

**HYUNDAI**NEW THINKING.
NEW POSSIBILITIES.

Technical Service Bulletin

GROUP	NUMBER
CAMPAIGN	13-01-019
DATE	MODEL
MARCH 2013	ACCENT (RB)

SUBJECT AUTOMATIC TRANSAXLE TCM UPDATE (SERVICE CAMPAIGN TM6)


ECU Update

Description: This bulletin provides a procedure to update the TCM software for 2013 Accent 1.6L (RB) vehicles to revise the shift feeling in ECO mode.

This TSB supersedes TSB 12-01-039 to include retail vehicles.

★ 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 Accent (RB) with automatic transaxles

Applicable Production Date Range: From April 19, 2012 through September 21, 2012

GDS INFORMATION:

EVENT#	DESCRIPTION
Event #289	#289 13MY RB 1.6 ACTIVE ECO ACCELERATION LOGIC IMPROVEMENT - TCM

WARRANTY INFORMATION:

MODEL	OP CODE	OPERATION	OP TIME
Accent (RB)	20C110R1	TCM UPGRADE	0.3

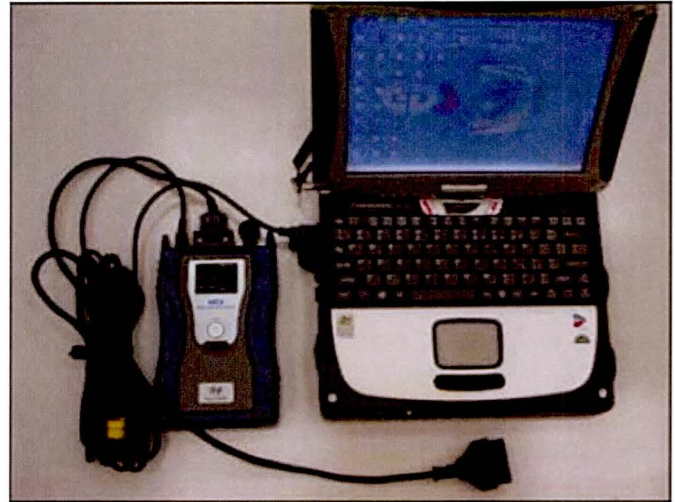
NOTE: Submit claim on Campaign Claim Entry Screen

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

MODEL	PCM (TCM) PART NUMBER	TCM ROM ID	
		PREVIOUS	NEW
ACCENT (RB) 1.6L	39110-2BAS1	TRB0Z16NA4	TRB0Z16NA6
		TRB0Z16NA5	

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. (Turn the ignition key to the ON position or press the Start-Stop Button two times without depressing the brake pedal).
- 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**

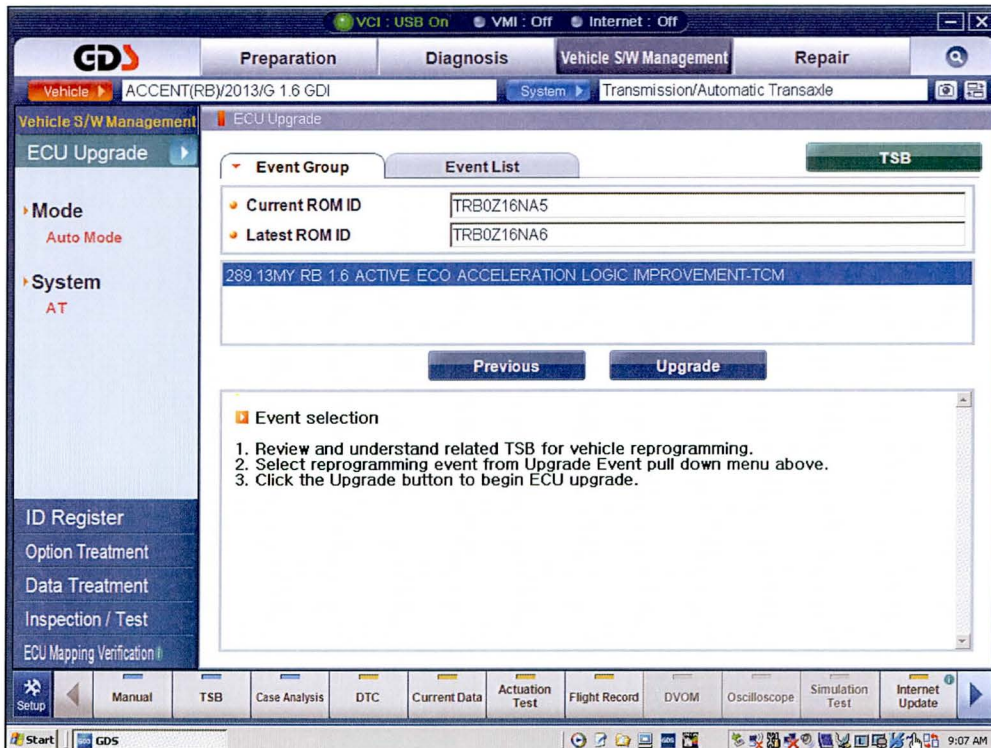
Confirm your GDS has the most recent version. If not, connect the GDS to an Internet port, open the GDS home page and select "Update". Refer to instructions on hmaservice.com if necessary.

*** NOTE**

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

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. Update event #289.13MY RB 1.6 ACTIVE ECO ACCELERATION LOGIC IMPROVEMENT - TCM will display. 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 reprogramming 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 and erase any DTC.
11. Drive the vehicle to confirm proper operation.

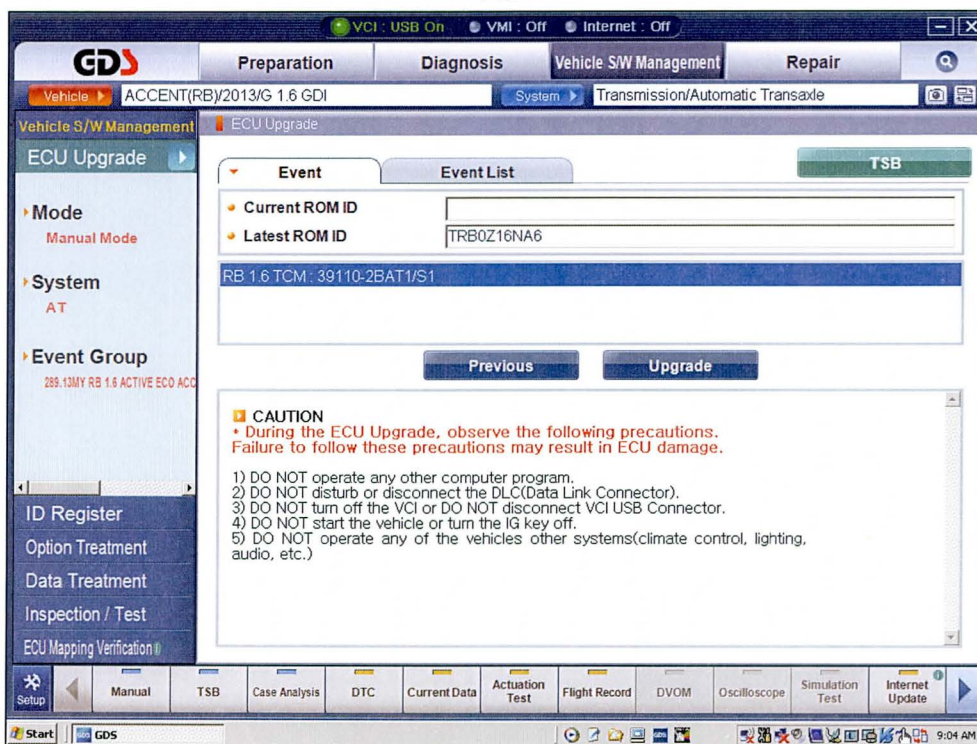
GDS MANUAL MODE TCM UPDATE PROCEDURE

*** 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.

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 **#289.13MY RB 1.6 ACTIVE ECO ACCELERATION LOGIC IMPROVEMENT - TCM** will display. Select **Next**.
6. Select RB 1.6 TCM 39110-2BAT1/S1. Select **Upgrade**.



7. Enter the Password and click **OK**. The part number can be found on the PCM label.

MENU	PASSWORD
RB 1.6 TCM: 39110-2BAT1/S1	1021

8. If the **“Voltage is OK”**, select **OK**. If not, select **CANCEL** and charge the vehicle battery.
9. The remaining steps are the same as Step 7~11 of the Auto Procedure.