 <b>HYUNDAI</b> <b>Technical Service Bulletin</b>	GROUP <b>CAMPAIGN</b>	NUMBER <b>23-01-033H</b>
	DATE <b>APRIL 2023</b>	MODEL(S) <b>ELANTRA N (CN7N)</b>
<b>SUBJECT:</b>	<b>MDPS – LKA OPERATION SOFTWARE UPDATE (SERVICE CAMPAIGN TAD)</b>	

**★ 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:** Certain 2023MY Elantra N (CN7-N) vehicles were programmed with Lane Keeping Assist (LKA) logic that may not apply steering assist when lane departure is detected. This bulletin provides the procedure to update the Motor Driven Power Steering (MDPS) software to revise the logic for LKA.

**Applicable Vehicles:** Certain 2023MY Elantra N (CN7N) produced from December 20, 2022 to February 15, 2023.

**GDS Information:**

SYSTEM	EVENT #	DESCRIPTION
EPS	983	CN7N UNABLE TO COOPERATE WITH MDPS DURING LKA OPERATION

**Warranty Information:**

VEHICLE	OP CODE	OP NAME	OP TIME	CAUSAL PART	NATURE	CAUSE
Elantra N (CN7N)	30D021R0	MDPS Upgrade	0.3 M/H	57700-IB000	I14	ZZ3

**NOTE 1:** Submit claim on Campaign Claim Entry screen.

**NOTE 2:** If a part that is not covered by this campaign is in need of replacement while performing this campaign and the affected part is still under warranty, please 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.

**i Information**

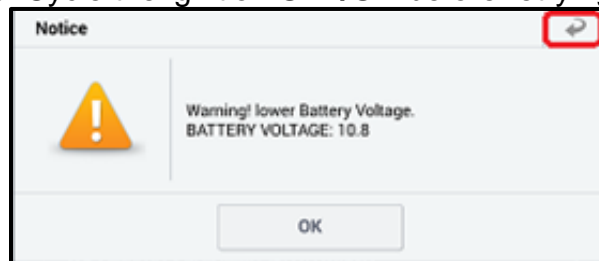
**GDS ECU Updates must be performed in Auto Mode.**

- If ECU Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.
- Turn off ignition for 30 seconds and try Manual Mode recovery.
- If unsuccessful, re-attempt Manual Mode after disconnecting the cables from the 12V battery terminals and performing cap discharge (connecting bar or heavy wire between “+” to “-“ cables).

**i Information**

**GDS Vehicle Battery Voltage:**

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



**Service Procedure:**

1. Perform GDS software update:  
Refer to TSB 15-GI-001 for the detailed tablet-based Mobile GDS ECU update procedures.
2. Check for Diagnostic Trouble Codes in the ALL menus and erase any DTC.
3. Confirm normal vehicle operation.

**ROM ID Information Table:**

MODEL	SYSTEM	P/NO	ROM ID VER.	
			OLD	NEW
Elantra N (CN7N)	Steering	57700-IB000	4CNP105-077A986C	4CNP106-077A9866
		57700-IB900		

**Manual Mode Password:**

MENU	PASSWORD
CN7N MDPS 57700-IB000/900	1311