

	GROUP	MODEL
	ELE	2025-2026MY EV9 (MV1a)
	NUMBER	DATE
	427	August 2026
TECHNICAL SERVICE BULLETIN		
SUBJECT: VEHICLE-TO-EVERYTHING (V2X) SOFTWARE UPGRADE		

This bulletin provides information to install the Vehicle-to-Everything 'V2X' function enhancements by upgrading the software of the Central Communication Unit 'CCU' on certain 2025 - 2026MY EV9 (MV1a) vehicles produced at Kia Georgia (KaGA) that have been unable to be updated using the Over-The-Air 'OTA' method. The V2X technology allows EV9 vehicles to interact with other devices such as Vehicle-to-Home 'V2H' and Vehicle-to-Grid 'V2G' technology which enables bidirectional charging, where the EV's battery can be used as a mobile energy storage unit, providing power to the grid or a home backup power source. Follow the procedure outlined in this publication to install the software upgrade to the CCU 'AP/MCU' systems using the KDS ECU Upgrade function as described in this bulletin. Refer to [SST081](#) for software upgrade instructions using the Kia Diagnostic System (KDS) tablet with either the VCI-III or VCI-II with ECI Connector and confirm the Upgrade Event Number/Name, 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.

VEHICLE-TO-EVERYTHING (V2X) SOFTWARE UPGRADE

Refer to [TSB SST081](#) for instructions to upgrade both the 'CCU_CCNF' (AP) and 'CCU-CGW' (MCU) systems:

❗ 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.

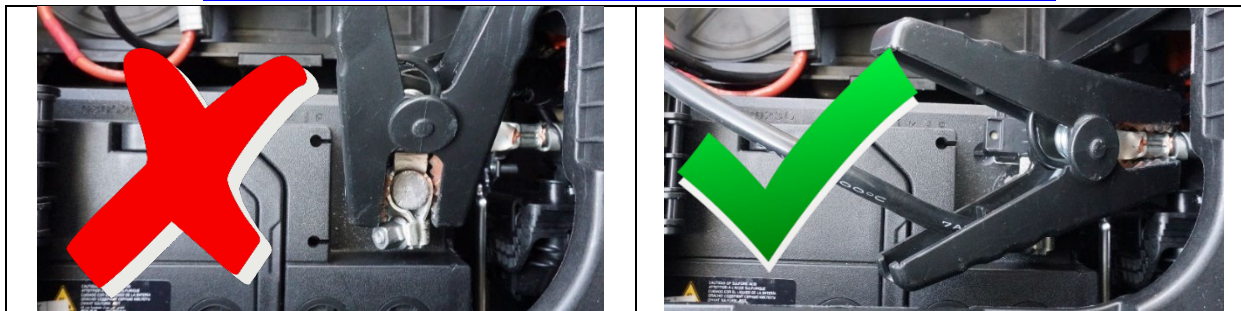
To correct this condition, the specified system module should be reprogrammed using KDS as described in this bulletin in 'Auto Mode'.

Upgrade Event Name
863. MV1a V2X function enhancement (CCU_AP / Ethernet)
864. MV1a V2X function enhancement (CCU_MCU / Ethernet)

📄 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 or VCI-III units should not be used and promptly replaced.**
- Be careful not to disconnect the VCI-II or VCI-III 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.](#)



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ROM ID Information Table:

Upgrade Event #863

❗ 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.

Model Year	Unit	System	IMMO 	ECU P/No.	ROM ID	
					Previous	New
25MY	Central Communication Unit (CCU-CCNF)	AP	Yes	91920 DO020 91920 DO030 91920 DO520 91920 DO530	1.34.23 1.34.47 1.34.61 1.34.83 2.34.03 2.34.13 2.34.31 2.34.37	2.34.41
26MY			Yes	91920 DO130 91920 DO630	1.42.13 1.42.27 1.42.37 1.42.47 1.42.53	1.42.71

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 #864

Model Year	Unit	System	IMMO 	ECU P/No.	ROM ID	
					Previous	New
25MY	Central Communication Unit (CCU-CGW)	MCU	Yes	91920 DO020 91920 DO030 91920 DO520 91920 DO530	1.34.03 1.34.09 1.34.11	1.34.21
26MY			Yes	91920 DO130 91920 DO630	1.42.01 1.42.03 1.42.07	1.42.11

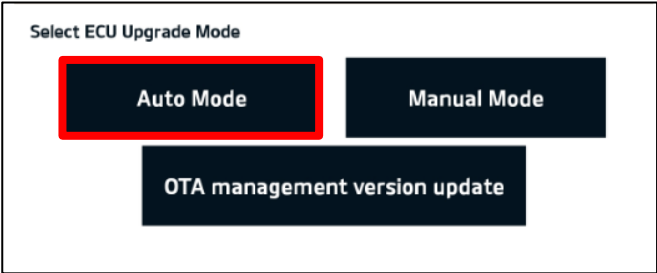
To verify the vehicle is affected, be sure to check the Calibration Identification of the vehicle's ECM ROM ID and reference the Information Table as necessary.



Software Information:

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

Note: In some cases, 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
863	MV1a CCU (25MY AP): 91920-DO020/030/520/530	9690
	MV1a CCU (26MY AP): 91920-DO130/630	1098
864	MV1a CCU (25MY MCU): 91920-DO020/030/520/530	8292
	MV1a CCU (26MY MCU): 91920-DO130/630	9298

 IMPORTANT

Perform the update by connecting an additional ECI Connector to the VCI-II or by using a VCI-III Connector since the DCU upgrade uses ethernet for vehicle communication. The ECI Connector and VCI-III must be connected to the diagnostic terminal with a USB wired cable and the KDS tablet's IP must be set.

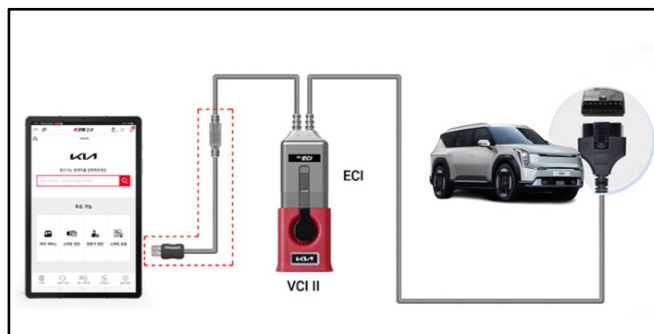
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Using KDS + VCI-II and ECI Connection

Ensure the ECI cable is configured by referring to the ['KDS Configuration for ECI Cable Usage'](#).

1. Connect the ECI DLC connector to the OBD-II connector, located under the driver's side of the instrument panel.
2. Connect the ECI USB -C connector to the KDS tablet.
3. Connect the VCI II to the ECI OBD-II connector.



Using KDS + VCI-III Connection

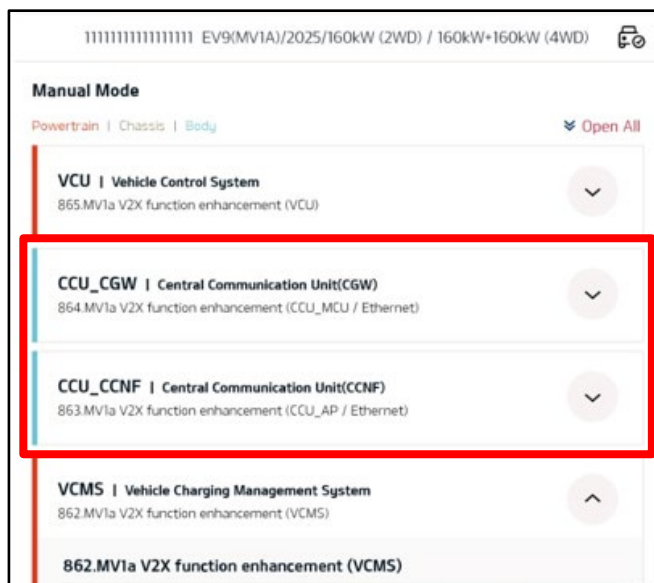
1. Connect the VCI III USB-C connector to the KDS tablet.
2. Connect the VCI III to the OBD-II connector of the vehicle.



UPGRADE EVENT(s):

Select the applicable **'CCU-CGW' (MCU)** and **'CCU_CCNF' (AP)** system modules and the Event Group

- 863. MV1a V2X function enhancement (CCU_AP / Ethernet)
- 864. MV1a V2X function enhancement (CCU_MCU / Ethernet)



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

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AFFECTED VEHICLE RANGE:

Model	Model Year
EV9 (MV1a)	2025 to 2026

REQUIRED TOOL:

Tool Name	Part Number	Figure	Location	Comments
Kia Diagnostic System (KDS)	N/A		SHOP	KDS + VCI
VCI-II or VCI-III Connector	N/A			Connect Directly to KDS Using Included Ethernet Cable
ECI Adapter	GIT1XDDMN057 or GIT0XDDMN052		Located in Toolbox #1 Drawer 8	ECI Adapter For VCI-II

WARRANTY INFORMATION:

N Code: D22 C Code: ZZ3

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	OTAFAIL	0	Vehicle-To-Everything Software Installation	O9999F02	0.4 M/H	N/A	0

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