SUBJECT:	BATTERY SENSOR DATA AND MISFIRE ECM UPDATE - (SERVICE CAMPAIGN T4F)

*** Dealer Stock and Retail Vehicles ***

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Description:

This bulletin provides information related to an ECM (Engine Control Module) software update to revise battery sensor data for optimized %SOC(State of Charge) value.
The ECM Update also includes an update for misfire due to learning cylinder imbalance.

Applicable Vehicle: 2020MY Veloster (JS) with 2.0L GDI engine

GDS Information:

System Selection: **ECM**	
Event #	Description
559*	JS 2.0MPI - BATTERY SENSOR DATA UPDATE

(* Use the latest event that appears in the GDS ECU Auto Mode event list for the particular vehicle)

Warranty Information:

Model	Op Code	Operation	Op Time	Causal Part	Nature Code	Causal Code
Veloster (JS)	90C065R0	ECM UPGRADE	0.3 M/H	39173-2EJW1	I3T	ZZ3

NOTE 1: Submit claim on Campaign Claim Entry Screen.
NOTE 2: If a part is found in need of replacement while performing this Service Campaign and the affected part is still under warranty, submit a separate claim using the same Repair Order Number and the same Causal Part Number as the Campaign Claim. If the affected part is out of warranty, submit a Prior Approval Request for goodwill consideration prior to performing the work.

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 operate the vehicle in Ready mode 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.

2. Check for Diagnostic Trouble Codes in the **ALL** menus and erase any DTC.

3. Erase the DTC in the BlueLink system according to TSB 12-BE-005-2.

4. Confirm normal vehicle operation.

ROM ID Information Table:

VEHICLE	ENGINE	MY	TM	EM	IMMO	ECU P/No.	ROM ID OLD	ROM ID NEW
JS	2.0ATK	20MY	6AT	ULEV	IMMO	39171-2EJW1	JSAUP2AS697A	JSAUP2AS698A
			6AT	ULEV	NON IMMO	39173-2EJW1	JSAUP2US697A	JSAUP2US698A
			6MT	ULEV	IMMO	39175-2EJW1	JSAUP2CS697A	JSAUP2CS698A
			6MT	ULEV	NON IMMO	39177-2EJW1	JSAUP2VS697A	JSAUP2VS698A

Note: Immobilizer (IMMO): IMMO (+IMMO) is SSB, NON IMMO (-IMMO) is Key start.

Manual Mode Password:

MENU	PASSWORD
JS 2.0MPI AT -IMMO 39173-2EJW1	7321
JS 2.0MPI AT +IMMO 39171-2EJW1	7121
JS 2.0MPI MT -IMMO 39177-2EJW1	7721
JS 2.0MPI MT +IMMO 39175-2EJW1	7521