

	<b>GROUP</b> <b>Safety Recall Campaign</b>	<b>MODEL</b> <b>2014MY Forte (YD) w/1.8L and 2.0L Engines</b>
	<b>NUMBER</b> <b>SC 113</b>	<b>DATE</b> <b>February 2014</b>
<b>VOLUNTARY SAFETY RECALL CAMPAIGN</b>		
<b>SUBJECT: COOLING FAN RESISTOR AND/OR MULTI-FUSE UNIT REPLACEMENT (SC 113)</b>		

This bulletin provides the procedure for replacing the cooling fan resistor and/or multi-fuse unit in certain 2014MY Kia Forte (YD) vehicles equipped with a 1.8L or 2.0L engine. Under certain circumstances, the cooling fan resistor can melt and create the risk of a potential fire. The Vehicles produced from December 5, 2012 through January 27, 2014 will have the cooling fan resistor and multi-fuse unit replaced. The vehicles produced from January 28, 2014 to April 17, 2014 will have only the multi-fuse unit replaced. For vehicles equipped with 1.8L engines, the ECU will also be reprogrammed. Kia is requesting the completion of this recall campaign on all affected vehicles. Before conducting the procedure, verify the vehicle is included in the list of affected VINs.

For Production Range	Component to Replace	Figure
December 5, 2012 through January 27, 2014	Resistor Multi-Fuse Unit	
January 28, 2014 through April 17, 2014	Multi-Fuse Unit	

**\* 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 improve 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 or service actions that may need to be performed on the vehicle before returning it to the customer.**

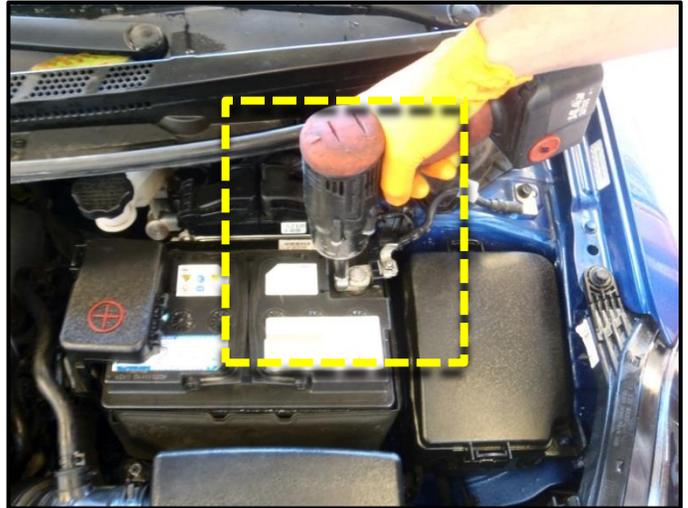
**File Under: <Voluntary Safety Recall Campaign>**

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- Circulate To:**
 **General Manager**
 **Service Manager**
 **Parts Manager**  
 **Service Advisor(s)**
 **Technician(s)**
 **Body Shop Manager**
 **Fleet Repair**

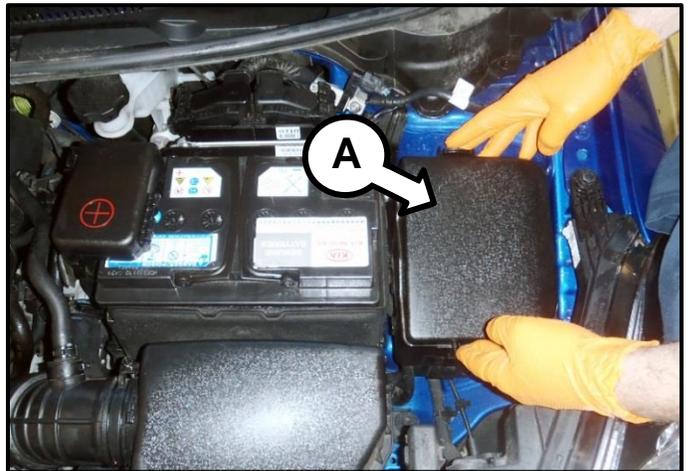
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**Service Procedure:**

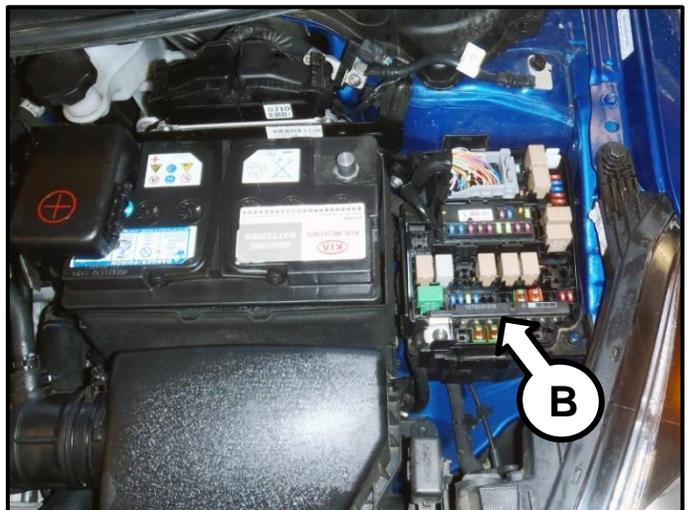
1. Record the customer's radio presets.
2. Disconnect the negative (-) terminal from the battery.



3. Remove the engine room fuse box cover (A).

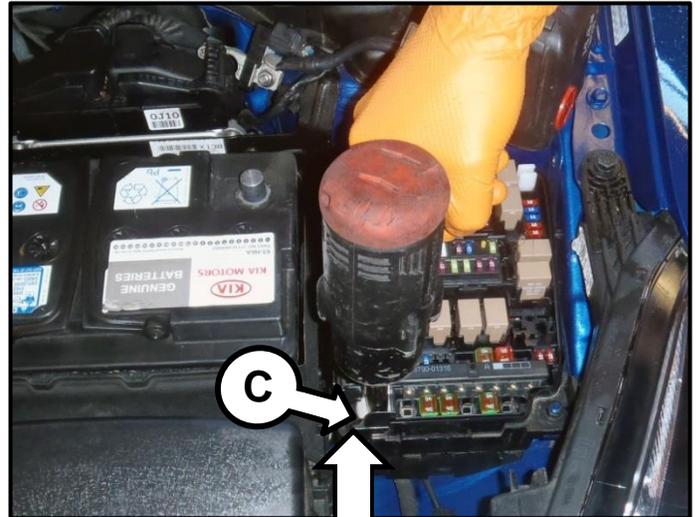


4. Locate the multi-fuse unit (B) at the front of the engine room fuse box.

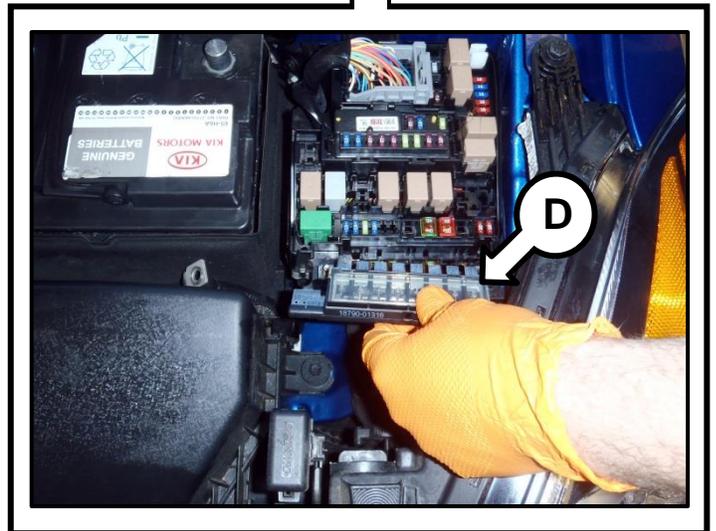


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5. Remove the nut (C) securing the multi-fuse unit to the engine room fuse box.



6. Remove and replace the multi-fuse unit (D) with an improved part, when applicable.

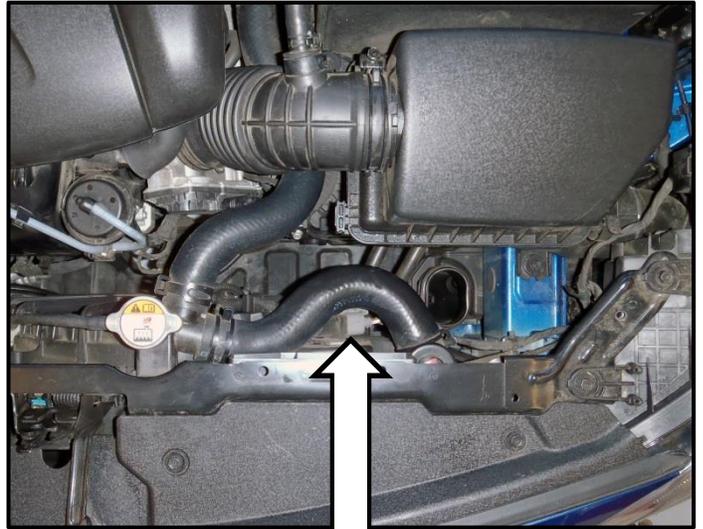


7. Remove the air inlet (E) for the air box assembly.

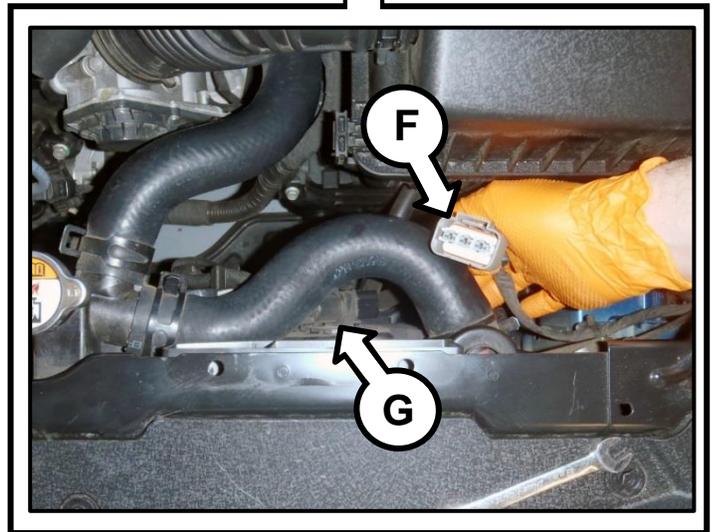


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8. Locate the cooling fan resistor mounted on the engine fan shroud.

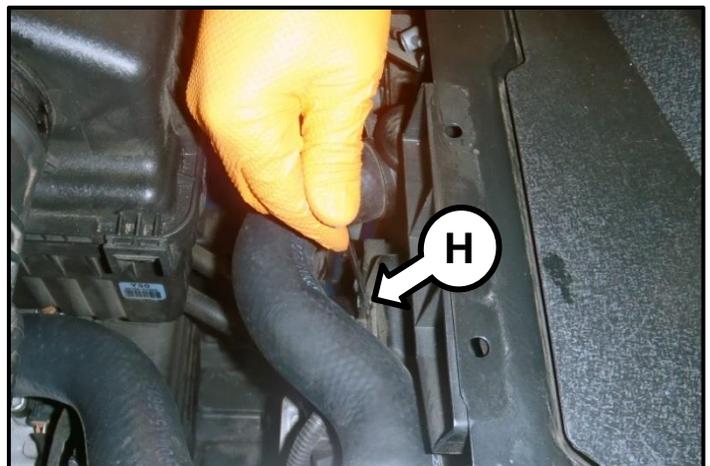


9. Remove the first connector (F) from the cooling fan resistor (G).



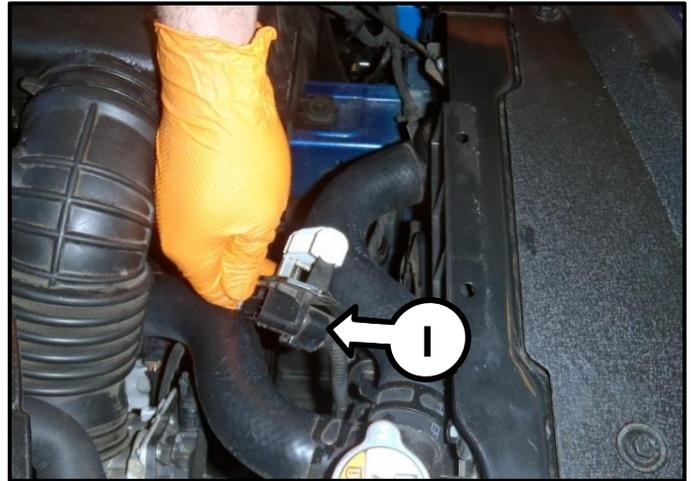
10. Remove the bolt (H) securing the cooling fan resistor to the engine fan shroud.

**Tightening torque:  
1.3 ~ 1.8 lb-ft ( 1.8 ~ 2.5 Nm)**



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11. Remove the second connector (I) from the cooling fan resistor.



12. Install the improved cooling fan resistor, when applicable, by reversing the order removal.
13. Reinstall all other removed components by reversing the order of removal.
14. Reconnect the negative (-) terminal to the battery.
15. Restore the customer's radio presets as recorded in step 1.

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**ECM Upgrade Procedure for Forte (YD) 1.8L:**

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

UPGRADE EVENT NAME
240.YD 1.8 COOLING FAN 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.
- **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 v chargeback. 

SUBJECT:

# COOLING FAN RESISTOR AND/OR MULTI-FUSE UNIT REPLACEMENT (SC 113)

## ROM ID INFORMATION TABLES :

Upgrade event #240

Model	MY	TM	IMMO	ISG	ECM P/N	ROM ID	
						Previous	New
YD 1.8L (SULEV)	14MY	A/T	Yes (+) 	No (-)	39101 2EXA0	YD4SP 1MS2E3A YD4SP 1MS2E3B YD4SP 1MS2E3C YD4SP 1MS2E3D	<b>YD4SP 1MF2H3B</b>
				Yes (+)	39101 2EXJ0	YD4SP 1KS2E3A YD4SP 1KS2E3B YD4SP 1KS2E3C YD4SP 1KS2E3D	<b>YD4SP 1KF2H3B</b>
			No (-)	No (-)	39103 2EXA0	YD4SP 1NS2E3A YD4SP 1NS2E3B YD4SP 1NS2E3C YD4SP 1NS2E3D	<b>YD4SP 1NF2H3B</b>
				Yes (+)	39103 2EXJ0	YD4SP 1JS2E3A YD4SP 1JS2E3B YD4SP 1JS2E3C YD4SP 1JS2E3D	<b>YD4SP 1JF2H3B</b>
YD 1.8 (ULEV)		Yes (+) 	A/T	No (-)	39101 2EXB0	YD4UP 1MS2E3A YD4UP 1MS2E3B YD4UP 1MS2E3C YD4UP 1MS2E3D	<b>YD4UP 1MF2H3B</b>
				Yes (+)	39101 2EXK0	YD4UP 1KS2E3A YD4UP 1KS2E3B YD4UP 1KS2E3C YD4UP 1KS2E3D	<b>YD4UP 1KF2H3B</b>
		No (-)	A/T	No (-)	39103 2EXB0	YD4UP 1NS2E3A YD4UP 1NS2E3B YD4UP 1NS2E3C YD4UP 1NS2E3D	<b>YD4UP 1NF2H3B</b>
				Yes (+)	39103 2EXK0	YD4UP 1JS2E3A YD4UP 1JS2E3B YD4UP 1JS2E3C YD4UP 1JS2E3D	<b>YD4UP 1JF2H3B</b>
	Yes (+) 	M/T	No (-)	39105 2EXB0	YD4UP 1MS2E3A YD4UP 1MS2E3B YD4UP 1MS2E3C YD4UP 1MS2E3D	<b>YD4UP 1MF2H3B</b>	
			No (-)	No (-)	39107 2EXB0	YD4UP 1NS2E3A YD4UP 1NS2E3B YD4UP 1NS2E3C YD4UP 1NS2E3D	<b>YD4UP 1NF2H3B</b>

**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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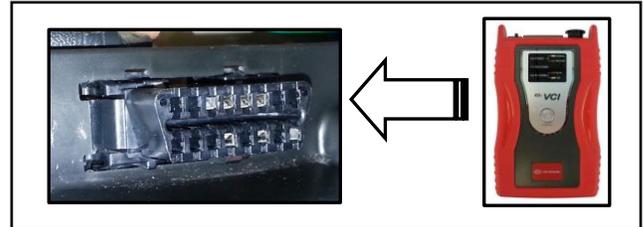
1. Connect the power supply cable to the GDS.

**\* 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.

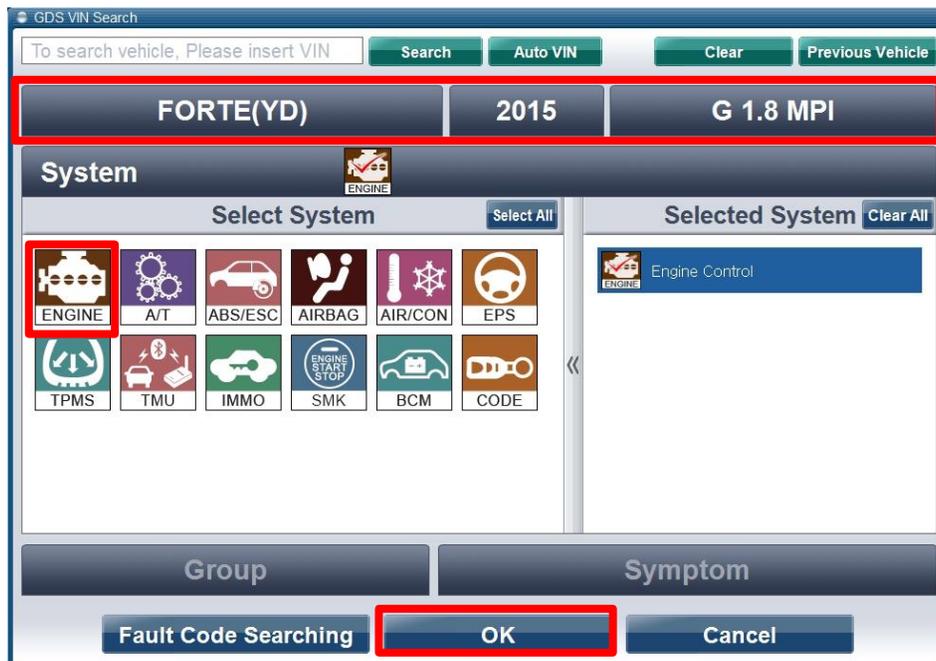
2. Connect the Main 16-pin DLC cable (GHDM – 241000) to the VCI.

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



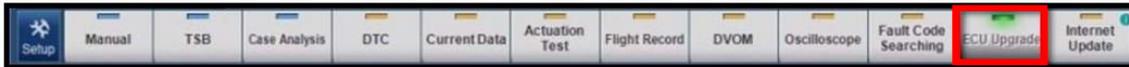
4. With the ignition key ON, turn ON the VCI and GDS. Access the GDS vehicle identification number (VIN) screen and configure the vehicle using the **VIN AUTO DETECT** Function.

5. Select **ENGINE** system and click **OK**.



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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 ECM upgrade procedures.



7. 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.
8. Check if any incidental Diagnostic Trouble Codes (DTC(s)) have been created by the upgrade process; clear any DTC(s) that may be present.
9. Start the engine to confirm proper operation of the vehicle.

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**Manual Mode Upgrade:**

**⚠ 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. 🚫

**\* 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:**

**Upgrade event #240 Forte (YD)**

MY	Menu	Password
YD 1.8L (SULEV)	YD 1.8 SULEV AT -ISG -IMMO : 39103-2EXA0	0320
	YD 1.8 SULEV AT +ISG -IMMO : 39103-2EXJ0	0321
	YD 1.8 SULEV AT -ISG +IMMO/SMK : 39101-2EXA0	0120
	YD 1.8 SULEV AT +ISG +IMMO/SMK : 39101-2EXJ0	0121
	YD 1.8 SULEV AT -ISG +IMMO/SMK : 39101-2EXA5	0125
	YD 1.8 SULEV AT -ISG -IMMO : 39103-2EXA5	0325
YD 1.8L (ULEV)	YD 1.8 ULEV -ISG +IMMO/SMK : 39101/105-2EXB0	0520
	YD 1.8 ULEV +ISG +IMMO/SMK : 39101-2EXK0	0122
	YD 1.8 ULEV -ISG -IMMO : 39103/107-2EXB0	0720
	YD 1.8 ULEV +ISG -IMMO : 39103-2EXK0	0322
	YD 1.8 ULEV -ISG +IMMO/SMK : 39101/105-2EXB5	0525
	YD 1.8 ULEV -ISG -IMMO : 39103/107-2EXB5	0725

1. Within the ECU Upgrade screen, select Manual Mode in the left column, select **Engine Control System** and then select **Upgrade Event 240**. Select the appropriate control unit part number by referring to the ROM ID Information Table on Page 7, and click on **OK**.
2. Enter the appropriate password from the table above, and click on **OK**.
3. Upgrade will begin and the progress of the upgrade will appear on the bar graph.

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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 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 engine to confirm proper operation of the vehicle.

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## AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Forte (YD)	From December 5, 2012 through April 17, 2014

## PART INFORMATION:

Part Name	Part Number	Qty.	Figure
Resistor	25385 A6000QQK	1	
Multi-fuse	18790 01316QQK		

## WARRANTY INFORMATION:

**N CODE: N99 C CODE: C99**

Claim Type	Causal P/N	Qty.	Prod. Dates	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
R	39103 2EXA0	0	Dec. 5, 2012 ~ Jan. 27, 2014 (1.8L)	Resistor / Multi-Fuse Replace and ECM Upgrade	151003R0	0.4 M/H	18790 01316QQK	1
							25385 A6000QQK	1
	39103 2EXA0		Jan. 28, 2014 ~ Apr. 17, 2014 (1.8L)	Multi-Fuse Replace and ECM Upgrade	151003R1	0.4 M/H	18790 01316QQK	1
							25385 A6000	1
25385 A6000	Dec. 5, 2012 ~ Jan. 27, 2014 (2.0L)	Resistor / Multi-Fuse Replace	151003R2	0.2 M/H	18790 01316QQK	1		
					25385 A6000QQK	1		
25385 A6000	Jan. 28, 2014 ~ Apr. 17, 2014 (2.0L)	Multi-fuse Replace	151003R3	0.2 M/H	18790 01316QQK	1		

**\* 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.