

**HYUNDAI**NEW THINKING.  
NEW POSSIBILITIES.**Technical Service Bulletin**

GROUP

**CAMPAIGN**

NUMBER

**15-01-050**

DATE

**DECEMBER 2015**

MODEL(S)

**TUCSON (TL)****SUBJECT:**TL 1.6T ECM & TCM UPDATE FOR  
HESITATION & DTC P0128 LOGIC REVISION  
(SERVICE CAMPAIGN TY8)HYUNDAI  
Global Diagnostic System**ECU Update****★ 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 the procedure to update both the ECM (Engine Control Module) and TCM (Transmission Control Module) on certain 2016MY TUCSON (TL) vehicles with 1.6L Turbo GDI engine and 7-speed DCT. The update will address:

- Slight hesitation from launch and reduced acceleration during low speed driving.
- Malfunction indicator light illuminated with DTC P0128 - Coolant Thermostat - Coolant Temp Below Thermostat Regulating Temperature.

**Applicable Vehicle:** Certain 2016 Tucson (TL) with 1.6L Turbo GDI engines built prior to November 17, 2015.

**GDS Information:**

**IMPORTANT:** Must perform both the ECM and TCM update events as listed below:

System Selection	Event#	Event Description
<b>ENGINE - ECM</b>	<b>386</b>	TL 1.6T HESITATION & P0128 IMPROVEMENT(1 of 2-ECM)
<b>A/T (DCT) - TCM</b>	<b>387</b>	TL 1.6T HESITATION & P0128 IMPROVEMENT(2 of 2-DCT)

**NOTE:**

- 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.

**★ IMPORTANT****(DCT) Dual Clutch Transmission Vehicle - reset operation after ECU update:**

- After the ECU update, there is a prompt to turn OFF the ignition **30** seconds before engine start. This is required to reset the transmission. If not done, the transmission may be inoperative.

## Warranty Information:

Op. Code	Operation	Op Time
50C089R1	ECM & DCT TCM UPDATE	0.5M/H

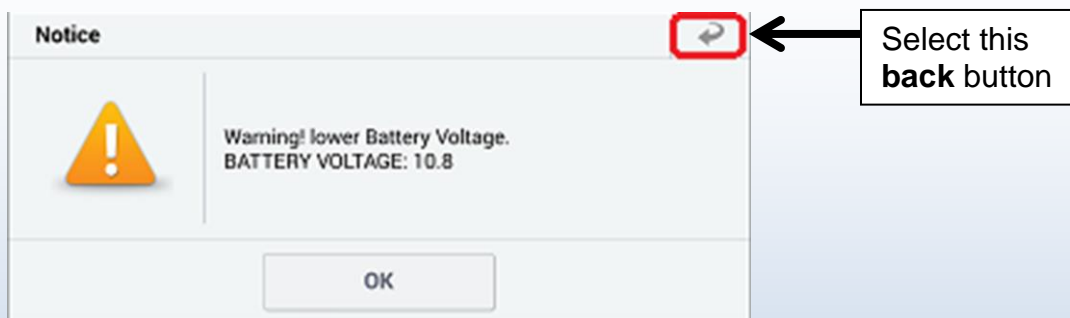
## \* NOTICE

You must initially perform both GDS ECU updates in Auto Mode.

- If either ECU update starts but fails in Auto Mode, perform the update in Manual Mode to recover.
- Refer to the General Instructions found in TSB: 15-GI-001 (GDS Mobile) and 15-GI-002 (PC GDS).

## \* ECU UPDATE VEHICLE BATTERY WARNING:

On some dealer stock vehicles you may experience the following vehicle battery warning during the ECU update if the vehicle battery voltage is below 12 volts:

Follow these Instructions:

- Only select the **back** button as shown in the red box above.  
**Note:** Do NOT select the OK button as it will proceed with ECU update and may result in failure. It would then only be recovered in Manual Mode after the battery is charged up.
- Run the engine for at least 15 minutes to charge up the vehicle battery.
- Turn OFF the engine and leave ignition ON.
- Proceed again to perform the ECU update until completion.

## ECM ROM ID Information Table:

Vehicle Type	IMMO	ECM P/N	ECM ROM ID	
			Previous	New
1.6 SPORT FWD	Yes (SSB)	39175-2BTA0	GTTL-FNU6FS00H00 GTTL-FNU6FS01H00 GTTL-FNU6FS02H00	GTTL-FNU6FS03H00
1.6 ECO FWD	No (Key Start)	39177-2BTA0	GTTL-FNU6ES00H00 GTTL-FNU6ES01H00 GTTL-FNU6ES02H00	GTTL-FNU6ES03H00
1.6 SPORT AWD	Yes (SSB)	39175-2BTA2	GTTL-FNU6FS00J00 GTTL-FNU6FS01J00 GTTL-FNU6FS02J00	GTTL-FNU6FS03J00
1.6 ECO AWD	No (Key Start)	39177-2BTA2	GTTL-FNU6ES00J00 GTTL-FNU6ES01J00 GTTL-FNU6ES02J00	GTTL-FNU6ES03J00

**Note:** SSB=start stop button

## DCT TCM ROM ID Information Table:

Model	Engine	T/M	TCM(7DCT) P/N	ECM ROM ID	
				Previous	New
TUCSON (TL)	1.6T-GDI	7DCT	95440-2D720	DTL0T16NS0 DTL0T16NS1 DTL0T16NS2 DTL0T16NS3	DTL0T16NS4

## ECM Manual Mode Password Information Table:

MENU	Vehicle Type	Password
TL 1.6T-GDI 39177-2BTA0 (Key Start)	1.6 ECO FWD	7720
TL 1.6T-GDI 39177-2BTA2 (Key Start)	1.6 ECO AWD	7722
TL 1.6T-GDI 39175-2BTA0 (SSB)	1.6 SPORT FWD	7520
TL 1.6T-GDI 39175-2BTA2 (SSB)	1.6 SPORT AWD	7522

**Note:** SSB=start stop button

## TCM Manual Mode Password Information Table:

MENU	PASSWORD
TL 1.6T-GDI 7DCT 95441-2D720	2720