



HYUNDAI
Technical Service Bulletin

GROUP BRAKES	NUMBER 21-BR-004H
DATE APRIL 2021	MODEL(S) IONIQ HEV (AE HEV) and PHEV (AE PHEV)

SUBJECT: EPB ECU UPDATE FOR DTC C2416 OR C2417

Description: This bulletin describes the procedure to update the EPB (Electronic Parking Brake) ECU to revise the logic of setting DTC C2416, “Motor Short or Open – LH (EPB)” or C2417 “Motor Short or Open – RH (EPB)” from vibrations while driving on certain roads.

Applicable Vehicles:

- Certain 2019 and 2020MY IONIQ HEV (AE HEV) and PHEV (AE PHEV) vehicles equipped with an **EPB**, produced from October 17, 2018 to January 24, 2020.

GDS Information:

System Selection: EPB	
Event #	Description
666	AE HEV PE - EPB DTC IMPROVEMENT(C2416,C2417)
667	AE PHEV PE - EPB DTC IMPROVEMENT(C2416,C2417)

Warranty Information:

MODEL	OP CODE	OPERATION	OP TIME	CAUSAL PART	NATURE CODE	CAUSE CODE
IONIQ HEV (AE HEV)/ PHEV (AE PHEV)	59790F02	EPB UPGRADE	0.3 M/H	59790-G2000	I3T	ZZ3

Note: Normal warranty applies.

NOTICE

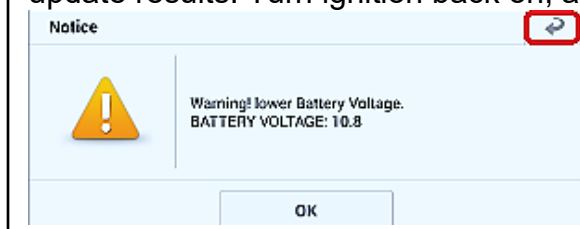
You must initially perform the GDS ECU Update in Auto Mode.

- If the ECU Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

WARNING

GDS Vehicle Battery 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.



Service Procedure:

1. Perform GDS software update:
 - Refer to TSB **15-GI-001** for the detailed tablet-based Mobile GDS ECU update procedures.
 - Refer to TSB **15-GI-002** for the detailed PC-based GDS ECU update procedures.
2. Check for Diagnostic Trouble Codes in the **ALL** menus and erase any DTC.
3. Confirm normal vehicle operation.

ROM ID Table:

MODEL	SYSTEM	PART NUMBER	ROM ID	
			OLD	NEW
AE HEV	EPB	59790-G2000	G2 MOC 1.1 3B2	G2 MOC 1.2 3B2
AE PHEV			AB1D14-A-8B26	AB1E14-A-9B05

Manual Mode Password:

MENU	PASSWORD
AE HEV PE EPB 59790-G2000/500	9000
AE PHEV PE EPB 59790-G2000/500	9000