



Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 23-01-032H
DATE APRIL, 2023	MODEL(S) SANTA FE HYBRID (TM HEV)

SUBJECT: HCU UPGRADE – SANTA FE HYBRID (TM HEV) IMMOBILIZER IMPROVEMENT – (SERVICE CAMPAIGN T9U)

★ IMPORTANT

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.

Access the “Vehicle Information” screen via WEBDCS to identify open campaigns.

DESCRIPTION: This bulletin provides information related to the HCU software upgrade to resolve the following symptoms:

- Possibility that the engine cannot run due to poor immobilizer function (although driving with electric motor is possible)
- HCU function setting error

APPLICABLE VEHICLES: Certain 21-22MY Santa Fe Hybrid (TM HEV) equipped with 1.6L Gamma II turbocharged engines produced from 12/18/2020 – 09/19/2022

GDS INFORMATION: System Selection: HCU/LDC:

Event #	Description
#910	TM HEV GAMMA2 T-GDI DTC MISDIAGNOSIS & OIL DILUTION IMPROVEMENT (HCU)

WARRANTY INFORMATION:

Model	Op Code	Operation	Op Time	Causal Part	Nature Code	Cause Code
Santa Fe Hybrid (TM HEV)	20D178R0	HCU UPGRADE	0.5 M/H	36600-3DBH0	I14	ZZ3

NOTE 1: Submit claim on Campaign Claim Entry screen.

NOTE 2: If a part that is not covered by this campaign 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:**NOTICE**

To verify the vehicle is affected, be sure to check the version of the vehicle's HCU ROM ID with reference to the HCU ROM ID TABLE below before attempting to upgrade the control unit software.

You must attach a 12V battery charger to the vehicle before performing GDS HCU Update. This is to prevent a battery saver condition from occurring since Santa Fe Hybrid uses a smaller battery.

You must initially perform GDS HCU Update in Auto Mode.

- If the HCU Update starts but then fails in Auto Mode, disconnect the battery cables and touch the cables together for one minute. Reconnect the battery cables, attach a battery charger and perform the update in Manual Mode to recover.
- Refer to the General Instructions found in TSB 15-GI-001 (GDS Mobile).

HCU ROM ID TABLE:

Model	Part Number	ROM ID	
		Old	New
21-22MY Santa Fe Hybrid (TM HEV)	36600-3DBH0	GTMC1N6HNS0-C740	GTMC1N6HNS1-C740
	36600-3DBH1	GTMC1N6HNS0-C940	GTMC1N6HNS1-C940

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

Model	Event #	Menu	Password
21-22MY Santa Fe Hybrid (TM HEV)	#910	TM PE HEV (21-22MY) 1.6T-GDI 6AT 4WD 17inch 36600-3DBH0	9101
		TM PE HEV (21-22MY) 1.6T-GDI 6AT 4WD 19inch 36600-3DBH1	9102