



GROUP	MODEL
ELE	2027MY Telluride (LQ2a, LQ2 HEV)
NUMBER	DATE
421	April 2026

TECHNICAL SERVICE BULLETIN

SUBJECT:

SERVICE ACTION: DOOR HANDLE DISCHARGE LOGIC IMPROVEMENT (SA646)

This bulletin provides information to upgrade the Door Handle Sensor Module 'DHS' system software on certain 2027MY Telluride (LQ2a, LQ2 HEV) vehicles produced from December 03, 2025 through April 10, 2026, which 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 'DHS' 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.



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 [SA646](#).

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

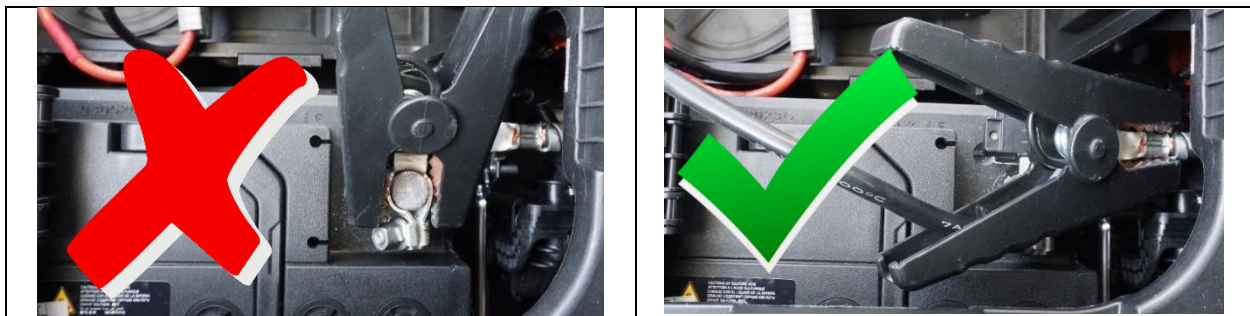
To correct this condition, the specified system module should be reprogrammed using KDS as described in this bulletin in 'Auto Mode'.

Upgrade Event Name
965. LQ2a (HEV) DHS_FR_LH sleep logic improvement
966. LQ2a (HEV) DHS_FR_RH sleep logic improvement


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.




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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 #965

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
LQ2a LQ2 HEV	DHS_FL	Yes	82657 P8100	2561 2571	2631

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 #966

Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
LQ2a LQ2 HEV	DHS_FR	Yes	82667 P8100	2561 2571	2631

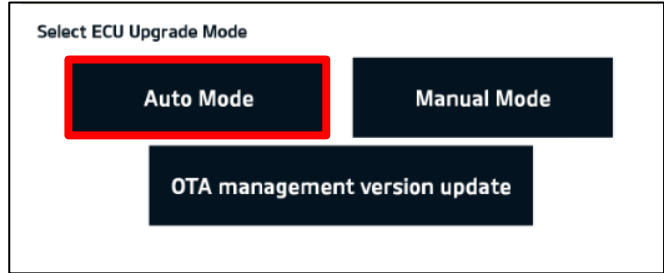
To verify the vehicle is affected, be sure to check the Calibration Identification of the vehicle's ECM ROM ID and reference the Information Table as necessary.



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 No.	Menu	Password
965	LQ2a (HEV) DHS_LH : 82657-P8100	6362
966	LQ2a (HEV) DHS_RH : 82667-P8100	6263

IMPORTANT

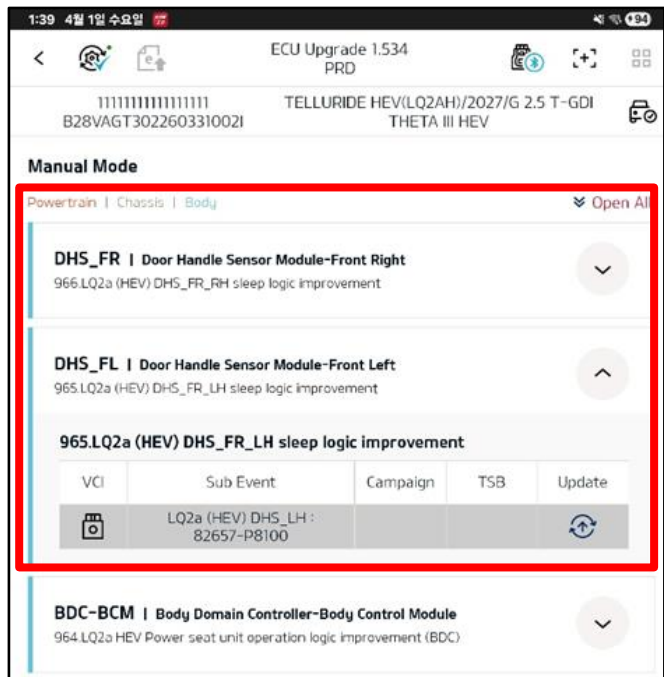
BOTH Upgrade Event #965 **AND** Upgrade Event #966 are **REQUIRED** to be installed on ALL LQ2 vehicles.

UPGRADE BOTH EVENTS:

Select the applicable **'DHS_FR_LH'** and **'DHS_FR_RH'** system module and the Event Group.

- 965. LQ2a (HEV) DHS_FR_LH sleep logic improvement
- AND**
- 966. LQ2a (HEV) DHS_FR_RH sleep logic improvement

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 April 10, 2026
Telluride HEV (LQ2 HEV)	

REQUIRED TOOL:

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

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	82650 P8000	0	(SA646) Door Handle Discharge Logic Improvement	260A19R0	0.3 M/H	N/A	0

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 **SA646** when accessing the KDealer+ system.

