



GROUP	MODEL
Voluntary Service Campaign	2022-2024MY EV6 (CV)
NUMBER	DATE
SC311	June 2024

VOLUNTARY SERVICE CAMPAIGN

VCMS SOFTWARE LOGIC IMPROVEMENT (SC311)

This bulletin provides information to upgrade the software on the Vehicle Charge Management System (VCMS) in certain 2022-2024MY EV6, EV6 GT (CV) vehicles produced from November 17, 2021 through December 27, 2023. While charging using a 240-V AC (“Level 2”) charger, the subject vehicles may experience an interrupted charging session or a lower charging speed due to a degraded electrical connection from exposure to a damaged charging cable connector. Dealers are to update the VCMS ECU with improved software to improve charging speeds and reduce interrupted charging sessions. For confirmation that the latest reflash has been applied to a vehicle you are working on, verify the ROM ID using the table on page 3 of this bulletin.



NOTICE

Repair status for a VIN is provided on KDealer+ (Service → Warranty Coverage → Warranty Coverage Inquiry → Campaign Information). Not completed Recall / Service Action reports are available on KDealer+ (Consumer Affairs → Not Completed Recall → Recall VIN → Select Report), which includes a list of affected vehicles.

ECU Upgrade Procedure:

To correct this condition, the ECU should be reprogrammed using the KDS download, as described in TSB [SST081](#).

Upgrade Event Name
732.CV VCMS BATTERY CHARGING LOGIC IMPROVEMENT (3rd)
674.CV eGT VCMS BATTERY CHARGING LOGIC IMPROVEMENT (P1BAD) - 2nd

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.


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.

NOTICE

If a 'Communication Fail' error notice appears or the upgrade cannot be performed, DO NOT disconnect the KDS/VCI-II. Contact GIT America Help Desk at (888) 542-4371 or Techline.

NOTICE


Before attempting an ECU upgrade on any Kia model, make sure to first determine whether the applicable model is equipped with an immobilizer  (IMMO) 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.

SUBJECT:

VCMS SOFTWARE LOGIC IMPROVEMENT (SC311)

ROM ID INFORMATION TABLE:

Upgrade Event #732 (EV6) or #674 (EV6 GT)

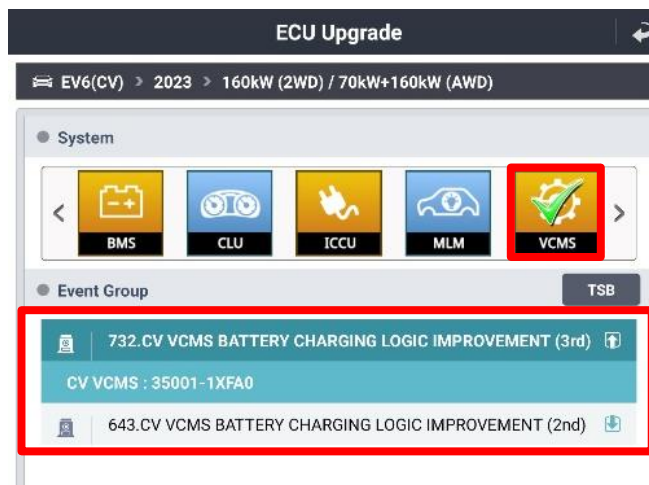
Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
EV6 (CV)	VCMS	Yes	35001-1XFA0	ECVE1NM-CS1-D000 ECVE1NM-CS2-D000 ECVE3NM-CS1-D000 ECVE3NM-CS2-D000	ECVE3NM-CS3-D000
EV6 GT (CV)				35001-1XFT0	ECVG2NM-CS1-D000 ECVG2NM-CS2-D000 ECVG2NM-CS3-D000

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.

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

UPGRADE EVENT:

#732.CV VCMS BATTERY CHARGING LOGIC IMPROVEMENT (3rd) or
#674.CV eGT VCMS BATTERY CHARGING LOGIC IMPROVEMENT (P1BAD) - 2nd



NOTICE

Prior to performing the ECU upgrade, be sure to check that the KDS is fully charged.

Once the software has been installed:

1. Start the vehicle and confirm the WPC is operating properly by placing a Qi compatible phone on the charging pad and confirm the charging indicator light illuminates.

NOTICE

The manual upgrade should ONLY be performed if the automatic upgrade fails.
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 manual upgrade.
 See table below for 'Manual Mode' passwords and refer to TSB [SST081](#) for instructions.

Manual Mode ECU Upgrade Passwords

Menu	Password
CV eGT VCMS : 35001-1XFT0	2011
CV VCMS : 35001-1XFA0	0110



SUBJECT:

VCMS SOFTWARE LOGIC IMPROVEMENT (SC311)

AFFECTED VEHICLE RANGE:

Model	Production Date Range
EV6 (CV)	November 17, 2021 to December 27, 2023

REQUIRED TOOL:

Tool Name	Figure	Comments
KDS		Kia Diagnostic System

WARRANTY INFORMATION:

N Code: N99 C Code: C99

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
R	35001 1XFAO	0	(SC311) VCMS Logic Improvement	240026RO	0.3 M/H	N/A	0

Note: Refer to Warranty Bulletin 2024-37 for claim submission procedures.

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SC311** when accessing the KDealer+ system.

