



Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 23-01-093H
DATE DECEMBER 2023	MODEL(S) SONATA HYBRID (DN8 HEV)

SUBJECT: HCU / DATC UPDATE – EHRS LOGIC IMPROVEMENT (SERVICE CAMPAIGN TBH)

* 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 the procedure to update the Hybrid Control Unit (HCU) and Dual Automatic Temperature Control (DATC) software to help improve coolant flow to the Exhaust Heat Recovery System (EHRS).

Applicable Vehicles (Certain):

- 2020 – 2023MY Sonata Hybrid (DN8 HEV) produced from 01/29/2020 – 11/14/2023.

GDS Information:

System	Event #*	Description
HCULDC	1046	DN8 HEV EHRS LOGIC IMPROVEMENT
AIRCON	1056	

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

Warranty Information:

Model	Op. Code	Operation	Op. Time	Casual Part	Nature Code	Cause Code
Sonata Hybrid (DN8 HEV)	30D159R1	HCU + DATC UPDATE	0.5 M/H	36600-3DBE0	I14	ZZ3

NOTE 1: Submit claim on Claim Entry Screen as "Campaign" type.

NOTE 2: If a part is found in need of replacement while performing this 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.

NOTE 3: This TSB includes Repair validation photos. Op times include VIN, Mileage and Repair validation photos as outlined in the Digital Documentation Policy.

Service Procedure:

STUI



This TSB includes Repair validation photos. Refer to the latest Digital Documentation Policy for requirements.

NOTICE

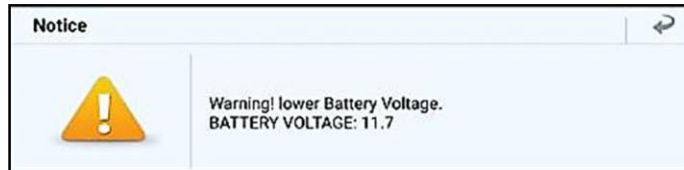
You must initially perform the GDS ECU Update in Auto Mode.

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

NOTICE

GDS Vehicle Battery Low Voltage Warning:

If voltage is below 12 volts as per the below GDS warning, then select **Back** and run the vehicle for 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.



1. Perform the HCULDC and AIRCON Updates separately in Auto Mode.

Use the Auto Mode ID Check to verify the ECU ROM ID before updating the software.

i Information

Refer to TSB 15-GI-001 for additional tablet-based Mobile GDS ECU update information.



i Information

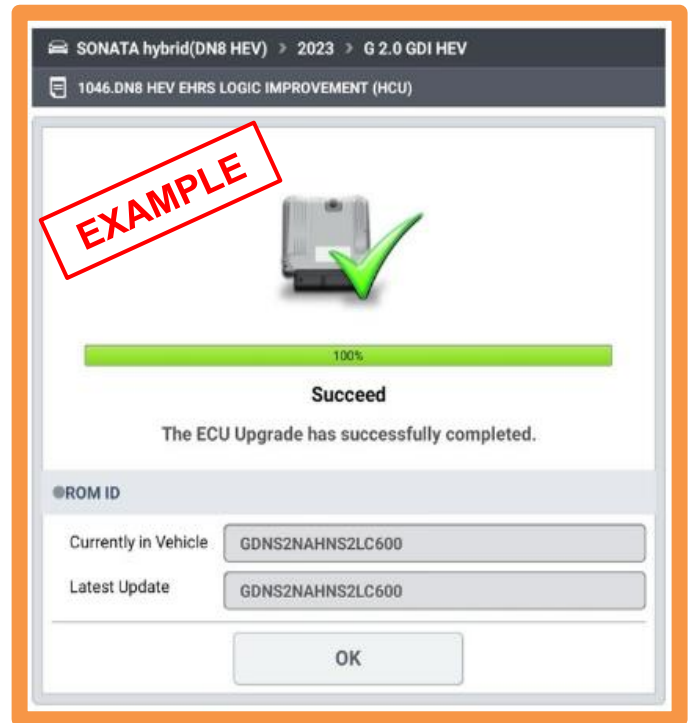
Before performing the AUTO software updates, write down or take a picture of the current ROM ID in case MANUAL update is required. This information will be used to select the correct MANUAL passcode/event.

2.

STUI



Take a screenshot of the HCULDC and AIRCON complete screens using your particular tablet's screenshot save method and upload to STUI.



3. After the ECU Upgrade process shows 100% complete, cycle the ignition key to OFF for at least 10 seconds to reset the control unit.
4. Perform an All Systems Fault Code search and erase the history of the DTC that had incidentally occurred from the ECU update.
5. Start the vehicle to confirm proper operation of the vehicle.
6. Service Procedure is now completed.

ROM ID Information Table: Event #1046 (HCULDC)

Model	MY	Part Number	ROM ID	
			OLD	NEW
Sonata Hybrid (DN8 HEV)	20-21MY	36600-3DBE0	GDNS0NAHNS1LC600	GDNS0NAHNS2LC600
		36600-3DBE1	GDNS0NAHNS1LC700	GDNS0NAHNS2LC700
	22-23MY	36600-3DHE0	GDNS2NAHNS1LC600	GDNS2NAHNS2LC600
		36600-3DHE1	GDNS2NAHNS1LC700	GDNS2NAHNS2LC700

ROM ID Information Table: Event #1056 (AIRCON)

Model	MY	Part Number	ROM ID	
			OLD	NEW
Sonata Hybrid (DN8 HEV)	20-23MY	97255-L5090	100.02	106.90
			101.00	
101.01				
102.00				
103.00				
104.00				
105.00				
			105.10	106.00

Manual Mode Password: Event #1046

ECM Menu	Password
DN8 HEV HCU 36600-3DBE0	2060
DN8 HEV HCU 36600-3DBE1	2031
DN8 HEV HCU 36600-3DHE0	2260
DN8 HEV HCU 36600-3DHE1	2271

Manual Mode Password: Event #1056

ECM Menu	Password
DN8 HEV DATC 97255-L5090/110/130/140 (ROM ID : 105.00 or less)	2345
DN8 HEV DATC 97255-L5090/110/130/140 (ROM ID : 105.10)	5555