



Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 23-01-023H
DATE MARCH 2023	MODEL(S) SONATA HYBRID (DN8 HEV)

SUBJECT: ECU UPDATE – ITM (INTEGRATED THERMAL MANAGEMENT)
(P00B7) (SERVICE CAMPAIGN T9T)

★ IMPORTANT

Dealers must perform this service campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicles 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 ECU software update for Sonata Hybrid (DN8 HEV) vehicles to revise the logic for the following DTC :

- DTC P00B7 – Engine Coolant Flow Low/Performance

Applicable Vehicles:

- Certain 23MY Sonata Hybrid (DN8 HEV) manufactured from July 05, 2022 to January 16, 2023

GDS Information:

Event #	Description
923	DN8 HEV NU GDI ITM LOGIC IMPROVEMENT (P00B7)

NOTES:

- Refer to TSB 15-GI-001 for additional tablet-based Mobile GDS ECU update information.
- After the ECU Upgrade process shows 100% complete, **cycle the ignition key to OFF for at least 30 seconds to reset the control unit**. This step is important for establishing normal powertrain communication and to prevent system errors.
- Clear DTC(s) present after the ECU update.
- Start engine to confirm proper operation of the vehicle.

⚠ WARNING



GDS Vehicle Battery Voltage Warning:

If voltage is below 12 volts as per the GDS warning, then select **Back** and run the engine at least 15 minutes to reach an adequate battery state of charge to prevent ECU Update failure. Cycle the ignition **OFF/ON** before retrying ECU update again.

SUBJECT:ECU UPGRADE – ITM (INTEGRATED THERMAL MANAGEMENT)
(P00B7) (SERVICE CAMPAIGN T9T)**Warranty Information:**

MODEL	OP CODE	OP NAME	OP TIME	CAUSAL PART	NATURE	CAUSE
SONATA HYBRID (DN8 HEV)	20D175R0	ECU UPGRADE	0.3 M/H	39116-2J014	I11	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 this 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 performing the work.**NOTICE****You must initially perform all GDS ECU Updates in Auto Mode.**

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

ROM ID Information Table:

- Verify the ECM ROM ID before updating the software. Refer to the table below.
- **IMMO (O)** = Start Stop Button
- **NON IMMO (X)** = Key Start

#923

VEH	TM	IMMO	MY	ECU P/N	ROM ID	
					OLD	NEW
SONATA HYBRID (DN8 HEV)	6AT	+IMMO	23MY	39116-2J014	HDN82NS0AQ183C00	HDN82NS0AQ283C00

If the Automatic ECU Upgrade process fails, **cycle the ignition key to OFF for at least 30 seconds to reset the control unit.** Then resume programming using the Manual ECU Upgrade processes.After the ECU Upgrade process shows 100% complete, **cycle the ignition key again to OFF for at least 30 seconds to reset the control unit.** This step is important for establishing normal powertrain communication and to prevent system errors.**MANUAL MODE PASSWORD INFORMATION TABLE:**

ECM MENU (#923)	PASSWORD
DN8 HEV NU 6AT 39116-2J014	2014

NOTE: After the ECU update has been completed:

- Clear any ECM DTC(s) after the ECU update.

Start the engine to confirm proper operation of the vehicle.