

 <b>HYUNDAI</b>   NEW THINKING. NEW POSSIBILITIES.  <b>Technical Service Bulletin</b>	GROUP	NUMBER
	CAMPAIGN	12-01-034
	DATE	MODEL
	OCTOBER 2012	GENESIS COUPE 3.8L
<b>SUBJECT:</b> AUTOMATIC TRANSMISSION TCM UPDATE (SERVICE CAMPAIGN TM1)		

  **ECU Update**

**Description:** This bulletin provides a procedure to update the TCM for 2013 Genesis Coupe 3.8L vehicles with revised logic for improving the shift quality.

**\* IMPORTANT**

**\*\*\* Dealer Stock and Retail Vehicles \*\*\***

Dealers must perform this Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

**Applicable Vehicles:** 2013 MY Genesis Coupe 3.8L with automatic transmission  
**Applicable Vehicle Production Date:** From January 19, 2012 through September 17, 2012

**GDS INFORMATION:**

EVENT #	DESCRIPTION
Event #280 (or latest Event #)	BK 3.8L TCM 4-5 Upshift Logic Improvement

**WARRANTY INFORMATION:**

MODEL	OP CODE	OPERATION	OP TIME
GENESIS COUPE 3.8L (BK)	20C094R1	TCM UPGRADE	0.3

**ROM ID TABLE: Verify the TCM ROM ID before updating the vehicle software.**

MODEL	PCM PART NO.	ROM ID	
		PREVIOUS	NEW
GENESIS COUPE 3.8L (BK)	95440-4F120	TBK0Z38NC0	TBK0Z38NC2
		TBK0Z38NC1	TBK0Z38NC2

**GENERAL PRECAUTIONS**

**\* NOTE**

In the event of AUTO MODE update failure (after it initiated the progress bar):

- You must attempt MANUAL MODE. Use the TCM P/N from the vehicle's TCM label if the correct TCM P/N is not clear from the ROM ID table.
- Replacing a TCM without carefully documenting that a MANUAL MODE update attempt was made will result in a charge back of your claim.

- 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).
- 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".**

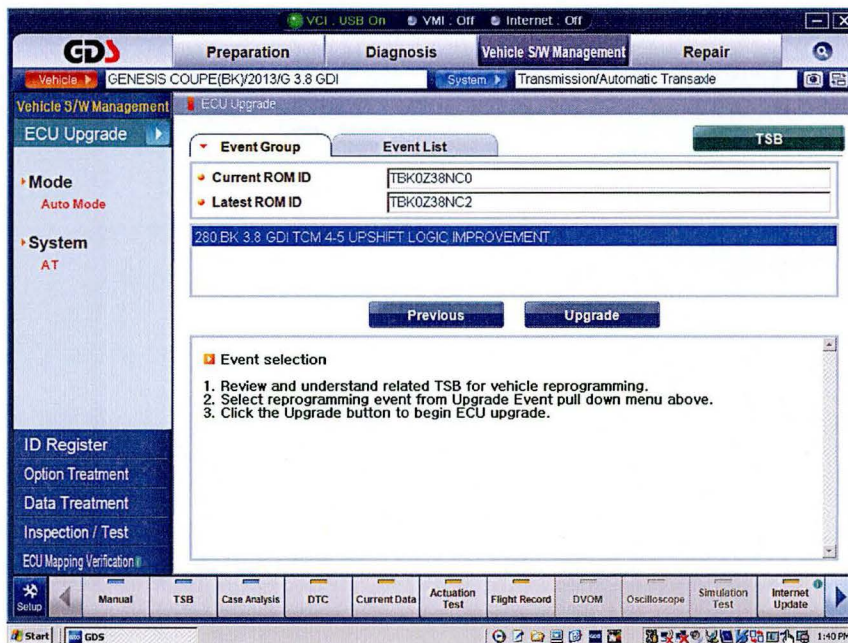
**\* NOTE**

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

**SERVICE PROCEDURE**

**GDS AUTO MODE TCM UPDATE PROCEDURE**

1. From the GDS home page, select **ECU Upgrade**. If necessary, select the VIN.
2. Select **AT** as the system and then select **OK**.
3. Select **Auto Mode** and then select **Next**.
4. From the **System** tab, select **AT** and then select **OK**. The GDS will read the ROM ID. Confirm the ROM is applicable as shown on Page 1, "ROM ID Information".
5. Select update event **#280 BK 3.8 GDI TCM 4-5 Upshift Logic Improvement** or any later (higher) event number that shows in the GDS list. Select **Upgrade**.



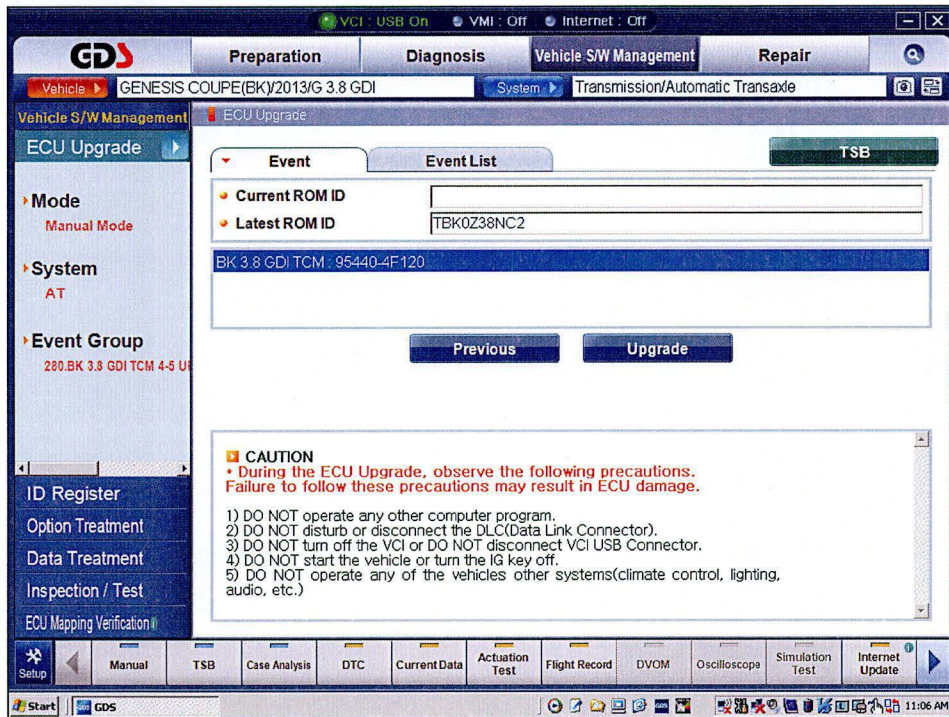
6. If the screen indicates "**Voltage is OK**", select **OK**. If not, select **CANCEL** and charge the vehicle battery by running the engine for 10 minutes.
7. Updating will occur until 100% is reached on the bar graph. At the prompt, turn the ignition key OFF for 10 seconds, then turn it ON and select **OK**.
8. The GDS will confirm that TCM update is successfully finished. Select **OK**.
9. If the TCM update was not successful, go to **GDS MANUAL MODE TCM UPDATE PROCEDURE**.
10. Check for any Diagnostic Trouble Codes in the **ESC** menu and erase any DTC.
11. From the home screen, select Vehicle, **AT** menu and **Option Treatment**. Select **Resetting Auto T/A Values** and follow the prompts on the screen. **This step is necessary to ensure a smooth shift.**
12. Start the engine to confirm proper operation.

**GDS MANUAL MODE TCM UPDATE PROCEDURE**

**\* NOTE**

- **GDS Manual Mode is intended for recovery of a TCM Update should it begin but then later fail in process in the Auto Mode.**
- **Disconnect the TCM connectors for 15 minutes to reset its contents before performing this Manual Mode Update.**
- **Do not force Manual Mode if an error in Auto Mode indicates that the vehicle's current ROM ID did not apply.**

1. From the GDS home page, select **ECU Upgrade**. If necessary, select the VIN.
2. Select **AT** as the system and then select **OK**.
3. Select **Manual Mode** and then select **NEXT**.
4. From the **System** tab, select **AT** and then select **NEXT**.
5. Update event #280 BK 3.8 GDI TCM 4-5 Upshift Logic Improvement will display. Select **Next**.
6. Select **BK 3.8 GDI TCM 95440-4F120**. Enter 4120 as the Password and click **OK**.



MENU	PASSWORD
BK 3.8 GDI TCM 95440-4F120	4120

7. If the **“Voltage is OK”**, select **OK**. If not, select **CANCEL** and charge the vehicle battery.
8. The remaining steps are the same as Step 7~12 of the Auto Procedure.