	GROUP	NUMBER
HYUNDAI | NEW THINKING. NEW POSSIBILITIES. **Technical Service Bulletin**	**CAMPAIGN**	**15-01-038**
	DATE **OCTOBER 2015**	MODEL(S) **TUCSON (TL)**

SUBJECT:	ECU UPDATE – 1.6T DTC P0128 (SERVICE CAMPAIGN TY3)

GDS ⓗ **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 the ECM (Engine Control Module) diagnostic logic on certain 2016MY TUCSON (TL) with the 1.6L Turbo GDI engine. Some vehicles may experience a malfunction indicator light illuminated with the ECM system related DTC:

• DTC P0128 - Coolant Thermostat - Coolant Temp Below Thermostat Regulating Temperature.

Note: There are no vehicle performance issues associated with this condition.

Applicable Vehicle: Certain 2016 Tucson (TL) with 1.6L Turbo GDI engines

GDS Information:

System Selection: **ENGINE (ECM)**	
Event #	Description
381*	1.6T GDI DTC P0128 – 2016

(*or use a later available event as listed in the GDS ECU Update screen if one is available.)
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 DCT. If not done, the DCT will be inoperative.

Warranty Information:

Op. Code	Operation	Op Time
50C077R1	ECM UPGRADE	0.3

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* NOTICE

You must initially perform 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.
- Refer to the General Instructions found in TSB: 15-GI-001 (GDS Mobile) and 15-GI-002 (PC GDS).

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**
1.6 ECO FWD	No (Key Start)	39177-2BTA0	GTTL-FNU6ES00H00 GTTL-FNU6ES01H00	**GTTL-FNU6ES02H00**
1.6 SPORT AWD	Yes (SSB)	39175-2BTA2	GTTL-FNU6FS00J00 GTTL-FNU6FS01J00	**GTTL-FNU6FS02J00**
1.6 ECO AWD	No (Key Start)	39177-2BTA2	GTTL-FNU6ES00J00 GTTL-FNU6ES01J00	**GTTL-FNU6ES02J00**

Note: SSB=start stop button

Manual Mode Password Information Table:

MENU	Vehicle Type	Password
TL 1.6T-GDI **-**IMMO 39177-2BTA0	1.6 ECO FWD	**7720**
TL 1.6T-GDI **-**IMMO 39177-2BTA2	1.6 ECO AWD	**7722**
TL 1.6T-GDI **+**IMMO 39175-2BTA0	1.6 SPORT FWD	**7520**
TL 1.6T-GDI **+**IMMO 39175-2BTA2	1.6 SPORT AWD	**7522**

Note: **+**IMMO=Start Stop Button, **-**IMMO=Key Start