



Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 21-01-014HG
DATE MARCH, 2021	MODEL(S) G80 (DH)

SUBJECT: TCU UPDATE – DH TCU LOGIC (SERVICE CAMPAIGN T16G)

★ 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 Genesis Motor America’s "Warranty Vehicle Information Screen (VIS)" via WEBDCS to identify open Campaigns.

Description: This TSB describes the procedure to update the TCU to revise the diagnosis logic for OBD communication test.

Applicable Vehicles: Certain 2018 G80 (DH) 3.8GDI/5.0GDI/3.3TGDI with 8-speed transmission

GDS Information: System Selection: **A/T**

Event	Description
460*	DH PE 3.8GDI/5.0GDI/3.3TGDI 8AT - TCU DIAGNOSIS LOGIC IMPROVEMENT"

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

Warranty Information:

Model	Op Code	Operation	Op Time	Causal Part	Nature Code	Cause Code
G80 (DH)	00D101R0	ECU Upgrade	0.3	95441-47281	I14	ZZ3

NOTE 1: Submit Claim on Campaign Claim Entry Screen.

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

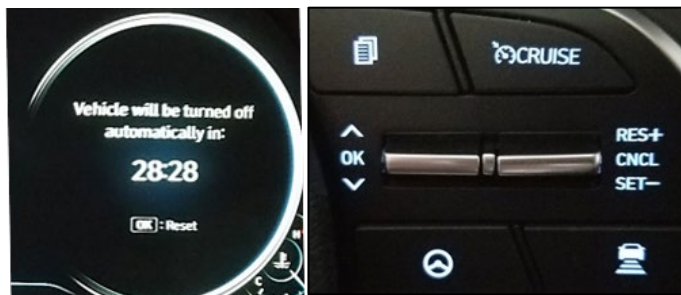
Service Procedure:

Perform GDS Mobile software update per TSB **15-GI-001**.

The TCU 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 TCU update again in the **Manual** mode.



TCU ROM ID Table:

MODEL	ENGINE	TCU P/N	ROM ID	
			OLD	NEW
G80 (DH)	3.8L GDI	95441-47280	TDH0G38NH0	TDH0G38N10
		95441-47290	SDH0G38NH0	SDH0G38N10
		95441-47281	TDH0G38NH1 TDH0G38NH2	TDH0G38NH3
		95441-47291	SDH0G38NH1 SDH0G38NH2	SDH0G38NH3
	5.0L GDI	95441-4J340	TDH0G50NH0 TDH0G50NH1	TDH0G50NH2
		95441-4J350	SDH0G50NH0 SDH0G50NH1	SDH0G50NH2
	3.3T GDI	95441-4J260	TDH0T33NH0 TDH0T33NH1 TDH0T33NH2	TDH0T33NH3
		95441-4J270	SDH0T33NH0 SDH0T33NH1 SDH0T33NH2	SDH0T33NH3

Manual Update: If the TCU Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

Menu	Password
DH PE 3.8GDI TCU 95441-47280	7280
DH PE 3.8GDI TCU 95441-47290	7290
DH PE 3.8GDI TCU 95441-47281	7281
DH PE 3.8GDI TCU 95441-47291	7291
DH PE 5.0GDI TCU 95441-4J340	4340
DH PE 5.0GDI TCU 95441-4J350	4350
DH PE 3.3TGDI TCU 95441-4J260	4260
DH PE 3.3TGDI TCU 95441-4J270	4270

Perform the following after the TCU Update:

1. Check for Diagnostic Trouble Codes in all menus and erase any DTC.
2. Reset the transmission adaptive values using GDS, **S/W Management, Automatic Transaxle, Resetting Auto Transmission Adaptive Values.**