



GROUP	MODEL
Product Improvement	25-26MY EV6 (CV1 eGT, CVa)
NUMBER	DATE
PI2605	September 2026

TECHNICAL SERVICE BULLETIN

SUBJECT:

BMU LOGIC IMPROVEMENT (PI2605)

This bulletin provides information regarding a Battery Management System (BMS) software update for certain 2025-2026 EV6 (CV1 eGT, CVa) vehicles as listed in the table below. To improve the diagnostic monitoring of the high-voltage battery in the subject vehicles, Kia has developed enhanced BMS software to improve the detection logic and system response in cases of moisture intrusion into the high-voltage battery. Follow the procedure outlined in this publication to update the BMS software using the Kia Diagnostic System (KDS). Refer to [SST081](#) for software upgrade instructions using the KDS tablet and applicable VCI and confirm the applicable Upgrade Event Number/Name, ROM ID information, and Manual Mode passwords (if applicable) for the affected vehicle. Prior to performing the software update, verify that the vehicle is included in the affected vehicle population.

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

Model	Production Date Range
EV6 (CV1 eGT)	February 12, 2025 to April 11, 2025
EV6 (CVa)	December 17, 2024 to May 29, 2026

NOTICE

A Product Improvement is a repair program with customer notification. There is no charge to the customer for this repair.

Repair status for a VIN is provided on KDealer+ (Service → Warranty → Warranty Coverage Inquiry). Not completed Campaign reports are available on KDealer+ (Service → Campaigns → Open Campaign Report), which includes a list of affected vehicles.

This issue number is PI2605.

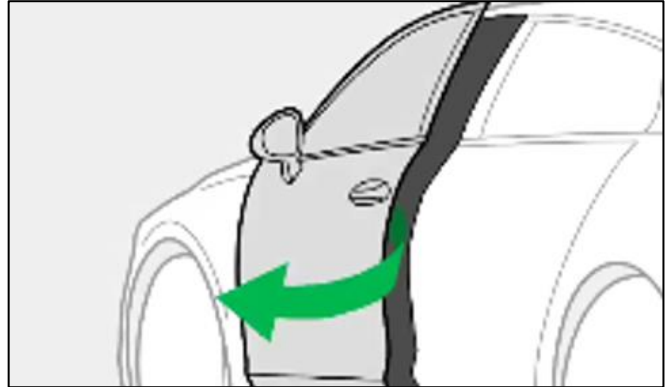
A printed copy is for reference only; publication information can be updated at any time. Always refer to KGIS for the latest information. After logging in kdealer.com, the newest technical publications are listed in 'Service Releases' and has the latest service information that has been released.

'Service Mode' Setting Procedure:

1. Open the driver's door.

❗ IMPORTANT

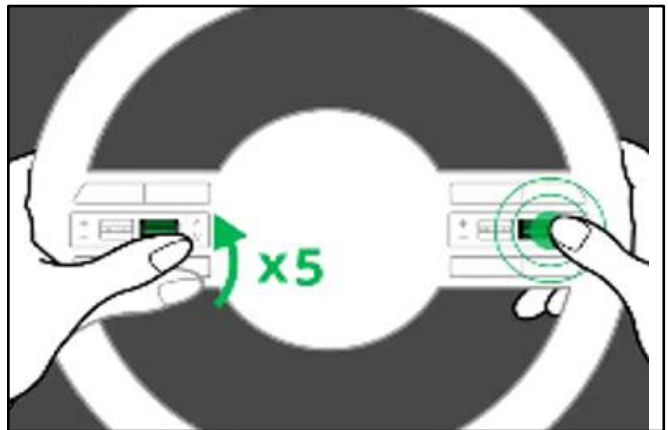
Keep the left driver door open
throughout the following steps.



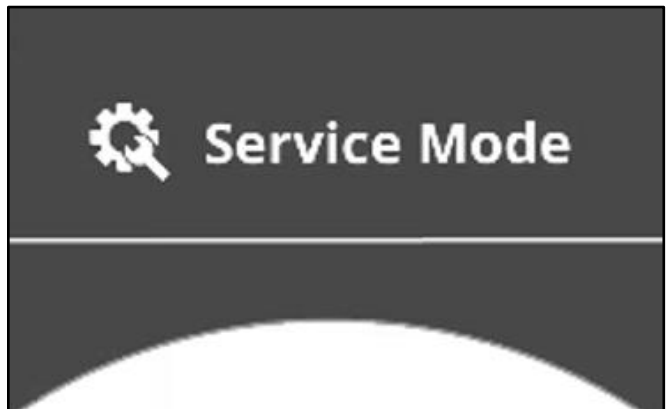
2. Press the ignition 'Power ON' button once (without depressing the brake pedal).



3. Press and hold the right side 'MUTE' button down on the steering wheel while pressing the left side 'UP/DOWN' button UPWARDS five (5x) times.



4. Confirm the vehicle is set to 'Service Mode' in the instrument cluster display.
5. Install the BMS software by proceeding to page 3.



SUBJECT:

BMU LOGIC IMPROVEMENT (PI2605)

Refer to [TSB SST081](#) for instructions to upgrade the 'BMS' system:

❶ 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'.

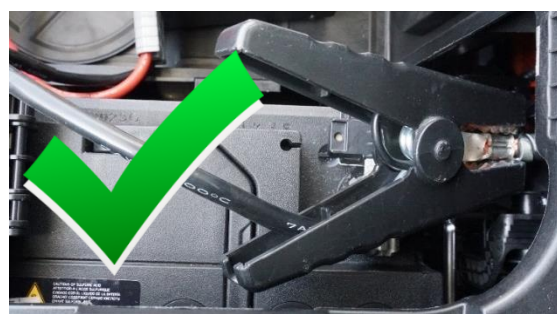
Upgrade Event Name
1060.CV1 PE, CV1 PE eGT BMU DTC Judgment Logic Improvement (P110096)
1027.CV1A BMU DTC Judgment Logic Improvement (P110096)

Set to 'Service Mode' (Refer to Page 2) before performing the software upgrade.

📄 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 - 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.](#)



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.

ROM ID Information Table:**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 #1060

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
EV 6 (CV1 eGT)	BMS	Yes	375A0 CV450	6000 6100 6200 6300 6400	6500

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 #1027

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
EV6 (CVa)	BMS	Yes	375A0 XG050	6018 6218	6418
			375A0 XG500	6010 6210	6410

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:

BMU LOGIC IMPROVEMENT (PI2605)

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.

Select ECU Upgrade Mode

Auto Mode

Manual Mode

OTA management version update

Set to 'Service Mode' (Refer to Page 2) before performing the software upgrade.

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.

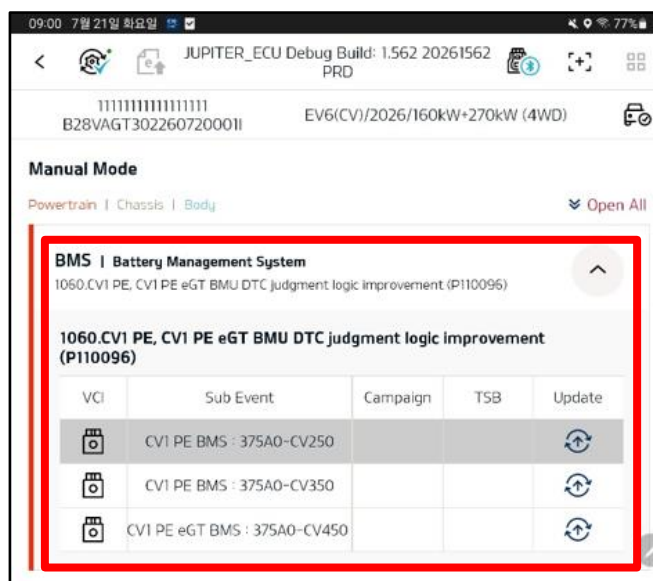
Event No.	Menu	Password
#1060	CV1 PE eGT BMS : 375A0-CV450	3278
#1027	CV1a BMU : 375A0-XG050/500	8590
	CV1a BMU : 375A0-XG150/400	5931

UPGRADE EVENT:

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

- 1060.CV1 PE, CV1 PE eGT BMU DTC Judgment Logic Improvement (P110096)
- Or
- 1027.CV1A BMU DTC Judgment Logic Improvement (P110096)

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



SUBJECT:

BMU LOGIC IMPROVEMENT (PI2605)**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
EV6 (CV1 eGT)	February 12, 2025 to April 11, 2025
EV6 (CVa)	December 17, 2024 to May 29, 2026

REQUIRED TOOL:

Tool Name	Part Number	Figure	Location	Comments
Kia Diagnostic System (KDS)	N/A		SHOP	KDS + VCI
VCI-II 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: N99 C Code: C99**

Model	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
CV1 (Korea)	V	375A0 CV450	0	(PI2605A) BMU Logic Improvement	260353R0	0.3 M/H	N/A	0
CVa (US)		375A0 XG050		(PI2605B) BMU Logic Improvement	260A36R0			

Refer to [Warranty Bulletin 2026-31](#) for claim submission procedures.

When substitute transportation is provided, manually enter sublet code 'X2' for rental expense reimbursement or one roundtrip rideshare expense.

NOTICEVIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference [PI2605](#) when accessing the KDealer+ system.