 HYUNDAI Technical Service Bulletin	GROUP CAMPAIGN	NUMBER 20-01-008H
	DATE February, 2020	MODEL(S) ELANTRA (AD/ADA)
SUBJECT:	ECM SOFTWARE UPDATE – MISFIRE DTC LOGIC (SERVICE CAMPAIGN T3W)	

This TSB supersedes TSB 19-01-027H with revised ECM software 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 information related to the Engine Control Module (ECM) software update for 2018 - 2019MY Elantra (AD/ADA) vehicles equipped with 2.0L engine. This software update includes cylinder imbalance learning logic optimization for Malfunction Indicator Light illumination with DTC P0300/P0301/P0302/P0303/P0304 (Cylinder "X" – misfire detected).

Applicable Vehicle: Certain 2018 - 2019MY Elantra (AD/ADA) equipped with 2.0L engine.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature	Cause
Elantra (AD/ADA)	90C042R1	ECM UPGRADE	0.3 M/H	39190-2EAD1	I3T	ZZ3

NOTE 1: Submit Claim on Campaign Claim Entry Screen.

NOTE 2: If a part is found in need of replacement while performing Service Campaign T3W and the affected part is still under warranty, submit a separate warranty claim using the same Repair Order. If the affected part is out of warranty, submit a Prior Approval Request for goodwill consideration prior to performing the work.

GDS Information:

System Selection: **ENGINE CONTROL MODULE (ECM)**

Event #	Description
583*	AD(A) 2.0MPI - MISFIRE DTC IMPROVEMENT (2 nd)

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

Service Procedure:

1. Perform GDS Mobile software update per TSB **15-GI-001**.
2. After successful completion of **ECM software update**, check for Diagnostic Trouble Codes in **ALL** menus and erase any DTC.
3. Confirm normal vehicle operation.

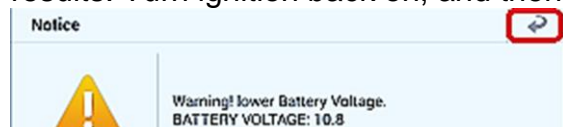
NOTICE

You must initially perform GDS-M ECM Update in Auto Mode.

If the ECM 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 run the engine 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.



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(SERVICE CAMPAIGN T3W)****ECM ROM ID Information Table:**

MODEL	TM	EMISSION	IMMO.	PCM P/No.	ROM ID	
					OLD	NEW
18MY Elantra (AD/ADA) 2.0L	6AT	SULEV	+IMMO	39171-2EFB2 39171-2EFD2	AD8SP2AS673A AD8SP2AS673B AD8SP2AS673C AD8SP2AS673D AD8SP2AF676A	AD8SP2AF676B
		SULEV	-IMMO	39173-2EFB2 39173-2EFD2	AD8SP2US673A AD8SP2US673B AD8SP2US673C AD8SP2US673D AD8SP2UF676A	AD8SP2UF676B
		ULEV	+IMMO	39171-2EFC2 39171-2EFE2	AD8UP2AS673A AD8UP2AS673B AD8UP2AS673C AD8UP2AS673D AD8UP2AF676A	AD8UP2AF676B
		ULEV	-IMMO	39173-2EFC2 39173-2EFE2	AD8UP2US673A AD8UP2US673B AD8UP2US673C AD8UP2US673D AD8UP2UF676A	AD8UP2UF676B
	6MT	ULEV	+IMMO	39175-2EFC2	AD8UP2CS673A AD8UP2CS673B AD8UP2CF676A	AD8UP2CF676B
		ULEV	-IMMO	39177-2EFC2	AD8UP2VS673A AD8UP2VS673B AD8UP2VF676A	AD8UP2VF676B
19MY Elantra (AD/ADA) 2.0L	6AT	SULEV	+IMMO	39171-2EFB5 39171-2EFD5	AD9SP2AS694A AD9SP2AS695A AD9SP2AS697A AD9SP2AF698A	AD9SP2AF698B
		SULEV	-IMMO	39173-2EFB5 39173-2EFD5	AD9SP2US694A AD9SP2US695A	AD9SP2UF698A
		ULEV	+IMMO	39171-2EFC5 39171-2EFE5	AD9UP2AS694A AD9UP2AS695A AD9UP2AS697A AD9UP2AF698A	AD9UP2AF698B
		ULEV	-IMMO	39173-2EFC5 39173-2EFE5	AD9UP2US694A AD9UP2US695A	AD9UP2UF698A
	6MT	ULEV	-IMMO	39177-2EFA5	AD9UP2VS694A AD9UP2VS695A	AD9UP2VF698A

NOTE: +IMMO = Start Stop Button, -IMMO = Key Start

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(SERVICE CAMPAIGN T3W)**

Manual Mode Password Information Tables:

EVENT #	MENU	PASSWORD
#583	AD(A) 2.0MPI AT -IMMO 39173-2EFB2/D2	3222
	AD(A) 2.0MPI AT -IMMO 39173-2EFC2/E2	3223
	AD(A) 2.0MPI MT -IMMO 39177-2EFC2	7722
	AD(A) 2.0MPI AT +IMMO 39171-2EFB2/D2	1222
	AD(A) 2.0MPI AT +IMMO 39171-2EFC2/E2	1223
	AD(A) 2.0MPI MT +IMMO 39175-2EFC2	7522
	AD(A) 2.0MPI AT -IMMO 39173-2EFB5/D5	3255
	AD(A) 2.0MPI AT -IMMO 39173-2EFC5/E5	3256
	AD(A) 2.0MPI MT -IMMO 39177-2EFA5	7725
	AD(A) 2.0MPI AT +IMMO 39171-2EFB5/D5	1255
	AD(A) 2.0MPI AT +IMMO 39171-2EFC5/E5	1256