 <b>HYUNDAI</b>   NEW THINKING. NEW POSSIBILITIES.	GROUP <b>FUEL SYSTEM</b>	MODEL <b>ACCENT (MC)</b>
	DATE <b>NOVEMBER 2013</b>	NUMBER <b>13-FL-012</b>
<b>Technical Service Bulletin</b>		
<b>SUBJECT ECM UPDATE – MIL ON DTC P0300-P0304, P0128, P0328, P0461</b>		

## **ECU Update**

**NOTE: This bulletin supersedes 10-FL-004 and 10-FL-011.**

### Description:

This bulletin provides information for an ECM diagnostic code logic update on some Accent 1.6L vehicles that may experience the following DTC:

- P0300: Random/Multiple Cylinder Misfire Detected.
- P0301: Cylinder 1 - Misfire Detected.
- P0302: Cylinder 2 - Misfire Detected.
- P0303: Cylinder 3 - Misfire Detected.
- P0304: Cylinder 4 - Misfire Detected.
- P0128: Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature).
- P0328: Knock Sensor 1 Circuit High Input.
- P0461: Fuel Level Sensor A Circuit Range/Performance.

**NOTE:** This ECU Update is intended for the above DTCs when a performance issue was not described by Customer and the Technician has confirmed there are no performance issues.

In cases where a performance issue is confirmed:

- DTC P0300-P0304 that incurred rough running/misfire must be diagnosed per existing service manual procedures.
- This ECU Update should be performed in addition to repairs that are performed.
- Parts replaced to address above DTCs are subject to WTC part recall to verify part condition and may be subject to claim chargeback if not verified.

### Applicable Vehicles:

- 07~11 MY ACCENT(MC) 1.6L.

### GDS Information:

EVENT #	DESCRIPTION
<b>316</b> (or later compatible event)*	"316.MC 1.6 P030X, P0328, P0461 DTC LOGIC IMPROVEMENT"

(\* the latest event that shows up in the Engine Auto Mode event list for the particular vehicle/engine)

### Warranty Information:

Model	Op Code	Operation	Op Time	Causal P/N	Nature	Cause
ACCENT (MC)	<b>39110F9L</b>	ECM UPGRADE	0.3	(See <b>NOTE</b> )	N69	C40

**NOTE:** Use the applicable ECM P/N listed in the ROM ID Information Table from the following page.

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Circulate To: Service Manager, Warranty Manager, Service Advisors, Technicians, Fleet Repair

**ROM ID INFORMATION TABLE:**

MY	ECM P/N	T/M	ROM ID	
			Previous	New
07MY	39111-26BE0	MT	GMC-7N6CES0-5000 GMC-7N6CES1-5000 GMC-7N6CES2-5000 GMC-7N6CES3-5000 GMC-7N6CES4-5000 GMC-7N6CES5-5000 GMC-7N6CES6-5000 GMC-7N6CES7-5000 GMC-7N6CES8-5000 GMC-7N6CES9-5000 GMC-7N6CESA-5000 GMC-7N6CEST-5000	<b>GMC-7N6CEF0-5000</b>
	39111-26BE5	AT	GMC-7N6CPS0-A000 GMC-7N6CPS1-A000 GMC-7N6CPS2-A000 GMC-7N6CPS3-A000 GMC-7N6CPS4-A000 GMC-7N6CPS5-A000 GMC-7N6CPS6-A000 GMC-7N6CPS7-A000 GMC-7N6CPS8-A000 GMC-7N6CPS9-A000 GMC-7N6CPSA-A000 GMC-7N6CPST-A000	<b>GMC-7N6CPF0-A000</b>
08MY	39111-26BE1	MT	GMC-8N6CES0-5000 GMC-8N6CES1-5000 GMC-8N6CES2-5000 GMC-8N6CES3-5000 GMC-8N6CES4-5000 GMC-8N6CES5-5000 GMC-8N6CES6-5000 GMC-8N6CEST-5000 GMC-8N6CEF0-5000 GMC-8N6CEF1-5000	<b>GMC-8N6CEF2-5000</b>
	39111-26BE6	AT	GMC-8N6CPS0-A000 GMC-8N6CPS1-A000 GMC-8N6CPS2-A000 GMC-8N6CPS3-A000 GMC-8N6CPS4-A000 GMC-8N6CPS5-A000 GMC-8N6CPS6-A000 GMC-8N6CPST-A000 GMC-8N6CPF0-A000 GMC-8N6CPF1-A000	<b>GMC-8N6CPF2-A000</b>



09MY	39131-26BE1	MT	GMC-9N6CES1-5000 GMC-9N6CES2-5000 GMC-9N6CES3-5000 GMC-9N6CES4-5000 GMC-9N6CES5-5000 GMC-9N6CES6-5000 GMC-9N6CES7-5000 GMC-9N6CEST-5000 GMC-9N6CEF0-5000 GMC-9N6CEF1-5000	<b>GMC-9N6CEF2-5000</b>
	39131-26BE6	AT	GMC-9N6CPS1-A000 GMC-9N6CPS2-A000 GMC-9N6CPS3-A000 GMC-9N6CPS4-A000 GMC-9N6CPS5-A000 GMC-9N6CPS6-A000 GMC-9N6CPS7-A000 GMC-9N6CPST-A000 GMC-9N6CPF0-A000 GMC-9N6CPF1-A000	<b>GMC-9N6CPF2-A000</b>
10MY	39132-26BL0	MT	GMC-AC6CES0-5000 GMC-AC6CES1-5000 GMC-AC6CES2-5000 GMC-AC6CES3-5000 GMC-AC6CEF0-5000 GMC-AC6CEF1-5000	<b>GMC-AC6CEF2-5000</b>
	39132-26AL0	MT	GMC-AN6CES0-5000 GMC-AN6CES1-5000 GMC-AN6CES2-5000 GMC-AN6CEF0-5000 GMC-AN6CEF1-5000	<b>GMC-AN6CEF2-5000</b>
	39132-26AL5	AT	GMC-AN6CPS0-A000 GMC-AN6CPS1-A000 GMC-AN6CPS2-A000 GMC-AN6CPF0-A000 GMC-AN6CPF1-A000	<b>GMC-AN6CPF2-A000</b>
	39133-26BL0	MT	GMC-BC6CES0-5000 GMC-BC6CEF0-5000 GMC-BC6CEF1-5000	<b>GMC-BC6CEF2-5000</b>
	39133-26AL0	MT	GMC-BN6CES0-5000 GMC-BN6CEF0-5000 GMC-BN6CEF1-5000	<b>GMC-BN6CEF2-5000</b>
11MY	39133-26AL5	AT	GMC-BN6CPS1-A000 GMC-BN6CPF0-A000	<b>GMC-BN6CPF1-A000</b>
	39134-26BL0	MT	GMC-CC6CES1-5000 GMC-CC6CEF0-5000	<b>GMC-CC6CEF1-5000</b>
	39134-26AL0	MT	GMC-CN6CES1-5000 GMC-CN6CEF0-5000	<b>GMC-CN6CEF1-5000</b>

**GENERAL PRECAUTIONS:**

- Connect the USB cable between the GDS and the VCI.
- Connect the 16-pin DLC connector from the VCI into the DLC located under the driver's side dash.



**★ NOTE**

Make sure the battery icon at the bottom right of the GDS laptop shows at least 50%; if not, charge the GDS or attach a battery charger.

- Turn off all lights (Do not leave the headlight switch in auto mode) and all accessories (including heater/air conditioner/fan, audio, heated seats, rear defroster, etc) to ensure the battery will not be discharged during the update.
- Perform the update with the ignition key in the ON position.
- Do not disconnect any cables connected to the vehicle or the GDS during the update.
- Do not start the engine or turn the ignition switch OFF during the update.

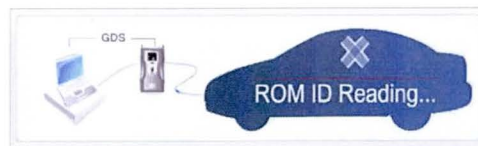
**★ NOTE**

Confirm your GDS has the most recent version. If not, connect the GDS to an Internet port, open the GDS home page and select "Update". Refer to instructions on [hmaservice.com](http://hmaservice.com) if necessary.

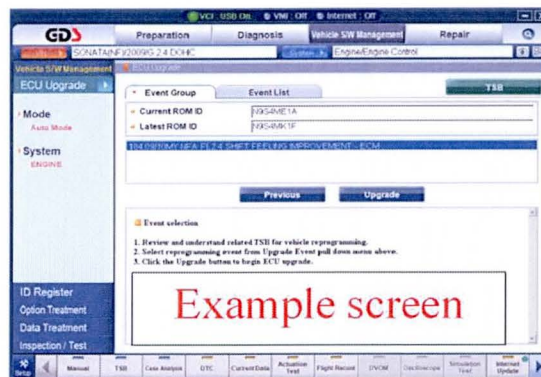
If you encounter GDS related problems, call the GIT Helpline at 888-437-0308.

**SERVICE PROCEDURE:****GDS AUTO MODE ECM UPDATE PROCEDURE**

1. From the GDS home page, select **ECU Upgrade**. If necessary, select the VIN.
2. Select **Engine** as the system and then select **OK**.
3. Select **Auto Mode** and then select **Next**.
4. From the **System** tab, select **Engine** and then select **OK**. The GDS will read the ROM ID and confirm the update applies.



5. Select update event as listed on the **GDS Event list of page-1**. Select **Upgrade**.



6. If the screen indicates "**Voltage is OK**" (voltage > 12volts), select **OK**. If not, select **CANCEL** and charge the vehicle battery by running the engine for 10 minutes.
7. Updating will occur until 100% is reached on the bar graph. At the prompt, turn the ignition key OFF for 10 seconds, then turn it ON and select **OK**.
8. The GDS will confirm that ECM reprogramming is successfully finished. Select **OK**.
9. If the ECM update was not successful, go to **GDS MANUAL MODE ECM UPDATE PROCEDURE**.
10. Check for DTC in All Systems and Erase All DTC that stored due to loss of CAN communication during the ECM Update.
11. Turn **OFF ignition for 10 seconds** then turn **ON** before going to engine start.
12. Start the engine to confirm proper operation.



**GDS MANUAL MODE ECM UPDATE PROCEDURE**

**★ NOTE**

- GDS Manual Mode is intended for recovery of an ECM Update should it begin but then later fail in process in the Auto Mode.
- The ECM connectors must be disconnected for 15 minutes to reset its contents then perform this Manual Mode Update.
- Do not force Manual Mode if you get an error in Auto Mode that the vehicle's current ROM ID did not apply.
- It is critical to identify the correct ECM Part Number in the PASSWORD table or the ECM may be permanently damaged. It is recommended to remove ECM and read the part number from the label to confirm.

1. From the GDS home page, select **ECU Upgrade**. If necessary, select the VIN.
2. Select **Engine** as the system and then select **OK**.
3. Select **Manual Mode** and then select **Next**.
4. From the **System** tab, select **Engine** and then select **OK**.
5. Select update event as per the **GDS Event List of page-1**, then select **Upgrade**.
6. Be certain to enter the exact appropriate password from the table below and select **OK**. **See the important NOTE above.**
7. The remaining steps are same as Steps 6~12 of the Auto Procedure.

MENU	PASSWORD
07MY MC 1.6 MT NON IMMO : 39111-26BE0	1260
07MY MC 1.6 AT NON IMMO : 39111-26BE5	1265
08MY MC 1.6 MT NON IMMO : 39111-26BE1	1261
08MY MC 1.6 AT NON IMMO : 39111-26BE6	1266
09MY MC 1.6 MT NON IMMO : 39131-26BE1	1262
09MY MC 1.6 AT NON IMMO : 39131-26BE6	1267
10MY MC 1.6 MT NON IMMO : 39132-26BL0	2260
10MY MC 1.6 MT NON IMMO : 39132-26AL0	2261
10MY MC 1.6 AT NON IMMO : 39132-26AL5	2265
10MY MC 1.6 MT NON IMMO : 39133-26BL0	3260
10MY MC 1.6 MT NON IMMO : 39133-26AL0	3261
11MY MC 1.6 AT NON IMMO : 39133-26AL5	3265
11MY MC 1.6 MT NON IMMO : 39134-26BL0	4260
11MY MC 1.6 MT NON IMMO : 39134-26AL0	4261