



GROUP	MODEL
ELE	2025MY EV6 (CVa) <u>and</u> 2026MY EV9 (MVa)
NUMBER	DATE
396	September 2025

## TECHNICAL SERVICE BULLETIN

SUBJECT:

### PLUG AND CHARGE LOGIC IMPROVEMENT

This bulletin provides information to upgrade the Central Communication Unit 'CCU' and Power Transfer Communication Module 'PCM' system software on certain 2025MY EV6 (CVa) vehicles produced from September 9, 2024 through September 4, 2025, and 2026MY EV9 (MVa) vehicles produced from September 30, 2024 through September 12, 2025 built at a Kia assembly plant in the US, that have either failed the Over-The-Air (OTA) software upgrade or in cases where Kia Connect is not available to the customer. This update provides certain EV6 (CVa) and EV9 (MVa) with the Plug and Charge (PnC) feature that simplifies the process of charging electric vehicles (EVs) by automating authentication and payment. It allows drivers to simply plug their vehicle into a compatible charging station, and the charging process starts automatically without needing to use an app, card, or other form of authentication. Follow the procedure outlined in this publication to apply the improved logic to the 'CCU' and 'PCM' systems using the KDS ECU Upgrade function as described in this bulletin.

Refer to [SST081](#) for software upgrade instructions using Kia Diagnostic System (KDS) tablet, VCI-II and ECI adapter and confirm the Upgrade Event Numbers/Names, ROM ID Information, and Manual Mode passwords (if applicable) on the applicable vehicle.

This software upgrade may also be available via an Over-the-Air (OTA) update on vehicles with an 'active' Kia Connect subscription.



#### NOTICE

**A Technical Service Bulletin is a field fix repair program without customer notification that may be performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.**

Refer to [TSB SST081](#) for instructions to upgrade the following three (3) systems:

**CCU AP + CCU MCU + PCM**

### ❗ IMPORTANT

The software update may also be available via **Over-The-Air (OTA)** upgrade feature through an 'active' Kia Connect account for customers. An OTA software upgrade may not be available at the time a TSB publication is released. Dealers can confirm OTA availability by checking for OTA release notes on the Kia [Owners Portal: OTA Software Update Release Notes](#). If the affected vehicle had the latest software installed via OTA, no further action is required by the dealer.

**Note: An OTA installed software is time-stamped for each VIN.**

To correct this condition, the specified system module should be reprogrammed using KDS as described in this bulletin in 'Auto Mode'.

Upgrade Event Name
833.CV1a CCU Operation Logic Improvement (Unit1_AP)
834. CV1a CCU Operation Logic Improvement (Unit2_MCU)
835.CV1a PCM Operation Logic Improvement
836.MV1a CCU Operation Logic Improvement (Unit1_AP)
837.MV1a CCU Operation Logic Improvement (Unit2_MCU)
838.MV1a PCM Operation Logic Improvement

### 📄 NOTICE


- Confirm a fully charged battery (12.3 volts or higher is necessary) is used or utilize a fully charged jump starter box connected to the battery.
- **Ensure the KDS GDS is sufficiently charged at 60% or higher prior to reflash.**
- All ECU upgrades must be performed with the ignition set to the 'ON' position unless otherwise stated.
- **Damaged VCI II units should not be used and promptly replaced.**
- Be careful not to disconnect the VCI-II connected to the vehicle during the ECU upgrade procedure.
- **DO NOT start the engine during ECU upgrade.**
- DO NOT turn the ignition key 'OFF' or interrupt the power supply during ECU upgrade.
- **When the ECU upgrade is completed, turn the ignition 'OFF' and wait 10 seconds before starting the engine.**
- ONLY use approved ECU upgrade software designated for the correct application.

**Connect the negative (-) terminal to the battery as shown below.**



SUBJECT:


**SUBJECT PLUG AND CHARGE LOGIC IMPROVEMENT****ROM ID Information Table:****NOTICE**

Before attempting an ECU upgrade on any Kia model, make sure to first determine whether the applicable model is equipped with an immobilizer  security system. Failure to follow proper procedures may cause the PCM to become inoperative after the upgrade and any claims associated with this repair may be subject to chargeback.

**IMPORTANT**


It is recommended to ALWAYS check the Electronic Parts Catalog (EPC) to locate the ECU Part Number respective to Auto/Manual Mode ROM IDs. DO NOT reference the parts label affixed to the ECU.

**Upgrade Event #833**

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
CVa	CCU AP	Yes	91920 CV000	1.34.91	2.34.03


To verify the vehicle is affected, be sure to check the Calibration Identification of the vehicle's ECM ROM ID and reference the Information Table as necessary.

**Upgrade Event #834**

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
CVa	CCU MCU	Yes	91920 CV000	1.34.03	1.34.09

To verify the vehicle is affected, be sure to check the Calibration Identification of the vehicle's ECM ROM ID and reference the Information Table as necessary.


**Upgrade Event #835**

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
CVa	PCM	Yes	35000 1XFN1	CVEP-S01RA CVEP-S02RA CVEP-S03RA CVEP-S04RA	CVEP-S05RA

To verify the vehicle is affected, be sure to check the Calibration Identification of the vehicle's ECM ROM ID and reference the Information Table as necessary.




**Upgrade Event #836**

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
MVa	CCU AP	Yes	91920 DO130	1.42.13 1.42.27 1.42.37	1.42.47


To verify the vehicle is affected, be sure to check the Calibration Identification of the vehicle's ECM ROM ID and reference the Information Table as necessary

**Upgrade Event #837**

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
MVa	CCU MCU	Yes	91920 DO130	1.42.01 1.42.03	1.42.07

To verify the vehicle is affected, be sure to check the Calibration Identification of the vehicle's ECM ROM ID and reference the Information Table as necessary

**Upgrade Event #838**

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
MVa	PCM	Yes	35000 1XHNO	MVEPNS01RA MVEPNS02RA MVEPNS03RA	MVEPNS04RA

To verify the vehicle is affected, be sure to check the Calibration Identification of the vehicle's ECM ROM ID and reference the Information Table as necessary

SUBJECT:

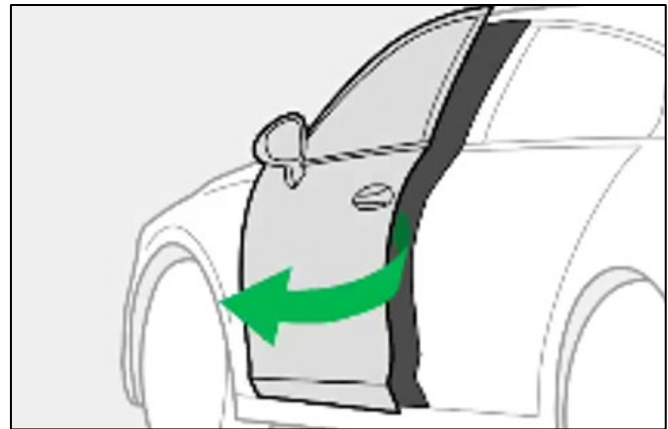
## SUBJECT PLUG AND CHARGE LOGIC IMPROVEMENT

Service Mode Procedure : **EV6 (CVa) ONLY**

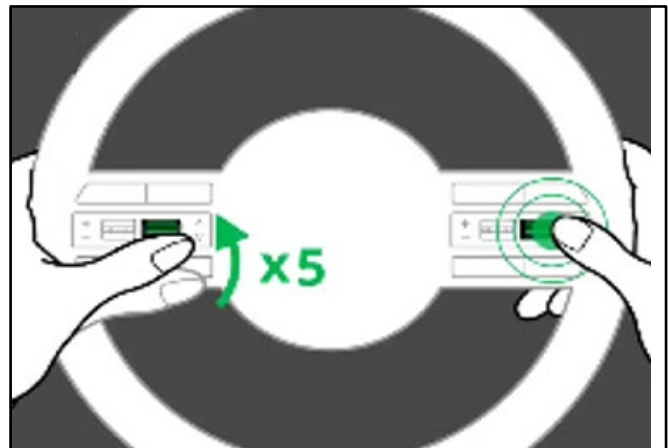
1. Power the vehicle 'ON'.



2. Open the driver front door.

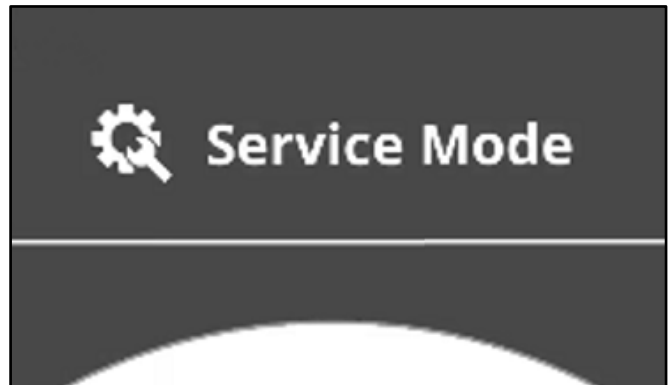


3. While holding the right side 'MUTE' button on the steering wheel, press the left 'UP/DOWN' button UPWARDS five (5) times.



4. Confirm the vehicle is in 'Service Mode'.

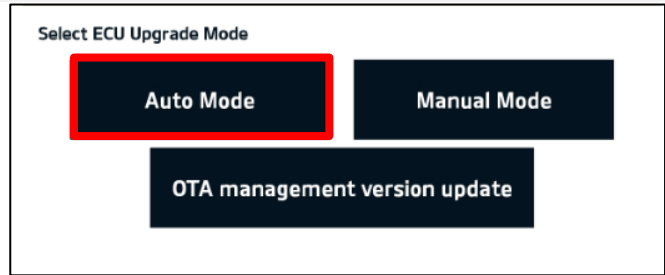
5. Proceed to the 'Software Information' on page 6.



## Software Information:

The required software must be installed by selecting the **'Auto Mode'** ECU Upgrade option.

**Note:** In some case, the 'Manual Mode' installation option may be required **ONLY** if the 'Auto Mode' function fails or is otherwise noted above.



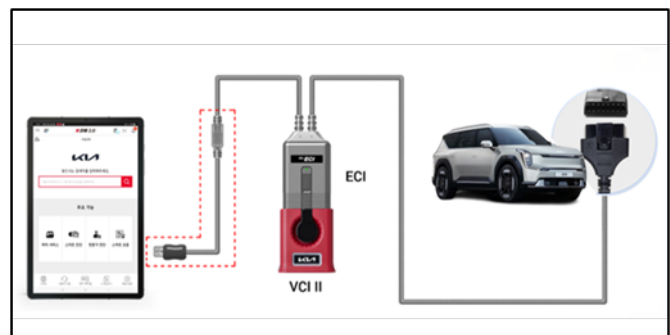
### NOTICE

**If the automatic upgrade fails, turn the ignition 'OFF' for about 10 seconds then place it back in the 'ON' position to reset the control unit BEFORE performing the manual upgrade.**

'Manual Mode' passwords.

Event No.	Menu	Password
833	CV1a PE CCU (Unit1_AP) : 91920-CV000	5258
834	CV1a PE CCU (Unit2_MCU) : 91920-CV000	5259
835	CV1a PCM : 35000-1XFN1	5260
836	MV1a CCU (Unit1_AP) : 91920-DO130	5258
837	MV1a CCU (Unit2_MCU) : 91920-DO130	9283
838	MV1a PCM : 35000-1XHNO	6175

1. Ensure the ECI cable is configured by referring to the ['KDS Configuration for ECI Cable Usage'](#).
2. Connect the ECI DLC connector to the OBD-II connector, located under the driver's side of the instrument panel.
3. Connect the ECI USB -C connector to the KDS tablet.
4. Connect the VCI II to the ECI OBD-II connector.



SUBJECT:

**SUBJECT PLUG AND CHARGE LOGIC IMPROVEMENT**

**IMPORTANT**

**ALL THREE Upgrade Events #833 AND #834 AND #835 are REQUIRED to be installed on EV6 (CVa) vehicles.**

**UPGRADE EVENT: 833**

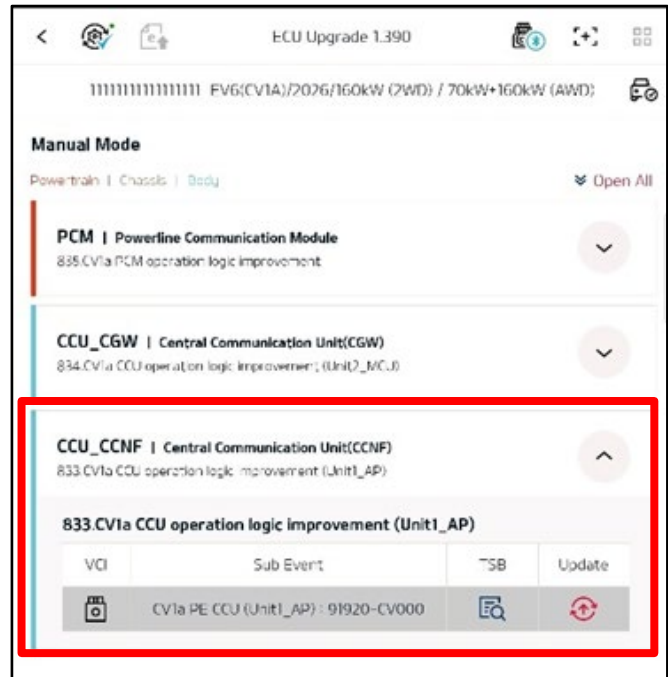
Select the applicable 'CCU' system module and the Event Group.

- 833.CV1a CCU Operation Logic Improvement (Unit1\_AP)

Verify the affected vehicle Calibration Identification of the applicable ECU ROM ID and reference the Information Table on page 3 as necessary.

**NOTICE**

The last 1% of each upgrade event can take up to four (4) minutes.



**UPGRADE EVENT: 834**

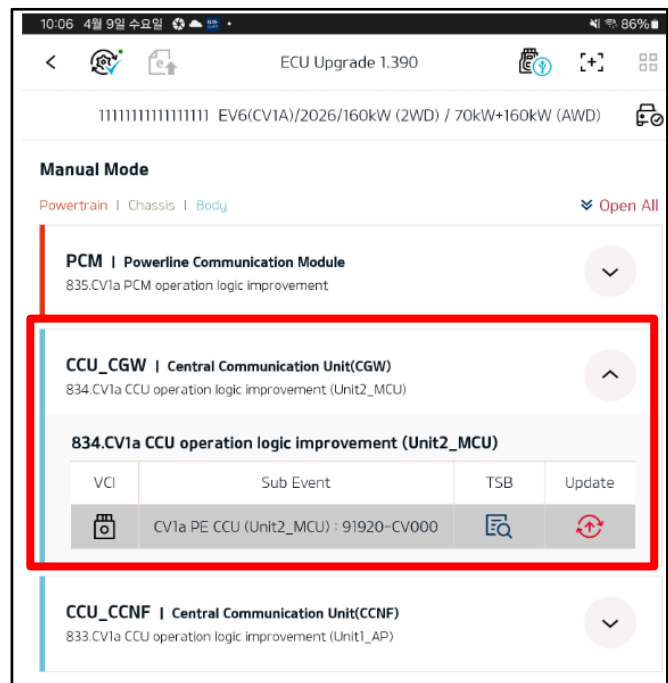
Select the applicable 'CCU' system module and the Event Group.

- 834. CV1a CCU Operation Logic Improvement (Unit2\_MCU)

Verify the affected vehicle Calibration Identification of the applicable ECU ROM ID and reference the Information Table on page 3 as necessary.

**NOTICE**

The last 1% of each upgrade event can take up to four (4) minutes.



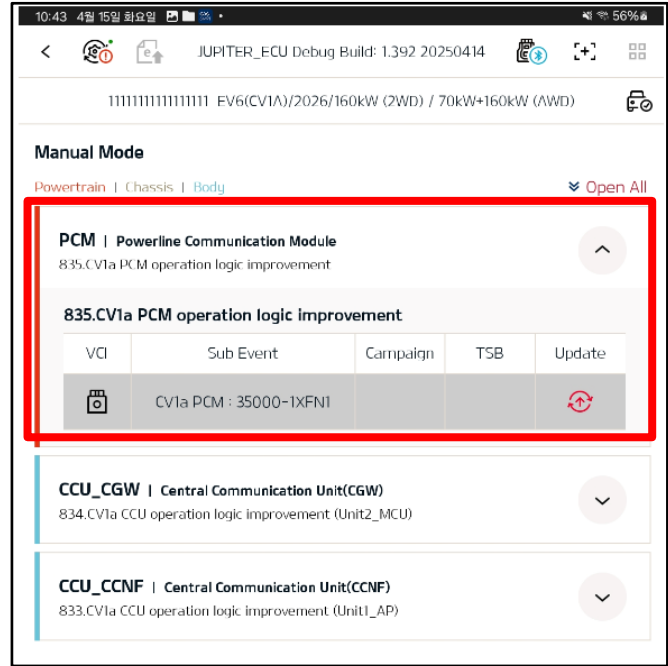
**UPGRADE EVENT: 835**

Select the applicable '**PCM**' system module and the Event Group.

- **835.CV1a PCM Operation Logic Improvement**

Verify the affected vehicle Calibration Identification of the applicable ECU ROM ID and reference the Information Table on page 3 as necessary.

**NOTICE**  
The last 1% of each upgrade event can take up to four (4) minutes.



**IMPORTANT**

**ALL THREE Upgrade Events #836 AND #837 AND #838 are REQUIRED to be installed on EV9 (MVa) vehicles.**

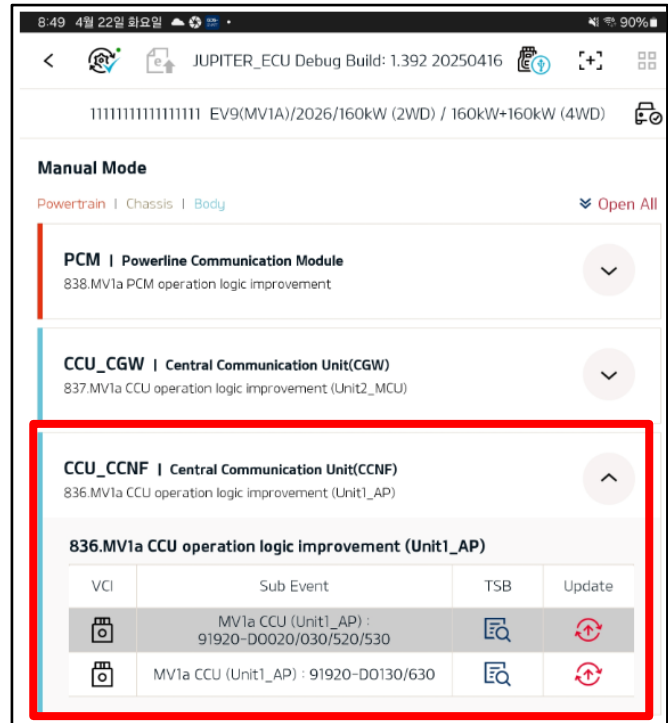
**UPGRADE EVENT: 836**

Select the applicable '**CCU**' system module and the Event Group.

- **836.MV1a CCU Operation Logic Improvement (Unit1\_AP)**

Verify the affected vehicle Calibration Identification of the applicable ECU ROM ID and reference the Information Table on page 4 as necessary.

**NOTICE**  
The last 1% of each upgrade event can take up to four (4) minutes.



SUBJECT:

**SUBJECT PLUG AND CHARGE LOGIC IMPROVEMENT**

**UPGRADE EVENT: 837**

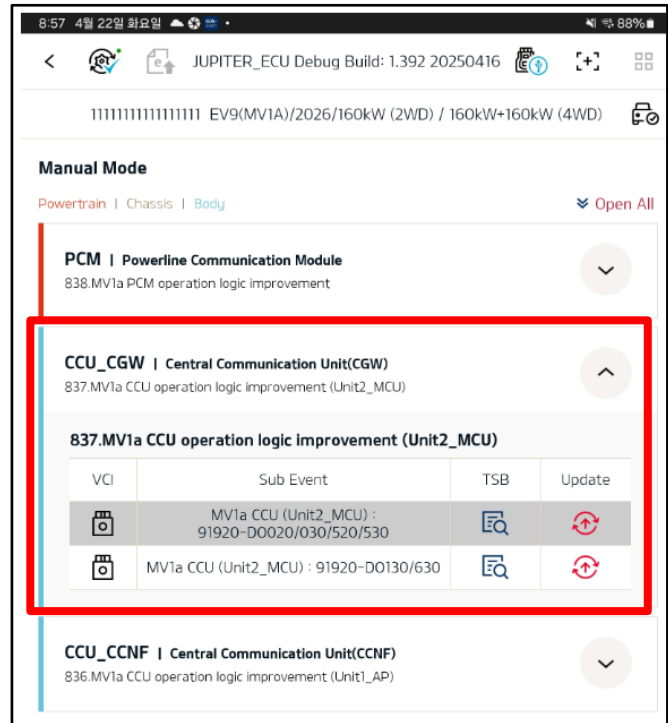
Select the applicable **'CCU'** system module and the Event Group.

- **837.MV1a CCU Operation Logic Improvement (Unit2\_MCU)**

Verify the affected vehicle Calibration Identification of the applicable ECU ROM ID and reference the Information Table on page 4 as necessary.

**NOTICE**

The last 1% of each upgrade event can take up to four (4) minutes.



**UPGRADE EVENT: 838**

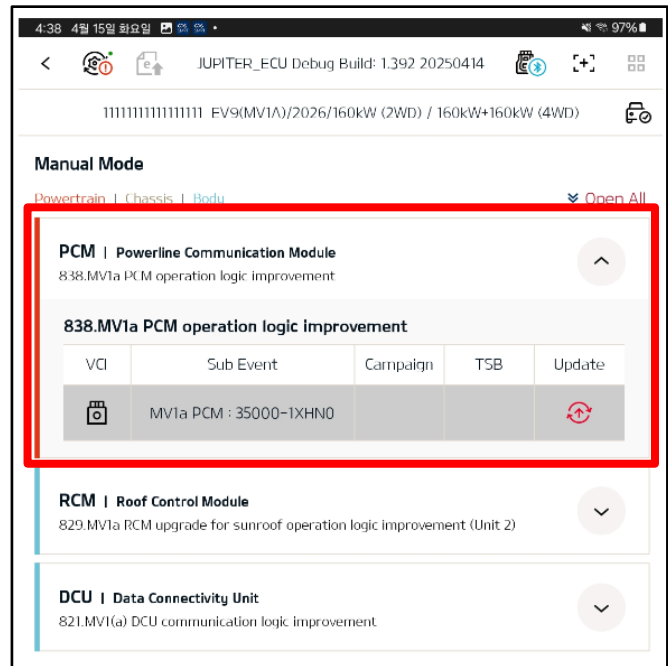
Select the applicable **'PCM'** system module and the Event Group.

- **838.MV1a PCM Operation Logic Improvement**

Verify the affected vehicle Calibration Identification of the applicable ECU ROM ID and reference the Information Table on page 4 as necessary.

**NOTICE**

The last 1% of each upgrade event can take up to four (4) minutes.





SUBJECT: **PLUG AND CHARGE LOGIC IMPROVEMENT**

**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
EV6 (CVa)	September 9, 2024 to September 4, 2025
EV9 (MVa)	September 30, 2024 to September 12, 2025

**REQUIRED TOOL:**

Tool Name	Part Number	Figure	Comments
Kia Diagnostic System (KDS)	N/A		KDS + VCI
ECI Adapter	GIT1XDDMN057 or GITOXDDMN052		Located in Toolbox #1 Drawer 8

**WARRANTY INFORMATION:**

**N Code: D22 C Code: ZZ3**

Claim Type	Model	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	CV1AA MV1AA	OTAFAIL	0	Plug and Charge Logic Improvement	O9999F03	0.5 M/H	N/A	0

For Substitute Transportation policy, please refer to [Service Policy and Procedures Manual \(SPPM\) 6.11 "Kia Substitute Transportation"](#).

