



GROUP	MODEL
ELE	2024-2026MY EV9 (MV1, MV1a)
NUMBER	DATE
407	November 2025

TECHNICAL SERVICE BULLETIN

SERVICE ACTION: FPM OPERATION LOGIC IMPROVEMENT (SA637)

SUBJECT:

This bulletin provides instructions for updating the Finger Print Module (FPM) software on all 2024-2026MY EV9 (MV1, MV1a) vehicles. The affected vehicles may experience discharge of the auxiliary (12-volt) battery when the vehicle is parked for an extended period due to the FPM not entering sleep mode. This may result in a no-start condition. To address this issue, follow the procedure outlined in this publication to update the logic of the FPM system. Refer to [SST081](#) for detailed software upgrade instructions using the Kia Diagnostic System (KDS) tablet and VCI-II. Confirm the Upgrade Event Number/Name, ROM ID Information, and Manual Mode passwords (if applicable) for the specific vehicle.



NOTICE

A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

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.

This issue number is [SA637](#).

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

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

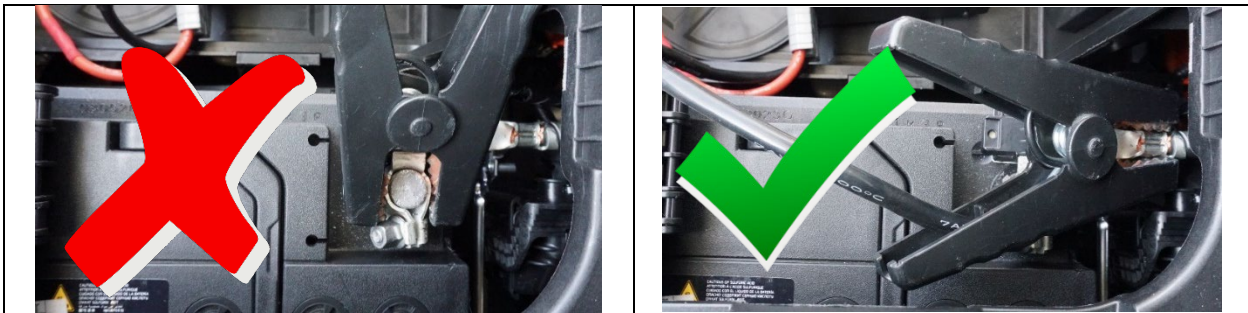
Upgrade Event Name

843.MV1/MV1a FPM operation logic improvement (Prevention discharge from non-sleep)


 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.](#)




 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.

SUBJECT:

SERVICE ACTION: FPM OPERATION LOGIC IMPROVEMENT (SA637)**ROM ID Information Table:****Upgrade Event #843****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.

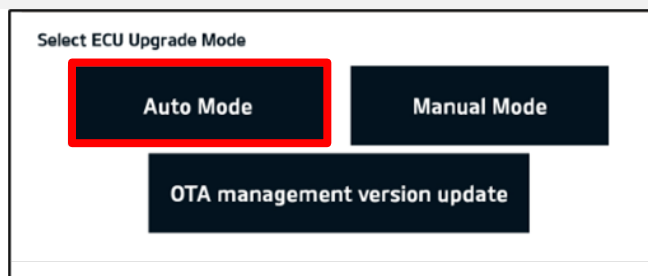
Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
MV1	FPM (Finger Print Module)	Yes	955C0 D0000	1.30	1.70
MV1a			955C0 D0500	1.40	

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 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.

Menu	Password
#843 MV1/MV1a FPM: 955C0-D0000/500	9950

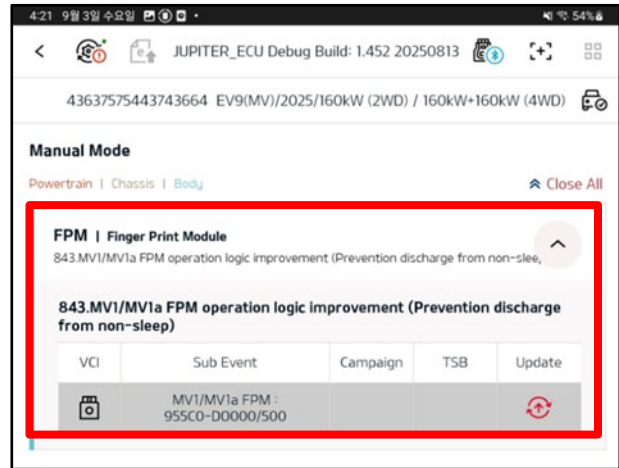
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UPGRADE EVENT:

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

- **"843. MV1/MV1a FPM operation logic improvement (Prevention discharge from non-sleep)"**


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



AFFECTED VEHICLE RANGE:

Model	Production Date Range
EV9 (MV1)	September 25, 2023 to October 14, 2024
EV9 (MV1a)	May 17, 2024 to June 2, 2025

REQUIRED TOOL:

Tool Name	Part Number	Figure	Comments
Kia Diagnostic System (KDS)	N/A		KDS + VCI

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.
MV1	V	955C0 DO000	0	(SA637) FPM Operation Logic Improvement	250166R0	0.4 M/H	N/A	0
MV1a					250A22R0			

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

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA637** when accessing the KDealer+ system.

