

	GROUP	MODEL
	ELE	2027MY Telluride (LQ2a) Telluride Hybrid (LQ2a HEV)
	NUMBER	DATE
	432	August 2026
TECHNICAL SERVICE BULLETIN		
SUBJECT: SERVICE ACTION: SUNROOF LOGIC IMPROVEMENT (SA653)		

This bulletin provides information to upgrade the Roof Control Module 'RCM' system software on certain 2027MY Telluride (LQ2a) vehicles produced from December 04, 2025 through May 28, 2026, and 2027MY Telluride Hybrid (LQ2a HEV) vehicles produced from December 05, 2025 through May 28, 2026. The affected vehicles may exhibit an illuminated Malfunction Indicator Lamp 'MIL' accompanied by DTC U17000 which can cause the sunroof assembly to become inoperative. Follow the procedure outlined in this publication to apply the improved logic to the 'RCM' system. Refer to [SST081](#) for software upgrade instructions using Kia Diagnostic System (KDS) tablet and VCI-II and confirm the Upgrade Event Number/Name, ROM ID Information, and Manual Mode passwords (if applicable) on the applicable vehicle.

DTC Description:

U170000 - LIN Bus OFF Error

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 → 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 SA653.

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

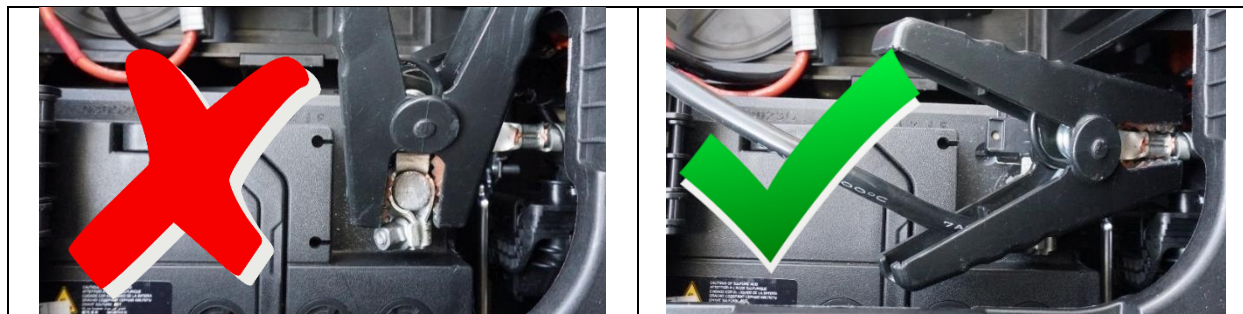
Upgrade Event Name

1010.LQ2a RCM DTC (U170000) judgment & operation logic improvement (Unit 1)

📄 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 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.](#)



SUBJECT:

SUNROOF LOGIC IMPROVEMENT (SA653)**ROM ID Information Table:****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.

Upgrade Event #1010**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
LQ2a LQ2a HEV	RCM	Yes	816P0 P8000	2592 2651	2652

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:

① 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.

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

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.

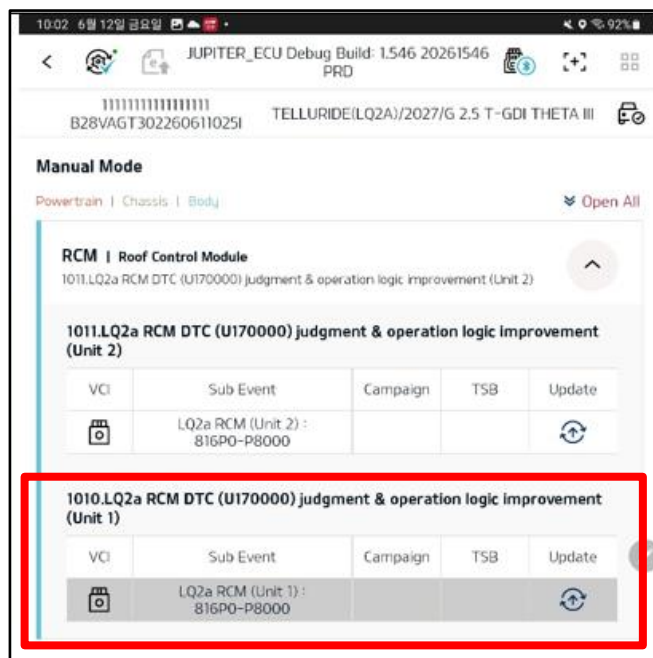
Event No.	Menu	Password
1010	LQ2a RCM (Unit 1) : 816P0-P8000	3941

UPGRADE EVENT:

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

- 1010.LQ2a RCM DTC (U170000) judgment & operation logic improvement (Unit 1)

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



SUBJECT:

SUNROOF LOGIC IMPROVEMENT (SA653)**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Telluride (LQ2a)	December 04, 2025 to May 28, 2026
Telluride Hybrid (LQ2a HEV)	December 05, 2025 to May 28, 2026

REQUIRED TOOL:

Tool Name	Part Number	Figure	Location	Comments
Kia Diagnostic System (KDS)	N/A		SHOP	KDS + VCI
VCI-II or VCI-III Connector	N/A			Connect Directly to KDS Using Included Ethernet Cable

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.
LQ2a HEV	V	816PO P8000	0	(SA653) Sunroof Logic Improvement	260A28R0	0.3 M/H	N/A	0
LQ2a					260A28R1			

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

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA653** when accessing the KDealer+ system.

