



GROUP
CHA

MODEL
2014~2015MY
Forte (YD)
2014MY
Sportage (SL)

NUMBER
065 (REV 1, 02/18/2016)

DATE
February 2016

TECHNICAL SERVICE BULLETIN

SUBJECT: COMBINED TSB /SERVICE ACTION: MIL ON WITH DTC C1212 - LOGIC IMPROVEMENT (SA 216)

* 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 ECM software upgrade of some 2014~2015MY Forte (YD), produced from December 7, 2013 to April 16, 2015, and some 2014MY Sportage (SL) vehicles, produced from April 4, 2013 through June 18, 2014, which may exhibit a Malfunction indicator Light (MIL) on with DTC C1212. To apply the improved logic, the ECM should be reprogrammed using the GDS/KDS download, as described in this bulletin. 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.

For vehicles not on the Affected Vehicles list, but with a customer concern as described above, perform the following procedure outlined in this bulletin and submit a warranty claim per "customer concern" (Standard TSB) claim information on Page 7.

DTC C1212 – Vehicle Speed Sensor

* 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 216.

File Under: <Engine>

Circulate To: General Manager Service Manager Parts Manager

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

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ECM Upgrade Procedure:

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

UPGRADE EVENT NAME
247.YD TPMS DTC(C1212) LOGIC IMPROVEMENT
260.SL TPMS DTC(C1212) LOGIC IMPROVEMENT

*** 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.

ROM ID INFORMATION TABLES :

Upgrade event #247 Forte (YD) and Upgrade Event 260 (Sportage (SL))

MODEL	MY	ECM P/NO	ROM ID	
			PREVIOUS	NEW
Forte (YD)	2014 2015	95800 A7010 95800 A7020	V1.5 V1.7 V1.9	1.10
Sportage (SL)	2014	95800 2S400	V1.4 V1.6 V1.7	1.10

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.

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*** 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.

*** NOTICE**

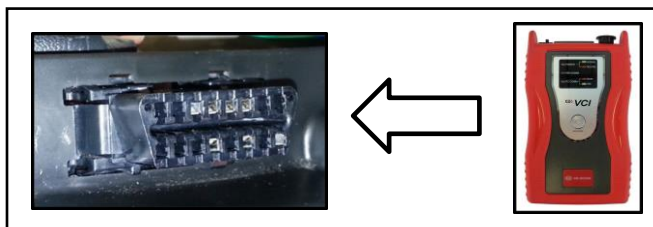
If performing this TSB using KDS, refer to TSB SST 037 for detailed information.

1. Connect the power supply cable 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.

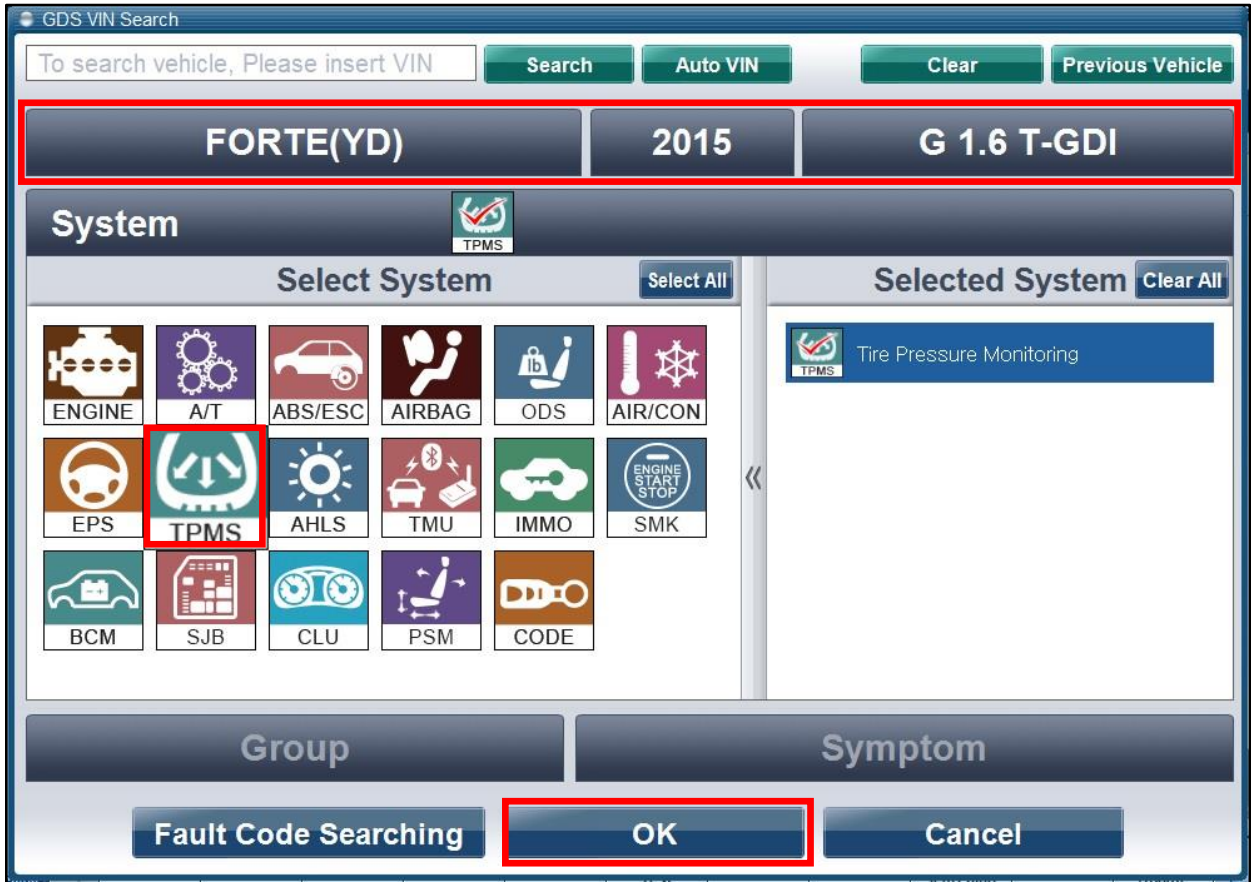
3. Connect the Main 16-pin DLC cable (GHDM – 241000) to the VCI.
4. Connect the Main 16-pin DLC cable (GHDM – 241000) to the OBD-II connector, located under the driver's side of the instrument panel.



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.

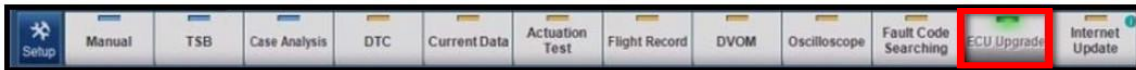
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6. Select **TPMS** system and click **OK**.



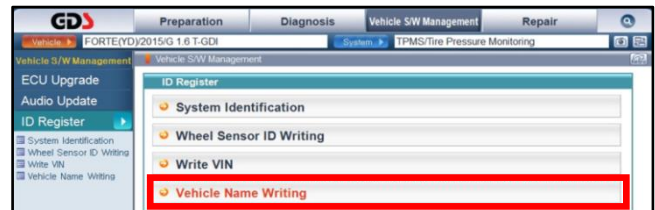
Display screen above is for demonstration only purposes and will vary depending on model.

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



8. After TPMS ECU upgrade is completed, access **Vehicle S/W Management > ID Register > Vehicle Name Writing**.

NOTE: If Vehicle Name Writing is not performed, DTC C1660 or C1611 will set. It is NOT possible to clear these DTCs without performing a Vehicle Name Writing operation.

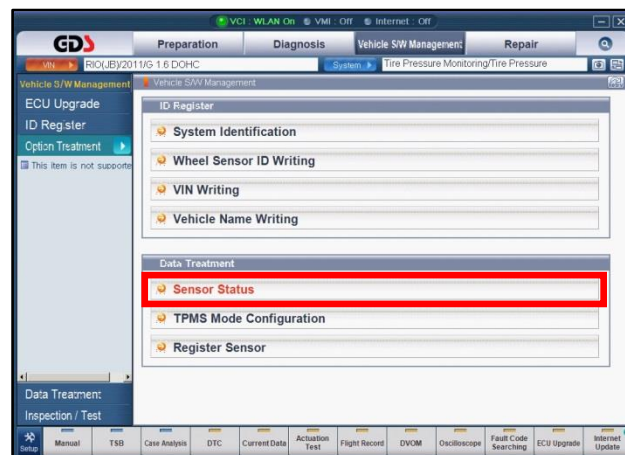


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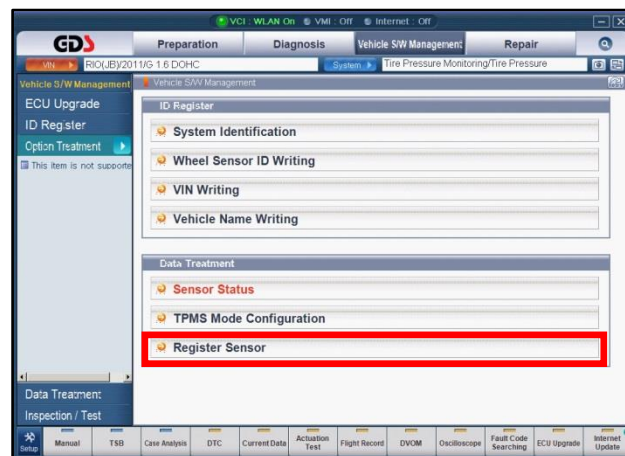
9. After performing the Vehicle Name Writing operation, verify the the TPMS sensor IDs are registered in the system by running **Sensor Status**.

*** NOTICE**

Refer to TSB GEN 045 for more information on TPMS systems.



10. If the TPMS sensor IDs are not registered in the system, perform a **Register Sensor** operation.



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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 ECM UPGRADE PASSWORDS:**

*** Do NOT perform Manual Mode ECM upgrade unless Auto Mode fails.**

Upgrade event #247 Forte (YD) and Upgrade event #260 Sportage (SL)

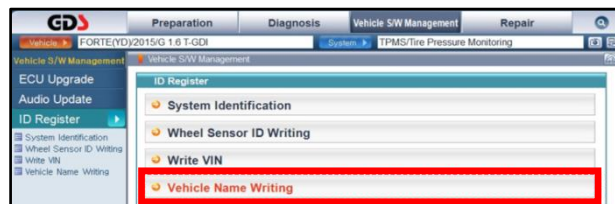
Event No.	Menu	Password
#247	YD TPMS : 95800-A7010/020	7020
#260	SL TPMS : 95800-2S400	7020

1. Within the ECM Upgrade screen, select **Manual Mode** in the left column, select **TPMS** system and then select **Upgrade Event #247 or Upgrade Event #260**. Select the appropriate control unit part number by referring to the ROM ID Information Table on Page 2, 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 ECM 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. Start the engine to confirm proper operation of the vehicle.

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7. After TPMS ECU upgrade is complete, access **Vehicle S/W Management > ID Register > Vehicle Name Writing on GDS/KDS**.

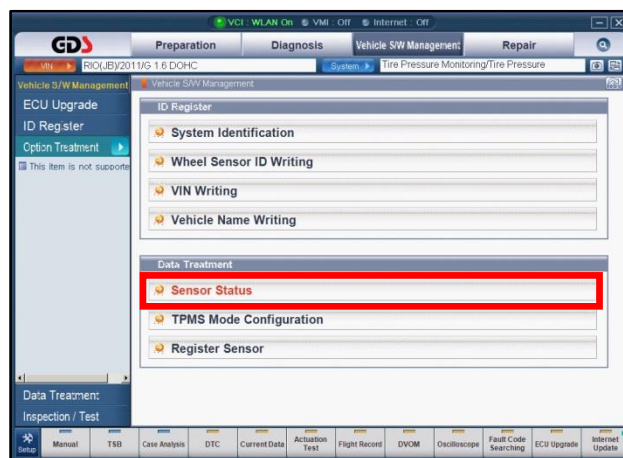
NOTE: If **Vehicle Name Writing** is not performed, DTC C1660 or C1611 will set. It is **NOT** possible to clear these DTCs without performing a **Vehicle Name Writing** operation.



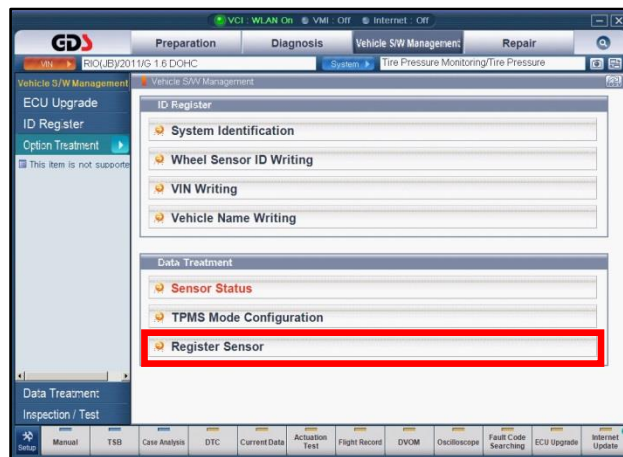
8. After performing the **Vehicle Name Writing** operation, verify the TPMS sensors IDs are registered in the system by running **Sensor Status**.

*** NOTICE**

Refer to **TSB GEN 045** for more information on TPMS systems.



9. If the TPMS sensor IDs are **NOT** registered in the system, perform a **Register Sensor** operation.



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AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Forte (YD)	From December 7, 2013 to April 16, 2015
Sportage (SL)	From April 4, 2013 through June 18, 2014

SERVICE ACTION CLAIM INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Time	Related Parts	Qty.
V	95800 A7010 (YD)	0	N99	C99	(SA 216) ECM Upgrade	160004R0	0.3 M/H	N/A	0
	95800 2S400 (SL)					160006R0			

STANDARD WARRANTY CLAIM INFORMATION:

Use this information only to file a warranty claim for vehicles for which:

1. A customer complains of the same concern, as described on Page 1.
2. The VIN does not appear on the Affected Vehicles list for Service Action 216.
3. The vehicle model year and production date range are as identified in this bulletin.

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Time	Related Parts	Qty.
W	95800 A7010 (YD)	0	I3T	ZZ3	(CHA 065) ECM Upgrade	95800F03	0.3 M/H	N/A	0
	95800 2S400 (SL)					95800F05			

*** NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA 216 when accessing the WebDCS system.