	GROUP	NUMBER
HYUNDAI	NEW THINKING. NEW POSSIBILITIES.	**CAMPAIGN**	**16-01-053**
Technical Service Bulletin	DATE	MODEL(S)
	November 2016	**SONATA ECO (LF)**

SUBJECT:	SONATA (LF) DCT CONTROL LOGIC UPDATE (SERVICE CAMPAIGN TWW)

GDS Global Diagnostic System HYUNDAI ECU Update

★ **IMPORTANT**

*****DEALER STOCK ONLY*****

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery.

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 2017 Hyundai Sonatas 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.

Applicable Vehicles: Certain 2017 Sonata Eco (LF) with 1.6L turbo engine 7-speed DCT Transmission

GDS Information: System Selection: **DCT**

Event #	Description
418*	LF 1.6T 7DCT CONTROL LOGIC IMPROVEMENT(ECM 1 of 2)
419*	LF 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
Sonata (LF)	60CA26R0	ECM & TCM UPDATE	0.5 M/H

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**
Sonata (LF) 1.6T-GDI	Yes (SSB)	39118-2BLA0	GTLF-ENU6FS00H00 GTLF-ENU6FS01H00 GTLF-ENU6FS02H00 GTLF-ENU6FS03H00 GTLF-ENU6FS04H00	GTLF-ENU6FS05H00
	No (Key Start)	39118-2BLA3	GTLF-ENU6ES00H00 GTLF-ENU6ES01H00 GTLF-ENU6ES02H00 GTLF-ENU6ES03H00 GTLF-ENU6ES04H00	GTLF-ENU6ES05H00

TCM ROM ID Table:

Model	TCM P/N	CAL ID	
		OLD	**NEW**
Sonata (LF) 1.6T-GDI DCT	95440-2D001	DLF0T16NS0 DLF0T16NS1 DLF0T16NS2 DLF0T16NS3 DLF0T16NS4 DLF0T16NS5 DLF0T16NS6 DLF0T16NS7 DLF0T16NS8 DLF0T16NS9 DLF0T16NSA DLF0T16NSB	DLF0T16NSC

Manual Mode Password Information Table:

Menu	Vehicle Type	Password
LF 1.6T-GDI ECM 39118-2BLA3 (Key Start)	1.6L ECO	1823
LF 1.6T-GDI ECM 39118-2BLA0 (SSB)	1.6L ECO	1820

TCM Manual Mode Password Information Table:

Menu	Password
LF 1.6T-GDI TCU(DCT) 95440-2D001	2001

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.