



GROUP	MODEL
<b>Noncompliance Safety Recall Campaign</b>	<b>2024-2025MY Sorento (MQ4a) and 2025MY Sorento P/HEV (MQ4 P/HEV)</b>
NUMBER	DATE
<b>SC331 (Rev 1, 3/19/2025)</b>	<b>January 2025</b>

## NONCOMPLIANCE SAFETY RECALL CAMPAIGN

SUBJECT:

### BODY DOMAIN CONTROL UNIT LOGIC IMPROVEMENT (SC331)

#### NOTICE

**This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.**

This bulletin provides information to upgrade the Body Domain Control Unit 'BDC-BCM' software on certain 2024-2025MY Sorento (MQ4a) vehicles produced from December 07, 2023 through September 18, 2024, 2025MY Sorento HEV (MQ4 HEV) vehicles produced from March 04, 2024 through July 18, 2024 and 2025MY Sorento PHEV (MQ4 PHEV) vehicles produced from April 02, 2024 through June 19, 2024. Due to a software logic error with the Body Domain Control Unit (BDC) under certain circumstances, momentary loss of low-beam headlamp and tail lamp illumination may occur while driving. As a result, the subject vehicles do not comply with the illumination requirements of FMVSS 108 "Lamps, reflective devices, and equipment". Follow the procedure outlined in this publication to upgrade the software of the 'BDC-BCM' system. Refer to [SST081](#) for software upgrade instructions using Kia Diagnostic System (KDS) tablet and VCI-II. 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

**There is no charge to the vehicle owner for this repair. Under applicable law, you may not sell or otherwise deliver any affected vehicle until it has been repaired pursuant to the procedures set forth in this bulletin.**

**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.**

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.

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

### ❗ 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.**

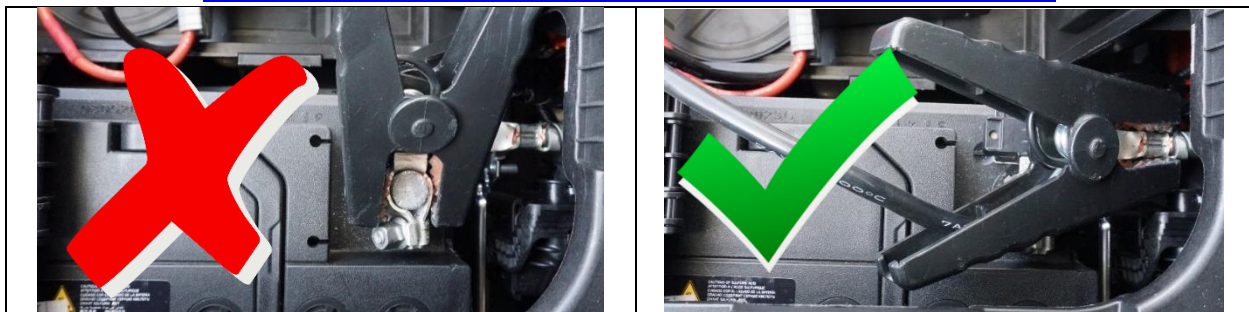
To correct this condition, the specified system module should be reprogrammed using KDS as described in this bulletin in 'Auto Mode'.

Upgrade Event Name
746.MQ4 PE HEV/PHEV BDC Upgrade for Abnormal Blinking of CCNC
799.MQ4a PE BDC Upgrade for Abnormal Blinking of CCNC

### 📄 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.](#)




SUBJECT:

**BODY DOMAIN CONTROL UNIT LOGIC IMPROVEMENT (SC331)****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 #746 (MQ4 P/HEV)**

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
MQ4 HEV PHEV	BDC-BCM	Yes	954CO P4100		
			954CO P4110		
			954CO P4120		
			954CO P4130		
			954CO P4140		
			954CO P4400		
			954CO P4410	1.00	
			954CO P4430	1.10	
			954CO P4440	1.20	1.81
			954CO P4700	1.50	
			954CO P4710	1.60	
			954CO P4720	1.70	
			954CO P4730		
			954CO P4740		
			954CO P4900		
954CO P4910					
954CO P4930					
954CO P4940					

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 #799 (MQ4a)**

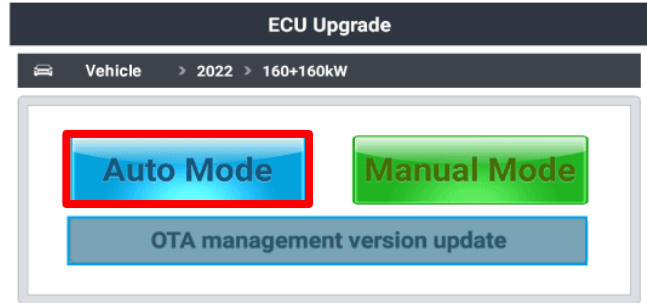
Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
MQ4a	BDC-BCM	Yes	954CO R5110	1.00	
			954CO R5120	1.10	
			954CO R5130	1.20	
			954CO R5140	1.30	
			954DO R5000	1.40	1.81
			954DO R5100	1.50	
			954DO R5130	1.60	
				1.70	

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 #	Menu	Password
746	MQ4 PE HEV/PHEV BDC :954C0-P4100/110/120/130/140/400/410/430/440/700/710/720/730/740/900/910/930/940	8142
799	MQ4a PE BDC : 954C0-R5110~5140	4541
	MQ4a PE BDC : 954D0-R5000~5130	4542

**UPGRADE EVENT:**

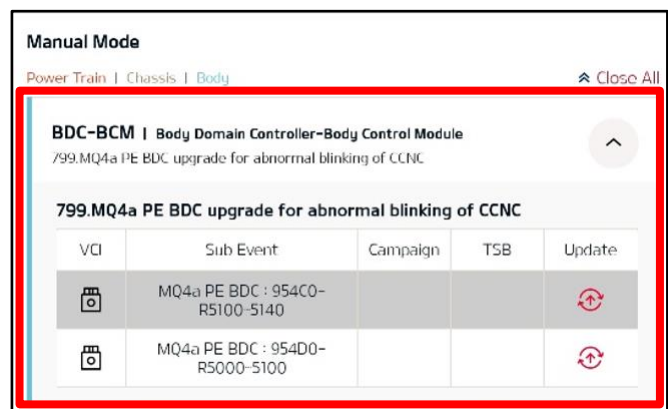
Select the applicable **'BDC-BCM'** 'system' module and **'Event Group'** number in the ECU Upgrade.

- **2025MY Sorento P/HEV (MQ4 P/HEV) - Korea Built**  
746.MQ4 PE HEV/PHEV BDC Upgrade for Abnormal Blinking of CCNC

**or**

- **2025MY Sorento (MQ4a) - US Built**  
799.MQ4a PE BDC Upgrade for Abnormal Blinking of CCNC

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




SUBJECT:

**BODY DOMAIN CONTROL UNIT LOGIC IMPROVEMENT (SC331)****AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Sorento (MQ4a)	December 07, 2023 to September 18, 2024
Sorento HEV (MQ4 HEV)	March 04, 2024 to July 18, 2024
Sorento P/HEV (MQ4 P/HEV)	April 02, 2024 to June 19, 2024

**REQUIRED TOOL:**

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

**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.
MQ4 P/HEV	R	954C0 P4120	0	(SC331) Body Domain Control Unit Logic Improvement	251011R0	0.5 M/H	N/A	0
MQ4a		954C0 R5120			251A02R0			

**Note:** Refer to [Warranty Bulletin 2025-04](#) for claim submission procedures.**NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference [SC331](#) when accessing the KDealer+ system.

