	GROUP Emissions Service Campaign	MODEL 2014-16MY Sportage (SL)
	NUMBER SC185	DATE March 2020
VOLUNTARY EMISSIONS SERVICE CAMPAIGN		
SUBJECT: SL THETA 2.4L GDI SULEV EMISSION LOGIC IMPROVEMENT (SC185)		

This bulletin provides the procedure to update the emission related logic of the Engine Control Module (ECM) with an improved version on some 2014-2016MY Sportage (SL) vehicles equipped with Theta 2.4L GDI SULEV engines, produced from September 30, 2013 through November 16, 2015 to ensure compliance with emission regulations. To correct this condition, apply the improved logic to the ECM using the KDS ECU Upgrade function as described in this bulletin. For confirmation that the latest reflash has been applied to a vehicle you are working on, verify the ROM ID using the table on page 3 of this bulletin. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



Kia Diagnostic System (KDS)

*** NOTICE**

To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service → Warranty Coverage → Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

Printed TSB copy is for reference only; information may be updated at any time.
Always refer to KGIS for the latest information.

- Circulate To: General Manager Service Manager Parts Manager
 Service Advisors Technicians Body Shop Manager Fleet Repair

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ECU Upgrade Procedure:

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


Upgrade Event Name

444. SL THETA 2.4GDI SULEV EMISSION LOGIC IMPROVEMENT

★ NOTICE

- A fully charged battery is necessary before ECU upgrade can take place. It is recommended that the Midtronics GR8-1299 be used in ECU mode during reflashing or the use of a fully charged jump starter box.
- DO NOT connect any other battery charger to the vehicle during ECU upgrade.
- Ensure the KDS or GDS is sufficiently charged prior to reflash.
- All ECU upgrades must be done with the ignition key in the 'ON' position.
- 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 model and model year.

★ NOTICE

Before attempting an ECU upgrade on any Kia model, make sure to first determine whether the particular 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:

Upgrade Event #444 (SL)

Model	EM	TM	IMMO	ECU P/No.	ROM ID	
					Previous	New
SL 2.4 GDI	14MY (SULEV)	6AT	No	39107-2GCG0	SES4RH2A SES4RH2B SES4RH2C SES4RH2D SES4RH2K	SES4RH2L
			Yes	39107-2GCG5	SES4MH2A SES4MH2B SES4MH2C SES4MH2D SES4MH2K	SES4MH2L
	15MY (SULEV)	6AT	No	39107-2GCG1 39107-2GCG2	SFS4RH4A SFS4RH4B SFS4RH4K	SFS4RH4L
			Yes	39107-2GCG6 39107-2GCG7	SFS4MH4A SFS4MH4B SFS4MH4K	SFS4MH4L
	16MY (SULEV)	6AT	No	39107-2GCG3	SGS4RH4A SGS4RH4B SGS4RH4K	SGS4RH4L
			Yes	39107-2GCG8	SGS4MH4A SGS4MH4B SGS4MH4K	SGS4MH4L

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.



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*** NOTICE**

Prior to performing the ECU upgrade, be sure to check that the KDS is fully charged.

- 1. Connect the VCI-II to the OBD-II connector, located under the driver's side of the instrument panel.

*** NOTICE**

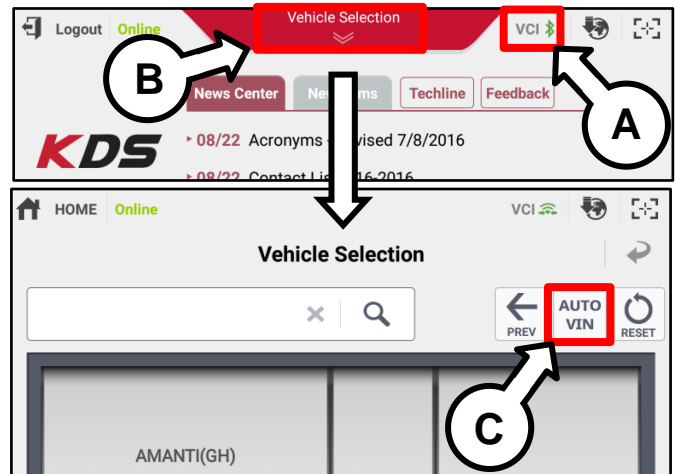
The ECU upgrade function on KDS operates wirelessly. It is not necessary to perform the upgrade via USB cable.



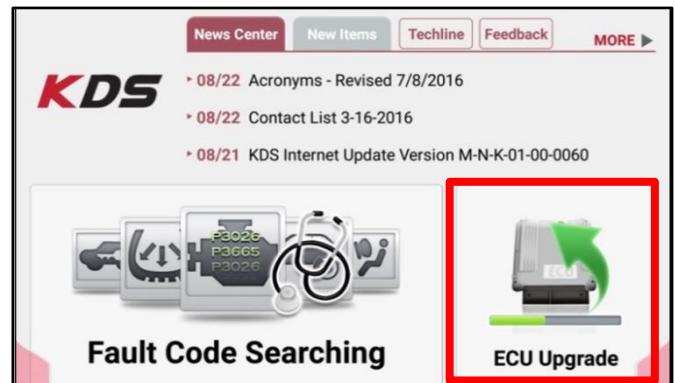
- 2. With the ignition ON, turn ON the KDS tablet. Select **KDS** from the home screen.



- 3. Confirm communication with VCI (A) and then configure the vehicle (B) using the **AUTO VIN** (C) feature.



- 4. Select **ECU Upgrade**.



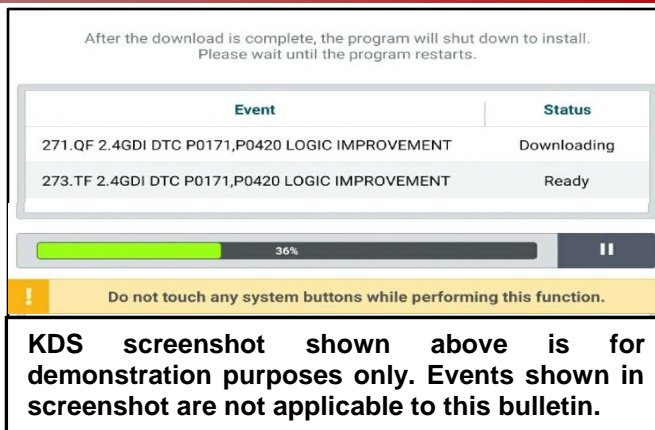
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- The KDS will check the server for recently uploaded Events and then automatically download **Upgrade Event #444 (SL)**.

* NOTICE

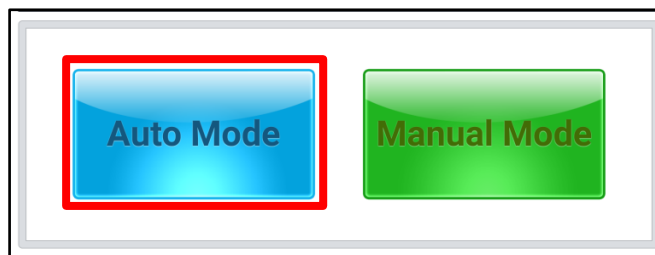
The vehicle must be identified in Vehicle Selection to download an Event for that vehicle.



- Select **Auto Mode**.

! CAUTION

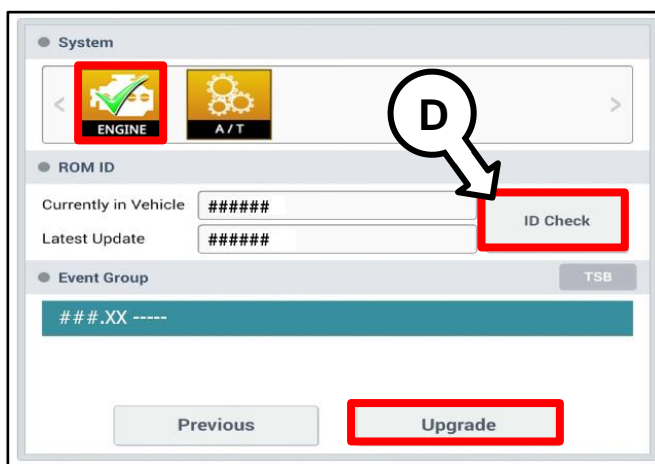
Do NOT attempt to perform a Manual Mode upgrade **UNLESS Auto Mode fails**. Always follow the instructions given on the KDS in either Auto or Manual mode.



- Select the **ENGINE** system under the System selection menu.

Touch **ID Check** (D) and confirm that the latest update is available.

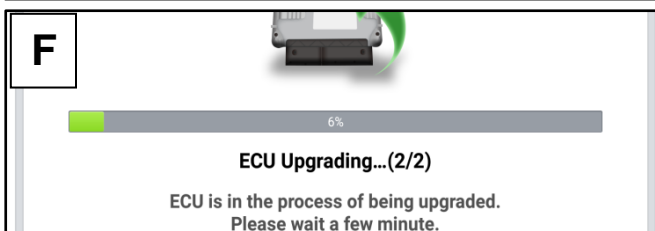
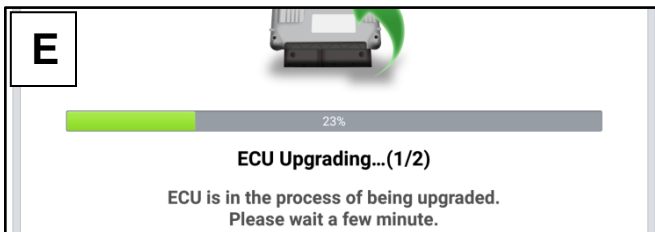
Select **Upgrade Event #444 (SL)** and select **Upgrade** to continue.



- The ECU upgrade will begin and the progress of the upgrade will appear on the bar graph. Upgrade part (1/2) (E) will download the upgrade event to the VCI-II. Upgrade part (2/2) (F) will upgrade the ECU.

! CAUTION

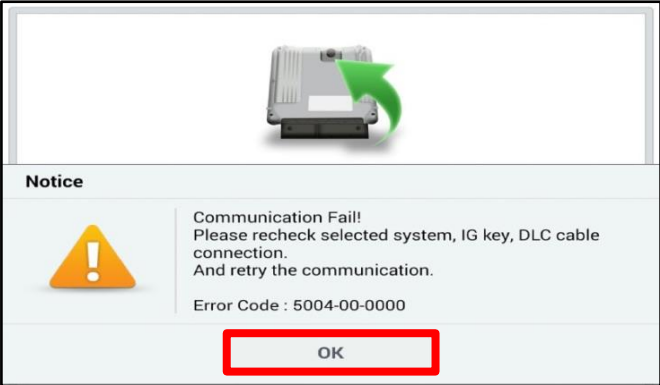
Do not touch the system buttons (like 'Back', 'Home', 'etc.') while performing ECU Upgrade.



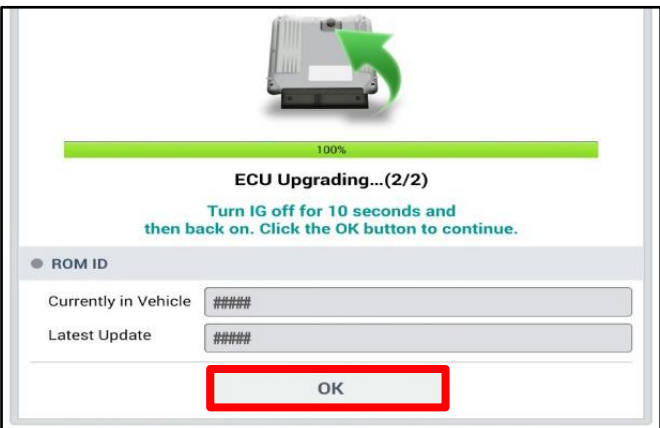
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- If a “Communication Fail” screen appears, verify that the VCI-II and KDS are communicating properly. Touch **OK** and restart the procedure from step 4.

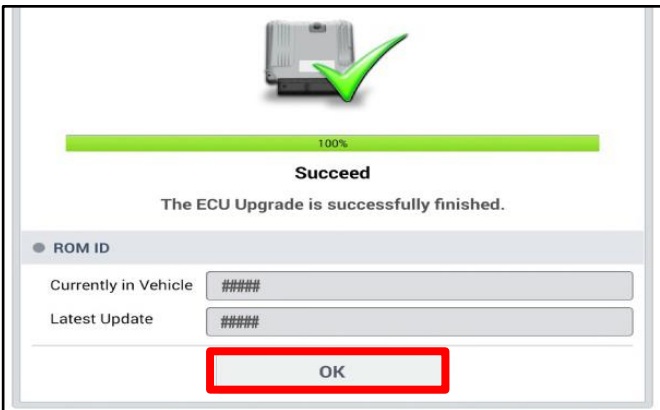
*** NOTICE**
If an error notice continues to appear or if the upgrade cannot be performed, **DO NOT** disconnect the KDS/VCI-II. Contact GIT America Help Desk at (888) 542-4371 or Techline.



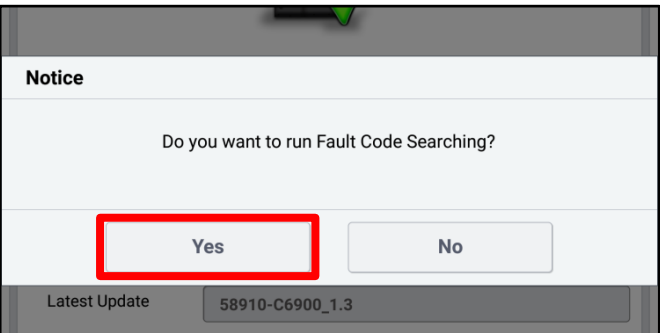
- When instructed on the KDS, turn the ignition **OFF** for ten (10) seconds then back on. Touch **OK** to continue.



- Once the upgrade is complete, touch **OK** to finalize the procedure.



- When prompted, select **YES** to check for Diagnostic Trouble Codes (DTC) and erase any DTCs stored such as EPS, ESC, and TPMS that may have been set during the upgrade.



- Start the engine to confirm proper operation of the vehicle.



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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

Menu	Password
SL 2.4 GDI SULEV -IMMO (14MY) : 39107-2GCG5	0725
SL 2.4 GDI SULEV +IMMO/SMK (14MY) : 39107-2GCG0	0720
SL 2.4 GDI SULEV -IMMO (15MY) : 39107-2GCG6/G7	0727
SL 2.4 GDI SULEV +IMMO/SMK (15MY) : 39107-2GCG1/G2	0722
SL 2.4 GDI SULEV -IMMO (16MY) : 39107-2GCG8	0728
SL 2.4 GDI SULEV +IMMO/SMK (16MY) : 39107-2GCG3	0723

1. Within the ECU Upgrade screen displayed, select **Manual Mode**.
2. Select the **ECM** system under the System selection menu. Select **Upgrade Event #444 (SL)** and select **Upgrade** to continue.
3. Select the appropriate control unit part number with reference to the ROM ID Information Table on page 3, and select **OK**.
4. Enter the appropriate password from the Manual Mode password table above and select **OK**.
5. The upgrade will begin and the progress of the upgrade will appear on the bar graph.
6. When instructed on the KDS, turn the ignition **OFF** for ten (10) seconds then back on. Touch **OK** to continue.
7. Once the upgrade is complete, touch **OK** to finalize the procedure.
8. When prompted, select **YES** to check for Diagnostic Trouble Codes (DTC) and erase any DTCs stored such as EPS, ESC, and TPMS that may have been set during the upgrade.
9. Start the engine to confirm proper operation of the vehicle.

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ATTENTION: THE PROOF OF COMPLETION CARD AND CAMPAIGN COMPLETION STICKER ARE RESTRICTED TO ONLY DEALERS IN THE FOLLOWING STATES:

California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, Oregon, Pennsylvania, Rhode Island, Vermont, Washington, New York and Delaware.

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, Connecticut, Maine, Maryland, Massachusetts, New Jersey, Oregon, Pennsylvania, Rhode Island, Vermont, Washington, New York and Delaware. 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:

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.

Apply SC185 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.**



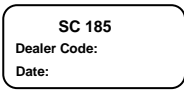
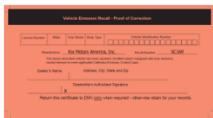
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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Sportage (SL)	September 30, 2013 through November 16, 2015

REQUIRED PART:

Part Name	Part Number	Figure
Campaign Completion Label	UT160 SC185*	
Vehicle Emission Recall Proof of Correction Card	UT161 SC000**	

*Order Controls are in place by "State".

**CA, CT, MN, MD, MA, NJ, OR, PE, RI, VT, WA, NY and DE "States" only.

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	39107 2GCG5	0	(SC185) SL THETA 2.4L SULEV Emission Logic Improvement	190116R0	0.3 M/H	N/A	0

*** NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC185 when accessing the WebDCS system.

