



GROUP

MODEL

ELE

2027MY
Telluride
(LQ2a, LQ2 HEV)

NUMBER

DATE

424 (Rev 1, 06/23/2026)

June 2026

TECHNICAL SERVICE BULLETIN

SUBJECT:

SERVICE ACTION: DIGITAL KEY BATTERY
DISCHARGE LOGIC IMPROVEMENT (SA651)

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 improve the Body Domain Controller - Body Control Module 'BDC-BCM' system software on certain 2027MY Telluride (LQ2a) vehicles produced from December 03, 2026 through May 04, 2026 and certain 2027MY Telluride Hybrid (LQ2 HEV) vehicles produced from December 04, 2025 through May 04, 2026. The affected vehicles may experience excessive discharging of the 12V battery while parked, potentially resulting in a no-start condition. Follow the procedure outlined in this publication to apply the improved logic to the 'BDC-BCM' system to reduce power consumption by optimizing wake-up and sleep control during smartphone related operations. Refer to [SST081](#) for software upgrade instructions using Kia Diagnostic System (KDS) tablet and VCI-II or VCI-III and confirm the Upgrade Event Number/Name, ROM ID Information, and Manual Mode passwords (if applicable) on the applicable vehicle.

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 SA651.

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

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.

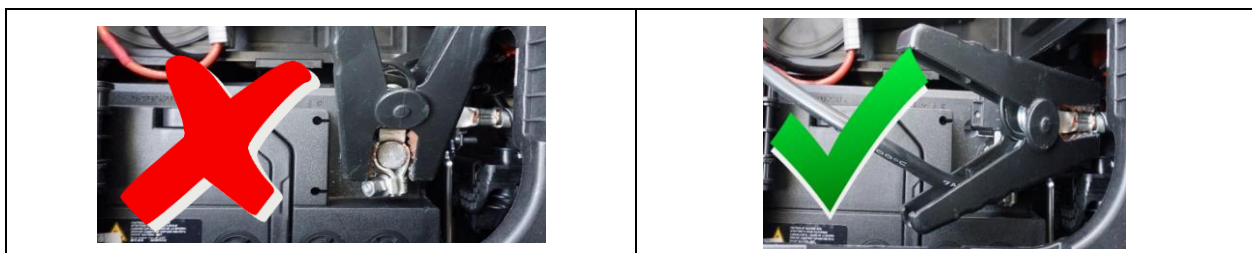
To correct this condition, the specified system module should be reprogrammed using KDS as described in this bulletin in 'Auto Mode'.

Upgrade Event Name
991. LQ2a ICE digital key operation logic improvement (BDC)
998. LQ2a HEV digital key operation logic improvement (BDC)

📄 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.](#)



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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.

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 #991

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
LQ2a	BDC	Yes	95400 P8000 95400 P8010 95400 P8020	252C 252D 252F 252I	252J

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 #998

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
LQ2 HEV	BDC	Yes	95400 XL000 95400 XL010 95400 XL020	252D 252F 252I	252J

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.



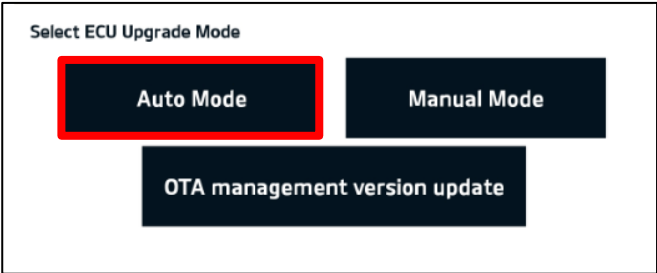
SUBJECT:

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DISCHARGE LOGIC IMPROVEMENT (SA651)

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 No.	Menu	Password
991	LQ2a ICE BDC : 95400-P8000/10/20	8152
998	LQ2a HEV BDC : 95400-XL000/10/20	6215

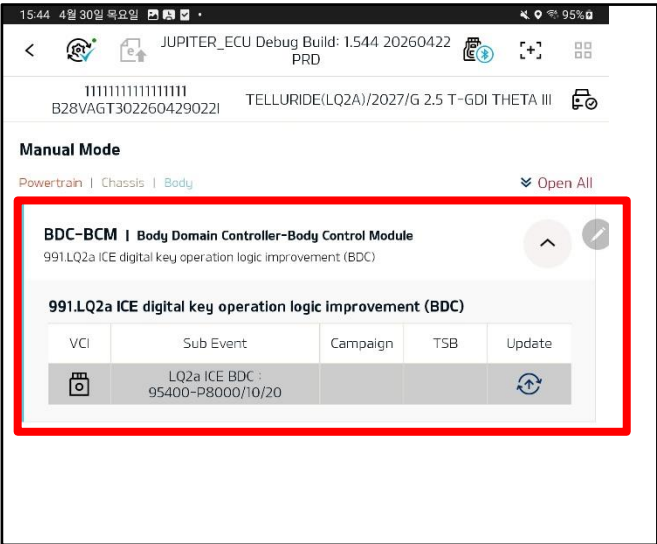
UPGRADE EVENT:

Select the applicable **'BDC-BCM'** system module and the Event Group.

- 991. LQ2a ICE digital key operation logic improvement (BDC)

OR

- 998. LQ2a HEV digital key operation logic improvement (BDC)



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

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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Telluride (LQ2a)	December 03, 2025 to May 04, 2026
Telluride Hybrid (LQ2 HEV)	December 04, 2025 to May 04, 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	V	95400 P8010	0	(SA651) Digital Key Battery Discharge Logic Improvement	260A25R0	0.5 M/H	N/A	0
LQ2 HEV		95400 XL010	0	(SA651A) Digital Key Battery Discharge Logic Improvement	260A25R1			

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 **SA651** when accessing the KDealer+ system.

