



# HYUNDAI

## Technical Service Bulletin

|             |                  |
|-------------|------------------|
| GROUP       | NUMBER           |
| FUEL SYSTEM | 19-FL-004H       |
| DATE        | MODEL(S)         |
| JULY 2019   | Tucson (TL) 2.0L |

**SUBJECT:** ECM UPDATE FOR TL 2.0L DTC P0128

### Description:

This bulletin provides information related to the Engine Control Module (ECM) software logic update for the DTC P0128 – “Coolant thermostat - coolant temp below thermostat regulating temperature”.

### Applicable Vehicle:

- 2018 Tucson (TL) with 2.0L GDI engine.

### GDS Information:

| System Selection: <b>Engine (ECM)</b> |                                   |
|---------------------------------------|-----------------------------------|
| Event #                               | Description                       |
| 537                                   | TL 2.0GDI - P0128 DTC IMPROVEMENT |

### Warranty Information:

| Model       | Op Code  | Operation   | Op Time | Causal Part | Nature Code | Causal Code |
|-------------|----------|-------------|---------|-------------|-------------|-------------|
| Tucson (TL) | 39131F05 | BMS UPGRADE | 0.3 M/H | 39131-2ETA8 | I3T         | ZZ3         |

### ROM ID Table:

| VEHICLE        | ENGINE | EMISSIONS | TRANS | IMMO | ECU P/No.   | ROM ID                               |                  |
|----------------|--------|-----------|-------|------|-------------|--------------------------------------|------------------|
|                |        |           |       |      |             | OLD                                  | NEW              |
| TUCSON<br>(TL) | 2.0GDI | ULEV      | 6AT   | YES  | 39131-2ETA8 | GGTL-HNUAQS00C00                     | GGTL-HNUAQF01C00 |
|                |        |           | 6AT   | NO   | 39133-2ETA8 | GGTL-HNUAQS01C00<br>GGTL-HNUAPS00C00 | GGTL-HNUAPF01C00 |
|                |        |           | 6AT   | YES  | 39131-2ETA9 | GGTL-HNUAPS01C00<br>GGTL-HNUAQS00D00 | GGTL-HNUAQF01D00 |
|                |        |           | 6AT   | NO   | 39133-2ETA9 | GGTL-HNUAQS01D00<br>GGTL-HNUAPS00D00 | GGTL-HNUAPF01D00 |
|                |        |           |       |      |             | GGTL-HNUAPS01D00                     |                  |

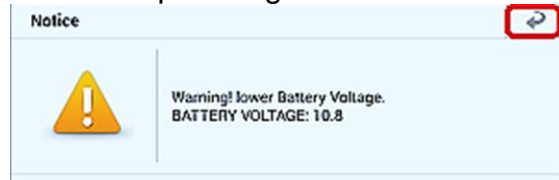
## NOTICE

**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.
  - 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. Erase the DTC in the BlueLink system according to TSB 12-BE-005-2.
4. Confirm normal vehicle operation.

**Manual Mode Password:**

| MENU                        | PASSWORD |
|-----------------------------|----------|
| TL 2.0GDI -IMMO 39133-2ETA8 | 3328     |
| TL 2.0GDI -IMMO 39133-2ETA9 | 3329     |
| TL 2.0GDI +IMMO 39131-2ETA8 | 3128     |
| TL 2.0GDI +IMMO 39131-2ETA9 | 3129     |