SUBJECT:	ECM UPDATE – GENESIS COUPE 2.0L TURBO MIL ON (DTC P050B)

GDS ⊕HYUNDAI ECU Update

Description:

This bulletin provides information related to the ECM software update of some 13~14MY GENESIS COUPE(BK) 2.0L TURBO vehicles which may experience a malfunction indicator lamp illuminated with the ECM (Electronic Control Module) system-related DTC:

- P050B : Cold Start Ignition Timing Performance

Applicable Vehicle:	2013-2014MY Genesis Coupe (BK) with 2.0L TCI engine

GDS Information:

Event #	Description
327	"BK FL 2.0L TCI IGNITION EFFICIENCY IMPROVEMENT DURING DRIVING "

Warranty Information:

Model	Op Code	Operation	Op Time	Causal P/N
GENESIS COUPE (BK)	39122F00	ECM UPGRADE	0.3 M/H	(See NOTE)

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

ROM ID Information Table:

MY	IMMO	ECM P/N	ROM ID	
			Previous	**New**
13MY	Yes (SSB start)	39122-2C050	KCC0R71A KCC0R71B KCC0R71C KCC0R80A KCC0R91A	KCC0R92A
	No (Key start)	39122-2C060	KCC0M71A KCC0M71B KCC0M71C KCC0M80A KCC0M91A	KCC0M92A
14MY	Yes (SSB start)	39122-2C051	KEC0R91B KEC0R91C	KEC0R92A
	No (Key start)	39122-2C061	KEC0M91B KEC0M91C	KEC0M92A

NOTE: Verify the ECM ROM ID before updating the vehicle's software.

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.

NOTICE

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 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.
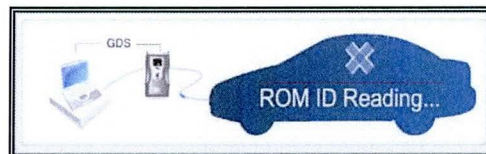

NOTICE

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 if necessary.

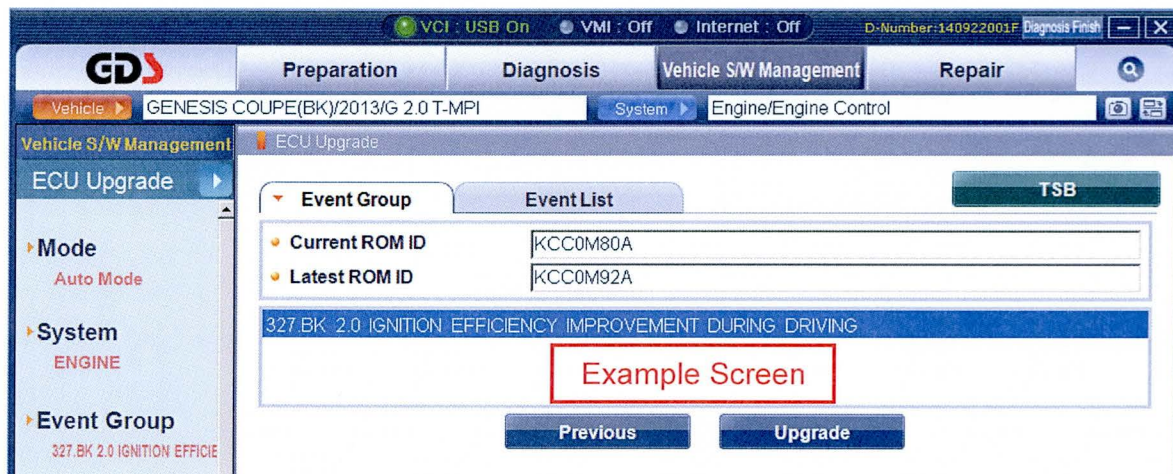If you encounter GDS related problems, call the GIT Helpline at 888-437-0308.

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. Confirm the ROM is applicable as shown on Page 2, "ROM ID Information".

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**.

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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.

13. Clear any DTC in the BlueLink system per instructions of TSB 12-BE-005-2.

GDS Manual Mode ECM Update Procedure

> **NOTICE**
>
> **In event of Auto Mode ECU Update failure**:
> - You must attempt **Manual Mode**. Use the ECM P/N from the vehicle's ECM label if it is not clear from the ROM ID Table as to the correct ECM P/N to use for your vehicle.
> - Replacing an ECM without carefully documenting that a **Manual Mode** update attempt was made, will result in claims charge back.

> **NOTICE**
>
> - 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-3,** then select **Upgrade.**
6. Be certain to enter the exact appropriate password from the table below and select **OK. See the important NOTICE above.**
7. The remaining steps are same as Steps 6~13 of the **Auto Procedure.**

MENU	PASSWORD
BK FL 2.0 IMMO 39122-2C050	2050
BK FL 2.0 NON IMMO 39122-2C060	2060
BK FL 2.0 IMMO 39122-2C051	2051
BK FL 2.0 NON IMMO 39122-2C061	2061

Note: IMMO is for SSB start. NON IMMO is for standard Key Start.