HYUNDAI
Technical Service Bulletin

GROUP	NUMBER
FUEL SYSTEM	**20-FL-012H**
DATE	MODEL(S)
December 2020	**Ioniq (AE) HEV/PHEV**

SUBJECT: ECM UPDATE FOR IONIQ HEV/PHEV DTC P0128

Description:
This bulletin provides information related to the Engine Control Module (ECM) software logic update for DTC P0128 "Coolant thermostat - Coolant temp Below thermostat regulating Temperature".
There is no drivability issue with this DTC.

Applicable Vehicle:
- 2017-2019 Ioniq (AE) HEV/PHEV

GDS Information:

System Selection: **Engine (ECM)**	
Event #	Description
611*	AE HEV/PHEV - P0128 DTC IMPROVEMENT

***or any later updated event that comes up.

Warranty Information:

Model	Op Code	Operation	Op Time	Causal Part	Nature Code	Causal Code
Ioniq (AE) HEV/PHEV	39101F50	ECM UPGRADE	0.3 M/H	17MY HEV: 39110-03HM0 18MY HEV: 39110-03HM2 18MY PHEV: 39110-03HS0 19MY HEV: 39110-03HM4 19MY PHEV: 39110-03HS1	I3T	ZZ3

NOTE: Normal warranty applies.

Circulate To: Service Manager, Warranty Manager, Service Advisors, Technicians, Fleet Repair
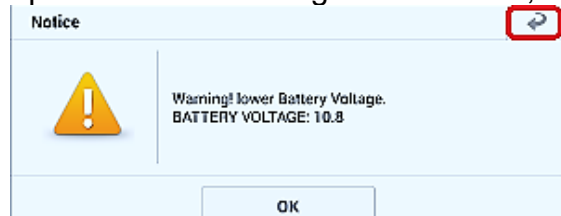

NOTICE

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:

VEHICLE	ENGINE	MY	HEV/PHEV	ECU P/No.	ROM ID	
					OLD	NEW
Ioniq (AE) HEV/ PHEV	1.6GDI	17MY	HEV	3910103HM0	AE6NSGHF10S0	AE6NSGHF10F0
		18MY	HEV	39101-03HM2	AE8NSGHF10S0 AE8NSGHF10S1 AE8NSGHF10S2	AE8NSGHF10F2
			PHEV	39101-03HS0	AE8NSGHF1PS0 AE8NSGHF1PS1 AE8NSGHF1PS2	AE8NSGHF1PF2
		19MY	HEV	39101-03HM4	AED9S6HE0SF0 AED9S6HE0SF1 AED9S6HE0SF2 AED9S6HE0SF3	AED9S6HE0SF4
			PHEV	39101-03HS1	AED9S6PE0SF0 AED9S6PE0SF1 AED9S6PE0SF2 AED9S6PE0SF3	AED9S6PE0SF4

Manual Mode Password:

MENU	PASSWORD
AE 1.6GDI HEV/PHEV DCT +IMMO 39101-03HM0	1030
AE 1.6GDI HEV/PHEV DCT +IMMO 39101-03HM2	1032
AE 1.6GDI HEV/PHEV DCT +IMMO 39101-03HS0	1033
AE 1.6GDI HEV/PHEV DCT +IMMO 39101-03HM4	1034
AE 1.6GDI HEV/PHEV DCT +IMMO 39101-03HS1	1031

NOTE: -IMMO=Key start, +IMMO=SSB