



GROUP	MODEL
ELE	2025MY Sorento (MQ4a PE) w/ 2.5L T-GDI THETA III
NUMBER	DATE
358	September 2024

## TECHNICAL SERVICE BULLETIN

SUBJECT: **SERVICE ACTION: ISLA LOGIC IMPROVEMENT (SA591)**

This bulletin provides information to improve the Intelligent Speed Limit Assist (ISLA) function on certain 2025MY Sorento (MQ4a PE) vehicles equipped with 2.5L T-GDI Theta III engines produced from June 25, 2024 through August 8, 2024. When using Smart Cruise Control with ISLA enabled, an affected vehicle may not automatically update the cruise set speed to a new posted speed limit due to a software logic error. If this occurs, the driver can manually change the cruise set speed and/or deactivate the cruise control normally by using the steering wheel controls and brake pedal. Follow the procedure outlined in this publication to upgrade the Engine Control Module (ECM) software the applicable vehicle. 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 activated Kia Connect accounts.



### 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 SA591.

**ECU Upgrade Procedure:**

To correct this condition, the ECU should be reprogrammed using the KDS download, as described in this bulletin.

## Upgrade Event Name

751.MQ4a PE Theta 2.5TGDI ECU Upgrade for ISLA Logic Improvement

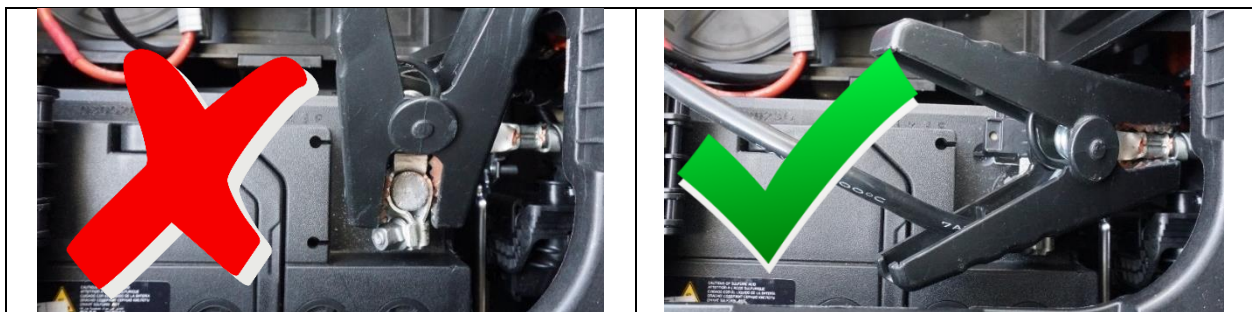
**NOTICE**

- 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.

**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.


[Connect the negative \(-\) terminal to the battery as shown below.](#)





SUBJECT:

## ISLA LOGIC IMPROVEMENT (SA591)

**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.

**ROM ID INFORMATION TABLE:****Upgrade Event #751**

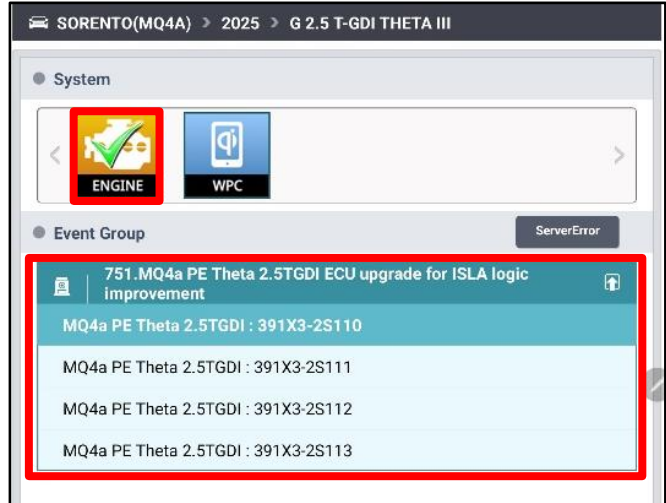
Model	Engine	IMMO		ECU P/No.	ROM ID	
					Previous	New
Sorento (MQ4a PE)	2.5L T-GDI THETAIII	Yes		391X3 2S110	MQGVN5TMU3XXXA1A MQGVN5TMU3XXXA1B	MQGVN5TMU3XXXA2A
				391X3 2S111	MQGVN5TMU3TXXA1A MQGVN5TMU3TXXA1B	MQGVN5TMU3TXXA2A
				391X3 2S112	MQGVN5TMG3XXXA1A MQGVN5TMG3XXXA1B	MQGVN5TMG3XXXA2A
				391X3 2S113	MQGVN5TMG3TXXA1A MQGVN5TMG3TXXA1B	MQGVN5TMG3TXXA2A

*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.*

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

1. **UPGRADE EVENT:**

751.MQ4a PE Theta 2.5TGDI ECU Upgrade For ISLA Logic Improvement



**IMPORTANT**

An **Over-The-Air (OTA) Software Update** for this procedure is planned for release but may not be available at the time of TSB publication. Dealers can confirm OTA availability by checking for OTA release notes on the [Owners Portal](#) of [kia.com](#): [OTA Software Update Release Notes](#)

**Manual Upgrade Procedure:**

**NOTICE**

The manual upgrade should ONLY be performed if the automatic upgrade fails.

**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 manual upgrade.**

See table below for 'Manual Mode' passwords.

Manual Mode ECU Upgrade Passwords

Event No.	Menu	Password
751	MQ4a PE Theta 2.5TGDI : 391X3-2S110	0112
	MQ4a PE Theta 2.5TGDI : 391X3-2S111	1112
	MQ4a PE Theta 2.5TGDI : 391X3-2S112	2112
	MQ4a PE Theta 2.5TGDI : 391X3-2S113	3112




SUBJECT:

**ISLA LOGIC IMPROVEMENT (SA591)****AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Sorento (MQ4a PE)	June 25, 2024 to August 8, 2024

**REQUIRED TOOL:**

Tool Name	Part Number	Figure	Comments
KDS	N/A		Kia Diagnostic System

**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	39103 2S101	0	(SA591) ISLA Logic Improvement	240A36RO	0.3 M/H	N/A	0

**NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA591** when accessing the KDealer+ system.