT	39171-2JCC2	CNEWD0AMF3XXSHCA	CNEWD0AMF3XXFHCB
		39171-2JCB7 39171-2JBD7	CNEVD0AMFCXXSHCA	CNEVD0AMFCXXFHCB
		39171-2JCC7 39171-2JBB7	CNEWD0AMFCXXSHCA	CNEWD0AMFCXXFHCB
		39171-2JCD2 39171-2JBG2	CNEVD0ANF3XXSHCA	CNEVD0ANF3XXFHCB
		39171-2JCE2 39171-2JBF2	CNEWD0ANF3XXSHCA	CNEWD0ANF3XXFHCB

ROM ID Information Table: Event #1010

Model	MY/TM	ECU Part Number	ROM ID	
			OLD	NEW
Kona 2.0L (OS)	23MY w/CVT	39175-2JDF1 39171-2JDF1	OSEVD0AMF3XC SHCA	OSEVD0AMF3XCFHCB

Manual Mode Password: Event #1009 (CN7)

ECM Menu	Password
CN7(a) 23MY ATK CVT +IMMO SBC 39171-2JCC2	0937
CN7(a) 23MY ATK CVT +IMMO SBC 39171-2JCB7, 39171-2JBD7	0938
CN7(a) 23MY ATK CVT +IMMO SBC 39171-2JCC7, 39171-2JBB7	0939
CN7(a) 23MY ATK CVT +IMMO SBC 39171-2JCD2, 39171-2JBG2	0940
CN7(a) 23MY ATK CVT +IMMO SBC 39171-2JCE2, 39171-2JBF2	0941

Manual Mode Password: Event #1010 (OS)

ECM Menu	Password
OS PE 23MY ATK CVT +IMMO SBC 39175-2JDF1, 39171-2JDF1	2032