



GROUP
Safety Recall Campaign

MODEL
2017-2021MY
Listed Models

NUMBER
SC206 (Rev 1, 05/04/2021)

DATE
March 2021

SAFETY RECALL CAMPAIGN

SUBJECT: NEW FUSE KIT INSTALLATION IN JUNCTION BOX AND SOFTWARE INSTALLATION (SC206)

★ 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 the procedure to install a new fuse kit for the Hydraulic Electronic Control Unit (HECU) in the junction box on some Sportage (QL) and Cadenza (YG) vehicles listed in the table below. Also, affected Sportage (QL) vehicles equipped with the Electronic Parking Brake (EPB) / without Smart Cruise Control (SCC) will also get the HECU software logic update. The affected vehicles may exhibit numerous warnings, including illumination of the tire pressure warning light, ABS warning light, MIL warning light, a burning/melting smell and/or smoke from engine compartment in the area where the HECU is located. It is believed that the electrical circuit within the HECU experiences a short circuit condition that results in excessive current, thereby increasing the risk of an engine compartment fire. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

SC206_	MY	Model	Production Date	Procedure
SC206A	17-21MY	Sportage (QL) w/No EPB	12/10/2015 – 10/23/2020	Page 2
SC206B	17-21MY	Sportage (QL) w/EPB	12/10/2015 – 10/23/2020	
SC206C	17-19MY	Cadenza (YG)	06/02/2016 – 06/14/2019	Page 4

★ NOTICE

There is no charge to the vehicle owner for this repair. Under applicable law, you may not sell or otherwise deliver any affected vehicle until it has been repaired pursuant to the procedures set forth in this bulletin.

★ 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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HECU Fuse Replacement Procedure for Sportage (QL):

1. Disconnect the negative (-) battery terminal and open the junction box cover.



2. Remove the following two (2) fuses from the junction box:





1. ABS1
2. ABS2

Note: Drill a hole through the center of the removed fuse(s). DO NOT reuse.



3. Install the two (2) new required applicable ABS1/ABS2 fuses. Refer to step 4 for the correct locations.



Applicable Fuses	
(QL) NO EPB (30A)	  ABS1 ABS2
(QL) w/EPB (25A)	  ABS1 ABS2



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Multi-Fuse and Junction Box Cover Replacement for Cadenza (YG):

1. Disconnect the negative (-) battery terminal.
2. Remove the junction box cover.



3. Remove the Multi-Fuse retaining nut.

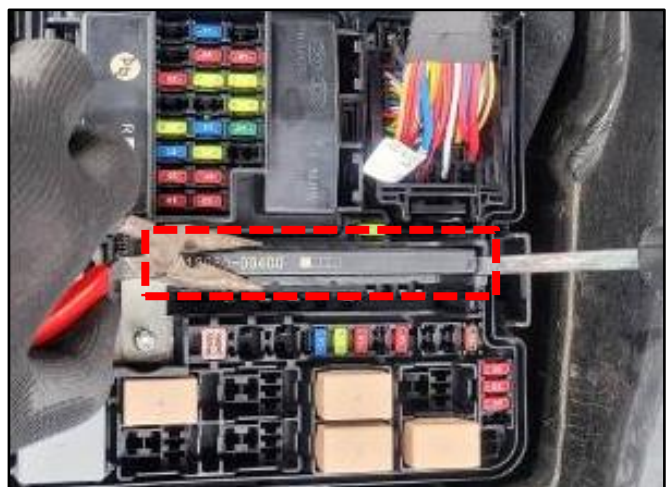


Note: Drill a hole through the center of the removed fuse(s). DO NOT reuse.

- 4a. Separate the fixing hook to remove the Multi-Fuse.
- 4b. Install the new Multi-Fuse and tighten the retaining nut.

Torque Specifications for nut:
16.6 - 19.5 lb.ft (22.5 - 26.5 N.m,
1.0 - 1.2 kgf.m)

5. Install the new junction box cover.



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ECU Upgrade Procedure for Sportage (QL) w/EPB only:

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

Upgrade Event Name
544.QL ABS/ESC CONTROL LOGIC IMPROVEMENT (EPB ONLY, Except SCC)
551. QL ABS/ESC CONTROL LOGIC IMPROVEMENT (EPB ONLY, Except SCC)


* NOTICE

- **Confirm a fully charged battery with 12.3 volts or higher is necessary or the use of 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 done with the ignition key in the 'ON' position unless otherwise stated.
- 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.

* 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:

Upgrade Event #544 or #551 (EPB Only)

Model	SYS	EPB	IMMO 	ECU P/No.	ROM ID	
					Previous	New
QL	ABS/ESC	Yes	Yes	58920 D9530 58920 D9630 58920 D9720	QL ESC 1.00 1.00AO6GAD1D13-2-8311	QL ESC 1.00 1.03AO6GAG1E13-2-A925
				58920D9200 58920 D9820 58920 D9821 58920 D9920	QL ESC 1.00 1.02 AO6GAF1E13-2-8B19	
						QL ESC 1.00 1.01 AO6GAE1D13-2-8412
					QL ESC 1.3 R26GAF1C11-2-5B10	
					QL ESC 1.5 R26GAH1D12-2-6930	QL ESC 1.6 R26GAI1D12-2-1325

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.

*** 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.



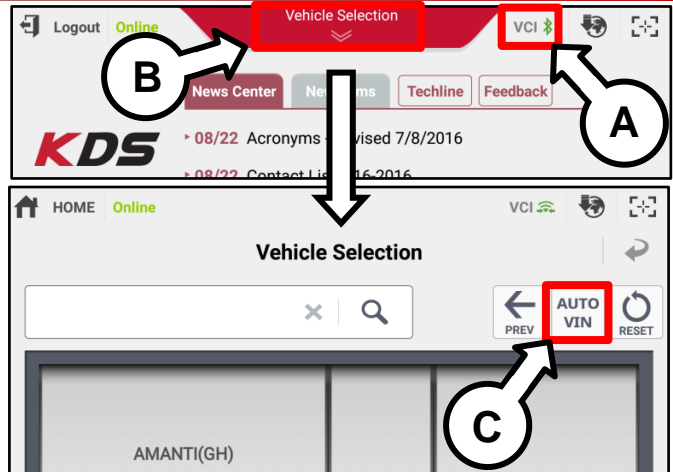
2. With the ignition ON, turn ON the KDS tablet. Select **KDS** from the home screen.



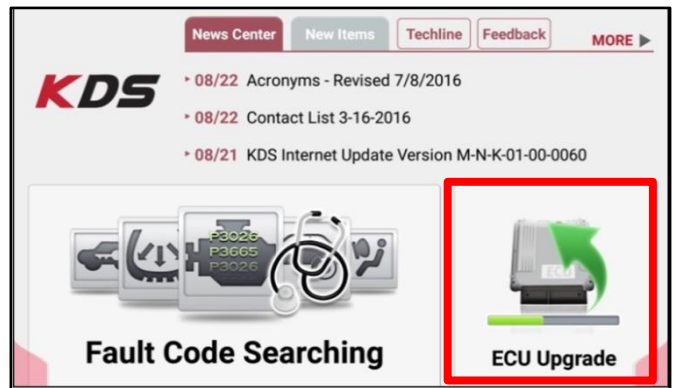
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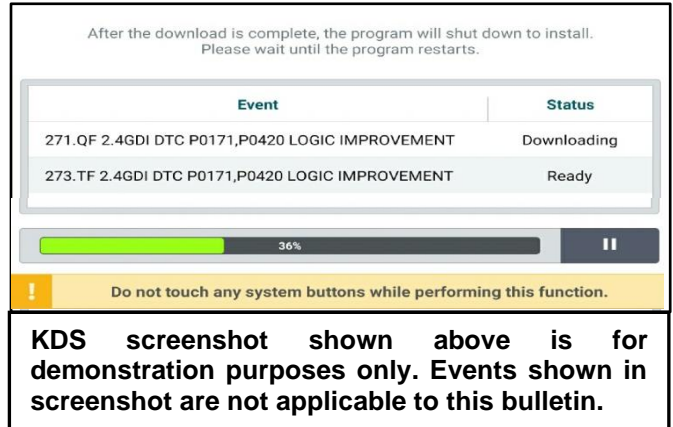
3. Confirm communication with VCI (A) and then configure the vehicle (B) using the **AUTO VIN** (C) feature.



4. Select **ECU Upgrade**.



5. The KDS will check the server for recently uploaded Events and then automatically download **Upgrade Event #544 or #551**.



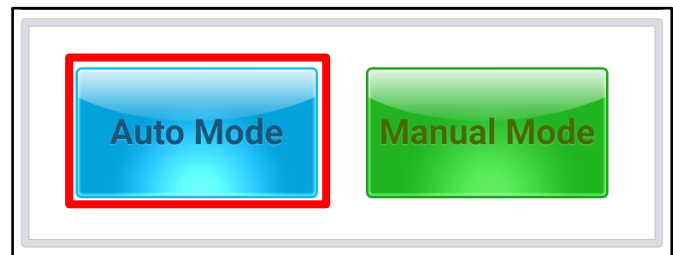
*** NOTICE**

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

6. 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.



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- Select the **ABS/ESP** system under the System selection menu.

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

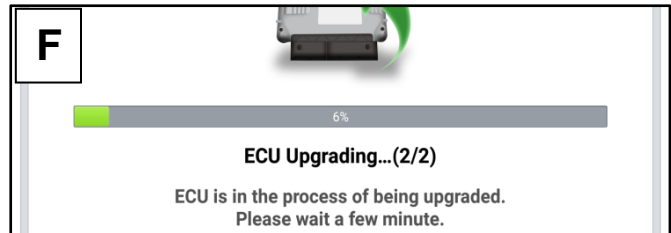
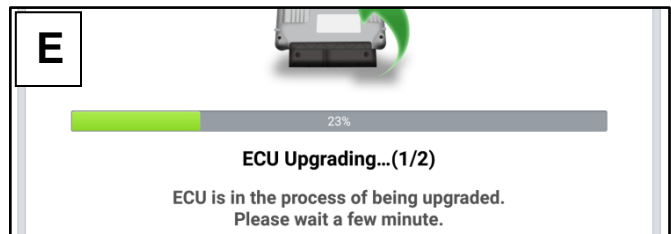
Select **Upgrade Event #544 or #551 (D)** and select **Upgrade** to continue.



- 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

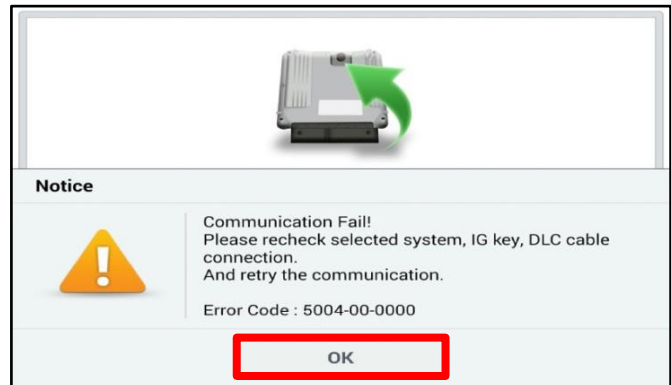
Do not touch the system buttons (like 'Back', 'Home', 'etc.') while performing ECU Upgrade.



- 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**

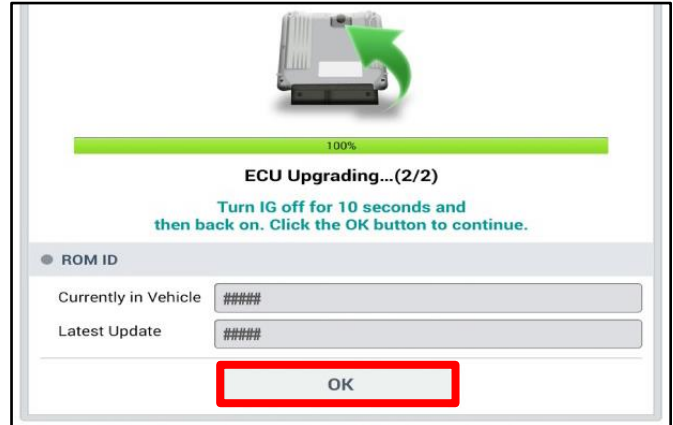
If an error notice continues to appear or if the upgrade cannot be performed, DO NOT disconnect the KDS/VCI-II. Contact GIT America Help Desk at (888) 542-4371 or Techline.



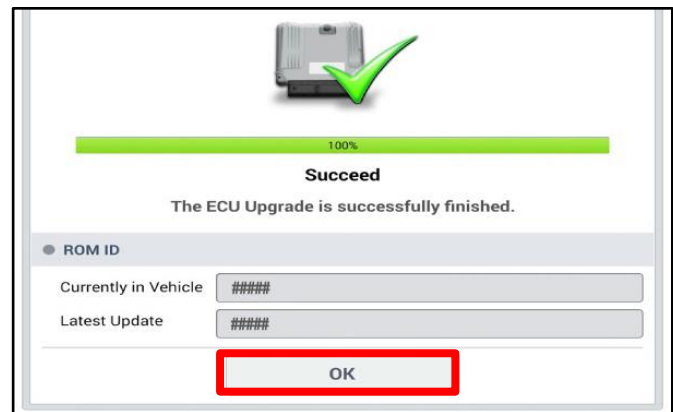
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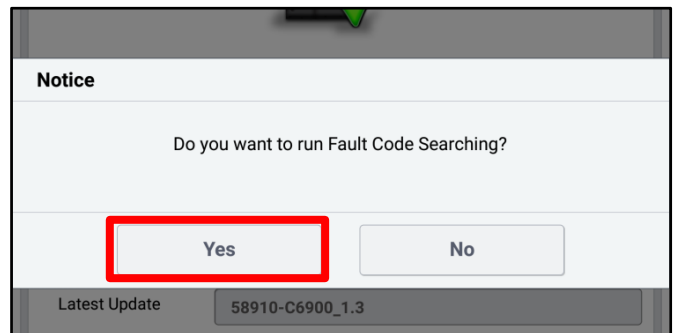
10. When instructed on the KDS, turn the ignition **OFF** for ten (10) seconds then back on. Touch **OK** to continue.



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



12. 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.



13. 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

Event#	Menu	Password
544	QL ABS/ESC (EPB only): 58900-D9530	0359
551	QL ABS/ESC (EPB only): 58900-D9200 [~5715/5B10]	0029
	QL ABS/ESC (EPB only): 58900-D9200 [~6930]	0030

1. Within the ECU Upgrade screen displayed, select **Manual Mode**.
2. Select the **ABS/ESC** system under the System selection menu. Select **Upgrade Event #544 or #551** and select **Upgrade** to continue.
3. Select the appropriate control unit part number with reference to the ROM ID Information Table on page 6, 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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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Sportage (QL)	December 10, 2015 to October 23, 2020
Cadenza (YG)	June 6, 2016 to June 14, 2019

REQUIRED PART:

Part Name	Part Number	Figure	Qty.
Fuse Kit (QL) No EPB	91KIT D330AQQK*	<p>ABS1 ABS2</p> <p>ABS 30A ABS 30A</p>	1
Fuse Kit (QL) w/EPB	91950 D9250QQK	<p>ABS1 ABS2</p> <p>ABS 25A ABS 25A</p>	1
Multi-Fuse and Junction Box Cover (YG)	91950 F6820QQK		1

*Note: Only use the specified parts shown above; additional parts included in the kit may be discarded. Kit P/N 91KIT D330AQQK may be superseded by P/N 91950 D9300QQK upon depletion of part stock.



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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.
QL	R	58920 D9530	0	(SC206A) ABS1/ABS2 30A Fuse Replacement (No EPB)	211038R0	0.3 M/H	91KIT D330AQQK <u>or</u> 91950 D9300QQK	1
				(SC206B) ABS1/ABS2 25A Fuse Replacement & ESC S/W Update (w/EPB)	211038R1	0.5 M/H	91950 D9250QQK	1
YG		58920 F6010	0	(SC206C) Multi Fuse and Junction Box Cover Replacement	211039R0	0.3 M/H	91950 F6820QQK	1

Note: Refer to Warranty Bulletin 2021-05 for claim submission procedures.

* NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SC206 A/B/C** when accessing the WebDCS system.