



# Technical Service Bulletin

GROUP <b>CAMPAIGN</b>	NUMBER <b>20-01-027H</b>
DATE <b>JUNE, 2020</b>	MODEL(S) <b>SONATA (DN8)</b>

**SUBJECT:** ECM SOFTWARE UPDATE – P030X & P0456 (SERVICE CAMPAIGN T5A)

## ★ 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 "Vehicle Information Screen (VIS)" via WEBDCS to identify open Campaigns.

### Description:

This bulletin provides information related to an Electronic Control Module (ECM) software update to revise the logic for DTC P030X: Cylinder "X" Misfire Detected and P0456: EVAP System Leakage Detected – Very Small Leak.

**Applicable Vehicle:** Certain 2020MY Sonata (DN8) equipped with 1.6T GDI engine.

### Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Sonata (DN8)	00DA18R0	ECM UPGRADE	0.3 M/H	39116-2M003	I3T	ZZ3

**NOTE 1: Submit Claim on Campaign Claim Entry Screen.**

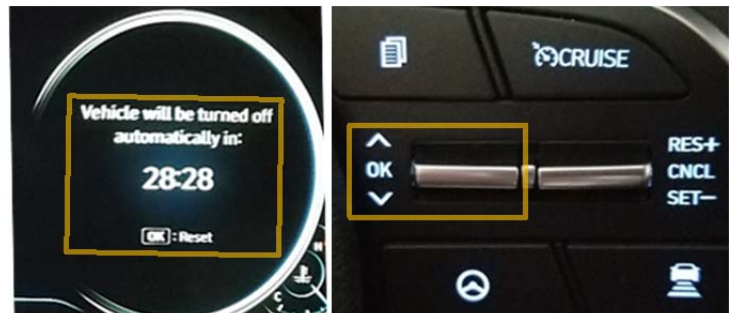
**NOTE 2: If a part is found in need of replacement while performing Service Campaign XXX and the affected part is still under warranty, submit a separate warranty claim using the same Repair Order. If the affected part is out of warranty, submit a Prior Approval Request for goodwill consideration prior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

## NOTICE

The ECM Software Update takes approximately 15 minutes to perform. However, the vehicle is equipped with a 30 minute factory default Vehicle Auto-Shut Off feature.

If the **Vehicle Shut-Off Timer: XX:XX** appears on the cluster, press **OK** on the steering wheel to reset the timer before starting the ECM update.

In the event of ECM update failure due to Vehicle Auto-Shut Off activation, perform the ECM update again in **Manual Mode**.



**GDS Information:**

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

Event #	Description
<b>596*</b>	DN8A 1.6T-GDI – P0456 AND P030X DTC IMPROVEMENT

(\*or use a later available event as listed in the GDS 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 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**

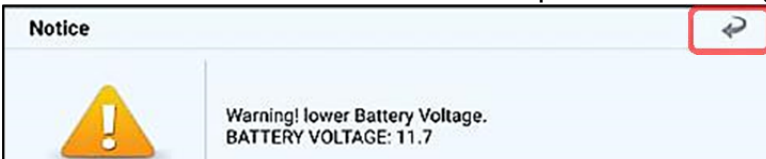
**GDS-M Vehicle Battery Low Voltage Warning:**

When the vehicle battery is lower than 12 volts, the GDS-M will trigger a Low Battery Voltage Warning. If this Warning occurs,

**A.** Connect the battery to a fully charged battery jump pack or GR8 charger using “Power Supply Mode” to continue the software update.

**OR**

**B.** Select “BACK” to exit the SW update. Then, start the engine and idle with the headlights on for 20 minutes. Return to the SW update after charging the battery.



**ECM ROM ID Information Table:**

MODEL	TM	EMISSION	IMMO.	PCM P/No.	ROM ID	
					OLD	NEW
DN8	8AT	1.6T-GDI	+IMMO	39116-2M003	TDNA0NU06F00FE03 TDNA0NU06F10FE03 TDNA0NU06F20FE03 TDNA0NU06F30FE03 TDNA0NU06F40FE03	TDNA0NU06F724E03

**NOTE:** +IMMO = Start Stop Button

**Manual Mode Password Information Tables:**

EVENT #	MENU	PASSWORD
#596	DN8A 1.6T-GDI +IMMO 39116-2M003	3705