	GROUP <b>Service Campaign</b>	MODEL <b>2014~2015MY Soul (PS)</b>
	NUMBER <b>SC 117 (REV 1, 03/31/2015)</b>	DATE <b>March 2015</b>
<b>VOLUNTARY SERVICE CAMPAIGN</b>		
SUBJECT: <b>SOUL (PS) – ACU LOGIC UPDATE (SC117)</b>		

**\* 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 information related to the update of the Airbag Control Unit (ACU) logic of some 2014~2015MY Soul (PS) vehicles, produced from July 21, 2013 through November 26, 2014, to reduce the likelihood of rollover airbag deployments in a few extreme driving events; typically at low speeds and involving parking valets and/or prolonged multi-level garage driving. To install the new logic, the ACU should be updated using the GDS/KDS download, as described in this bulletin. Kia is requesting the completion of this Service Campaign on all affected vehicles, including 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)

**\* 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.**

**File Under: <Service Campaign >**

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

**Upgrade Procedure:**

The ACU should be reprogrammed using the GDS download, as described in this bulletin.

UPGRADE EVENT NAME
237.PS PS ACU S/W LOGIC UPGRADE

**\* NOTICE**

- A fully charged battery is necessary before the upgrade can take place. It is recommended that the Midtronics GR8-1299 system be used in ECM mode during charging. **DO NOT** connect any other battery charger to the vehicle during the upgrade.
- Be careful not to disconnect any cables connected to the vehicle or GDS during the upgrade procedure.
- **DO NOT** start the engine during the upgrade.

**ROM ID INFORMATION TABLES:****Upgrade Event #237**

MODEL	SYSTEM	ACU P/N	Version	ROM ID	
				PREVIOUS	NEW
PS	ACU	95910 B2010	E221	95910 B2010_E221	<b>95910 B2010_E245</b>
		95910 B2000	E220	95910 B2000_E220	<b>95910 B2000_E245</b>

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

1. Connect the power supply cable to the GDS.

**\* NOTICE**

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

SUBJECT:

## SOUL (PS) –ACU LOGIC UPDATE (SC117)

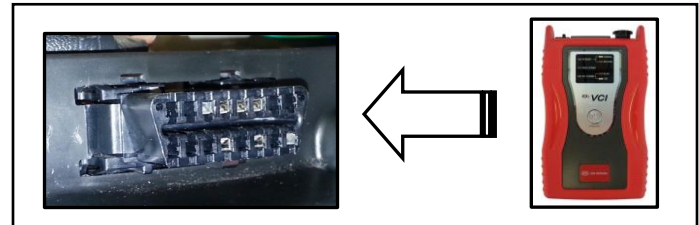
2. Connect the USB cable between the VCI and the GDS.

### \* NOTICE

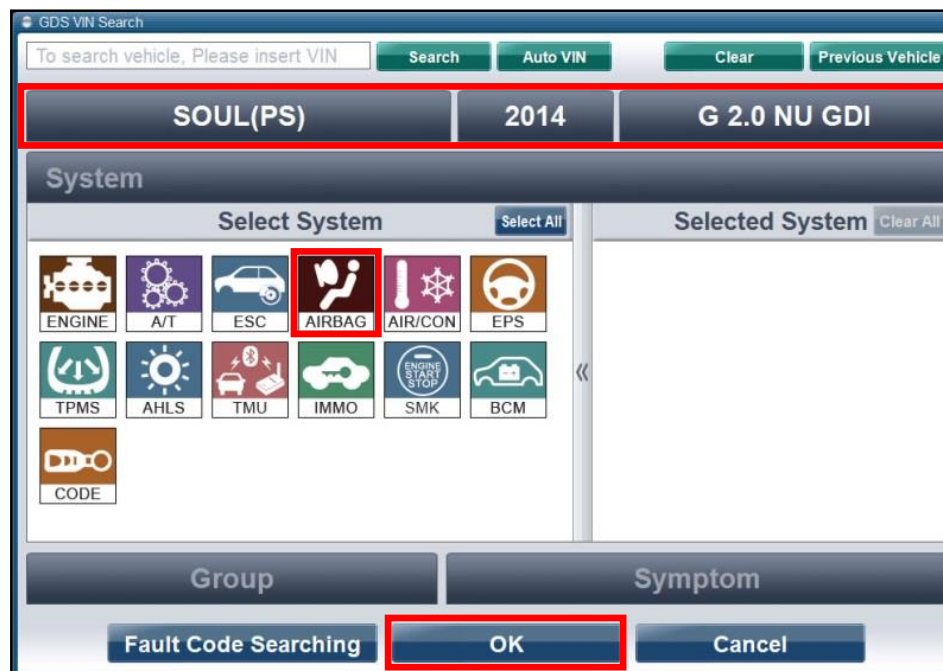
When performing the upgrade using the GDS, wireless communication between the VCI and GDS is not available. Therefore, be sure to connect the USB cable between the VCI and the GDS.

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.

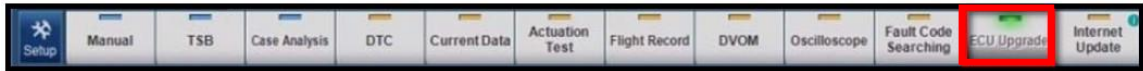


5. With the ignition key ON, turn ON the VCI and GDS. Access the GDS vehicle identification number (VIN) screen and configure the vehicle using the **VIN AUTO DETECT** Function.
6. Select **AIRBAG** system and click **OK**.



**SUBJECT: SOUL (PS) –ACU LOGIC UPDATE (SC117)**

7. Select **ECU Upgrade** from the bottom right-hand corner. Next select **Auto Mode**, and then **Upgrade Event 237.PS ACU S/W LOGIC UPGRADE**. Perform the upgrade in accordance with normal GDS ECM upgrade procedures.



8. When the GDS reports that the ACU upgrade has been successfully completed, click **OK** and turn the ignition off for ten (10) seconds.
9. Check if any incidental Diagnostic Trouble Codes (DTC(s)) have been created by the upgrade process; clear any DTC(s) that may be present.
10. Start the vehicle to confirm proper operation.

**\* 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 the table below for Manual Mode passwords.**

**Manual Mode Upgrade**

**MANUAL MODE ACU UPGRADE PASSWORDS:**

**Upgrade Event #237 Soul (PS)**

MENU	PASSWORD
PS ACU: 95910-B2010	<b>2010</b>
PS ACU: 95910 B2000	<b>2000</b>

SUBJECT:

## SOUL (PS) –ACU LOGIC UPDATE (SC117)

1. Within the ECU Upgrade screen, select **Manual Mode** in the left column, select **AIRBAG** system and then select **Upgrade Event 237.PS PS ACU S/W LOGIC UPGRADE**. Select the appropriate control unit part number by referring to the ROM ID Information Table on Page 2, and click **OK**.
2. Enter the appropriate password from the table on Page 4, and click **OK**.
3. Upgrade will begin and the progress of the upgrade will appear on the bar graph.
4. When the GDS reports that the ACU upgrade has been successfully completed, click **OK** and turn the ignition off for ten (10) seconds.
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. Start the vehicle to confirm proper operation.

## AFFECTED VEHICLE PRODUCTION RANGE:

Model	Date Range
Soul (PS)	From July 21, 2013 through November 26, 2014

## WARRANTY INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Time	Related Parts	Qty.
R	95910 B2010	0	N99	C99	(SC117) ACU Logic Upgrade	140086R0	0.3 M/H	N/A	0

**\* 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.