



# Technical Service Bulletin

GROUP  
**BODY ELECTRICAL**

NUMBER  
**26-BE-009H**

DATE  
**APRIL 2026**

MODEL(S)  
**IONIQ 5 (NEA EV)**

**SUBJECT:** NO START OR UNABLE TO ENTER READY MODE - BDC MODULE INSPECTION & REPLACEMENT

**Description:** Some IONIQ 5 (NEA EV) vehicles may exhibit a no START/READY condition when pressing the START/STOP Button (SSB). This bulletin provides the procedure to inspect for the START/READY condition, and if needed, replace the Body Domain Control (BDC) module.



### Applicable Vehicles:

Model Year	Model	Production Dates
2025	IONIQ 5 (NEA EV)	10/01/2024 – 06/03/2025

### NOTICE

To avoid any potential damage to IONIQ vehicles, IONIQ repairs can only be performed at IONIQ certified dealers.

### Parts Information:

Model	Part Name	Part Number	Figure	Quantity
IONIQ 5 (NEA EV)	Unit Assy – BDC	954A0-PI000		1

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

**SUBJECT:**NO START OR UNABLE TO ENTER READY MODE - BDC MODULE  
INSPECTION & REPLACEMENT**Warranty Information:**

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
IONIQ 5 (NEA EV)	95415R00	BDC(IBU OR BCM) UNIT	Refer to WebLTS for current LTS time	Refer to WebLTS for applicable part to labor op code combination	I12	ZZ5

**NOTE 1:** Normal warranty applies.**NOTE 2:** Submit claim on Claim Entry Screen as “Warranty” type.**NOTE 3:** This TSB includes repair justification photos. Op times include VIN, Mileage, and repair justification photos as outlined in the Digital Documentation Policy.**NOTE 4:** The incident parts are subject to callback through the normal Warranty Technical Center (WTC) parts return process. **Claim is subject to debit if the part is not returned.****NOTE 5:** If any part(s) not subject to this TSB are found in need of replacement while performing the repair procedure, and the affected part(s) are still under warranty, the retailer may submit a separate claim using the same repair order. If the part(s) not subject to this TSB are out of warranty coverage, the retailer has the option to submit a PA Request for goodwill consideration on a case-by-case basis.**Service Procedure:****DIGITAL DOCUMENTATION**

This TSB includes repair justification photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

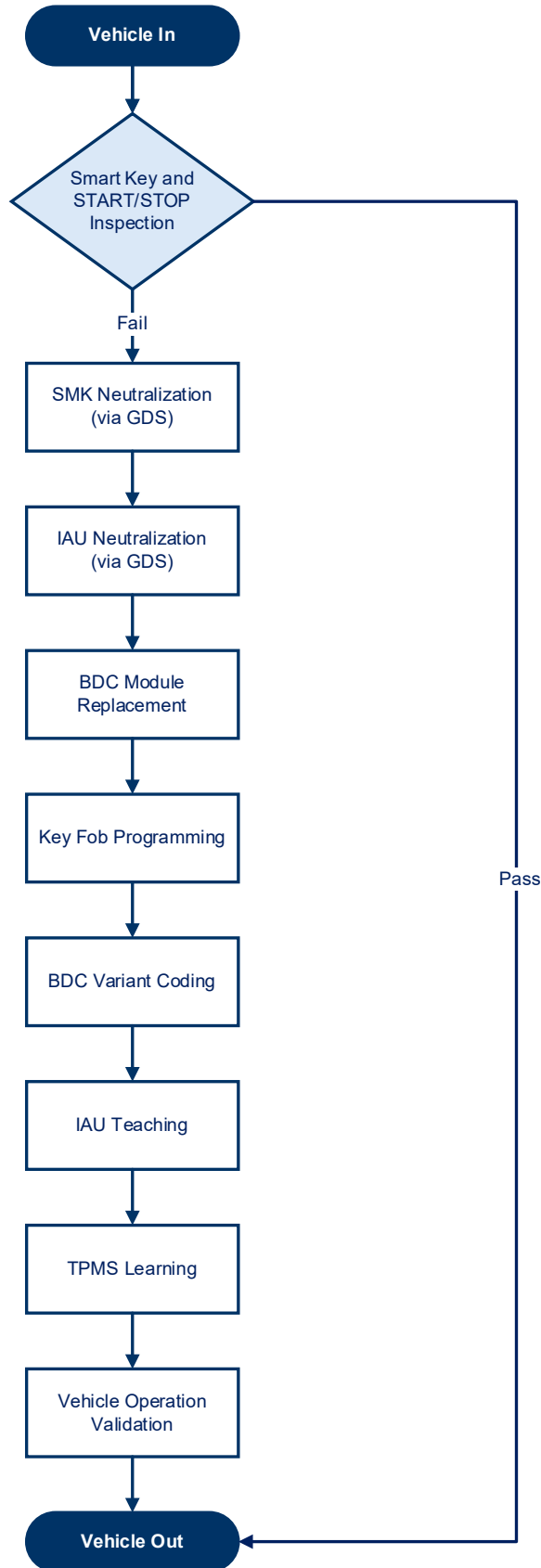
**NOTICE**

Applying the recommended torque to all fasteners is essential to reduce potential issues from occurring after the service procedure.

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**Flowchart**



**Smart Key and START/STOP Inspection**

1. Ensure the vehicle battery and key fob are properly operating:
  - The vehicle locks or unlocks when using the key fob.
  - The vehicle flashes lights when using the key fob to lock or unlock.

**Information**

If these conditions are **NOT** met, diagnose the key fob and/or the vehicle's battery.

Proceed to the next step, once proper operation is confirmed.



2. Ensure all doors are closed

Step on the brake and press the **START/STOP Button (SSB)** with the key fob:

- **PASS:** If the vehicle can enter the **START/READY** mode and does **NOT** turn **OFF** when shifting between gears, the service procedure is now complete.
- **FAIL:** If the vehicle does **NOT** enter **START/READY** mode, then proceed with the **SMK Neutralization (via GDS)** procedure.

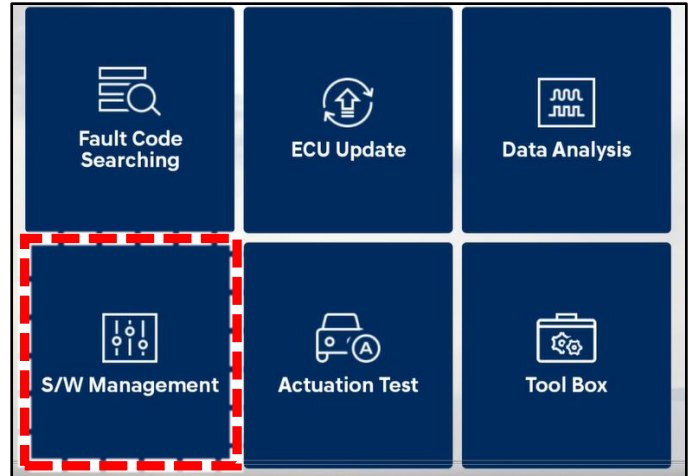
**NOTICE**

Before replacing the BDC module, the SMK (Smart Module Key) and IAU (Identity Authentication Unit) must be neutralized using the GDS.

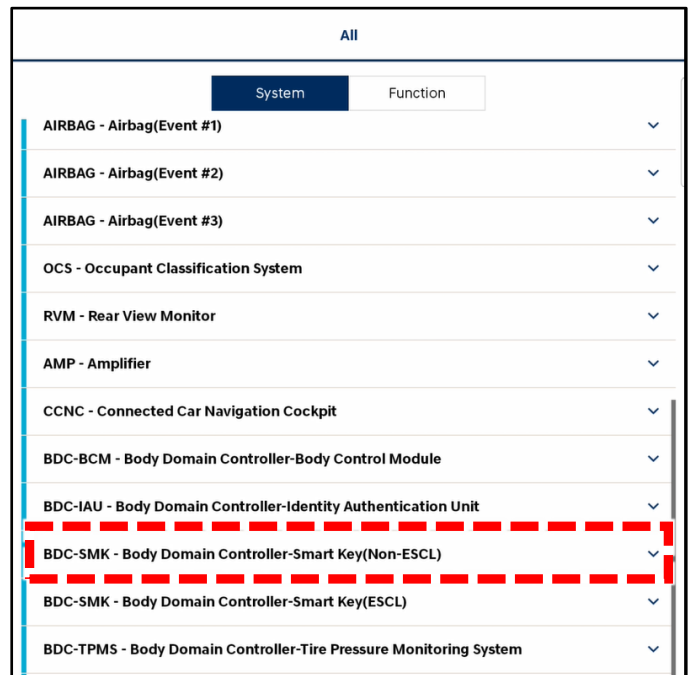
Ensure all customer Smart Keys are available before BDC replacement, as key reprogramming is required.

**SMK Neutralization (via GDS)**

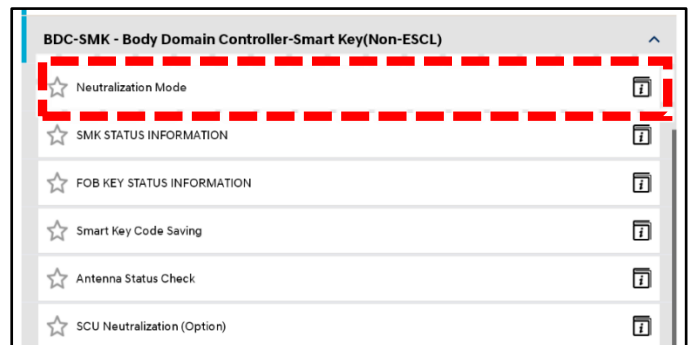
1. Connect the GDS then select **S/W Management**.



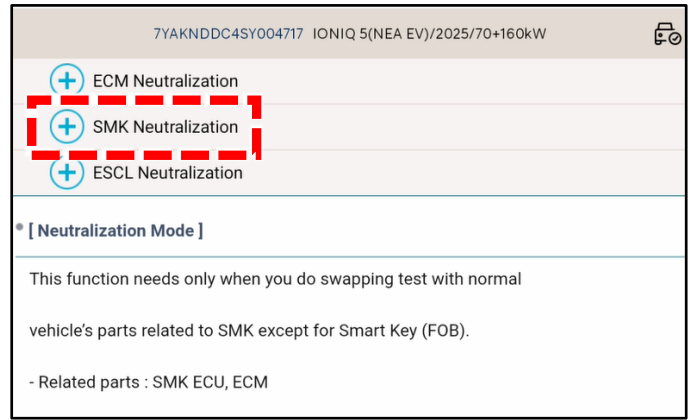
2. Select **BDC-SMK – Body Domain Controller-Smart Key(Non-ESCL)**.



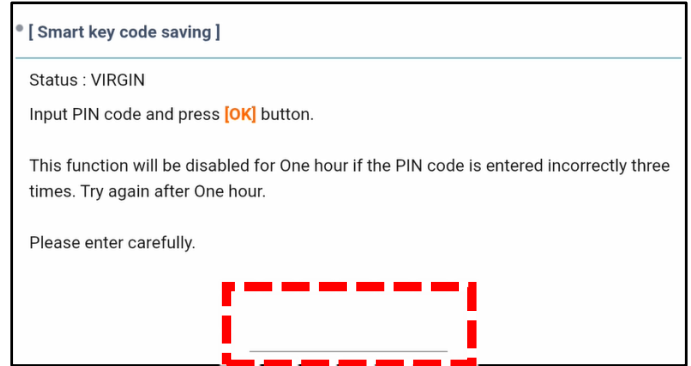
3. Select **Neutralization Mode**.



4. Select **SMK Neutralization**.

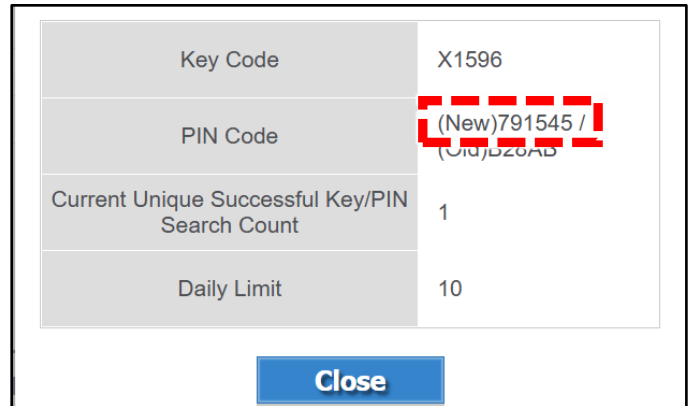


5. Input the **PIN Code** then select **OK**.



**i Information**

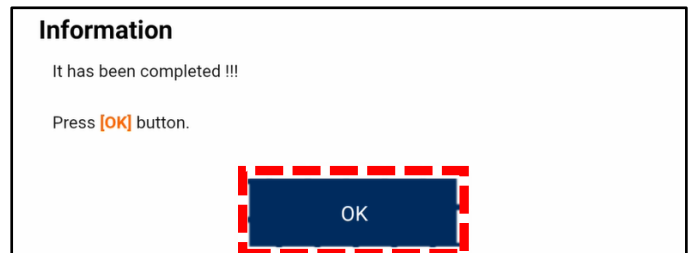
Refer to the Hyundai Service site to obtain the new Smart Key Fob PIN Code.



6. Select **OK**.

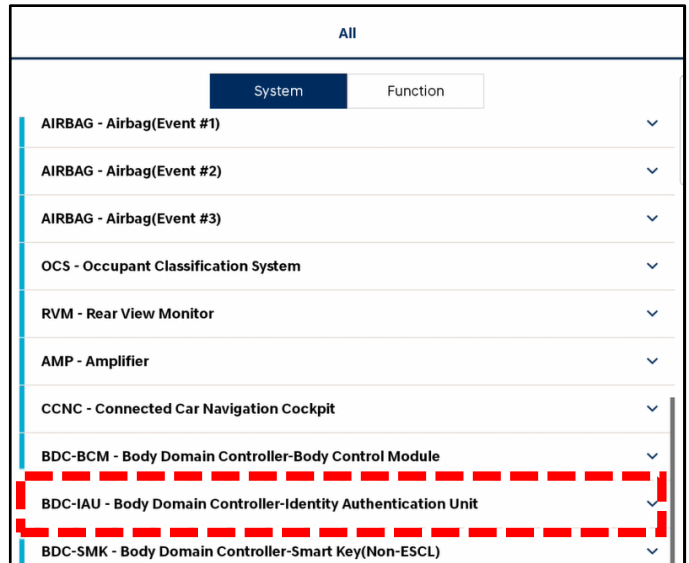
**i Information**

A pop-up message will appear once the SMK Neutralization is complete.

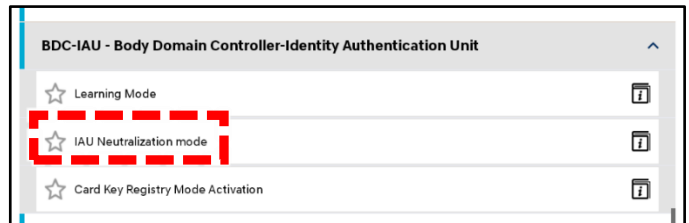


**IAU Neutralization (via GDS)**

1. Select **BDC-IAU – Body Domain Controller – Identity Authentication Unit.**

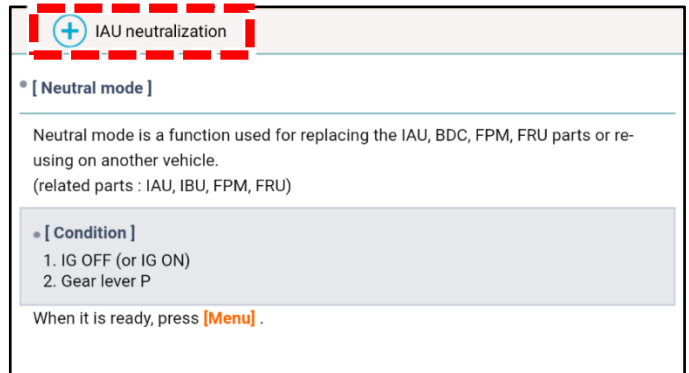


2. Select **IAU Neutralization Mode.**



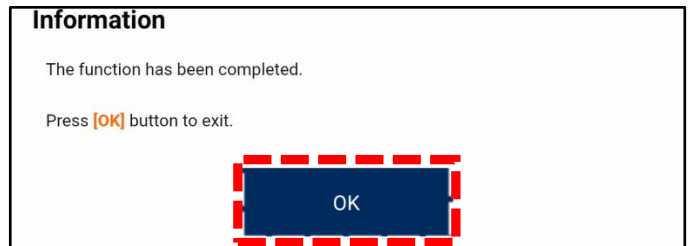
3. Select **IAU neutralization.**

**i Information**  
Follow the instructions on the screen.



4. Select **OK.**

**i Information**  
A pop-up message will appear once the IAU Neutralization is complete.

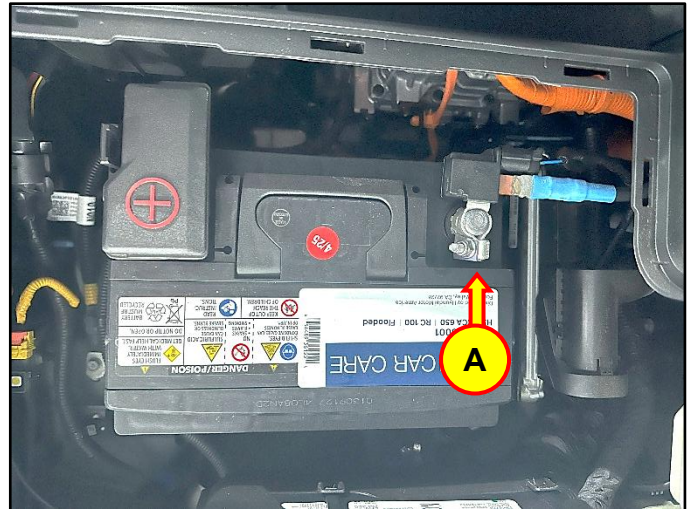


**BDC Module Replacement**

1. Disconnect the negative (-) battery terminal (A).

**Tightening Torque:**

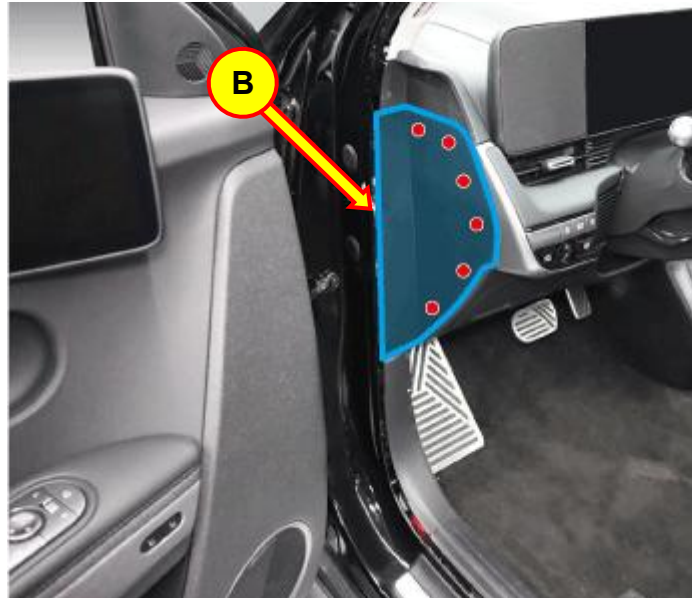
lb-ft	6.5
lb-in	78
N.m	8.8



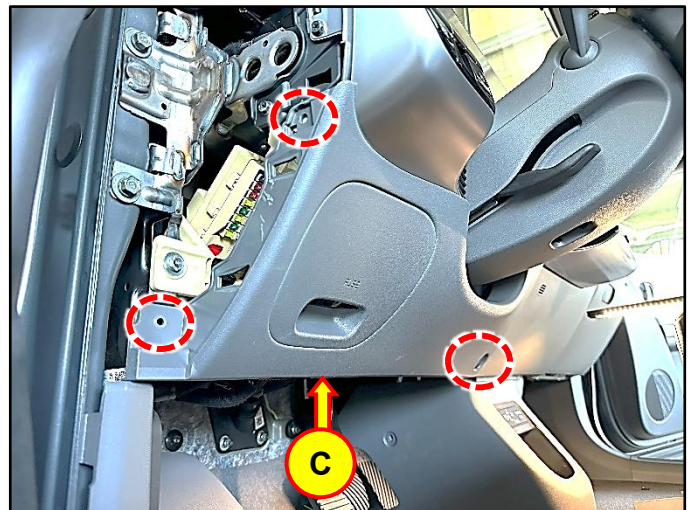
2. Remove the LH crash pad side cover (B).

**NOTICE**

Use a plastic trim tool to prevent damage.



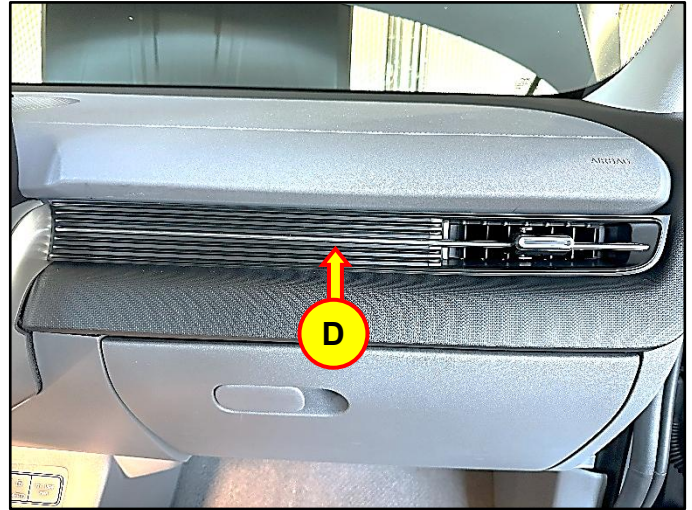
3. Remove 3 screws then remove the crash pad lower panel (C).



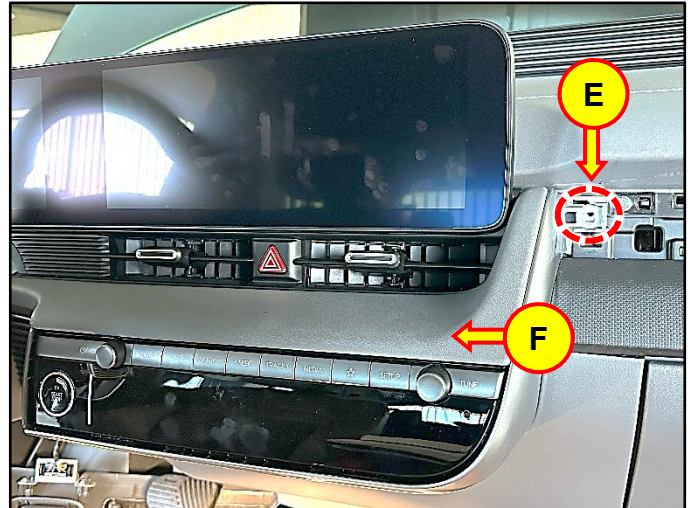
4. Remove the crash pad air vent (D).

**NOTICE**

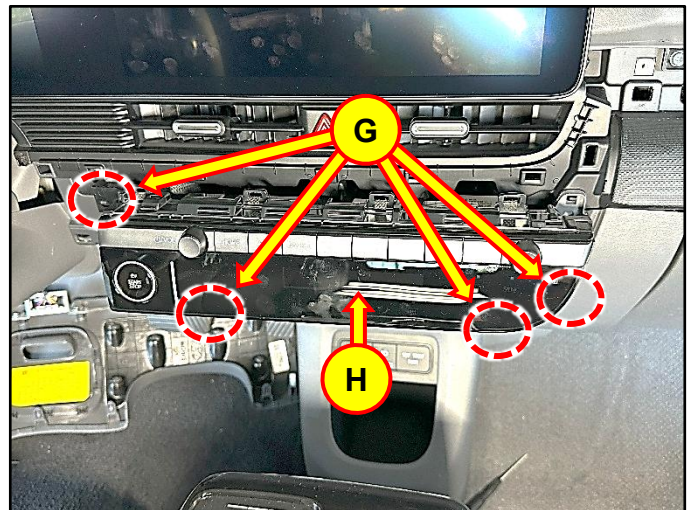
Use a plastic trim tool to prevent damage.



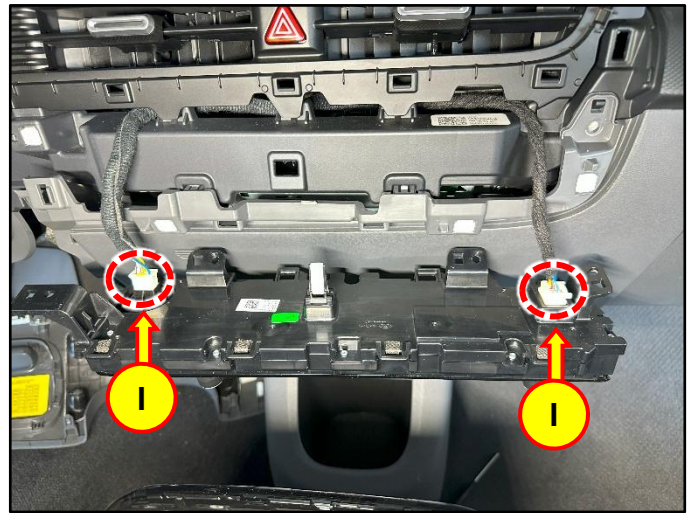
5. Remove 1 screw (E) then gently remove the crash pad garnish (F).



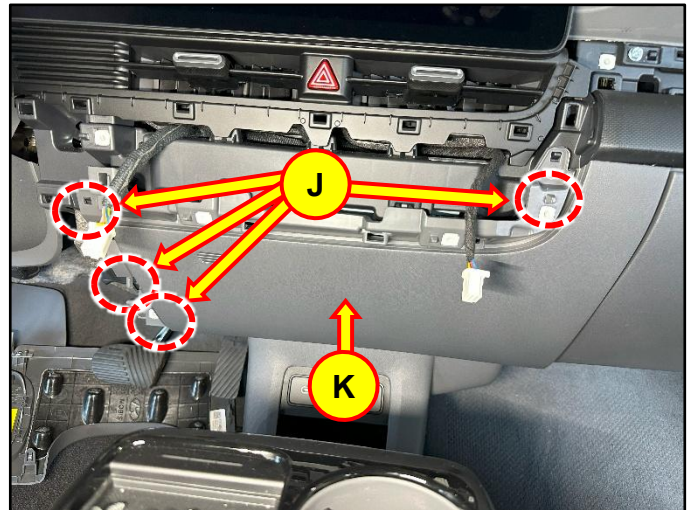
6. Remove 4 screws (G) then remove the infotainment keyboard (H).



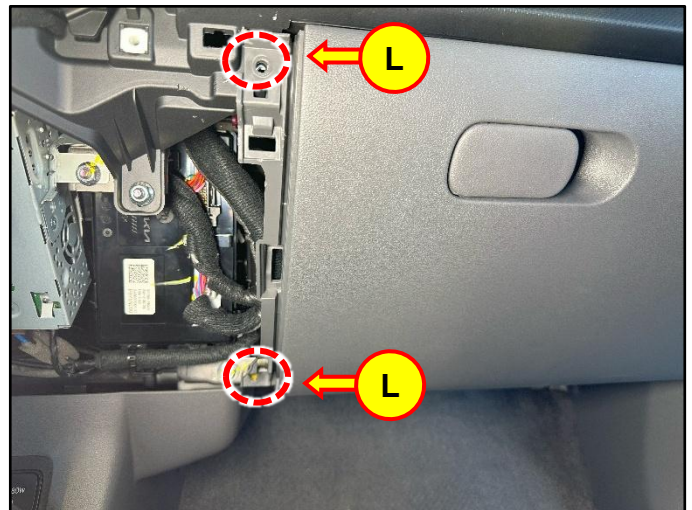
7. Disconnect the connectors (I) from the infotainment keyboard.



8. Remove 4 screws (J) to remove the center crash pad (K).



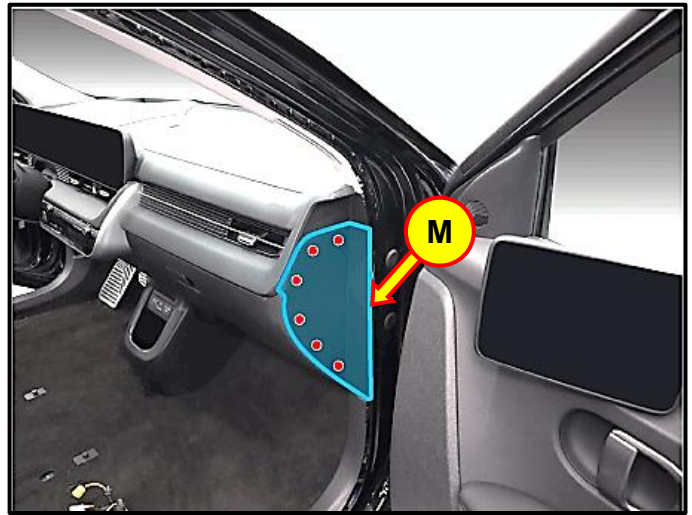
9. Remove 2 screws (L) on the left side of the glove box.



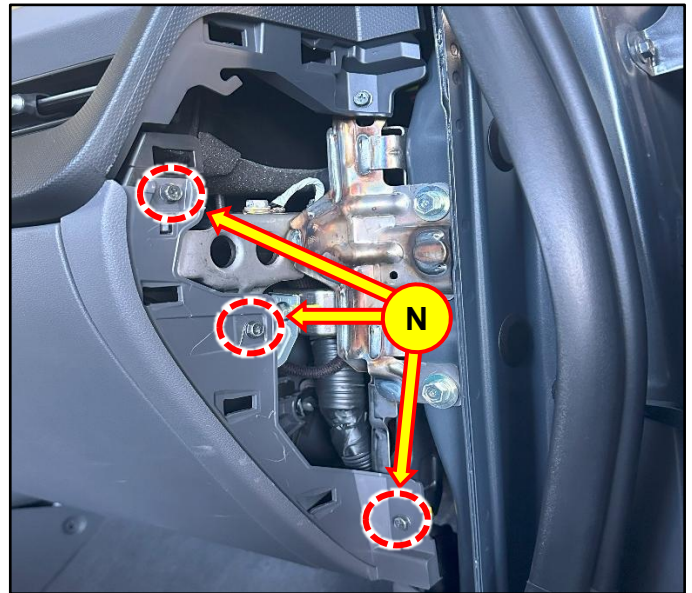
10. Remove the RH crash pad side cover (M).

**NOTICE**

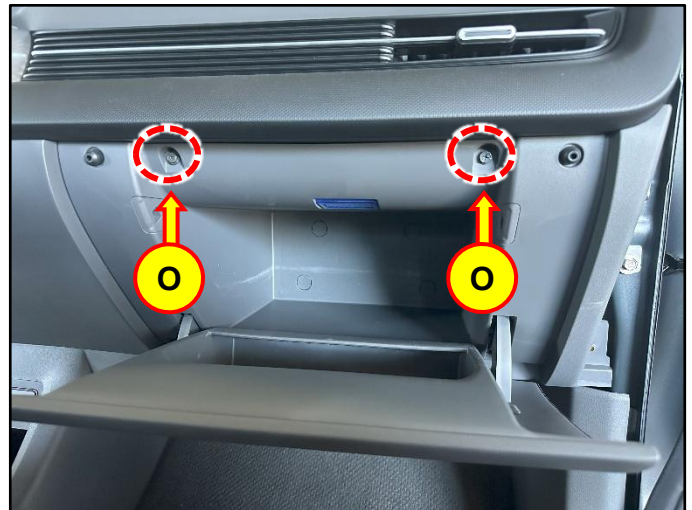
Use a plastic trim tool to prevent damage.



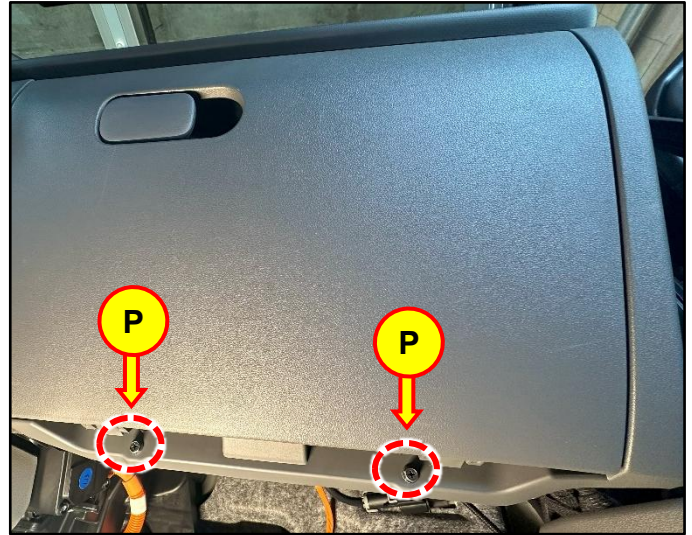
11. Remove **3** screws (N).



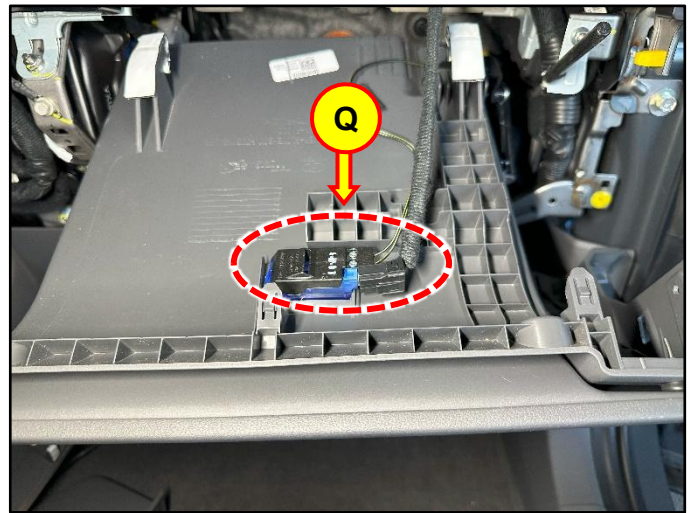
12. Open the glove box then remove **2** screws (O).



13. Remove **2** screws (P) then pull out the glove box.



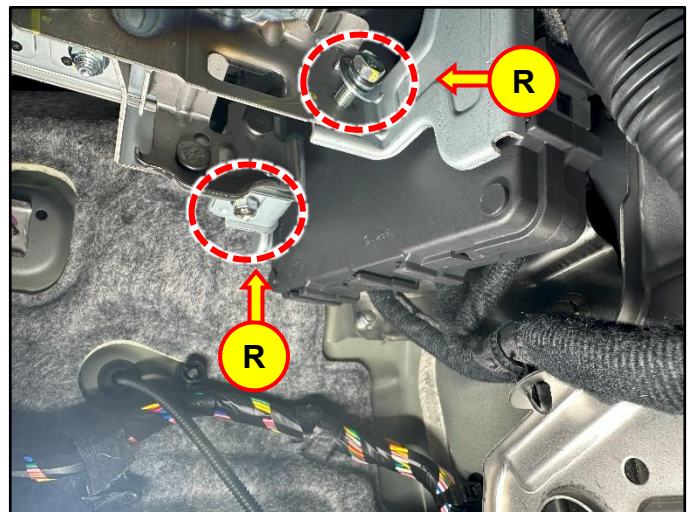
14. Disconnect the glovebox connector (Q).



15. Remove two **10 mm** bolts (R) from the BDC brackets.

**Tightening Torque:**

lb-ft	6.15
lb-in	74
N.m	8.4

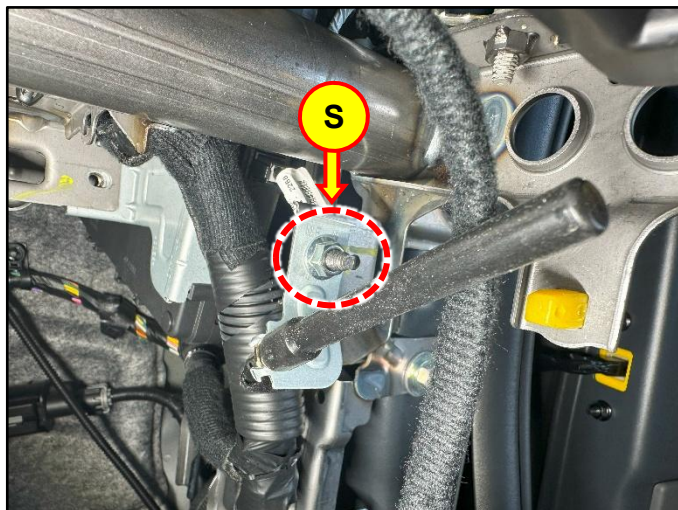


**SUBJECT:****NO START OR UNABLE TO ENTER READY MODE - BDC MODULE  
INSPECTION & REPLACEMENT**

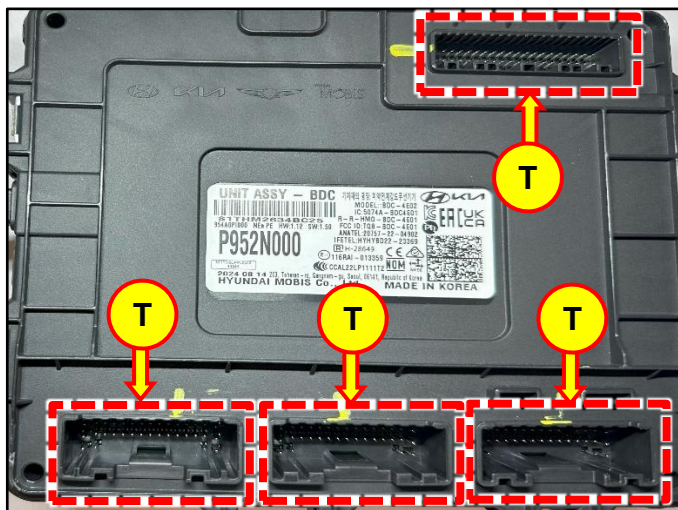
16. Remove the **10mm** nut (S) from the antenna bracket.

**Tightening Torque:**

lb-ft	6.15
lb-in	74
N.m	8.4



17. Carefully lower the BDC module then disconnect all connectors (T).



- 18.

**DIGITAL  
DOCUMENTATION**

Using the STUI camera function, take a photo of the original BDC module.

Upload the photo to STUI.

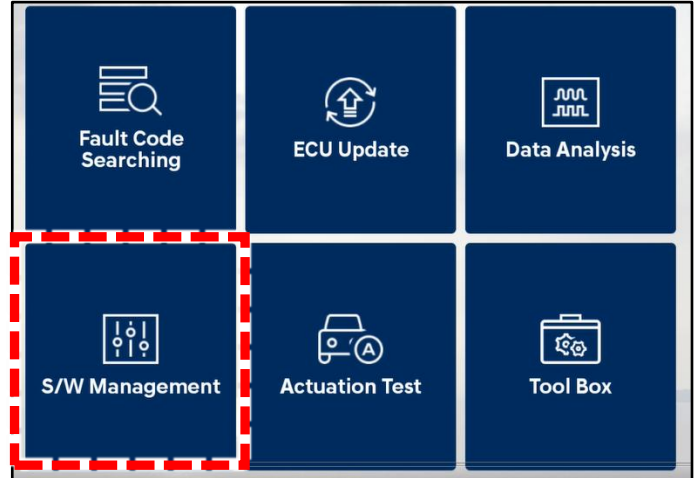
**NOTE:** If the STUI camera function is **NOT** used, write the last 6 digits of the VIN and date of repair on a piece of paper to include in the photo.



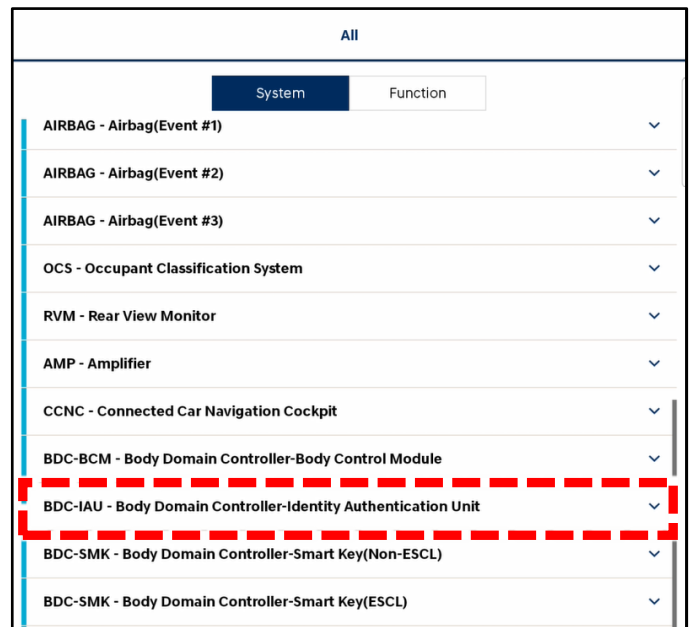
19. Install the new BDC module.
20. Reinstall all parts in the reverse order of the removal process.

**Key Fob Programming**

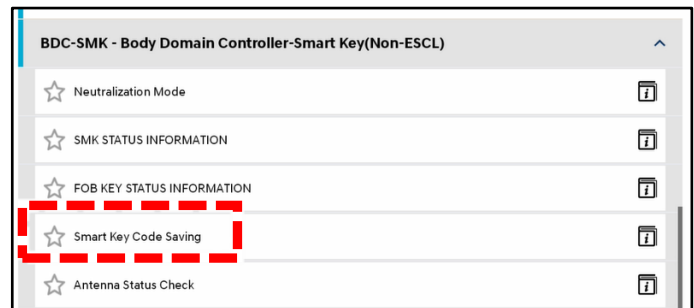
- 1. Connect the GDS then select **S/W Management**.



- 2. Select **BDC-SMK – Body Domain Controller-Smart Key(Non-ESCL)**.



- 3. Select **Smart Key Code Saving**.



4. Input the **PIN Code** then press **OK**.

**i Information**

Follow the instructions on the GDS screen to complete the two smart key fobs programming.

Refer to the Hyundai Service site to obtain the new Smart Key Fob PIN Code.

• [ Smart key code saving ]

Status : VIRGIN

Input PIN code and press [OK] button.

This function will be disabled for One hour if the PIN code is entered incorrectly three times. Try again after One hour.

Please enter carefully.

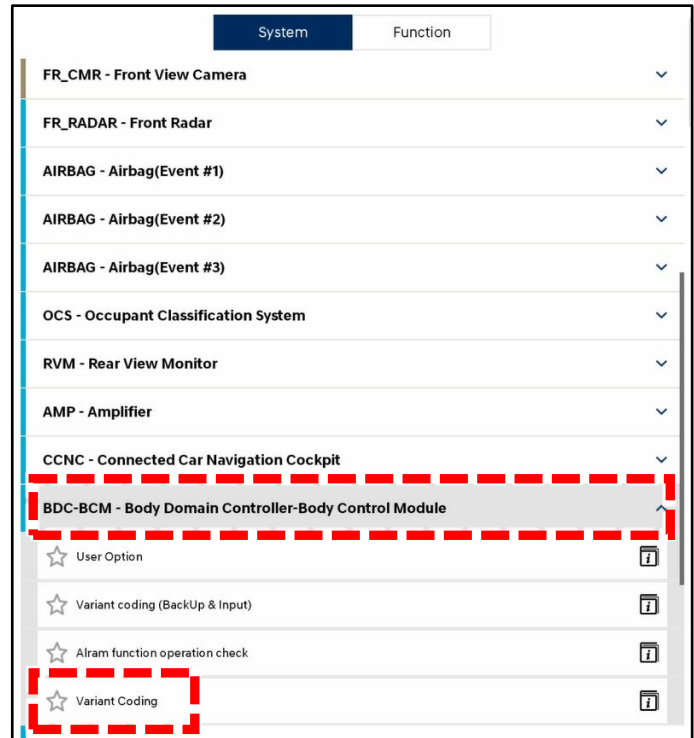


Key Code	X1596
PIN Code	(New)791545 / (Old)020202
Current Unique Successful Key/PIN Search Count	1
Daily Limit	10

**Close**

**BDC Variant Coding**

1. Select **BDC-BCM – Body Domain Controller-Body Control Module** then select **Variant Coding**.



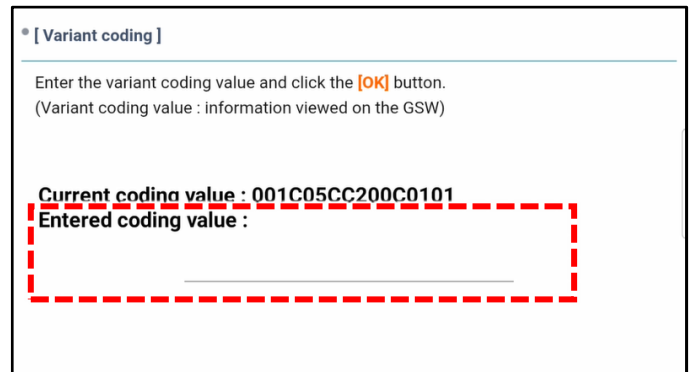
2. Input the **coding value**.

**i Information**

Locate the coding value (BDC PIN code) by going to:

- **Hyundai Service site > Search Variant Coding > Unit Assy I.B.U.**

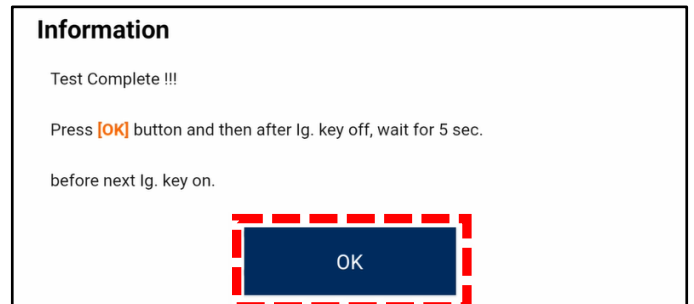
Follow the instructions on the GDS screen to complete the variant coding process.



3. Select **OK**.

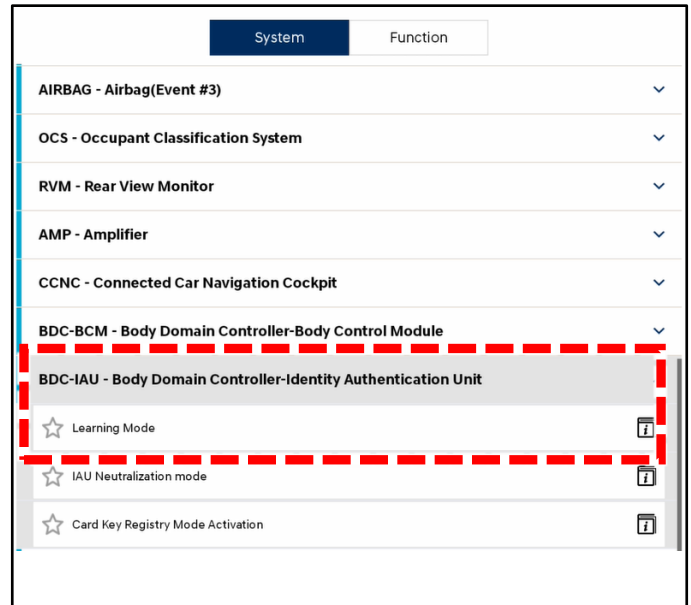
**i Information**

A pop-up message will appear once the Variant Coding is complete.

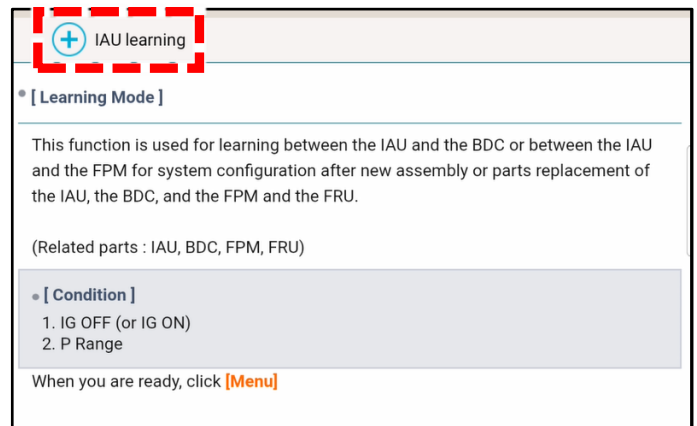


**IAU Teaching**

1. Select **BDC-IAU – Body Domain Controller-Identity Authentication Unit** then select **Learning Mode**.



2. Select **IAU Learning**.

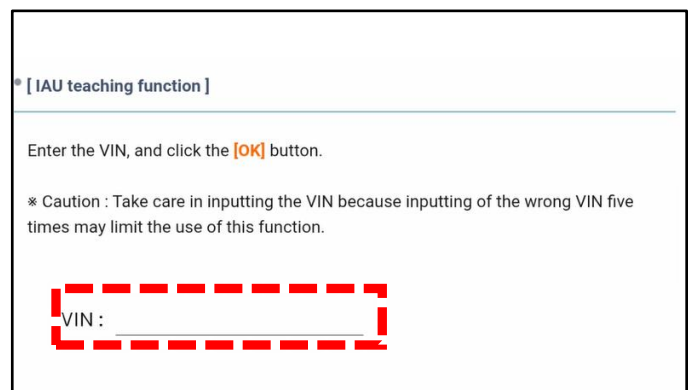


3. Input the **VIN**.



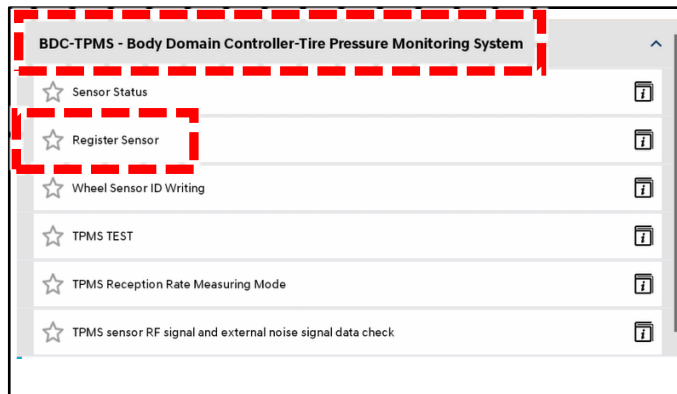
**Information**

Follow the instructions on the screen and input the correct VIN.



## TPMS Learning

1. Select **BDC-TPMS – Body Domain Controller-Tire Pressure Monitoring System** then select **Register Sensor**.



2. Follow the instructions on the GDS and use the TPMS Bluetooth Adapter to complete the TPMS learning process.



## Vehicle Operation Validation

1. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred during the BDC module replacement procedure.
2. Verify the following functions are operating normally:
  - All key fob functions.
  - Entering **START/STOP** mode by pressing the SSB using the key fob.
  - **NO** warning lights are displayed on the cluster.
3. The service procedure is now complete.