KIA MOTORS

TECHNICAL SERVICE BULLETIN

SUBJECT:	SERVICE ACTION: ECM UPGRADE – MIL ON WITH DTC P0564 (SA072)

This bulletin provides information related to the ECM software upgrade of some 2011MY Forte (TD) 2.0L 6AT vehicles produced from start of production to December 29, 2010 which may experience a Malfunction Indicator Lamp illuminated with the ECM (Electronic Control Module) system-related DTC P0564.

- **P0564** - Cruise Control Multi-Function Input A Circuit

To ensure maximum customer satisfaction, Kia is requesting the completion of this Service Action on all affected Forte vehicles. Please perform this Service Action for all dealer in-stock units <u>prior to retail sales</u>.

For confirmation that the latest reflash has been performed to a vehicle you are working on, verify ROM ID using the tables in this TSB.

Global Diagnostic System (GDS)

To correct this condition, the ECM should be reprogrammed using the GDS or G-Scan download as described in this bulletin.

★NOTICE

A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer request 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).

The issue number is SA072.

File Under: Engine

Circulate To: [X] **General Manager** [X] **Service Manager** [X] **Parts Manager**

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

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UPGRADE EVENT NAME
151.11MY TD 2.0 ACC 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 with the blower motor in the 'OFF' position during ECM upgrade.
- Be careful not to disconnect any cables connected to the vehicle or GDS during the PCM 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 at least 10 seconds before starting the engine, according to instructions displayed on the GDS tool.
- ONLY use approved ECM upgrade software designated for the correct model, year.

MODEL YEAR	MODEL	IMMO	ECM P/N	ECM ROM ID	
				PREVIOUS	NEW
2011	TD 2.0	No (-)	39122 2G180	DBF0MM2A DBF0MM2B DBF0MM2C	DBF0MM2D
			39122 2G200	DBU0MM2A DBU0MM2B DBU0MM2C	DBU0MM2D

✱NOTICE

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

1. Connect the power supply cable to the GDS tool or to the diagnostic terminal with the GDS docked.

✱NOTICE

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

SUBJECT:

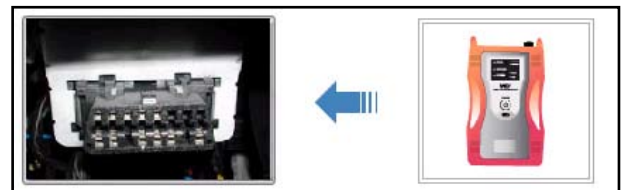SERVICE ACTION: ECM UPGRADE –
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2.   Connect the USB cable between the VCI and the GDS tool.

✱NOTICE

When performing the ECM upgrade using the GDS tool, wireless communication between the VCI and GDS tool is not available. Connecting the VCI to the GDS tool with the USB cable is required.

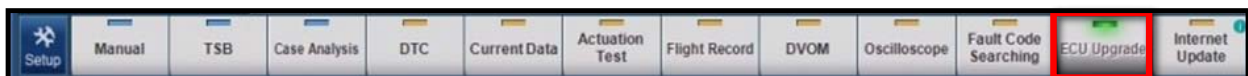3.   Connect the Main 16-pin DLC cable (GHDM – 241000) to the VCI.

4.   Connect the Main 16-pin DLC cable (GHDM – 241000) between the VCI and 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 tool. Access the GDS vehicle identification number (VIN) screen and configure the vehicle using the VIN AUTO DETECT Function.

6.   Once back at the GDS Main Screen, 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 tool ECM upgrade procedures.

✱NOTICE

Do NOT attempt to perform a Manual Mode upgrade unless Auto Mode fails. Always follow the instructions given on the GDS tool in either Auto or Manual mode. See table for Manual Mode passwords.

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MANUAL MODE PCM UPGRADE PASSWORDS:

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

Menu	Password
TD 2.0 -IMMO : 39122 2G180	**2180**
TD 2.0 –IMMO : 39122 2G200	**2200**

7. When the GDS tool 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.

8. Check for Diagnostic Trouble Codes using the GDS and erase any DTCs stored such as EPS, ESC, and TPMS. Due to CAN BUS multiple DTCs may be set during reprogramming.

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

AFFECTED PRODUCTION RANGE:

Start of production ~ December 29, 2010

SERVICE ACTION WARRANTY CLAIM INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Time	Related Parts	Qty.
V	39122 2G180	0	N69	C40	(SA072) ECM Upgrade	110001R0	0.3 M/H	N/A	0

*NOTICE

VIN Inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA072 when accessing the WebDCS system.