



GROUP	MODEL
ELE	2025MY K4 (CL4)
NUMBER	DATE
363	December 2024

## TECHNICAL SERVICE BULLETIN

### SERVICE ACTION: SUNROOF OPERATION SOFTWARE LOGIC IMPROVEMENT (SA595)

SUBJECT:

This bulletin provides the procedure to update the Roof Control Module (RCM) software on certain 2025MY K4 (CL4) vehicles produced from September 17, 2024 to November 01, 2024 which may exhibit an inoperable (open/close) sunroof operation due to a software logic error. This logic improvement includes a factory mode activation/deactivation to reset the RCM module for sunroof initialization. Follow the procedure outlined in this publication to apply the improved logic to the 'RCM' system using the KDS ECU Upgrade function as described in this bulletin. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

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



#### 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 SA595.

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## ECU Upgrade Procedure:

To correct this condition, the ECU should be reprogrammed using the KDS download, as described in this bulletin.

Upgrade Event Name

**801.CL4m Sunroof Operation Logic Improvement (Unit 2)**

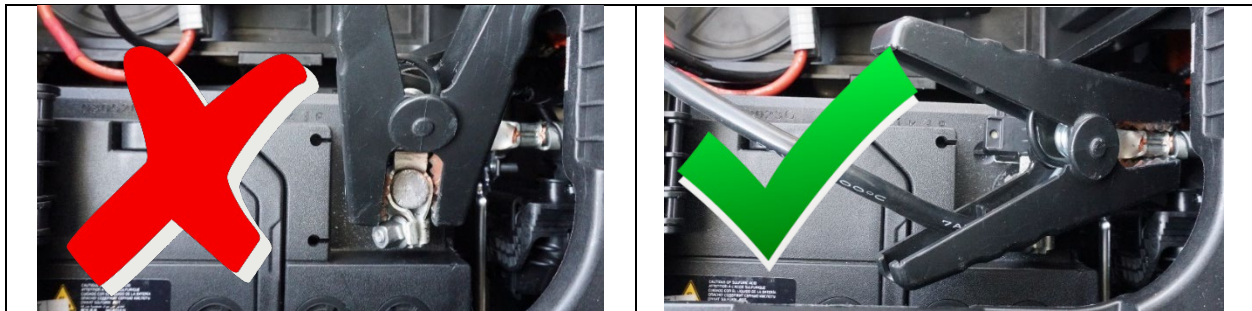
### NOTICE

- 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.

[Connect the negative \(-\) terminal to the battery as shown below.](#)




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**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:****Upgrade Event #801**

Event	System	IMMO		ECU P/No.	ROM ID	
					Previous	New
#801	Roof Control Module (RCM)	Yes		816P0 GG000	2461 2491 24A1 24A2	24B1

*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.*

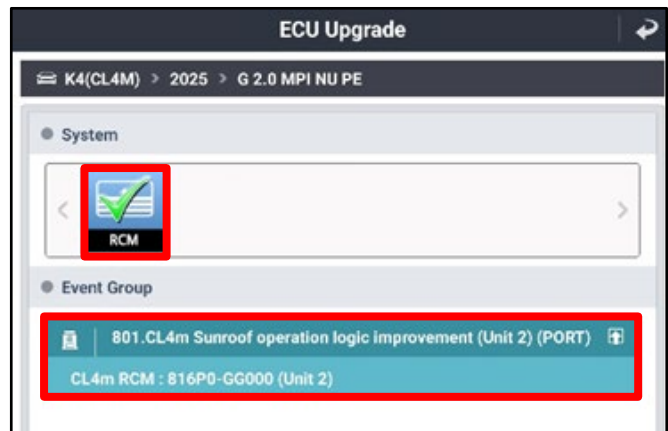
Refer to [TSB SST081](#) for instructions to upgrade the 'RCM' system:

**IMPORTANT**

An **Over-The-Air (OTA)** Software Update for this procedure is planned for release but may not be available at the time of TSB publication. Dealers can confirm OTA availability by checking for OTA release notes on the [Owners Portal](#) of [kia.com](#): [OTA Software Update Release Notes](#)

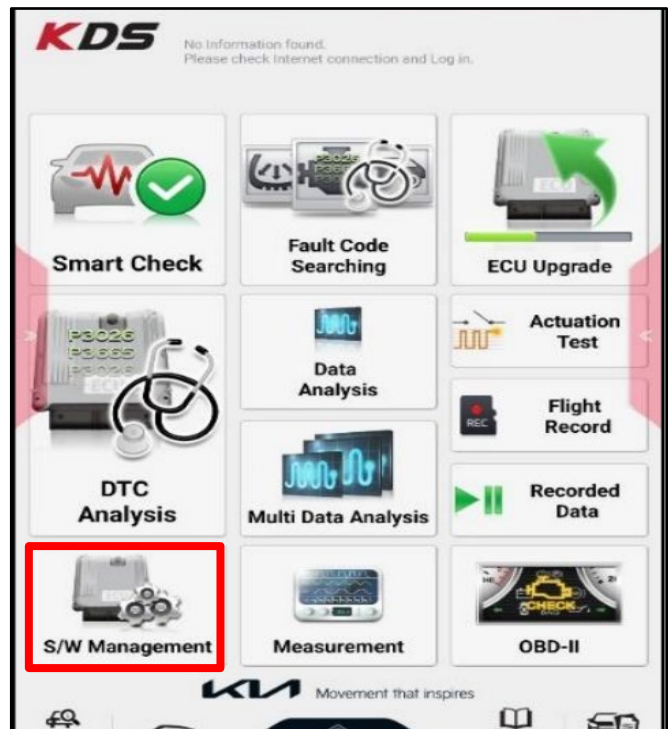
1. **UPGRADE EVENT:**

- 801.CL4m Sunroof Operation Logic Improvement (Unit 2)



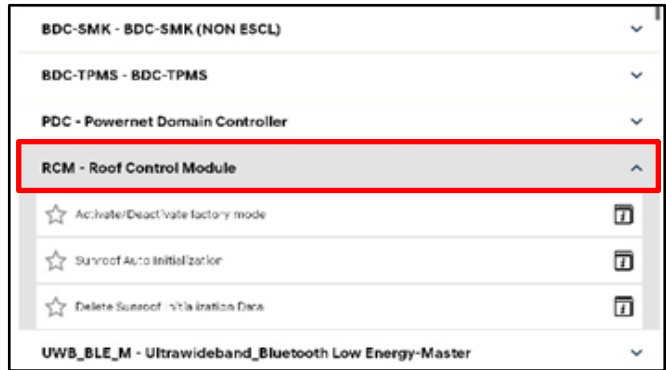
Factory Mode Activation/Deactivation:

2. Navigate to the 'S/W Management' menu.

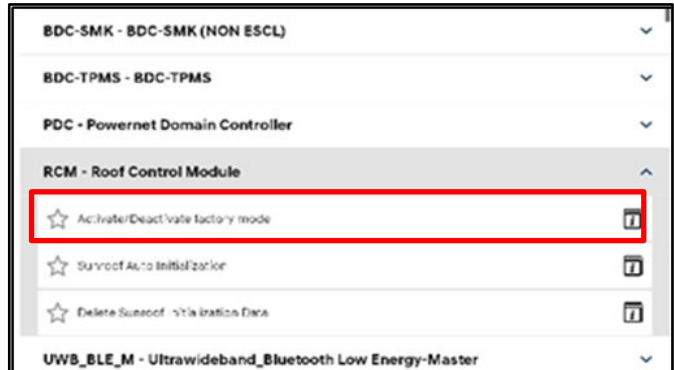


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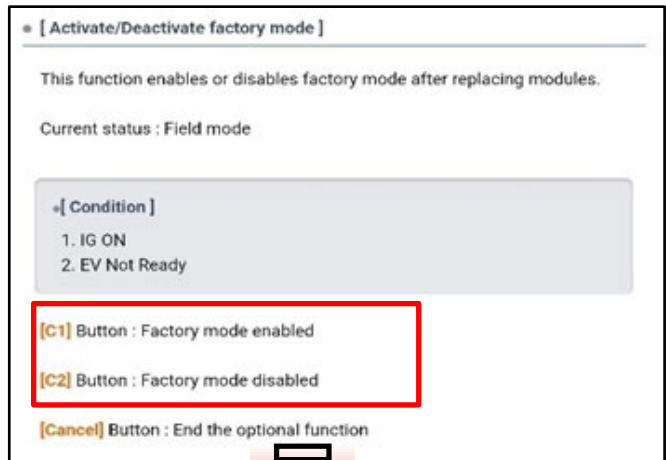
3. Select 'RCM - Roof Control Module'



4. Select 'Activate/Deactivate Factory Mode'



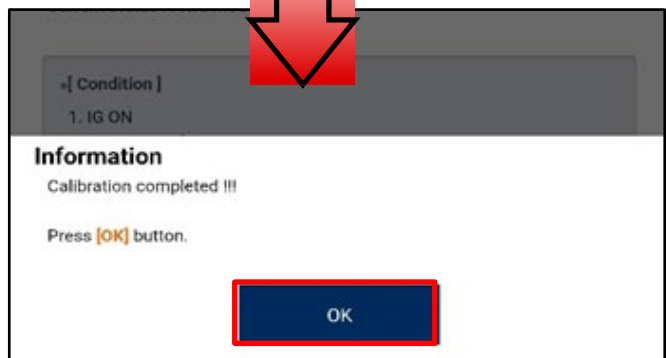
5. Select C1 or C2 to enable or disable factory reset mode:



- 5a. > Select 'C1' to enable factory reset mode and wait until calibration is complete.
- > Select 'OK'
- > Select 'C2' to disable factory reset mode and wait until calibration is complete.
- > Select 'OK'.

6. Repeat step 5a three times.

**ⓘ IMPORTANT**  
 C1 and C2 factory mode selections **MUST** be repeated three times to complete the factory activation/deactivation.



7. Initialize the vehicle’s sunroof by referring to “Body (Interior/Exterior/Electrical) → Sunroof → Adjustment → **[Initialize Sunroof]**” in the applicable Shop Manual on KGIS.
  
8. Confirm normal operation.

**ⓘ IMPORTANT**

If the automatic upgrade fails, error code ‘9000-37-7F22’ may appear on the screen during the first manual upgrade attempt. However, in most cases, attempting the manual upgrade a second time is typically successful.

**Manual Upgrade Procedure:**

**📄 NOTICE**

The manual upgrade should **ONLY** be performed if the automatic upgrade fails.

The factory activation/deactivation mode procedure **MUST** be performed after the manual upgrade.

**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.

Manual Mode ECU Upgrade Passwords

Event No.	Menu	Password
801	CL4m RCM: 816P0-GG000 (Unit 2)	6810

1. Perform the ‘**Factory Mode Activation/Deactivation**’ (Refer to steps 2-6, pages 4-6).
  
2. Initialize the vehicle’s sunroof by referring to “Body (Interior/Exterior/Electrical) → Sunroof → Adjustment → **[Initialize Sunroof]**” in the applicable Shop Manual on KGIS.
  
3. Confirm normal operation.




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**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
K4 (CL4)	September 17, 2024 to November 01, 2024

**REQUIRED TOOL:**

Tool Name	Part Number	Figure	Comments
KDS	N/A		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.
V	816P0 GG000	0	(SA595) RCM Logic Improvement	240M13R0	0.4 M/H	N/A	0

**NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA595 when accessing the KDealer+ system.

