

 HYUNDAI NEW THINKING. NEW POSSIBILITIES. Technical Service Bulletin	GROUP CAMPAIGN	NUMBER 17-01-024
	DATE MARCH 2017	MODEL(S) TUCSON (TL)
SUBJECT: DCT CONTROL LOGIC UPDATE & P0128 DTC LOGIC UPDATE (SERVICE CAMPAIGN T1B)		

  **ECU Update**

This TSB supersedes TSB # 16-01-057 to include P0128 logic update in the subject title.

*** 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 the TCM (Transmission Control Module) on some 2016 and 2017 Hyundai Tucsons equipped with a 7-speed EcoShift® Dual Clutch Transmission (DCT). The update will address:

- A slight hesitation at low speeds that can be experienced in certain driving conditions. This update improves the low speed engine and transmission response.
- Malfunction indicator light illuminated with DTC P0128 - Coolant Thermostat - Coolant Temp Below Thermostat Regulating Temperature.

Applicable Vehicles: Certain 2016 and 2017 Tucson (TL) with 1.6L engine 7DCT Transmission

GDS Information: System Selection: **DCT**

Event #	Description
413*	TL 1.6T 7DCT CONTROL LOGIC IMPROVEMENT(ECM 1 of 2)
414*	TL 1.6T 7DCT CONTROL LOGIC IMPROVEMENT(TCM 2 of 2)

(*or use a later available event as listed in the GDS ECU Update screen if one is available.)

NOTICE

Both the ECM and TCM update events must be performed.

Warranty Information:

Model	Op Code	Operation	Op Time	Causal Part	Nature	Cause
Tucson (TL)	60C095R1	ECM & TCM UPDATE	0.5 M/H	95440-2D720	T31	ZZ3

NOTE: Submit claims on Campaign Claim Entry Screen.

NOTICE

You must initially perform GDS ECM and TCM Update in Auto Mode.

- If the ECM or TCM 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).

ECM ROM ID Table:

Model	IMMO	ECM P/N	CAL ID	
			OLD	NEW
1.6 SPORT/LIMITED FWD	Yes (SSB)	39175-2BTA0 39175-2BTA5	GTTL-FNU6FS00H00 GTTL-FNU6FS01H00 GTTL-FNU6FS02H00 GTTL-FNU6FS03H00 GTTL-HNU6FS00H01	GTTL-HNU6FS01H01
1.6 ECO FWD	No (Key Start)	39177-2BTA0 39177-2BTA5	GTTL-FNU6ES00H00 GTTL-FNU6ES01H00 GTTL-FNU6ES02H00 GTTL-FNU6ES03H00 GTTL-HNU6ES00H01	GTTL-HNU6ES01H01
1.6 SPORT/LIMITED AWD	Yes (SSB)	39175-2BTA2 39175-2BTA6	GTTL-FNU6FS00J00 GTTL-FNU6FS01J00 GTTL-FNU6FS02J00 GTTL-FNU6FS03J00 GTTL-HNU6FS00J01	GTTL-HNU6FS01J01
1.6 ECO AWD	No (Key Start)	39177-2BTA2 39177-2BTA6	GTTL-FNU6ES00J00 GTTL-FNU6ES01J00 GTTL-FNU6ES02J00 GTTL-FNU6ES03J00 GTTL-HNU6ES00J01	GTTL-HNU6ES01J01

TCM ROM ID Table:

Model	TCM P/N	CAL ID	
		OLD	NEW
Tucson (TL)	95440-2D720	DTL0T16NS0 DTL0T16NS1 DTL0T16NS2 DTL0T16NS3 DTL0T16NS4 DTL0T16NS5 DTL0T16NS6 DTL0T16NS7	DTL0T16NS8

ECM Manual Mode Password Information Table:

Menu	Vehicle Type	Password
TL 1.6T-GDI 39177-2BTA0/5 (Key Start)	1.6L ECO FWD	7725
TL 1.6T-GDI 39177-2BTA2/6 (Key Start)	1.6L ECO AWD	7726
TL 1.6T-GDI 39175-2BTA0/5 (SSB)	1.6L Sport/Limited FWD	7525
TL 1.6T-GDI 39175-2BTA2/6 (SSB)	1.6L Sport/Limited AWD	7526

TCM Manual Mode Password Information Table:

Menu	Password
TL 1.6T-GDI TCU(DCT) 95440-2D720	2720

Service Procedure:

1. Perform service procedure outlined in this TSB.
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.