

 HYUNDAI Technical Service Bulletin	GROUP FUEL SYSTEM	NUMBER 20-FL-005H
	DATE June, 2020	MODEL(S) SONATA HYBRID (LF HEV) SONATA PLUG-IN HYBRID (LF PHEV)
SUBJECT:	ECM SOFTWARE UPDATE – DTC P050A	

Description:

This bulletin provides information related to an Electronic Control Module (ECM) software update to revise the logic for DTC P050A: Cold Start Idle Air Control System Performance.

Applicable Vehicle: Certain 2019MY Sonata Hybrid (LF HEV) and Sonata Plug-In Hybrid (LF PHEV)

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature	Cause
Sonata Hybrid (LF HEV) Sonata Plug-In Hybrid (LF PHEV)	39161F06	ECM UPGRADE	0.3 M/H	39150-2G600	I3T	ZZ3

GDS Information:

System Selection: **ENGINE CONTROL MODULE (ECM)**

Event #	Description
599*	LF HEV NU 2.0 GDI - P050A DTC IMPROVEMENT
600*	LF PHEV NU 2.0 GDI - P050A DTC IMPROVEMENT

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

Service Procedure:

1. Perform GDS Mobile software update per TSB **15-GI-001**.
2. After successful completion of **ECM software update**, check for Diagnostic Trouble Codes in **ALL** menus and erase any DTC.
3. Erase the DTC in the BlueLink system per TSB 12-BE-005-2.
4. Confirm normal vehicle operation.

NOTICE

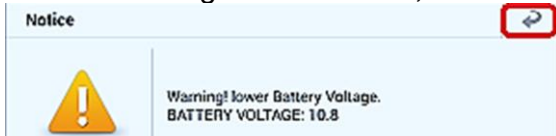
You must initially perform GDS ECM Update in Auto Mode.

If the ECM 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 engine 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.



ECM ROM ID Information Table:

MODEL	TM	ENGINE	IMMO.	PCM P/No.	ROM ID	
					OLD	NEW
LF HEV	AT	NU 2.0L	+IMMO	39161-2ELF1	LF9SPHMS6F2A	LF9SPHMS6F4B
				39161-2ELF2	LF9SPHMS6F2B LF9SPHMS6F4A	

MODEL	TM	ENGINE	IMMO.	PCM P/No.	ROM ID	
					OLD	NEW
LF PHEV	AT	NU 2.0L	+IMMO	39161-2ELH1	LF9SPPMS6F2A	LF9SPPMS6F4B
				39161-2ELH2	LF9SPPMS6F4A	

NOTE: +IMMO = Start Stop Button,

Manual Mode Password Information Tables:

EVENT #	MENU	PASSWORD
#599	LF PE NU 2.0 HEV AT +IMMO 39161-2ELF1/2	6121
#600	LF PE NU 2.0 PHEV AT +IMMO 39161-2ELH1/2	6121