	GROUP	MODEL
	Service Campaign	**2016MY Sorento (UMa) SXL w/3.3LV6 GDI**
	NUMBER	DATE
	SC 118	**April 2015**

VOLUNTARY SERVICE CAMPAIGN

SUBJECT: SORENTO (UMa) – PCM LOGIC REPROGRAMMING (SC118)

This bulletin provides the procedure to reprogram the Power Control Module (PCM) logic for the Advanced Smart Cruise Control (ASCC) in certain 2016MY Sorento (UMa) SX Limited (SXL) vehicles equipped with a 3.3L V6 engine, Technology Package and produced from October 27, 2014 through March 26, 2015. The vehicles in question may experience difficulty in maintaining the speed set by the cruise control system when driven on an incline of 6% or greater. To resolve this concern, Kia has decided to reprogram the Powertrain Control Module (PCM) logic. To install the new logic, the PCM should be reprogrammed using the GDS 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 completed on the vehicle you are working on, verify ROM ID using the tables in this TSB.

Global Diagnostic System (GDS)

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.

File Under: <Service Campaign >

Circulate To: ☒ **General Manager** ☒ **Service Manager** ☒ **Parts Manager**

☒ **Service Advisor(s)** ☒ **Technician(s)** ☒ **Body Shop Manager** ☐ **Fleet Repair**

SUBJECT: SORENTO (UMa) – PCM LOGIC REPROGRAMMING (SC118)

Upgrade Procedure:

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

UPGRADE EVENT NAME
253.UMA 3.3GDI SCC SHIFT 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.**

Upgrade Event #253

ROM ID INFORMATION TABLES:

MODEL	SYSTEM	PCU P/N	ROM ID	
			PREVIOUS	NEW
UMa	PCM	39111 3CWN0 39101 3CWN0	TUM0Z33N******S1	**TUM0Z33N******S2**

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.

★ NOTICE

If using KDS to perform this upgrade, refer to TSB SST 037 for detailed instructions.

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.

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

★ NOTICE

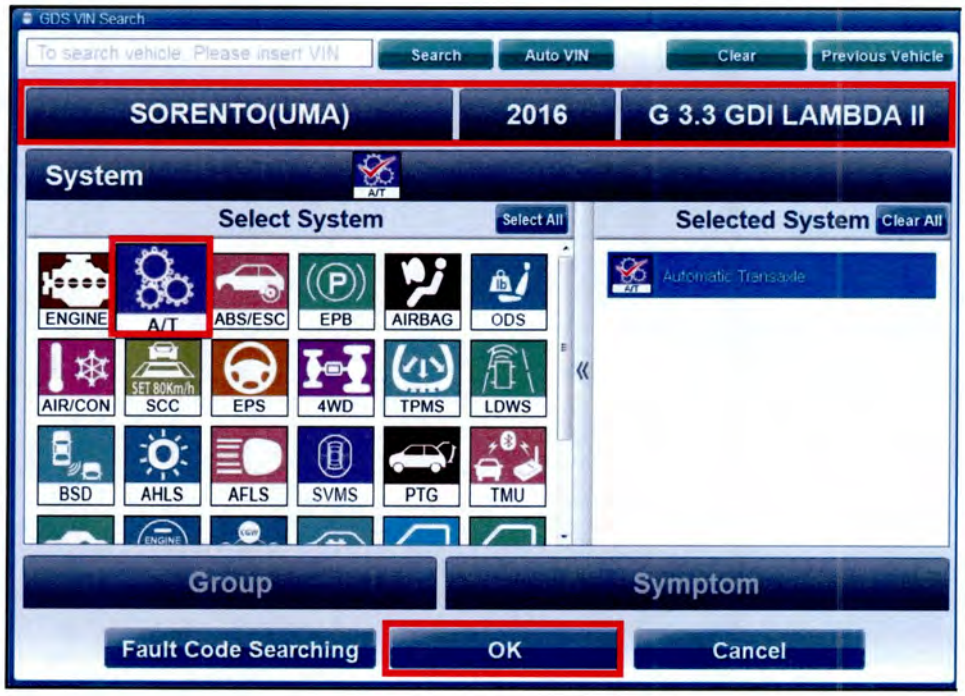
When performing the upgrade using the GDS, wireless communication between the VCI and GDS is not available. Therefore, be sure to connect the USB cable between the VCI and the GDS.

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 **A/T** system and click **OK.**



7. Select **ECU Upgrade** from the bottom right-hand corner. Next select **Auto Mode**, and then **Upgrade Event 253**. Perform the upgrade in accordance with normal GDS ECU upgrade procedures.

8. Check for Diagnostic Trouble Codes using the GDS and erase any DTCs stored such as EPS, ESC, and TPMS that may have been set during reprogramming.

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

★ NOTICE

Resetting of the Adaptive Learning Values is <u>NOT</u> necessary after performing this upgrade.

Manual Mode Upgrade

★ 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 PASSWORDS:

Upgrade Event #253 Sorento (UMa)

Model	MENU	PASSWORD
Sorento (UMa)	UMa NAS TCU : 39111/101-3CWN0	**0130**

1. Within the ECU Upgrade screen, select **Manual Mode** in the left column, select **A/T** System and then select **Upgrade Event 253**. 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 above, 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 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.

★ NOTICE

Resetting of the Adaptive Learning Values is <u>NOT</u> necessary after performing this upgrade.

SUBJECT: SORENTO (UMa) – PCM LOGIC REPROGRAMMING (SC118)

AFFECTED VEHICLE PRODUCTION RANGE:

Model	Date Range
Sorento (UMa)	From October 27, 2014 through March 26, 2015

WARRANTY INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Time	Related Parts	Qty.
R	39101 3CWN0	0	N99	C99	(SC118) PCM Upgrade	150A10R0	0.3 M/H	N/A	0

Note: Resetting of the Adaptive Learning Values is NOT necessary after performing this upgrade.

* NOTICE

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