



# Technical Service Bulletin

GROUP <b>CAMPAIGN</b>	NUMBER <b>21-01-056H</b>
DATE <b>JULY, 2021</b>	MODEL(S) <b>ELANTRA (CN7)</b>

**SUBJECT:** ICU(INTEGRATED CENTRAL CONTROL UNIT) SOFTWARE UPDATE  
(SERVICE CAMPAIGN T6V)

## ★ IMPORTANT

### \*\*\* Dealer Stock and Retail Vehicles \*\*\*

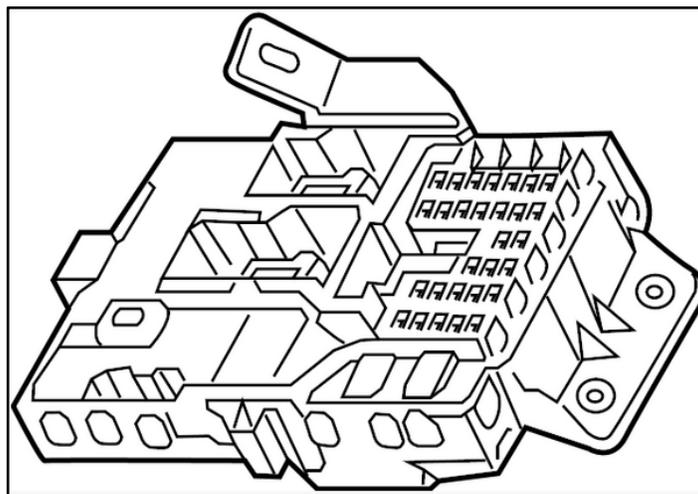
Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen (VIS) via WEBDCS to identify open Campaigns.

**Description:** Some 2021 Elantra (CN7) vehicles may exhibit a condition with multiple warning lights displayed on the instrument cluster and various symptoms; multiple DTCs (Diagnostic Trouble Code), reduction in power steering assist, and not able to shift out of Park. Possible DTCs set are:

- C181287 – CAN Time-out Gateway
- C181208 – CAN Time-out Gateway
- C180581 – LKAS CAN Signal Error
- C181887 – CAN Time-out BCA
- B109052 – TCU Missing Error

This bulletin provides the service procedure to update the ICU (Integrated Central Control Unit) software to resolve the conditions stated above.



**Applicable Vehicle: Certain 2021MY Elantra (CN7)**

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

**SUBJECT: ICU(INTEGRATED CENTRAL CONTROL UNIT) SOFTWARE UPDATE  
(SERVICE CAMPAIGN T6V)**

**Warranty Information:**

MODEL	OP. CODE	OPERATION	OP. TIME	CAUSAL PART	NATURE	CAUSE
Elantra (CN7)	10D101R2	ICU Software Upgrade	0.3 M/H	91951-AA010	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 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.**

**ICU SOFTWARE UPDATE PROCEDURE**

**NOTICE**

**Check if the vehicle's software version is affected:**

- Check the current version of the ICU ROM ID and compare it to the ROM ID information table listed below before attempting to perform the software update.

**NOTICE**

**You must initially perform the GDS ICU Update in Auto Mode.**

- Refer to the TSB **15-GI-001** for the tablet-based Mobile GDS ECU update procedures.
- If the ICU update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

**NOTICE**

- In the ECU Upgrade screen, select ICU as the system to update.

**GDS INFORMATION:**

EVENT INFORMATION	
MODEL	EVENT DESCRIPTION
Elantra (CN7)	"711.CN7 ICU (INTEGRATED CENTRAL CONTROL UNIT) UPGRADE"

**ROM ID INFORMATION TABLE:**

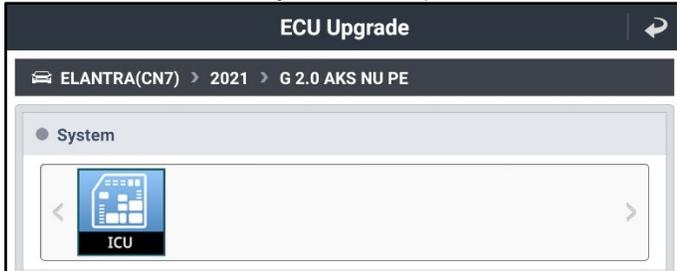
MODEL	SYSTEM	ICU P/N	ROM ID	
			OLD	NEW
Elantra (CN7)	ICU	91950-AA010 ~ 91950-AA990	1.05	1.06
		91951-AA010 ~ 91951-AA590		

**MANUAL MODE PASSWORD INFORMATION TABLE:**

<b>MENU</b>	<b>PASSWORD</b>
CN7 ICU 91950/91951-AAXXX	5051

**Service Procedure:**

1. Select ICU as the system to update.



2. Check the current version of the ICU ROM ID and compare it to the ROM ID Information Table listed above before attempting to perform the software update.
3. Perform GDS software update. Refer to TSB **15-GI-001** for the tablet-based Mobile GDS ECU update procedures.
4. After the software has updated, check for Diagnostic Trouble Codes in the **ALL** menus and erase any DTC.
5. Confirm vehicle is operating normally.