TECHNICAL SERVICE BULLETIN

SUBJECT: DDM / ADM SYSTEM LOGIC IMPROVEMENT /PARASITIC DRAW REDUCTION

★ 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 reprogramming of the Driver's Door Module (DDM) and the Assist Door Module (ADM) of some 2015MY Sedona (YP) vehicles, produced from Job #1 through February 12, 2015. The vehicles in question are equipped with Integrated Memory Seats (IMS), and the customer may complain that the side mirrors do not return to their exact original position, after reversing the vehicle, or about a "no start" condition caused by an intermittent battery discharge due to excessive parasitic draw. To correct these conditions, the ADM/DDM systems should be reprogrammed using the GDS/KDS download, as described in this bulletin.

Global Diagnostic System (GDS)

Kia Diagnostic System (KDS)

★ NOTICE

- **This TSB contains two update events (#254 and #257). Perform both events, one after the other.**
- **If performing this TSB using KDS, refer to TSB SST 037 for detailed information.**

File Under: <ELECTRICAL>

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

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

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Upgrade Procedure:

To correct this condition, the DDM /ADM systems should be reprogrammed using the GDS download as described in this bulletin.

UPGRADE EVENT NAME
254.YP DDM LOGIC IMPROVEMENT
257.YP ADM LOGIC IMPROVEMENT

★ 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/KDS during the upgrade procedure.**
- **DO NOT start the engine during the upgrade.**

ROM ID INFORMATION TABLES:

Upgrade Event #254 and #257

MODEL	SYSTEM	ECM P/N	ROM ID	
			PREVIOUS	NEW
YP	DDM	93570 A9420	100 101	**102**
	ADM	93575 A9010/110/510/610		

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. Turn the ignition switch to the **OFF** position.

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

★ NOTICE

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

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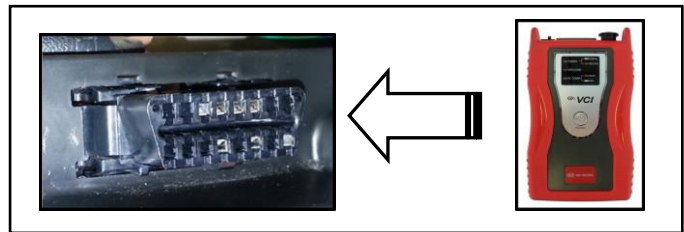# DDM / ADM SYSTEM LOGIC IMPROVEMENT / PARASITIC DRAW REDUCTION

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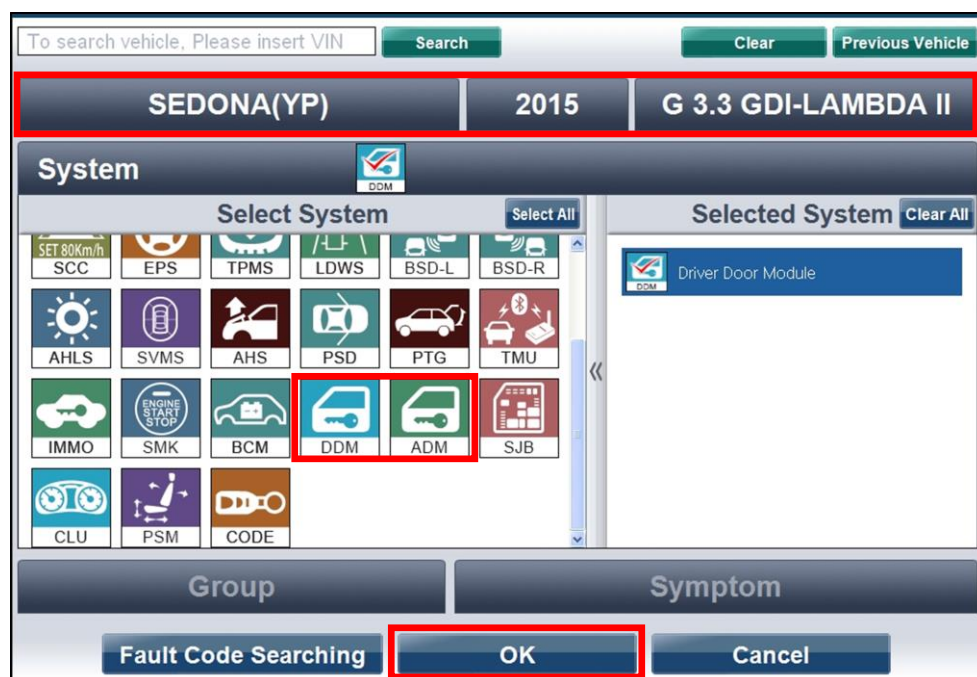

★ NOTICE

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

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

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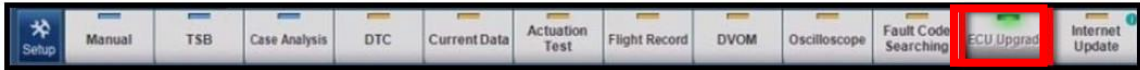

6. With the ignition key ON, turn ON the VCI and GDS/KDs. Access the GDS vehicle identification number (VIN) screen and configure the vehicle using the **VIN AUTO DETECT** Function.

7. Select **DDM /ADM** System and click **OK.**

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

9. When the GDS/KDS reports that the upgrade has been successfully completed, click **OK** and turn the ignition off for ten (10) seconds.

10. Check if any incidental Diagnostic Trouble Codes (DTC(s)) have been created by the upgrade process; clear any DTC(s) that may be present.

11. Confirm proper operation of the side mirrors. **NOTE: make sure the mirror adjustment selector switch is set to L or R.**

TSB: ELE 086 (REV 1) Sedona (YP) June 2015

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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/KDS in either Auto or Manual mode. See the table on Page 5 for Manual Mode passwords.**

MANUAL MODE ECM UPGRADE PASSWORDS:

Upgrade Event #254 and #257 Sedona (YP)

EVENT #	MENU	PASSWORD
254	YP DDM : 93570 A9420	**9420**
257	YP ADM : 93575 A9110/510/610	**9610**

1. Within the ECU Upgrade screen, select **Manual Mode** in the left column, select **DDM / ADM** System and then select **Upgrade Event 254 or 257**. 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. Confirm proper operation of the side mirrors. **NOTE: make sure the mirror adjustment selector switch is set to L or R.**

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AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Sedona (YP)	From Job #1 through February 12, 2015

WARRANTY INFORMATION:

Claim Type	Causal P/N	Qty	N Code	C Code	Repair Description	Labor Op Code	Time	Related Parts	Qty
W	95450 A9100	0	N94	C40	(ELE 086) DDM/ADM Logic Upgrade	93570F05	0.3 M/H	N/A	0