| **SUBJECT:** | ENGINE MANAGEMENT SOFTWARE UPDATE<br>(RECALL CAMPAIGN 182) |

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★ **IMPORTANT**

**\*\*\* Retail Vehicles \*\*\***

Dealers must perform this Campaign on all affected vehicles 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.

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**Description:** This bulletin describes the procedure to update the engine ECM (Engine Control Module) on certain 2013MY Veloster vehicles equipped with 1.6L Turbo engines. The engine management software may cause premature ignition (pre-ignition) of the air/fuel mixture in the engine. Pre-ignition in an engine cylinder could cause excessive cylinder pressure eventually leading to engine damage. Engine damage can increase the risk of a fire or cause an engine stall.

**Applicable Vehicles:**
Certain 2013 MY Veloster (FS) vehicles with 1.6L Turbo engines

**GDS Information:**

**System Selection: ENGINE**

| EVENT # | DESCRIPTION |
|---------|-------------|
| 541 | GDI PRE-IGNITION CONTROL LOGIC IMPROVEMENT |

**ROM ID Information Table:**

| VEHICLE | ENGINE | TM | ECU P/No. | ROM ID | |
|---------|--------|----|-----------|--------|---|
| | | | | **OLD** | **NEW** |
| 13MY Veloster (FS) | 1.6T-GDI | AT | 39118-2BBK5 | GTFS-CNU6PS00C00<br>GTFS-CNU6PS01C00<br>GTFS-CNU6PS02C00<br>GTFS-CNU6PS03C00<br>GTFS-FNU6PF02C00 | GTFS-FNU6PF03C00 |
| | | | 39118-2BBJ5 | GTFS-CNU6QS00C00<br>GTFS-CNU6QS01C00<br>GTFS-CNU6QS02C00<br>GTFS-CNU6QS03C00<br>GTFS-FNU6QF02C00 | GTFS-FNU6QF03C00 |
| | | MT | 39118-2BBK0 | GTFS-CNU6ES00600<br>GTFS-CNU6ES01600<br>GTFS-CNU6ES02600<br>GTFS-CNU6ES03600<br>GTFS-FNU6EF03600 | GTFS-FNU6EF04600 |
| | | | 39118-2BBJ0 | GTFS-CNU6FS00600<br>GTFS-CNU6FS01600<br>GTFS-CNU6FS02600<br>GTFS-CNU6FS03600<br>GTFS-FNU6FF03600 | GTFS-FNU6FF04600 |

**Warranty Information:**

| MODEL | OP CODE | OPERATION | OP TIME | CAUSAL PART NO. | NATURE CODE | CAUSE CODE |
|-------|---------|-----------|---------|-----------------|-------------|------------|
| 13MY Veloster (FS) | 91C018R0 | ECM UPDATE | 0.3 M/H | 39118-2BBJ5 | 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 campaign and the affected part is still under warranty, submit a separate claim using the same Repair Order. If the affected part(s) are out of warranty, submit a Prior Approval (PA) request for goodwill consideration prior to completing the Campaign.

**Service Procedure:**

> ## NOTICE
>
> - **Perform the software update in Auto Mode first. Perform the update in Manual Mode only if necessary.**
> - **Check the ROM ID of the vehicle's ECM and cluster and reference the ROM ID Information Table before attempting any updates.**
> - **Ensure the GDS Mobile and the vehicle's battery are fully charged. Run the engine to charge the battery if necessary before attempting any updates.**
> - **Turn off all lamps and do not leave the head lamp switch in auto mode. Turn off all accessories (including heater, A/C, blower, radio, seat warmer, defroster, etc.). Do not allow the battery to be discharged during update.**
> - **Perform update with the ignition switch in the ON position.**
> - **Be careful not to disconnect any cables connected to the vehicle or scan tool during update.**
> - **Do not start the engine during update.**
> - **Do not turn off the ignition switch during update unless specifically directed by the GDS Mobile.**

1. Perform GDS software update:
   - Refer to TSB **15-GI-001** for the tablet-based Mobile GDS ECU update procedures.
   - Refer to TSB **15-GI-002** for the PC-based GDS ECU update procedures.

2. After successful completion of the 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. Ensure no warning lights are present to complete the procedure.

**Manual Mode Update Passwords:**

| Model | Description | Password |
|-------|-------------|----------|
| 13MY Veloster (FS) | FS 1.6T-GDI AT -IMMO 39118-2BBK5 | 5281 |
| | FS 1.6T-GDI MT -IMMO 39118-2BBK0 | 0281 |
| | FS 1.6T-GDI AT +IMMO 39118-2BBJ5 | 6281 |
| | FS 1.6T-GDI MT +IMMO 39118-2BBJ0 | 1281 |