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|  HYUNDAI Technical Service Bulletin | GROUP CAMPAIGN | NUMBER 19-01-016H |
| | DATE APRIL, 2019 | MODEL(S) ELANTRA GT (PD) VELOSTER (JS) |
| SUBJECT: | DTC P0128 ECM SOFTWARE UPDATE - (SERVICE CAMPAIGN T3T) | |

*** IMPORTANT**

*******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 for DTC P0128: Coolant Thermostat (Coolant Temp below Thermostat Regulating Temperature) logic revision.

There are no drivability symptoms associated with DTC P0128.

Applicable Vehicle: Certain 2018 Elantra GT (PD) and 2019 Veloster (JS) equipped with 1.6L Turbo engine.

Warranty Information:

| Model | Op. Code | Operation | Op. Time | Causal Part | Nature | Cause |
|----------------------------------|----------|-------------|----------|-------------|--------|-------|
| Elantra GT (PD) Veloster (JS) | 90C013R1 | ECM UPGRADE | 0.3 M/H | 39109-2B540 | I3T | ZZ3 |

NOTE 1: Submit Claim on Campaign Claim Entry Screen.

NOTE 2: If a part is found in need of replacement while performing Service Campaign T3T and the affected part is still under warranty, submit a separate warranty claim using the same Repair Order. If the affected part is out of warranty, submit a Prior Approval Request for goodwill consideration prior to performing the work.

GDS Information:

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

| Event # | Description |
|-------------|---------------------------------------|
| 532* | PD 1.6T - GDI - P0128 DTC IMPROVEMENT |
| 533* | JS 1.6T - GDI - P0128 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 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 **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

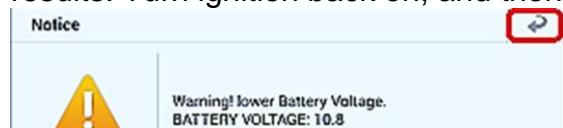
You must initially perform GDS ECM Update in Auto Mode.

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 | IMMO. | PCM P/No. | ROM ID | |
|--|-----|-------|-------------|--|------------------|
| | | | | OLD | NEW |
| Elantra GT (PD) 1.6T GDI ULEV | MT | IMMO | 39128-2BPF0 | GTPD-HNU6FS0060A GTPD-HNU6FS0160A GTPD-HNU6FS0260A GTPD-HNU6FS0360A | GTPD-HNU6FS0460A |
| | DCT | IMMO | 39128-2BPG0 | GTPD-HNU6FS00H0A GTPD-HNU6FS01H0A GTPD-HNU6FS02H0A GTPD-HNU6FS03H0A | GTPD-HNU6FS04H0A |
| Veloster (JS) 1.6T GDI ULEV | MT | IMMO | 39128-2BJF0 | TJS-JNU06F00060A TJS-JNU06F10060A | TJS-JNU06F20060A |
| | DCT | IMMO | 39128-2BJF5 | TJS-JNU06F000H0A TJS-JNU06F100H0A | TJS-JNU06F200H0A |

NOTE: IMMO = Start Stop Button, MT = Manual Transmission, DCT = Dual Clutch Transmission

Manual Mode Password Information Tables:

| EVENT # | MENU | PASSWORD |
|----------------|-----------------------------------|-----------------|
| #532 | PD 1.6T-GDI MT +IMMO 39128-2BPF0 | 2820 |
| | PD 1.6T-GDI DCT +IMMO 39128-2BPG0 | 2821 |

| EVENT # | MENU | PASSWORD |
|----------------|-----------------------------------|-----------------|
| #533 | JS 1.6T-GDI MT +IMMO 39128-2BJF0 | 2820 |
| | JS 1.6T-GDI DCT +IMMO 39128-2BJF5 | 2825 |