



GROUP

MODEL

**Voluntary Emissions
Campaign****2022-2023MY
Stinger (CK)
w/2.5L T-GDI**

NUMBER

DATE

SC369**July 2026**

VOLUNTARY EMISSIONS CAMPAIGN

THETA III 2.5L T-GDI ECM SOFTWARE LOGIC IMPROVEMENT (SC369)

SUBJECT:

This bulletin provides information to upgrade the engine control module (ECM) software to improve combustion stability by optimizing injector fuel injection control during the initial driving period on certain 2022-2023MY Stinger (CK) vehicles equipped with the Theta III 2.5L T-GDI ULEV engine, manufactured from February 1, 2021 through April 11, 2023. The subject vehicles may have been produced with engine calibrations that can cause the vehicle to release air pollutants that exceed Federal and California standards. These standards were established to protect the public's health and welfare from the dangers of air pollution. Follow the procedure outlined in this publication to apply the improved emissions control logic using the Kia Diagnostic System (KDS) ECU Upgrade function. Refer to [SST081](#) for software upgrade instructions using the Kia Diagnostic System (KDS) tablet and VCI-II or VCI-III, and confirm the ECU Upgrade Event Number/Name, ROM ID information, and Manual Mode passwords (if applicable) for the applicable vehicle. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



NOTICE

There is no charge to the vehicle owner for this repair.

**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 SC369.

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 'ECM' system:

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

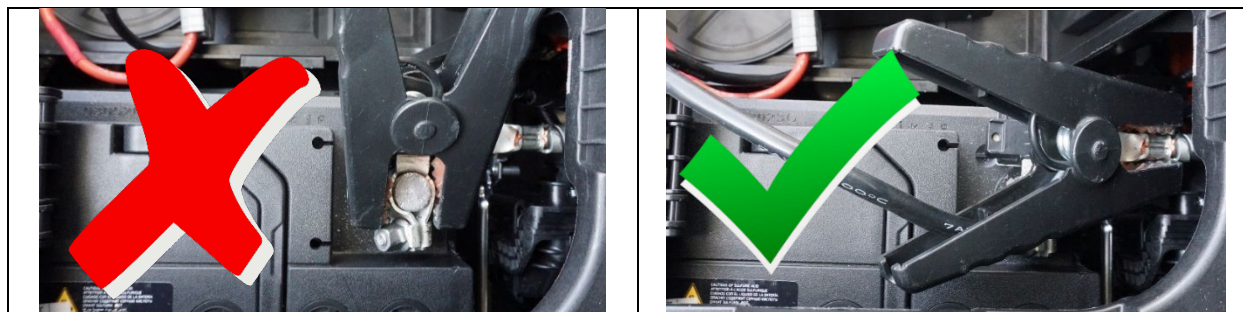
Upgrade Event Name

924.CK PE Theta3 2.5TGDI Engine Misfire 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.

SUBJECT:

THETA III 2.5L T-GDI ECM SOFTWARE LOGIC IMPROVEMENT (SC369)

ROM ID Information Table:

Upgrade Event #924

❗ 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
22MY (CK)	ECM	Yes	39121 2T100	CKBWD5TMT2XXXH0A CKBWD5TMT2XXXH0B CKBWD5TMT2XXXH0C	CKBWD5TMT2XXXH2A
			39121 2T105	CKBWD5TMF2XXXH0A CKBWD5TMF2XXXH0B CKBWD5TMF2XXXH0C	CKBWD5TMF2XXXH2A
23MY (CK)	ECM	Yes	39121 2T100	CKEWD5TMT 2XXXL8A	CKEWD5TMT2XXXL9A
			39121 2T106	CKEWD5TMF2XXXL8A	CKEWD5TMF2XXXL9A

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.

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
#924	CK PE 2.5T 8AT2 ULEV +IMMO: 39121-2T100	3059
	CK PE 23MY 2.5T 8AT2 ULEV +IMMO: 39121-2T101	4327
	CK PE 2.5T 8AT4 ULEV +IMMO: 39121-2T105	4936
	CK PE 23MY 2.5T 8AT4 ULEV +IMMO: 39121-2T106	6593

UPGRADE EVENT:

Select the applicable **'ECM' ENGINE** system module and the Event Group.

- 924.CK PE Theta3 2.5TGDI Engine Misfire 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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STINGER(CK)/2023/G 2.5 T-GDI THETA III

🔍

Manual Mode

Powertrain | Chassis | Body

Open All

ENGINE | Engine

924.CK PE Theta3 2.5TGDI engine misfire improvement

924.CK PE Theta3 2.5TGDI engine misfire improvement

VCI	Sub Event	Campaign	TSB	Update
📄	CK PE 2.5T 8AT2 ULEV +IMMO : 39121-2T100			↻
📄	CK PE 23MY 2.5T 8AT2 ULEV +IMMO : 39121-2T101			↻
📄	CK PE 2.5T 8AT4 ULEV +IMMO : 39121-2T105			↻
📄	CK PE 23MY 2.5T 8AT4 ULEV +IMMO : 39121-2T106			↻

SUBJECT:

THETA III 2.5L T-GDI ECM SOFTWARE LOGIC IMPROVEMENT (SC369)**ATTENTION: THE PROOF OF CORRECTION CARD AND CAMPAIGN COMPLETION LABEL ARE RESTRICTED ONLY TO DEALERS IN THE FOLLOWING STATES:**

California, Colorado, Connecticut, Delaware, Massachusetts, Maine, Maryland, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont, and Washington. See Parts Information below to order the Proof of Correction Card and Campaign Completion Label from the PDC.

VEHICLE EMISSION RECALL - PROOF OF CORRECTION CARD

A Vehicle Emission Recall - Proof of Correction card must be filled out for all vehicles registered in California, Colorado, Connecticut, Delaware, Massachusetts, Maine, Maryland, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont, and Washington. Residents of these states, who own an affected vehicle, will be required to possess a Vehicle Emission Recall - Proof of Correction card as evidence of voluntary service campaign completion, when they apply for vehicle registration renewal.

WHAT TO DO WITH THE CARD:

The Vehicle Emission Recall - Proof of Correction card must be completed by the Dealership's Service Manager using a permanent ink pen. A fine point pen is recommended. When filling in the information, copy the information directly from the vehicle, not the repair order. ALL INFORMATION MUST BE PRINTED AND NEAT.

NOTE: DO NOT COMPLETE THE CARD UNLESS THE SERVICE CAMPAIGN WORK IS COMPLETED.

The copy of the card shown below indicates the areas to be filled in. Each area must be filled in. The completed card should be given to the owner of the vehicle upon completion of the Campaign and placement of the Campaign Completion Label outlined below...

FILLING OUT AND APPLYING THE CAMPAIGN COMPLETION LABEL (CA and S.177 STATES ONLY):

The dealer must fill in the Dealer Code and Date information fields on the Campaign Completion Label.

Once complete, affix the campaign completion label under the hood of the vehicle, as shown below.

CA and S.177 States Only: Apply SC369 Campaign Completion Label onto the body in the area next to the shock tower, as shown. **NOTE: Be sure to clean the mounting surface to ensure proper label adhesion.**



SUBJECT:

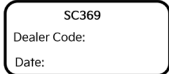
THETA III 2.5L T-GDI ECM SOFTWARE LOGIC IMPROVEMENT (SC369)**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Stinger (CK)	February 1, 2021 to April 11, 2023

REQUIRED TOOL:

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

REQUIRED PART:

Part Name	Part Number	Figure	Qty.	Comments
Vehicle Emissions Recall Proof of Correction Card	UT161 SC369		1	N/A
Campaign Completion Label	UT160 SC369			

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.
R	39121 2T100	0	(SC369) ECM Software Logic Improvement	250046R1	0.3 M/H	N/A	0

Note: Refer to **Warranty Bulletin 2026-23** for claim submission procedures. 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 **SC369** when accessing the KDealer+ system.