Technical Service Bulletin	GROUP RECALL	NUMBER 26-01-024G
	DATE FEBRUARY 2026	MODEL(S) SEE BELOW

SUBJECT: DTC P1A9096 CHECK FOR ICCU & FUSE REPLACEMENT & ICCU SOFTWARE UPDATE (RECALL 025G)

This TSB supersedes TSB 24-01-087G to update additional ICCU part numbers on page 2 and additional Op codes on page 4. ICCU "QQH" and "AQQH" parts are to be used interchangeably until "QQH" stock is depleted.

✶ IMPORTANT

Vehicle repairs related to safety recalls are critically important and must be performed properly in accordance with TSB procedures. Review this bulletin in its entirety prior to beginning any repair work.

As required by federal law, retailers must not deliver new vehicles for sale or for lease to guests until all open recalls have been performed. Retailers must also perform all open recalls on used vehicles, demo, and rental vehicles prior to placing them into guest use and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the "Vehicle Information" screen via WebDCS to identify open recalls.

Description: Certain GV60 (JW1 EV), GV70 Electrified (JK1A EV), and G80 Electrified (RG3 EV) vehicles are equipped with an Integrated Charge Control Unit (ICCU) which charges the vehicle's 12-volt auxiliary battery and powers low-voltage vehicle accessory equipment. The ICCU may be subject to certain electrical load conditions that can cause the internal metal-oxide semiconductor field-effect transistor (MOSFET) to fail, potentially resulting in an open ICCU fuse. An open ICCU fuse results in an inability to charge the 12-volt battery. Upon fault detection, and accompanied by a series of driver warnings, the vehicle will enter a design-intended "fail-safe" driving mode that allows immediate full propulsion while gradually reducing motive power over time as the vehicle's battery is discharged. If the vehicle is driven until the 12-volt battery state-of-charge is fully depleted, the vehicle will lose all motive power, potentially increasing the risk of a crash. Vehicle systems such as air bags, braking, and powered steering remain operational.

The Service Procedure Flowchart is outlined on page 7. If the DTC P1A9096 is not found, perform the ICCU software update ONLY. If the DTC P1A9096 is found, replace the ICCU and ICCU fuse and check the software version of the replacement ICCU. If the replacement ICCU does not have the latest software version, perform the ICCU software update. If the replacement ICCU has the latest software version, no further action is required.



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

Applicable Vehicles (Certain):

Model Year	Model	Production Dates
2023 – 2025	GV60 (JW1 EV)	02/04/2022 – 09/27/2024
2023 – 2025	GV70 Electrified (JK1A EV)	01/25/2023 – 11/09/2024
2023 – 2024	G80 Electrified (RG3 EV)	02/23/2022 – 08/22/2024

NOTICE

To avoid any potential damage to Genesis EVs, Genesis EV repairs can only be performed by EV certified Genesis retailers.

Parts Information:

Model	Part Name	Part Number	Remarks
GV60 (JW1 EV) (23MY)	ICCU Assy (Integrated Charge Control Unit)*	36400-1XCA0QQH	
		36400-1XCA0AQQH	
GV60 (JWI EV) (24-25MY)		36400-1XCA1QQH	
		36400-1XCA1AQQH	
GV70 Electrified (JK1A EV)		36401-1XDA0QQH	
		36401-1XDA0AQQH	
G80 Electrified (RG3 EV)		36401-1XBA0QQH	
		36401-1XBA0AQQH	
GV60 (JW1 EV)	Fuse – High Voltage*	375F2-GI040QQH	Order High Voltage Fuse in Conjunction with the ICCU
GV70 Electrified (JK1A EV)		18790-00728QQH	
G80 Electrified (RG3 EV)			
All	Pink, Antifreeze / Coolant	00232-19098	Up to 3.7 liters (1 gallon)

*As needed, only if DTC is stored.

NOTICE

Do NOT install fuse alone without ICCU replacement. If vehicle is placed in **Ready Mode** after replacing only the fuse and not the replacement ICCU, there is a possibility of DTC **P1B77** Battery PRA damage.

Information

Use ICCUs ending in "QQH" first if stock is available. If **NO** stock is available, use ICCU ending in "AQQH." "QQH" and "AQQH" parts are to be used interchangeably until stock of "QQH" is depleted.

SST Information:

Tool Name	Tool Number	Figure	Ordering Information
VCI 3	G0VPNNN006		Website: https://genesisessentialtools.com/ Email: Genesistools@snapon.com Phone: 1-855-763-6630 Hours: 7 AM – 7 PM CST
VCI 2	G1XDDMN002		

NOTE: VCI 2 can **NO** longer be ordered but can be used for the updates in this TSB.

GDS Information:

Model	System	Event Number*	Description
GV60 (JW1 EV) (23MY)	ICCU	1158	JW (23MY) ICCU Software Update, and ICCU and Fuse Replacement (Secondary)
GV60 (JW1 EV) (24MY)		1159	JW (24MY) ICCU Software Update, and ICCU and Fuse Replacement (Secondary)
GV70 Electrified (JK1A EV)		1160	JK EV ICCU Software Update, and ICCU and Fuse Replacement (Secondary)
G80 Electrified (RG3 EV)		1157	RG3 EV ICCU Software Update, and ICCU and Fuse Replacement (Secondary)

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

NOTE: Event #1159 states only "24MY", but this event applies to both 2024 and 2025MY.

Warranty Information:

Model	Op. Code	Operation	Op. Time	ICCU Installed	Nature Code	Cause Code
All	41D226R0	DTC Check (**NO** P1A9096) and ICCU Software Update	0.4 M/H	N/A	W11	ZZ3
GV60 (JW1 EV)	41D226R1	DTC Check (**YES** P1A9096), ICCU & Fuse Replacement and Replaced ICCU (Latest Software Version (**YES**))	2.1 M/H	36400-1XCA0QQH (23MY) 36400-1XCA0QQH (24-25MY)		
	41D226R2	DTC Check (**YES** P1A9096), ICCU & Fuse Replacement, Replaced ICCU (Does **NOT** Have Latest Software Version), and ICCU Software Update	2.4 M/H			
GV70 Electrified (JK1A EV) and G80 Electrified (RG3 EV)	41D226R3	DTC Check (**YES** P1A9096), ICCU & Fuse Replacement and Replaced ICCU (Latest Software Version (**YES**))	3.3 M/H	36401-1XDA0QQH (GV70 Electrified) 36401-1XBA0QQH (GV80 Electrified)		
	41D226R4	DTC Check (**YES** P1A9096), ICCU & Fuse Replacement, Replaced ICCU (Does **NOT** Have Latest Software Version), and ICCU Software Update	3.6 M/H			
Use with superseded AQQH parts						
GV60 (JW1 EV)	41D226R5	DTC Check (**YES** P1A9096), ICCU & Fuse Replacement and Replaced ICCU (Latest Software Version (**YES**))	2.1 M/H	36400-1XCA0AQQH (23MY) 36400-1XCA0AQQH (24-25MY)	W11	ZZ3
	41D226R6	DTC Check (**YES** P1A9096), ICCU & Fuse Replacement, Replaced ICCU (Does **NOT** have Latest Software Version), and ICCU Software Update	2.4M/H			
GV70 Electrified (JK1A EV) and GV80 Electrified (RG3 EV)	41D226R7	DTC Check (**YES** P1A9096), ICCU & Fuse Replacement and Replaced ICCU (Latest Software Version (**YES**))	3.3 M/H	36401-1XDA0AQQH (GV70 Electrified) 36401-1XBA0AQQH (GV80 Electrified)		
	41D226R8	DTC Check (**YES** P1A9096), ICCU & Fuse Replacement, Replaced ICCU (Does **NOT** have Latest Software Version), and ICCU Software Update	3.6 M/H			

NOTE 1: Submit claim on Claim Entry Screen as “Campaign” type.
NOTE 2: 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.
NOTE 3: This TSB includes repair validation photos. Op times include VIN, Mileage, and Repair validation photo(s) 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: Op Codes 41D226R1 through 41D226R8 include reimbursement of coolant (up to 3.7 liters/1 gallon).

ROM ID Information:

Model	Event	System	ECU Part Number	ROM ID	
				Current	Latest
GV60 (JW1 EV) (23 MY)	1158	ICCU	36401-1XCA0	EJW1E1-IDS02R000	EJW1E3-IDS10R000
				EJW1E1-IDS03R000	
				EJW1E1-IDS04R000	
				EJW1E1-IDS05R000	
				EJW1E3-IDS06R000	
				EJW1E3-IDS07R000	
				EJW1E3-IDS09R000	
GV60 (JW1 EV) (24-25MY)	1159		36401-1XCA1	EJW1E4-IDS03R000	EJW1E4-IDS06R000
				EJW1E4-IDS05R000	
GV70 Electrified (JK1A EV)	1160		36401-1XDA0	EJK1E1-IDS01R000	EJK1E3-IDS07R000
				EJK1E1-IDS02R000	
				EJK1E3-IDS03R000	
				EJK1E3-IDS04R000	
				EJK1E3-IDS06R000	
G80 Electrified (RG3 EV)	1157		36401-1XBA0	ERG3E1-IDS01R000	ERG3E3-IDS10R000
				ERG3E1-IDS02R000	
				ERG3E1-IDS51R000	
				ERG3E1-IDS04R000	
				ERG3E1-IDS05R000	
				ERG3E3-IDS06R000	
				ERG3E3-IDS07R000	
				ERG3E3-IDS09R000	

Service Procedure:

DIGITAL DOCUMENTATION

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

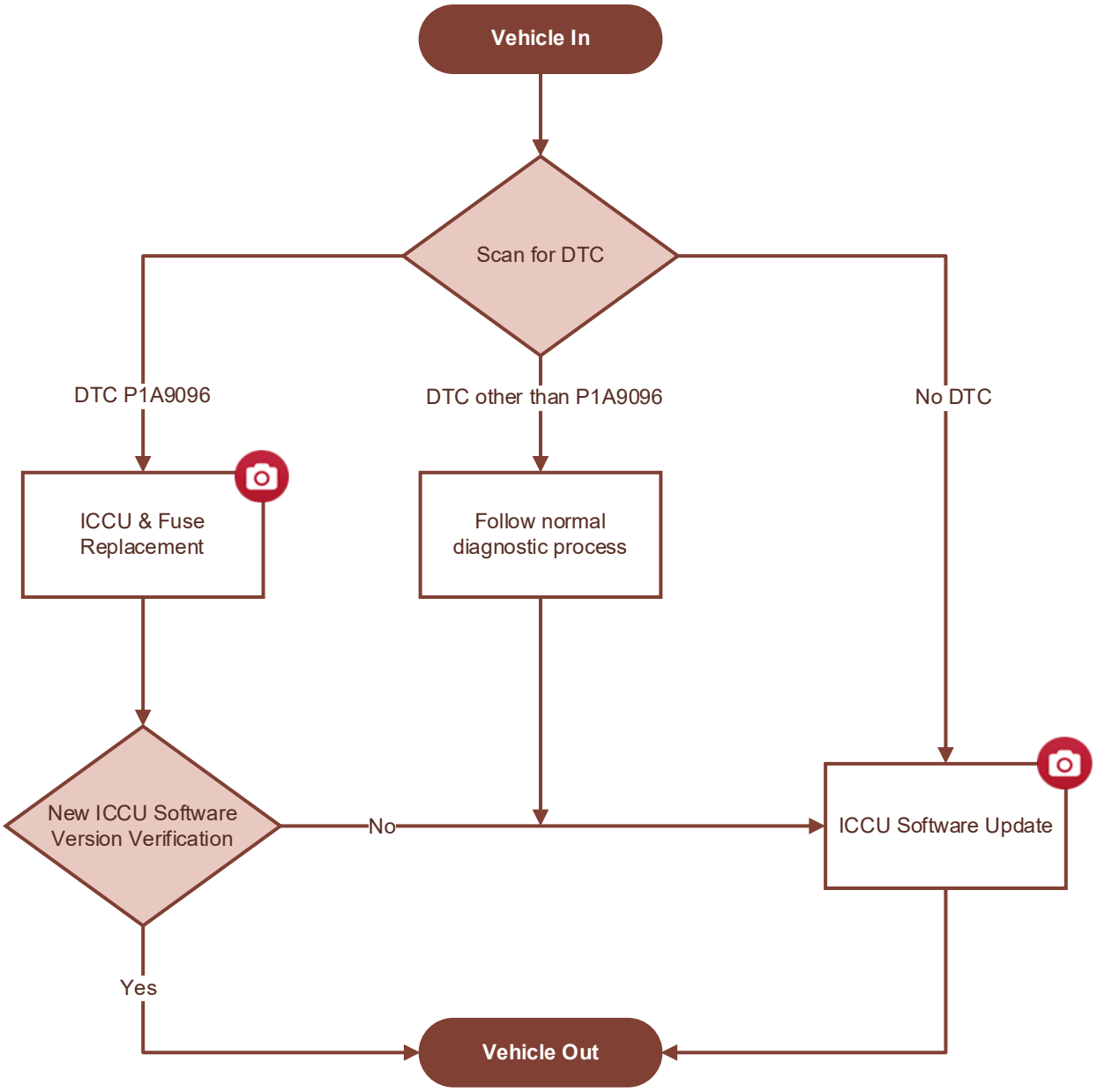
NOTICE

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

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A. Flowchart


Vehicle In
Scan for DTC
DTC P1A9096
DTC other than P1A9096
No DTC
ICCU & Fuse Replacement
Follow normal diagnostic process
New ICCU Software Version Verification
No
ICCU Software Update
Yes
Vehicle Out

B. DTC Check

1. Use GDS to perfrom an **All Fault Search** on the ICCU system for **DTC P1A9096** for either activbe or stored DTC within the history:
   - **NOT DETECTED** – (**DTC P1A9096** is **NOT** stored):
     - Perform ICCU software update – see **Section C (Submit 41D226R0, 0.4 M/H)**

Information

If any other DTC or symptom is found stored, diagnose and repair per shop manual **before** performing the ICCU Update (Warranty claim).

   - **DETECTED** – (**DTC P1A9096** is stored)
     - Replace ICCU and Fuse:
       - GV60 (JW1 EV) – see **Section D**
       - GV70 Electrified (JK1A EV) – see **Section E**
       - G80 Electrified (RG3 EV) – see **Section E**
     - Check if the new ICCU has latest software version:
       - **NOT** latest software – Update ICCU software.
         - GV60 (JW1 EV) –
           For QQH: Submit 41D226R2
           For AQQH: Submit 41D226R6
         - GV70 Electrified (JK1A EV) G80 Electrified (RG3 EV) –
           For QQH: Submit 41D226R4, 3.6 M/H
           For AQQH: Submit 41D226R8, 3.6 M/H
       - **LATEST SOFTWARE** – The service procedure is now complete.
         - GV60 (JW1 EV)
           For QQH: Submit 41D226R1, 2.1 M/H
           For AQQH: Submit 41D226R5, 2.1 M/H
         - GV70 Electrified (JK1A EV), G80 Electrified (RG3 EV)
           For QQH: Submit 41D226R3, 3.3 M/H
           For AQQH: Submit 41D226R7, 3.3 M/H

NOTICE

Replace the high-voltage fuse in conjunction with the ICCU. Failure to do so may result in PRA damage.

When performing repairs, it is **critical** to ensure the ICCU and high-voltage fuse are replaced simultaneously. Damage to the PRA may occur if the vehicle is in **Ready Mode** without the replacement ICCU part installed.

Information

If any other DTC or symptoms are found, diagnose and repair them per the shop manual before performing the ICCU update.

C. ICCU Software Update

NOTICE

Perform the GDS ECU update in Auto Mode.

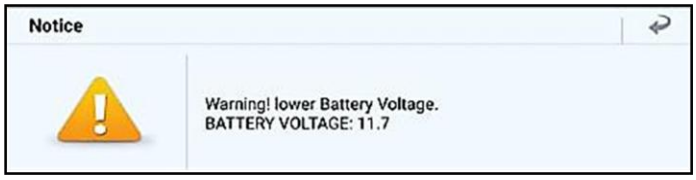
- If the ECU update fails in Auto Mode, perform the update in Manual Mode to recover.

NOTICE

Ensure the vehicle's battery charge is **above 11.0 Volts** and the tablet's battery charge is **above 30%** before performing a software update to avoid failure.

NOTICE

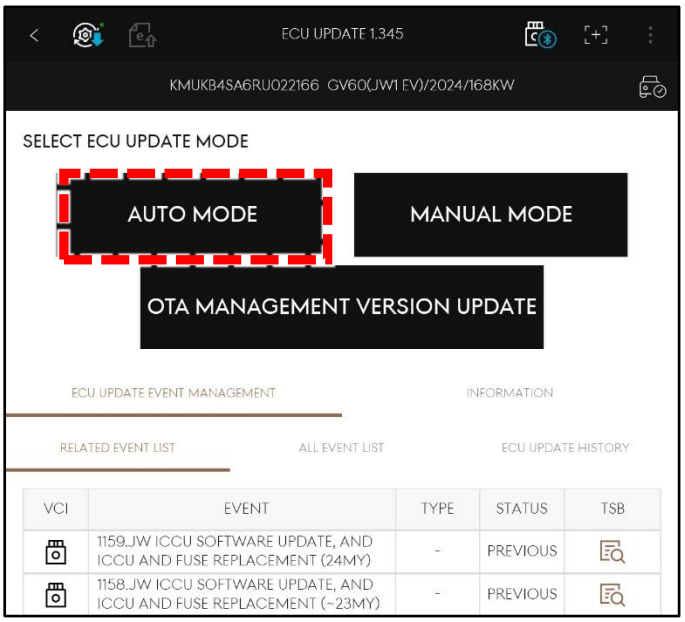
GDS Vehicle Battery Low Voltage Warning:
If voltage is below 12 volts per the GDS warning, then select **Back** and attach a battery charger to ensure an adequate battery charge for reliable update results. Turn ignition back **ON**, and then retry the ECU update again.



Information

- Turn **OFF** all lamps (do **NOT** leave head lamp switch in auto mode) and accessories.
- Perform update with the ignition switch in the **ON** position.
- Do **NOT** disconnect any cables connected to the vehicle or scan tool during the update.
- Do **NOT** start the engine OR place in **Ready** mode during the update.
- Do **NOT** turn **OFF** the ignition switch during the update.

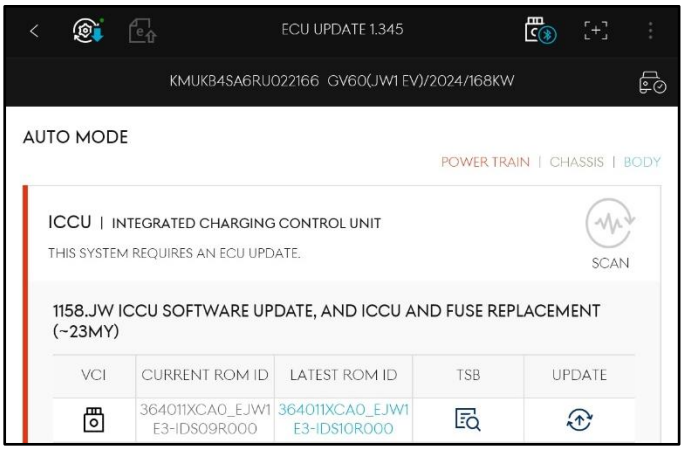
1. Perform the ICCU update in **Auto Mode**.



Information

Refer to **TSB # 25-GI-020G**, "**ECU Update Procedure for Tablet-Based Genesis Smart**", for additional information.

2. Verify the ROM ID by selecting the **ICCU** system to scan the vehicle's current ROM ID.



NOTICE

Check the current ROM ID version and compare it to the ROM ID Information table before attempting to perform the software update.

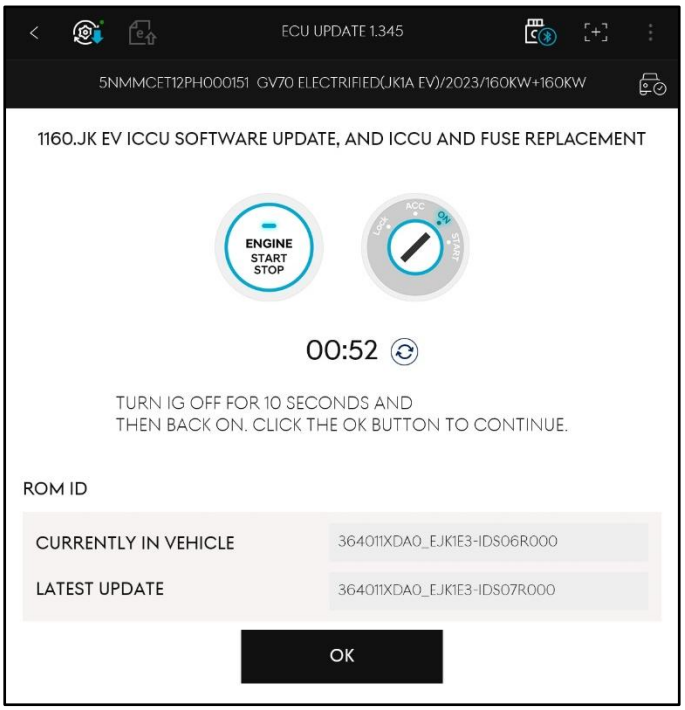
NOTICE

If the update fails, remove the power connector from the in-cabin fuse box for at least **5 seconds**. Alternatively, disconnect the negative (–) **12V** battery terminal and wait at least **5 seconds**. Reassemble and retry the update.

3. Once the ICCU update is 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to **30 seconds**).

Information

Use the **Refresh** button to reset the timer.

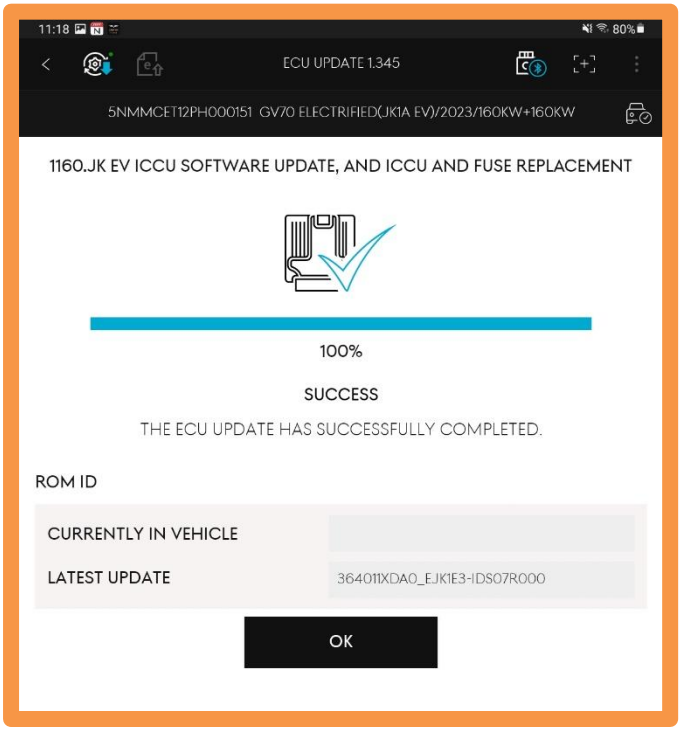


4. ***DIGITAL DOCUMENTATION***

Using the tablet or GDS screen capture function, take a screenshot of the ICCU Update “Success” result screen.

Upload the photo to STUI.

NOTE: The VIN/Date/Time/Mileage photo imprint is **NOT** required for GDS screenshots.



5. After the update, remove the power connector from the indoor fuse box, and reconnect it after **5 seconds**.

   Alternatively, remove the battery negative from the terminal and reconnect it after **5 seconds.**

JW1 Connector Location



JK1A and RG3 Connector Location



6. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ICCU update.

7. Place the vehicle in **Ready** mode to confirm proper operations.

Information

For multiple ECU updates, go back to the Auto Mode screen to view all updates available in one screen.

NOTICE

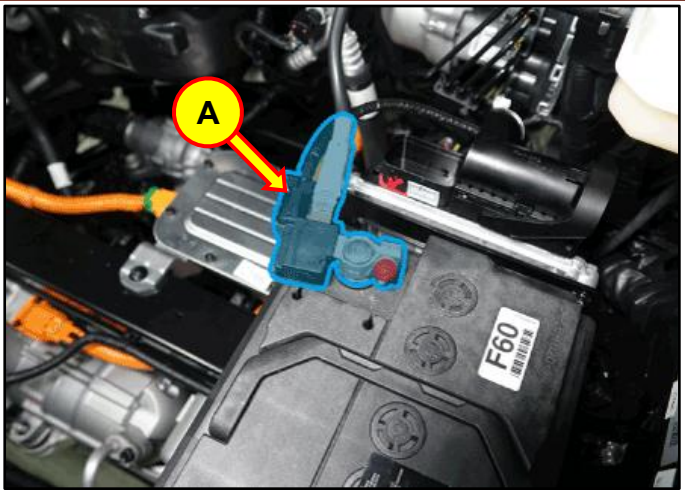
If the ECU update fails in Auto Mode, perform the update in Manual Mode using the password(s) below.

Manual Mode Password:

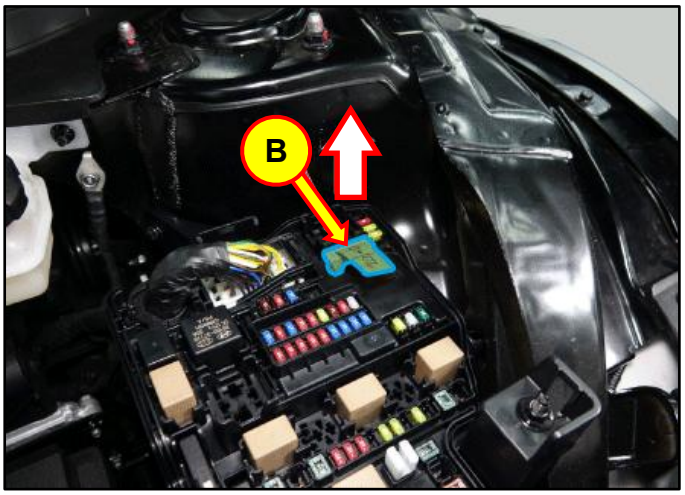
Event	ECM Menu	Password
1158	JW ICCU 36401-1XCA0 (~23MY)	8739
1159	JW ICCU 36401-1XCA1 (24MY/25MY)	4030
1160	JK EV ICCU 36401-1XDA0	5453
1157	RG3 EV ICCU 36401-1XBA0	7589

D. ICCU & Fuse Replacement for GV60 (JW1 EV)

1. Disconnect the auxiliary **12V** battery negative (–) terminal (A).



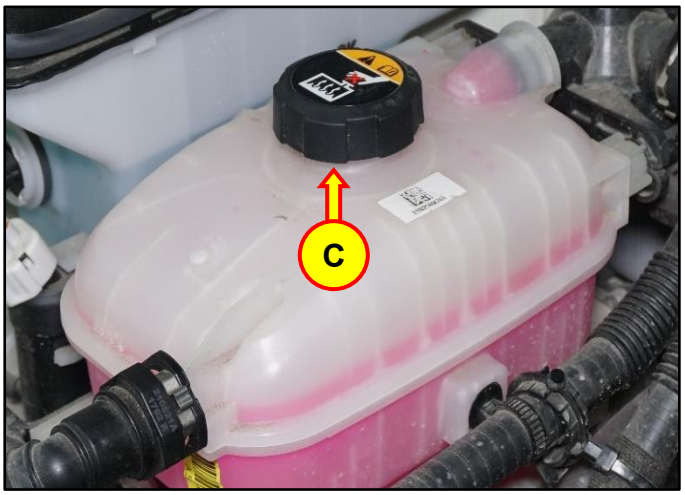
2. Disconnect the high voltage cut-off switch (B) in the direction of the arrow by referring to the shop manual:
   - **Battery Control System > High Voltage Shut-off Procedures**



⚠ CAUTION

Wait for more than **5 minutes** so that the capacitor in the high voltage system will be fully discharged.

3. Open the coolant reservoir tank cap (C) to release pressure.

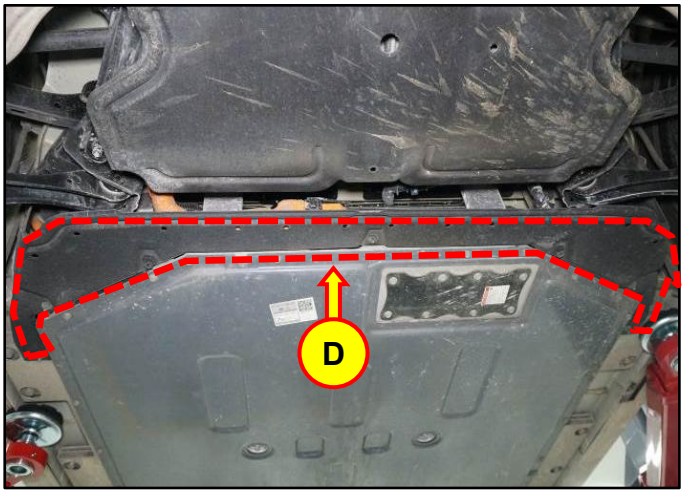


4. Lift the vehicle.

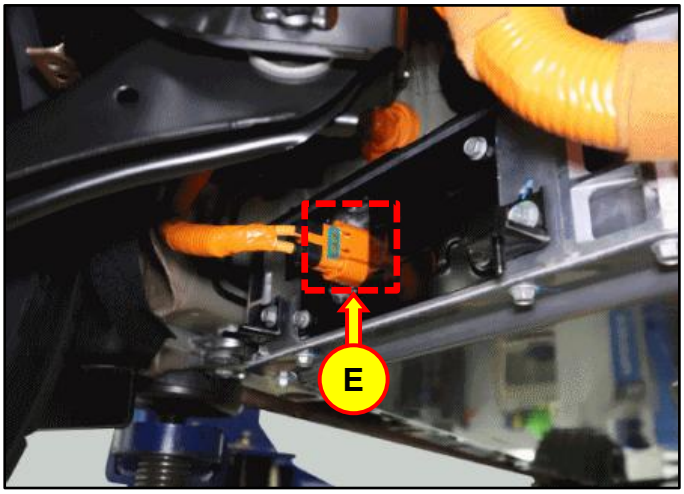
Remove the rear undercover bolts and remove the cover (D).

Tightening Torque:

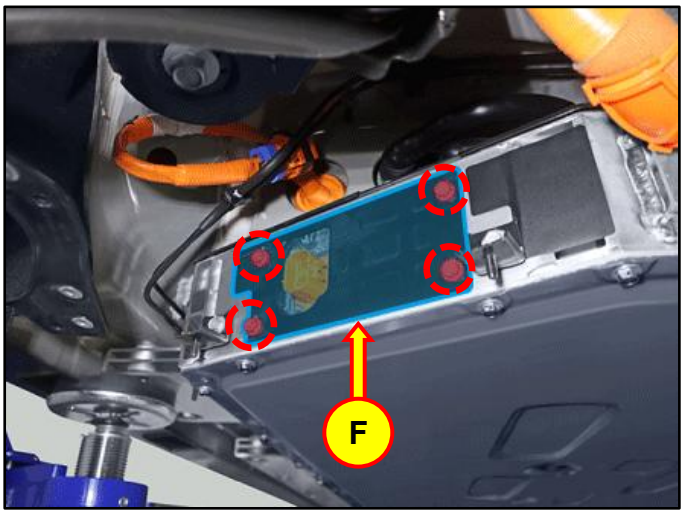
lb-ft	6.5
lb-in	78
N.m	8.8



5. Disconnect the ICCU high voltage connector (E).



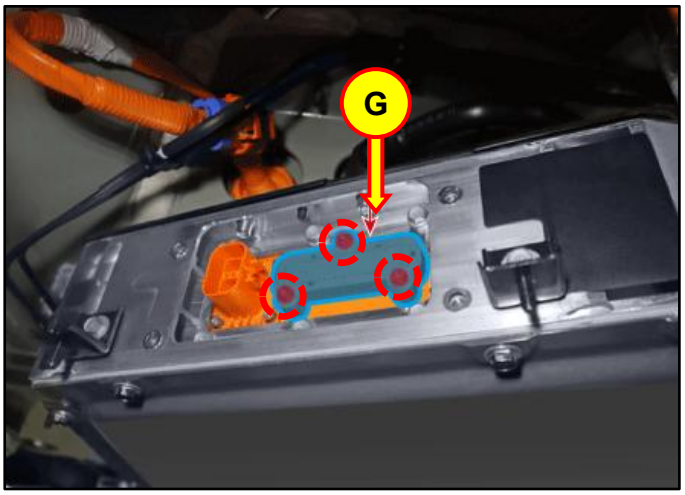
6. Loosen the **4** bolts and remove the ICCU high voltage connector assembly cover (F).



Tightening Torque:

lb-ft	7.3
lb-in	87
N.m	9.8

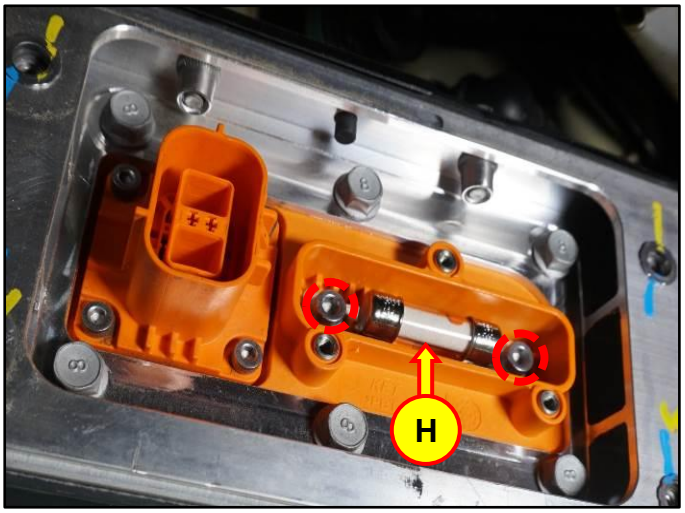
7. Using a T3 Hex bolt wrench, unscrew the **3** hex bolts and remove the ICCU fuse cover (G).



Tightening Torque:

lb-ft	2.2
lb-in	26
N.m	2.9

8. Using a T5 Hex bolt wrench, loosen the hex bolts fixed by fuses (**2 each**) and remove the ICCU fuse (H).



Replace the fuse with the newly provided one.

Reinstall all removed parts in the reverse order of the removal process.

Tightening Torque:

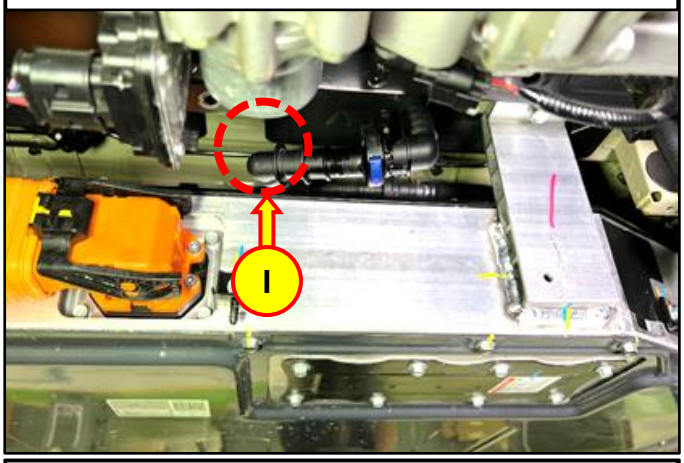
lb-ft	3.7
lb-in	44
N.m	4.9

9. Disconnect the rear coolant hose (I) and front coolant hose (J).

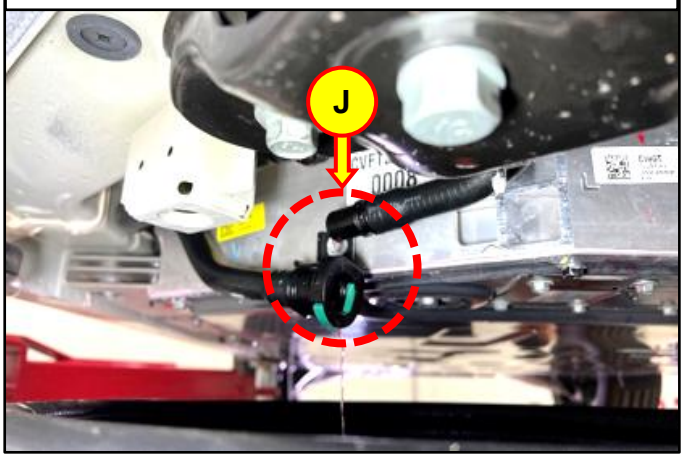
   Insert an air gun into the rear coolant hose (I) to blow out internal coolant of the ICCU as shown in the photo.

   The ICCU coolant will be drained through the front coolant hose (J).

Rear Side of Battery Pack



Front Side of Battery Pack

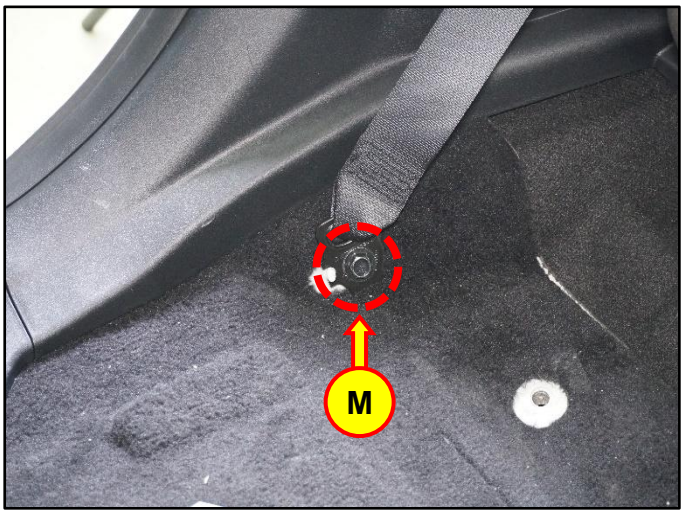


10. Remove the rear seat assembly by referring to the shop manual:
    Body (Interior / Exterior / Electrical) > Rear Seat > Rear Seat Assembly > Removal and Installation

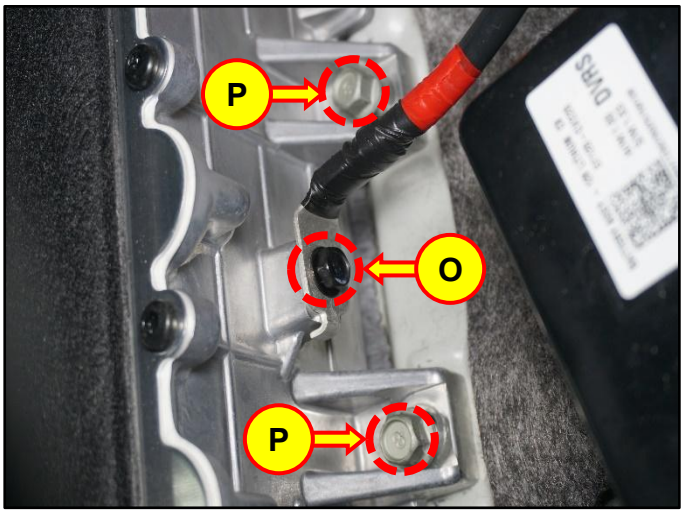
11. Remove the rear door LH/RH scuff trim by referring to the shop manual:
    Body (Interior / Exterior / Electrical) > Interior Trim > Door Scuff Trim > Removal and Installation

11.

12. Remove the LH/RH bolts (M) and remove the rear seat belt lower anchor.



13. Remove the LDC cable fixing bolt (O) and disconnect the cable,



Remove the **2** ICCU bolts (P).

Tightening Torque:

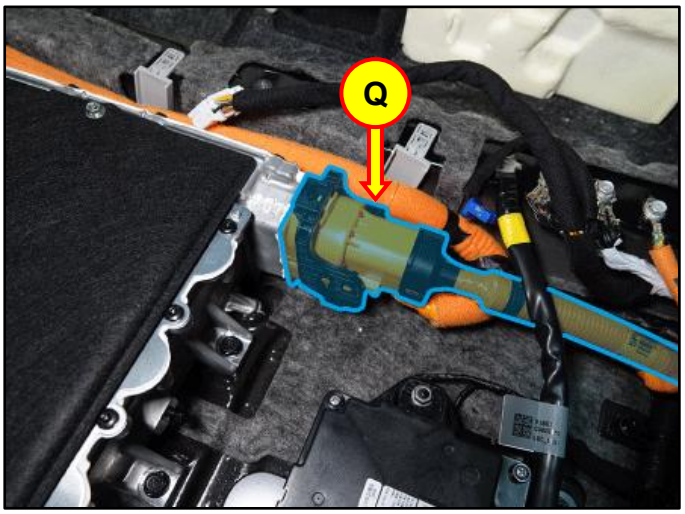
Bolt O:

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

Bolt P:

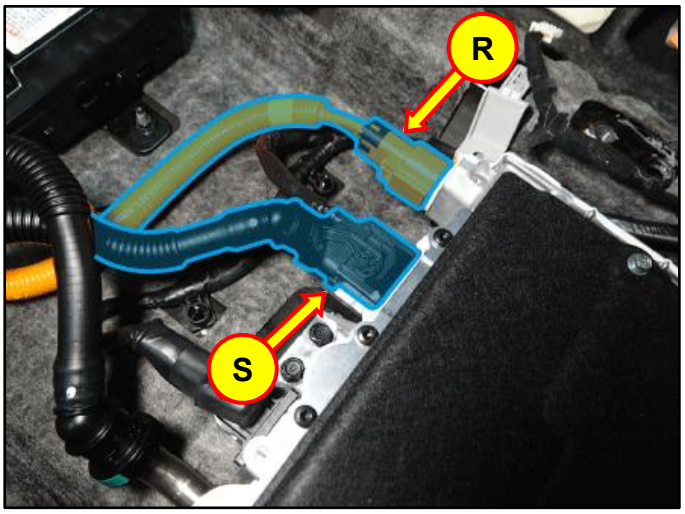
lb-ft	7.3
lb-in	87
N.m	9.8

14. Disconnect the ICCU AC connector (Q).



15. Disconnect the ICCU DC connector (R).

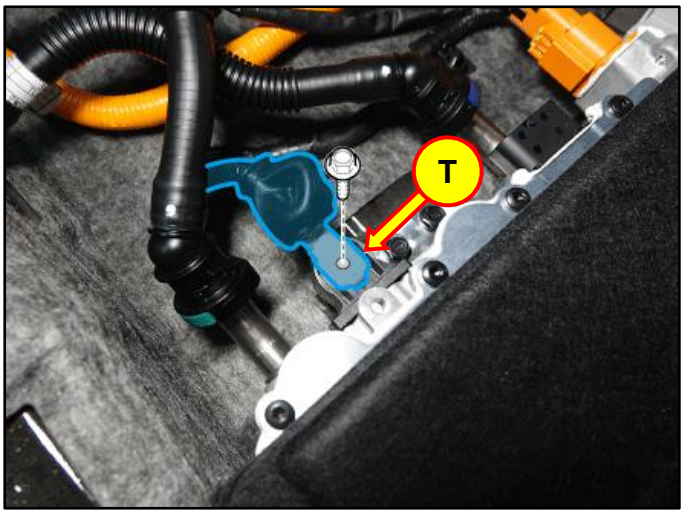
    Disconnect the ICCU signal connector (S).



16. Remove the bolt (T) securing the LDC to the ICCU.

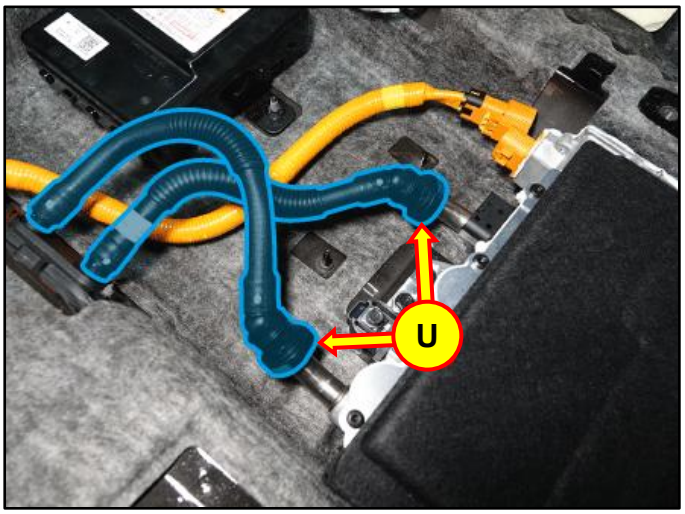
    Tightening Torque:

lb-ft	6.2
lb-in	74
N.m	8.4



17. Place absorbent mat on the floor

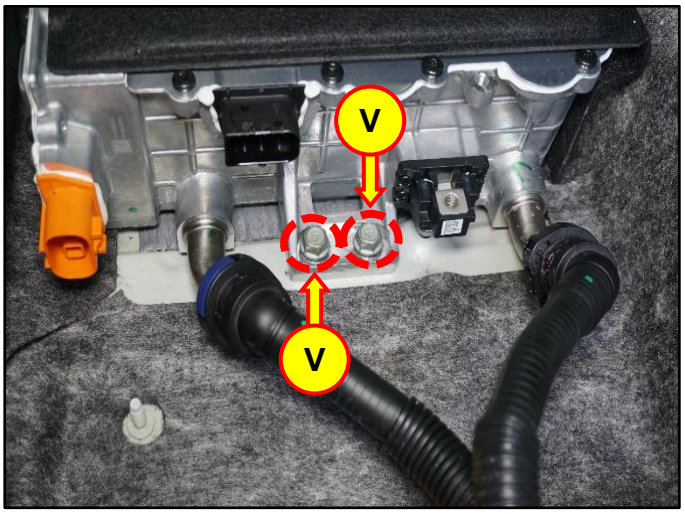
    Disconnect the coolant tube quick connectors (U).



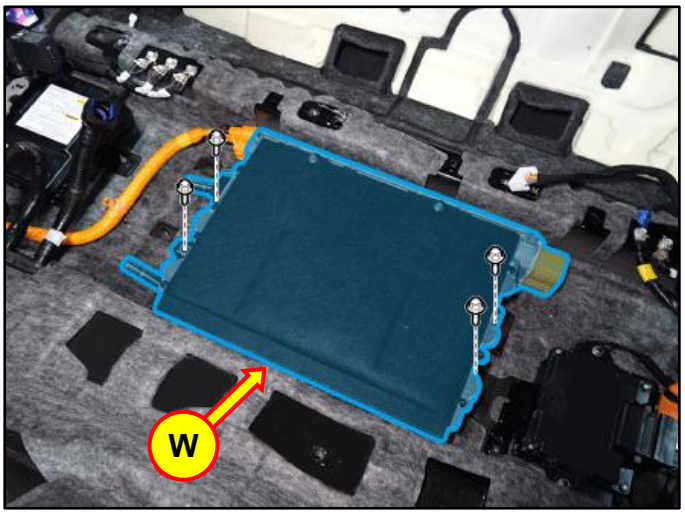
18. Loosen the **2** ICCU mounting bolts (V).

    Tightening Torque:

lb-ft	18
N.m	25



19. Remove the ICCU assembly (W) and replace it with the updated part.



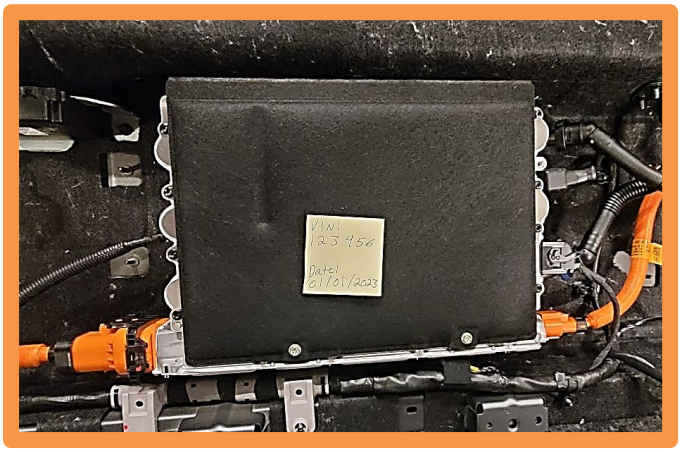
20.

DIGITAL DOCUMENTATION

Using the STUI camera function, take a photo of the new ICCU.

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.



21. Reinstall all parts in the reverse order of removal.

NOTICE

- Be sure to install all components according to specified torques.
- Be careful not to drop any components, as this may cause internal damage.

22. Refill the motor cooling system with coolant, then use the GDS to fully bleed out the air.

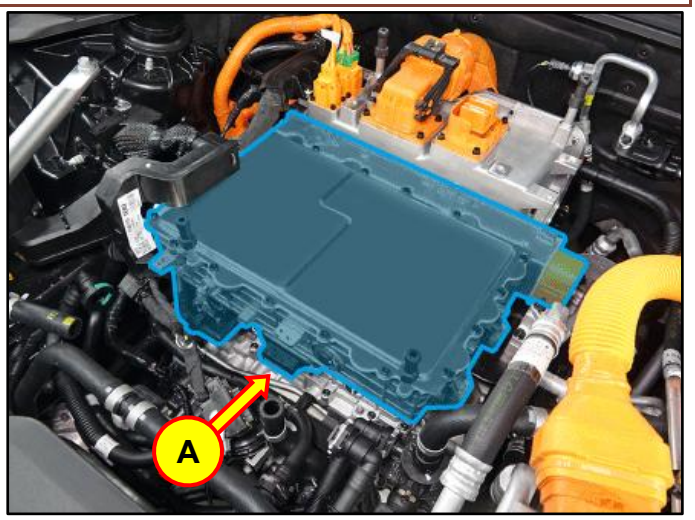
NOTICE

Do **NOT** reuse coolant that was drained from the vehicle. Doing this may bring foreign substances and impurities into the coolant system.

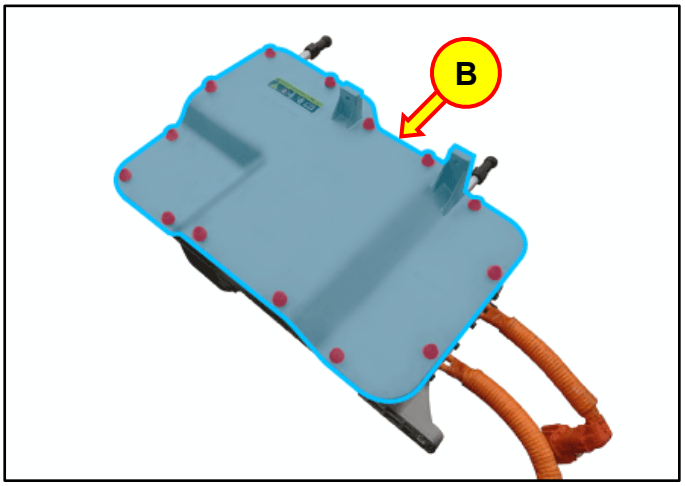
23. The service procedure is now complete.

E. ICCU & Fuse Replacement for GV70 Electrified (JK1A EV) and G80 Electrified (RG3 EV)

1. Remove the Integrated Charge Control Unit (ICCU) (A) by referring to the shop manual: **Battery Control System > High Voltage Charging System > Integrated Charge Control Unit (ICCU) > Removal**



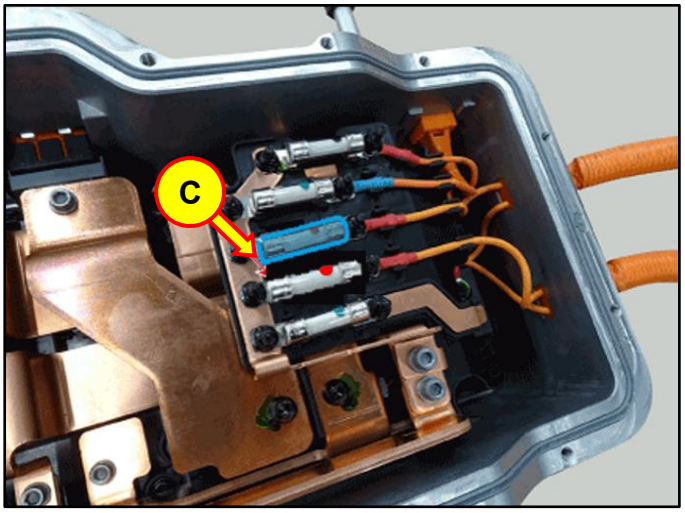
2. Remove the high-voltage junction block upper cover (B).



3. Remove the mounting nuts, then remove the ICCU fuse (C).

Tightening Torque:

lb-ft	3.6
lb-in	43
N.m	4.9



4. After removing the fuse, carefully clean the fuse mating surface prior to installation.



NOTICE

Any foreign substance in this area may cause poor contact between terminals.

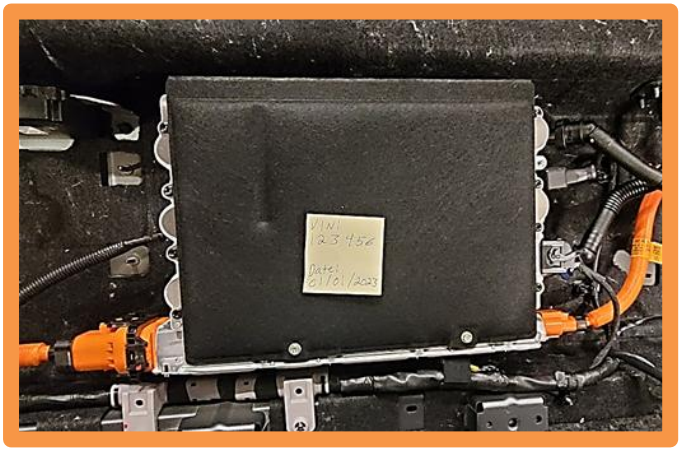
5. Install the replacement fuse for the ICCU.

6. ***DIGITAL DOCUMENTATION***

Using the STUI camera function, take a photo of the new ICCU.

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.



7. Reinstall all parts in the reverse order of the removal process.

7.

NOTICE

When installing the fuse, use a low-strength thread locker.

Ensure all parts are installed according to specified guidelines to avoid damage.

Handle parts with care to avoid any internal damage from accidental drops.

8. Refill the motor cooling system with coolant, then use the GDS to fully bleed out the air.

NOTICE

Do **NOT** reuse coolant that was drained from the vehicle which may pollute the coolant system with foreign substances and impurities.

9. The service procedure is now complete.