	GROUP ELE	MODEL 2017MY Sportage (QL)
	NUMBER 118	DATE October 2016
TECHNICAL SERVICE BULLETIN		
SUBJECT: SERVICE ACTION: BCM UPGRADE-FUEL DOOR OPEN LOGIC IMPROVEMENT (SA247)		

This bulletin provides information related to the BCM (Body Control Module) software upgrade on 2017MY Sportage (QL) vehicles to improve the fuel door open logic. To install the upgraded logic, the BCM should be reprogrammed using the GDS/KDS download. Additionally, two stickers explaining the new fuel door/door lock logic will be applied to each affected vehicle: one on the instrument cluster and one on the fuel door, as described in this bulletin. Kia is requesting the completion of this Service Action on all affected vehicles in dealer stock prior to delivery. For confirmation that the latest reflash has been done to a vehicle you are working on, verify ROM ID using the tables in this TSB.



Global Diagnostic System (GDS)



Kia Diagnostic System (KDS)

*** 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 WebDCS (Service> Warranty Coverage> Warranty Coverage Inquiry> Campaign Information). Not completed Recall / Service Action reports are available on WebDCS (Consumer Affairs> Not Completed Recall> Recall VIN> Select Report), which includes a list of affected vehicles.

This issue number is SA 247.

File Under: <Electrical>

- Circulate To:** General Manager Service Manager Parts Manager
- Service Advisor(s) Technician(s) Body Shop Manager Fleet Repair

SUBJECT:

**SERVICE ACTION: BCM UPGRADE-FUEL DOOR
OPEN LOGIC IMPROVEMENT (SA247)****ECU Upgrade Procedure:**

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

UPGRADE EVENT NAME
297. QL BCM Fuel Door Open Logic Improvement

*** NOTICE**

- A fully charged battery is necessary before ECU upgrade can take place. It is recommended that the Midtronics GR8-1299 system be used in ECU mode during charging. **DO NOT** connect any other battery charger to the vehicle during ECU upgrade.
- All ECU upgrades must be done with the ignition key in the 'ON' position.
- Be careful not to disconnect any cables connected to the vehicle or GDS 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 20 seconds before starting the engine.
- **ONLY** use approved ECU upgrade software designated for the correct model and year.

**CAUTION**

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 ECU 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 TABLES

VEH	LDT (Linear Displacement Transducer)	ECM P/NO	ROM ID	
			PREVIOUS	
QL	X	95400-D9700		1.10
		95400-D9710	1.00	
		95400-D9740	1.01	
		95400-D9760	1.02	
		95400-D9770	1.03	
		95400-D9800	1.04	
		95400-D9820	1.05	
	95400-D9840	1.06		
	O	95400-D9EW0	1.07	
		95400-D9EX0	1.08	
		95400-D9EY0	1.09	
		95400-D9EZ0		

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

*** NOTICE**

If performing this procedure using KDS, refer to TSB SST 037 for detailed information.

Automatic Upgrade Procedure using GDS:

1. Connect the power supply cable to the GDS/KDS.

*** NOTICE**

If attempting to perform the ECU upgrade with the power supply cable disconnected from the GDS, be sure to check that the GDS is fully charged before ECU upgrade. If the GDS is not fully charged, failure to perform the ECU upgrade may occur. Therefore, it is strongly recommended that the power supply connector be connected to the GDS.

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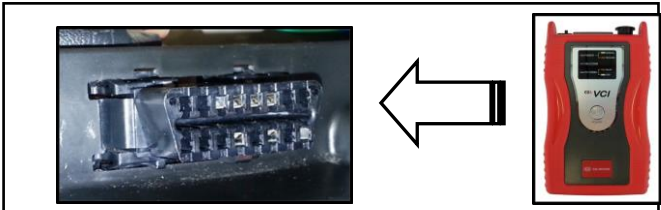
- 2. Connect the USB cable between the VCI and the GDS.

*** NOTICE**

When performing the ECU upgrade using the GDS, wireless communication between the VCI and GDS is not available. Therefore, be sure to connect the USB cable between the VCI and the GDS.

- 3. Connect the Main 16-pin DLC cable (GHDM – 241000) to the VCI.

- 4. Connect the Main 16-pin DLC cable (GHDM – 241000) to the OBD-II connector, located under the driver's side of the instrument panel.



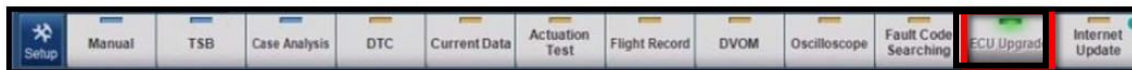
- 5. With the ignition key ON, turn **ON** the VCI and GDS. Access the GDS vehicle identification number (VIN) screen and configure the vehicle using the **VIN AUTO DETECT** Function.

- 6. Select **BCM** system and click **OK**.



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- Once back at the GDS Main Screen, select **ECU Upgrade** from the bottom right-hand corner. Next, select **Auto Mode** and then **BCM**. Perform the upgrade in accordance with normal GDS upgrade procedures.



- After the Current ROM ID is displayed, select the appropriate **Upgrade Event “#297 QL BCM Fuel Cap Logic Improvement.”**



- Click **OK** on the battery voltage check screen.
- Upgrade will begin and the progress of the upgrade will appear on the bar graph.
- The upgrade will proceed until 100% is reached on the bar graph. Turn the ignition key **OFF** for 10 seconds, place it back in the **ON** position and click **OK** to continue according to information displayed on the screen.
- Click **OK** on the final screen, which indicates upgrade is complete.
- Check if any incidental Diagnostic Trouble Codes DTC(s) have been created by the upgrade process; clear any DTC(s) that may be present.
- Confirm proper fuel door operation by pressing the rear center edge of the lid when driver's door is unlocked and verify the door functions properly. The lid can only be closed when the driver's door is unlocked.



CAUTION

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 ECU to become inoperative after the upgrade and any claims associated with this repair may be subject to chargeback.

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Manual Mode ECU Upgrade Passwords:

* NOTICE

Do NOT attempt to perform a Manual Mode upgrade unless Auto Mode fails. Always follow the instructions given on the GDS in either Auto or Manual mode. See table for Manual Mode passwords.

Upgrade event #297 Sportage (QL)

Menu	Password
QL BCM : 95400-D9700/710/740/760/770/800/820/840	9840
QL BCM (LDT) : 95400-D9EW0/X0/Y0/Z0	4000

Manual Upgrade Procedure using GDS:

1. Within the **ECU Upgrade** screen, select **Manual Mode** in the left column, select **BCM** and then select **Upgrade Event 297**. Select the appropriate control unit part number by referring to the ROM ID Information Table on Page 3, and click **OK**.
2. Enter the appropriate password from the table above, and then click **OK**.
3. Upgrade will begin and the progress of the upgrade will appear on the bar graph.
4. Click **OK** on the final screen. The upgrade event is now complete.
5. Check if any incidental Diagnostic Trouble Codes DTC(s) have been created by the upgrade process; clear any DTC(s) that may be present.
6. Confirm proper fuel door operation by pressing the rear center edge of the lid when driver's door is unlocked, ensuring that the door functions properly. The lid can only be closed when the driver's door is unlocked.

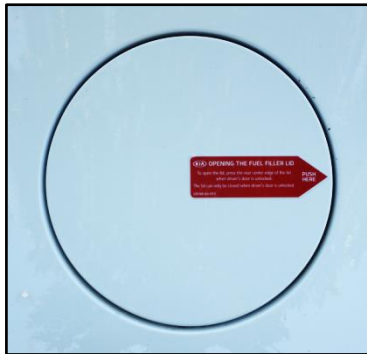
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15. Attach the appropriate stickers to the fuel door and instrument cluster as shown.

*** NOTICE**

Make sure to remove the plastic protective film on instrument cluster before installing sticker.
Stickers should only be removed by the customer after delivery.

Fuel Door Location



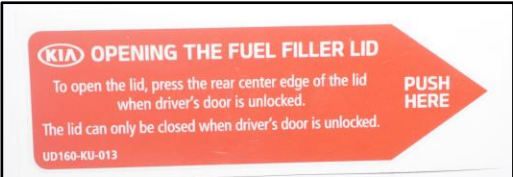
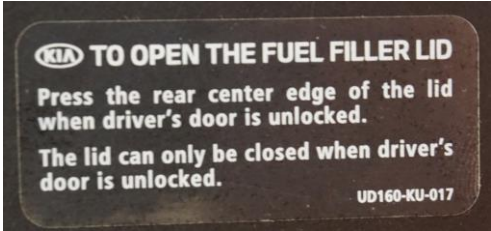
Instrument Cluster Location



AFFECTED VEHICLE PRODUCTION RANGE:

MODEL	MODEL YEAR
Sportage (QL)	December 10, 2015 – October 3, 2016

PART INFORMATION:

Part Name	Figure	Part Number	Remarks
Fuel door sticker		N/A	Initial quantity directly supplied by KMA
Cluster sticker		N/A	

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WARRANTY INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
V	95400 D9EX0	0	N99	C99	(SA247) QL BCM software upgrade and sticker attach	160105R0	0.3 M/H	N/A	0

* NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA 247 when accessing the WebDCS system.