



GROUP  
**Emissions Recall  
Campaign**

MODEL  
**2017MY  
Sorento (UMa) 3.3L GDI**

NUMBER  
**SC136**

DATE  
**September 2016**

## VOLUNTARY EMISSIONS RECALL

SUBJECT:

**TCU UPGRADE - LAMBDA 3.3GDI 6AT TCU  
ROM ID MISMATCH (SC136)**

This bulletin provides information related to the Transmission Control Unit (TCU) software upgrade for sixty (60) 2017MY Sorento (UMa) vehicles produced on May 10, 2016 to address ROM ID mismatch. To apply the improved logic, the TCU should be reprogrammed using the GDS/KDS download, as described in this bulletin. For confirmation that the latest reflash has been applied to a vehicle you are working on, verify ROM ID using the tables in this TSB. Before conducting the procedure, verify the vehicle is included in the list of sixty (60) affected VINs (listed on Page 8).



Global Diagnostic System (GDS)



Kia Diagnostic System (KDS)

### \* 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.**

**File Under: <Voluntary Emissions Recall Campaign>**

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

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

**SUBJECT: TCU UPGRADE - LAMBDA 3.3GDI 6AT TCU  
ROM ID MISMATCH VOLUNTARY EMISSIONS RECALL (SC136)**

**TCU Upgrade Procedure:**

To apply the improved logic, the TCU should be reprogrammed using the GDS/KDS download, as described in this bulletin.

UPGRADE EVENT NAME
292.UMa Lambda 3.3L GDI 6AT TCU ROM ID Mismatch

**★ NOTICE**

- A fully charged battery is necessary before ECM 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 ECM upgrade.
- All ECM 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 ECM upgrade procedure.
- **DO NOT** start the engine during ECM upgrade.
- **DO NOT** turn the ignition key 'OFF' or interrupt the power supply during ECM upgrade.
- When the ECM upgrade is completed, turn the ignition 'OFF' and wait 10 seconds before starting the engine.
- **ONLY** use approved ECM upgrade software designated for the correct model, year.

 **CAUTION**

Before attempting an ECM 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 #292 Sorento (UMa)**

MODEL	T/M	TCU P/N	ROM ID	
			PREVIOUS	NEW
UMa 3.3L GDI	6AT	39101-3CWN1	TUM0Z33U*****S2	TUM0Z33N*****S7
		39111-3CWN1		

*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.*

1. Connect the power supply cable to the GDS.

**\* NOTICE**

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

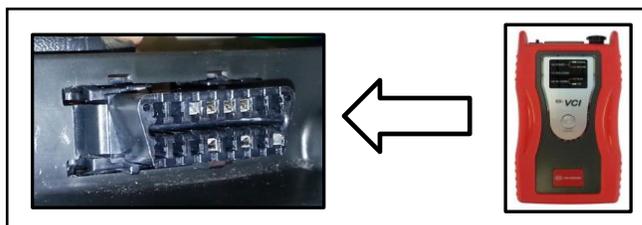
2. Connect the USB cable between the VCI and the GDS.

**\* NOTICE**

When performing the ECM 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.

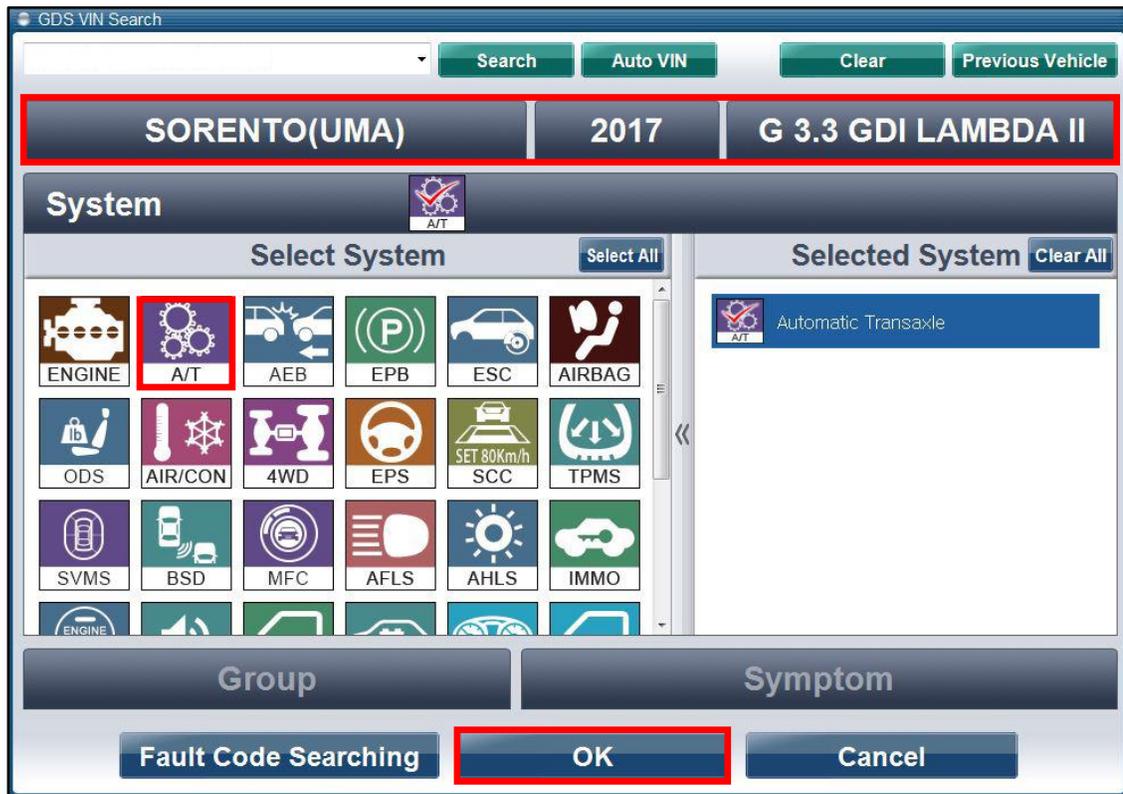


5. With the ignition key ON, turn ON the VCI and GDS. Access the GDS vehicle identification number (VIN) screen and configure the vehicle using the **VIN AUTO DETECT** Function.

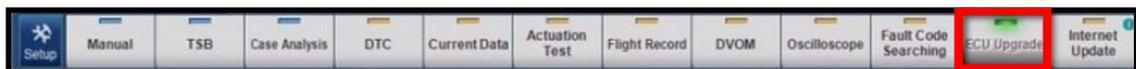
SUBJECT:

# TCU UPGRADE - LAMBDA 3.3GDI 6AT TCU ROM ID MISMATCH VOLUNTARY EMISSIONS RECALL (SC136)

6. Select **AT** system and click **OK**.



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



8. Confirm proper operation of the vehicle.



## CAUTION

Before attempting an ECM 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.

**SUBJECT: TCU UPGRADE - LAMBDA 3.3GDI 6AT TCU  
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**\* 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.**

**Manual Mode Upgrade**

**MANUAL MODE UPGRADE PASSWORD:**

**Upgrade Event #292 Sorento (UMa)**

<b>EVENT</b>	<b>SYS</b>	<b>MENU</b>	<b>PASSWORD</b>
#292	TCU	UMA Lambda 3.3GDI 6AT TCU : 39101/11 - 3CWN1	1131

1. Within the ECM Upgrade screen, select **Manual Mode** in the left column, select **A/T** and then select **Upgrade Event #292**. Select the appropriate control unit part number by referring to the ROM ID Information Table on Page 3, and click **OK**.
2. Enter the 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 TCU upgrade has been successfully completed, click **OK**, turn OFF the ignition key, and wait at least 10 seconds before attempting to start the engine.
5. Check for Diagnostic Trouble Codes using the GDS and erase any DTCs stored that may have been set during reprogramming.
6. Confirm proper operation of the vehicle.

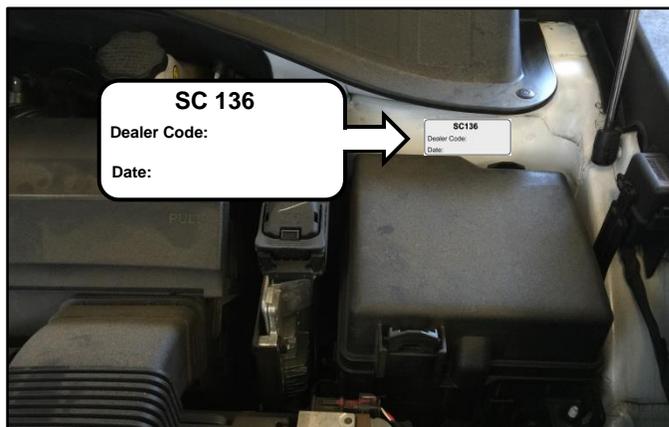


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**FILLING OUT AND APPLYING THE CAMPAIGN COMPLETION LABEL:**

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 the SC 136 Campaign Completion Label onto the body in the area next to shock tower, as shown. **NOTE: Be sure to clean the mounting surface to ensure proper label adhesion.**



**\* NOTICE**

Both the Proof of Correction Card and the Campaign Completion Sticker should **ONLY** be applied to vehicles in the 13 States listed on page 6.

REQUIRED PARTS:

Part Name	Part Number	Figure
Campaign Completion Label	UK170 SC136	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p><b>SC136</b></p> <p>Dealer Code:</p> <p>Date:</p> </div>
Vehicle Emission Recall-Proof of Correction Card	UK171 SC136	

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## AFFECTED VIN LIST:

5XYPG4A50HG196992	5XYPGDA52HG197061	5XYPG4A52HG196881
5XYPG4A54HG196994	5XYPGDA56HG196978	5XYPG4A53HG196999
5XYPGDA5XHG197079	5XYPGDA57HG197055	5XYPG4A54HG196882
5XYPG4A57HG196990	5XYPGDA57HG197072	5XYPG4A56HG196883
5XYPG4A51HG196998	5XYPGDA59HG197056	5XYPGDA50HG196961
5XYPG4A52HG196993	5XYPGDA5XHG197065	5XYPGDA52HG196959
5XYPGDA5XHG197082	5XYPGDA50HG197074	5XYPGDA54HG196980
5XYPGDA54HG197076	5XYPGDA52HG197075	5XYPGDA56HG196981
5XYPGDA59HG197073	5XYPGDA50HG196958	5XYPGDA53HG196940
5XYPGDA51HG197097	5XYPGDA51HG196760	5XYPGDA54HG197062
5XYPGDA58HG197078	5XYPGDA59HG196957	5XYPGDA5XHG196935
5XYPGDA56HG197077	5XYPG4A5XHG196997	5XYPGDA50HG196975
5XYPGDA56HG197080	5XYPGDA51HG196919	5XYPGDA50HG197060
5XYPGDA50HG196927	5XYPGDA51HG196984	5XYPGDA51HG196967
5XYPGDA57HG196925	5XYPGDA55HG196986	5XYPGDA53HG196968
5XYPGDA59HG196926	5XYPGDA58HG196948	5XYPGDA55HG196969
5XYPGDA57HG197086	5XYPGDA52HG196976	5XYPGDA55HG196972
5XYPG4A54HG197000	5XYPGDA54HG196977	5XYPGDA53HG197084
5XYPG4A58HG196884	5XYPGDA54HG197093	5XYPG4A5XHG196806
5XYPGDA50HG197057	5XYPG4A50HG196880	5XYPG4A56HG196804

## AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date
Sorento (UMa)	May 10, 2016

## WARRANTY CLAIM INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Time	Related Parts	Qty.
R	39111 3CWN1	0	N99	C99	(SC136) TCU Upgrade	161A29R0	0.3 M/H	N/A	0

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