



**HYUNDAI** | NEW THINKING.  
NEW POSSIBILITIES.

DATE

**OCTOBER  
2015**

MODEL(S)

**GENESIS SEDAN (DH)**

**SUBJECT:**

**GENESIS SEDAN (DH) TIRE REPLACEMENT  
(SELECT CAR CARE-P18)**

***THIS TSB IS REVISED TO INCLUDE INFORMATION (PAGE 4) TO IMPROVE THE TIRE REMOVAL/INSTALLATION PROCESS, MINIMIZING THE RISK OF POTENTIAL WHEEL DAMAGE.***

**\* IMPORTANT**

**\*\*\* Retailed Vehicles \*\*\***

Dealers should perform this customer satisfaction campaign at the request of the retail customer.

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

**Description:** Hyundai Motor America is offering replacement tires to owners of 2015 Genesis Sedan (DH) vehicles equipped with Hankook brand tires. The original equipment tires may exhibit a slight vibration and/or road noise, and Hyundai will replace the Hankook tires with replacement Continental-brand (19") or Michelin-brand (18") tires at the customer's convenience and with their agreement.

This bulletin describes the service procedure to replace the Hankook brand tires with 19" Continental tires or 18" Michelin tires. Vehicles equipped with 18" tires require a software update which changes the speed governor from 149 to 130 mph to accommodate the tire speed rating change from W for the Hankook tires to V for the Michelins.

**NOTICE**

It is possible that some 2015 Genesis customers with Hankook tires need a replacement tire because their original tire was damaged by a road hazard. If this situation occurs (original Hankook tire damaged due to road hazard) and if the "Vehicle Information Screen" does not indicate an open "P18" for the applicable VIN, dealerships should send an email to the warranty call center at [warranty@hmausa.com](mailto:warranty@hmausa.com) requesting a "**VIN Activation**." Dealers should then replace all 4 of the Hankook tires with the appropriate Michelin or Continental tires for that vehicle.

**NOTICE**

**There are no vehicle performance issues associated with this Select Car Care Program.**

**NOTICE**

**Please see Dealer Tire document for ordering, reimbursement, and scrapping procedures.**

**IMPORTANT**

- The RFV measurements ***MUST*** be recorded on the worksheet at the end of this TSB.
- The completed worksheet ***MUST*** be stapled to the RO print out and kept with dealer records.
- The completed worksheet ***MUST*** also be scanned or have a picture taken and emailed to: [genesisP18@hyundaitire.com](mailto:genesisP18@hyundaitire.com)
  - Please note that this is the same address where the scrapped tire pictures are sent. ***All required images MUST be sent in a single email.***



18" Michelin Primacy MXM4



19" Continental ProContact TX

**Applicable Vehicles:** Genesis sedan (DH) vehicles.

**Parts Information For Ordering:**

Wheel Size	Part Name	Dealer Tire Part Number	Qty.
18"	Michelin Tire 245/45R18	52931B1390DT	4
19"	Continental Tire 245/40R19 (Front)	52931B1690DT	2
	Continental Tire 275/35R19 (Rear)	52931B1890DT	2

**Scrapped Tire and Tire Data Sheet Email Submission Procedures:**

1. **Tire Data Sheet:** Make a scanned copy or take a picture of the completed worksheet. Review the scan or picture to make sure the writing is clear and legible.
  
2. **Scrap Procedure:**
  - Drill a hole into the sidewall of each tire next to the DOT number. This hole must be made using a uni-bit until the bit goes completely through the tire.
  - Arrange all 4 tires from the same vehicle so that the DOT number and the newly drilled holes are visible for all 4 tires.
  - In large and legible writing, write the RO and/or VIN number on a piece of paper, and place the paper in the center of the arranged tires. See example photo below.
  - Take a photo of the arranged tires and paper and review the photo to make sure that the DOT number, the newly drilled holes, and the RO and/or VIN number are clearly visible for all 4 tires. See example photo below.

*Example photo of scrapped tires and RO/VIN number*



3. **Email Submission:**

- Create an email with a subject title in the following format:
  - [Dealer code] [Last 8 digits of the VIN number]
  - Example: “**CA514 FU016345**”
- In the body of the email, enter the full VIN and Repair Order Number.
- Attach the photo/scan of the Tire Data Sheet, and the photo of the scrapped tires.
- Send the email to [genesisP18@hyundaitire.com](mailto:genesisP18@hyundaitire.com)

**Service Procedure: Tire Replacement**

**NOTICE**

Use care and take preventative measures to prevent damaging the wheel when removing / installing tires. Always ensure tire changing equipment is in proper working order, and always replace worn heads/guards/parts prior to beginning service procedure.

If needed, tools and sleeves are available for purchase that will aid in this procedure. Examples are given below, and are available through the dealer’s local Hunter representative.



**A. High-performance bead lever “HM” – RP6-G1000A11**

Patented, high-performance bead lever dramatically reduces servicing effort. A must for servicing low-profile tires.

**B. Bead lever protector sleeve – RP6-0326**

Sleeve protects wheel flange by allowing the bead lever to slip out of the tire instead of being dragged against the rim during demounting. Box of 10 (RP6-0326-B).



**A. Traditional flat design bead lever – RP11-3009516**

For demounting tires on conventional tire changers.

**B. Bead lever sleeve protectors (4 ea.) RP11-8-11400098**

Sleeve protects wheel flange by allowing the bead lever to slip out of the tire instead of being dragged against the rim during demounting. For use with RP11-3009516 Bead Lever Tool.

1. Lift the vehicle on a hoist, remove the wheel lug nuts, and remove the wheel and tire assemblies.

**NOTICE**

**Tightening torque: 65.1~79.6 lb-ft (88.3~107.9 Nm, 9.0~11.0 kgf.m)**



2. Separate the tires from the wheels and install the new tires.

**CAUTION**

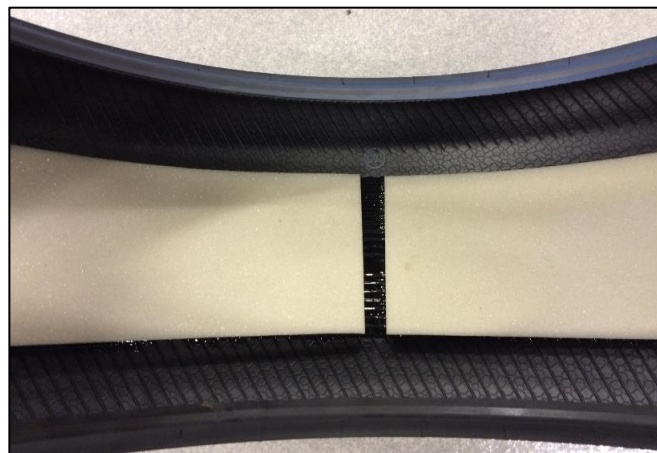
Take care to not damage the TPMS sensor.

**NOTICE**

The 18" Michelin tires need to be mounted with the "OUTSIDE" label facing the outside of the vehicle.

**NOTICE**

The 19" Continental tires feature a foam insert inside the tread. This is designed to help reduce tire noise, and should not be removed prior to installation.



3. Balance the wheel/tire assemblies, and check road force variation (RFV).

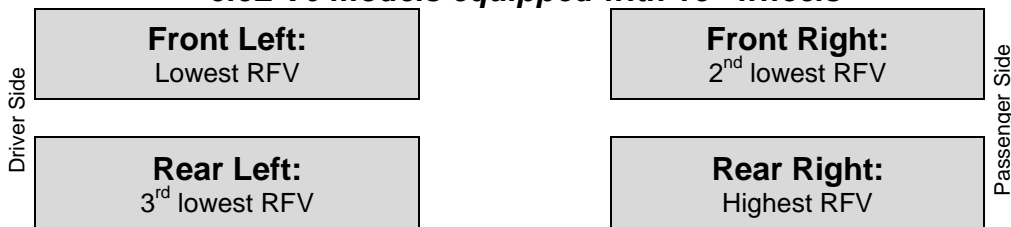
Record the RFV value of each assembly on the worksheet at the end of this TSB.

**IMPORTANT**  
 The completed worksheet **MUST** be stapled to the RO print out and kept with dealer records.

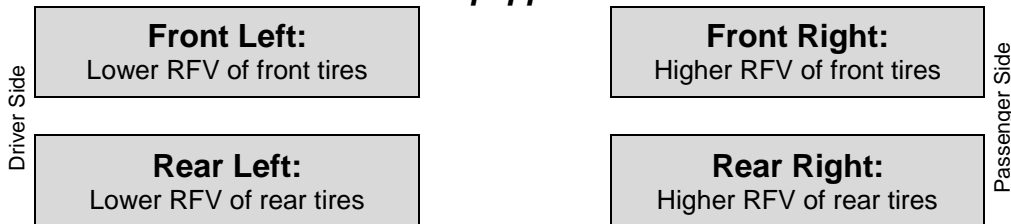


4. Install the wheel and tire assemblies from lowest RFV to highest RFV by distance to the driver\*\*\*:

**3.8L V6 models equipped with 18" wheels**



**5.0 V8 models equipped with 19" wheels**



**\*\*\*NOTICE**

5.0L V8 Genesis sedan (DH) vehicles are equipped with 19" wheels, and have staggered size tires front vs. rear. **Be sure to install the narrower wheel/tires assemblies on the front, and wider assemblies on the rear of the vehicle.** For either pair of front or rear wheel/tire assemblies, install those assemblies with lower RFV on the driver's side of the vehicle.

**NOTICE**

**Tightening torque: 65.1~79.6 lb-ft (88.3~107.9 Nm, 9.0~11.0 kgf.m)**

5. For vehicles equipped with 18” tires, perform the ECU update according to the procedures below.

For vehicles equipped with 19” tires, the service procedure is complete.

**Service Procedure: ECU Update for 18” tires**

**NOTICE**

- 1) To verify the vehicle is affected, check the version of the ROM ID according to the ROM ID Information Table, below.
  - a. ECU part number can be checked by the sticker located on the ECU case, as shown in the images below.



- b. Vehicles equipped with active air flap (AAF) are NOT equipped with smart cruise control (SCC).
  - c. Vehicles equipped with smart cruise control (SCC) are NOT equipped with active air flap (AAF).
- 2) If the automatic update fails, turn the ignition OFF for 10 seconds and then perform the manual update.
- 3) After update, check and clear any DTC(s) present.

**ROM ID Information Table:**

MODEL	OPT	ECU PART NO.	ECU ROM ID	
			OLD	NEW
DH 3.8L 18” wheels	+AAF (with Active Air Flap)	39105-3CEN1	DHEN38GM2**D81BF	DHEN38GM2**D8CBF
			DHEN38GM2**D81CF	
			DHEN38GM2**D87BF	
			DHEN38GM2**D8CAF	
	-AAF (without Active Air Flap)	39105-3CEN5	DHEN38GM2**D81B*	DHEN38GM2**D8CB*
			DHEN38GM2**D81C*	
			DHEN38GM2**D87B*	
			DHEN38GM2**D8CA*	

**GDS General Precautions:**

**NOTICE**

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

- Make sure the vehicle's battery has reasonable charge. If the vehicle has been in storage for days, run the engine to ensure an adequate battery charge state for reliable update results.
- 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 switch 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.

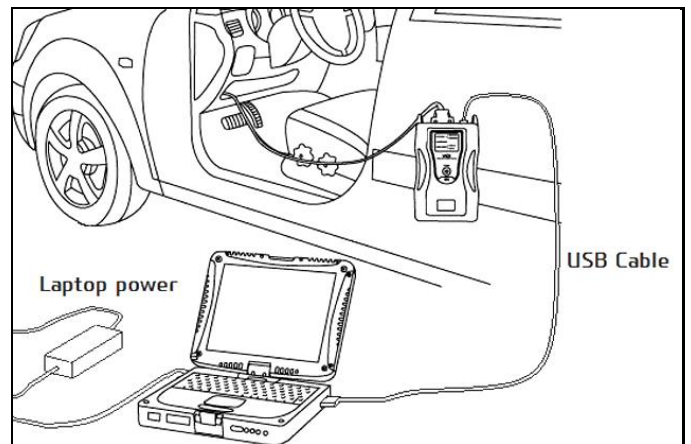
**NOTICE**

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](http://hmaservice.com) if necessary.

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

**GDS (Global Diagnostic System) Laptop Installation Procedure:**

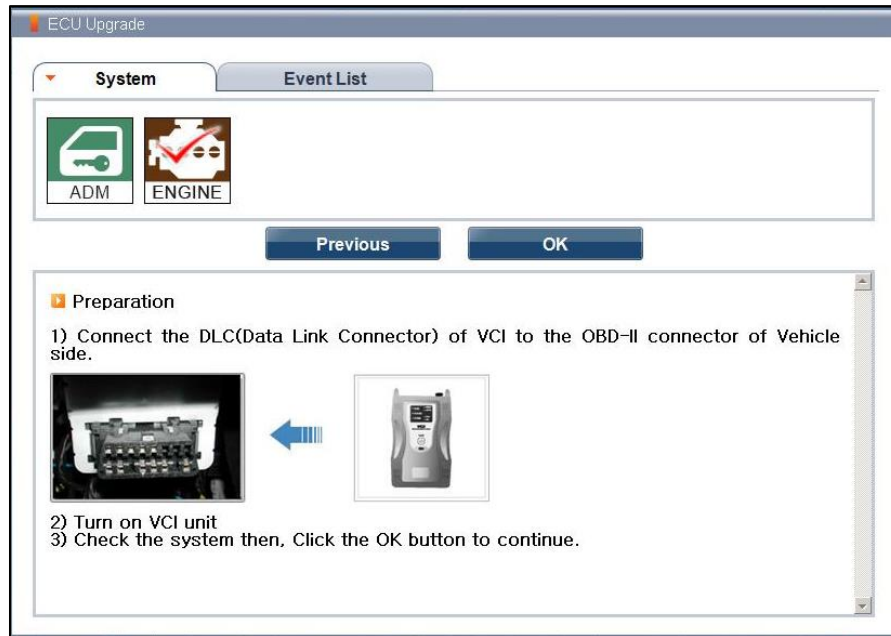
1. Connect external power to the GDS laptop.
2. Connect the USB cable between the GDS and the VCI.
3. Connect the 16-pin DLC connector from the VCI into the DLC located under the driver's side dash.
4. Turn the VCI on, and set the vehicle ignition switch to ON (without starting the engine).



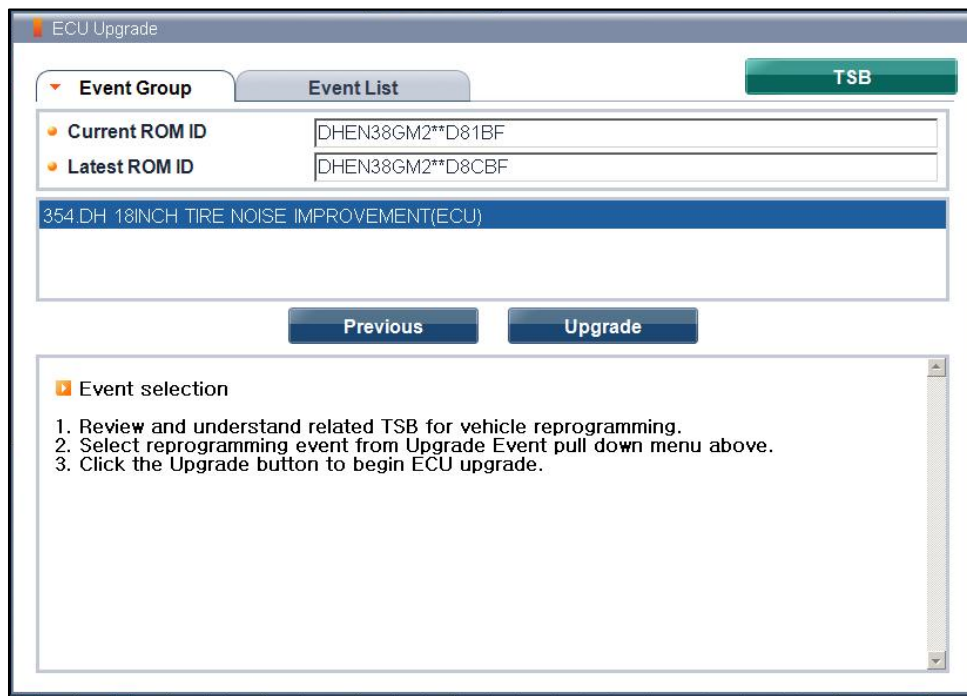


**GDS Laptop Auto Mode ECU Update Procedure:**

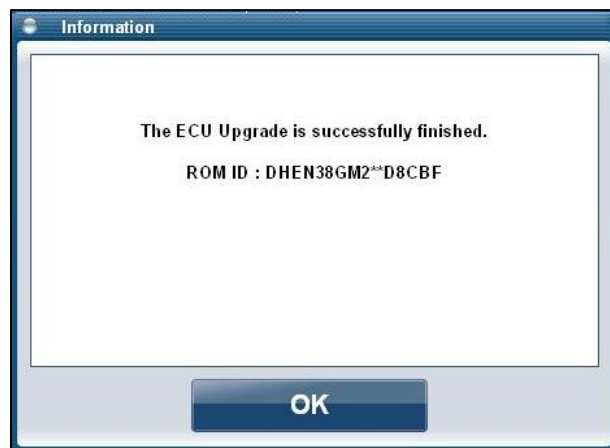
1. From the GDS home page, select **ECU Upgrade**. If necessary, select the VIN.
2. Select **Engine Control** as the system and then select **OK**.
3. Select **Auto Mode** and then select **Next**.
4. From the **System** tab, select **Engine** and then select **OK**. The GDS will read the ROM ID. Confirm the ROM is applicable as shown on Page 5, “ROM ID Information Table.”



5. Update event “**354.DH 18INCH TIRE NOISE IMPROVEMENT (ECU)**” will be displayed. 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. Turn the ignition OFF for 10 seconds, place it back in the ON position, and then click **OK** to continue according to the information displayed on the screen.
8. The GDS will confirm that Engine ECU reprogramming is successfully finished and display the new ROM ID. Select **OK**.



9. If the Engine update was not successful, go to **GDS Laptop Manual Mode ECU Update Procedure**.
10. Check for DTCs in all systems and erase all DTCs stored due to loss of CAN communication during the ECU update.
11. Turn the **ignition OFF for 10 seconds** then turn **ON** before going to engine start.
12. Start the engine to confirm proper operation.
13. Clear DTCs in the BlueLink system per instructions given in TSB 12-BE-005-2.

**NOTICE**

In the event of AUTO MODE update failure, perform the MANUAL MODE update procedure.

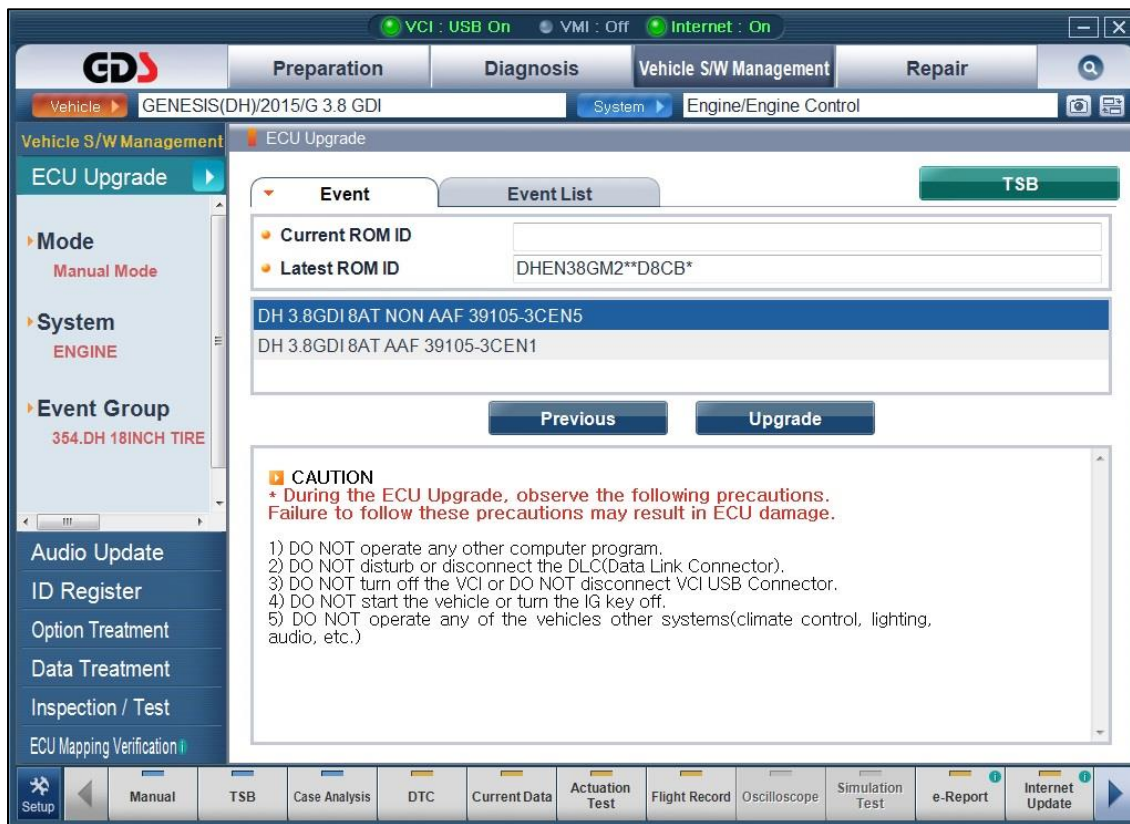
**GDS Laptop Manual Mode ECU Update Procedure:**

**NOTICE**

- Manual update should be performed only when the automatic update fails.
- If automatic update fails, turn the ignition switch to OFF for 10 seconds, and then back to the ON position to reset the control unit before performing manual update.

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**, then select **Next**.
4. From the **System** tab, select **Engine** and then select **Next**.
5. Update event “**354.DH 18INCH TIRE NOISE IMPROVEMENT (ECU)**” will be displayed. Select **Next**.

6. Select the appropriate control unit part number referencing the above **ROM ID Information Table** and click **UPGRADE**.



7. Enter the appropriate password from the below table, then click **OK**.

MENU	PASSWORD
DH 3.8GDI 8AT NON AAF 39105-3CEN5	0535
DH 3.8GDI 8AT AAF 39105-3CEN1	0531

8. 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.
9. Updating will occur until 100% is reached on the bar graph. Turn the ignition to the OFF position for 10 seconds, then place it back in the ON position and click **OK** to continue according to the information displayed on the screen.
10. The GDS will confirm that Engine ECU reprogramming is successfully finished and display the new ROM ID. Select **OK**.
11. Check for DTCs in all systems and erase all DTCs stored due to loss of CAN communication during the ECU update.
12. Start the engine to confirm proper operation.
13. Clear DTCs in the BlueLink system per instructions given in TSB 12-BE-005-2.

**GDS-Mobile Installation Procedure:**

1. Connect the VCI-II into the vehicle's DLC connector under the driver side instrument panel and check to ensure the VCI-II is powered on.



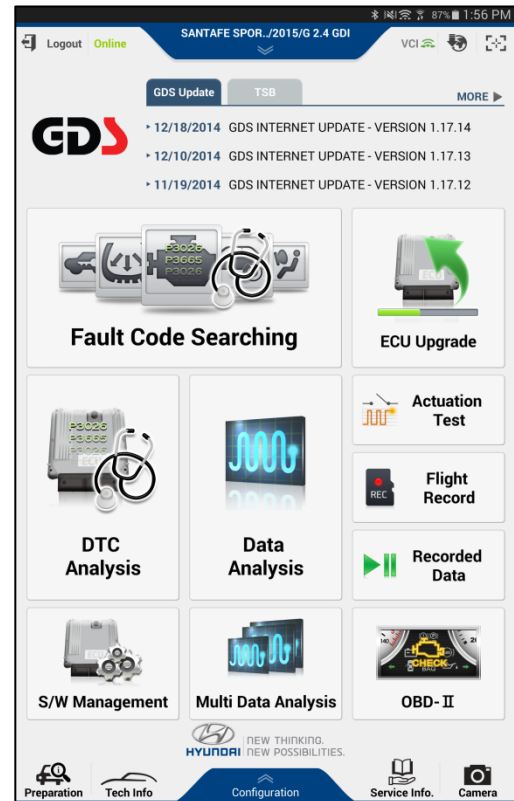
**NOTICE**

- For GDS-mobile, the update is done via wireless communication (USB cable connection is not required).
- Before starting ECU update, ensure tablet has sufficient battery charge.

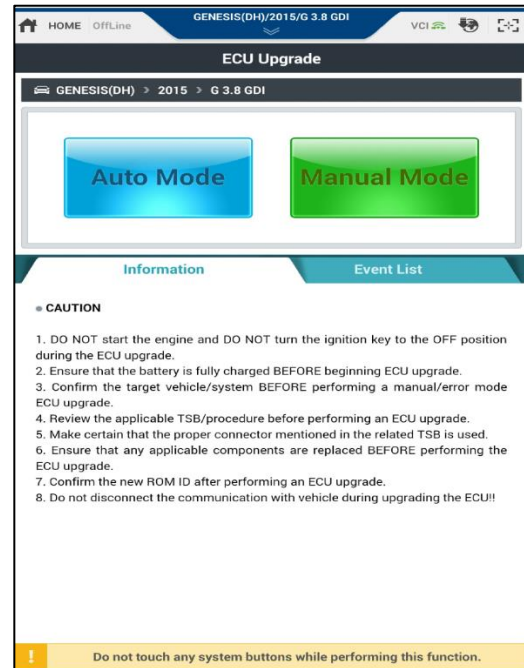
**GDS-Mobile Automatic Update Procedure:**

1. Start from the initial screen. Vehicle information should be automatically selected. If not, manual vehicle selection is also possible.

From the initial screen, select **ECU Upgrade**.



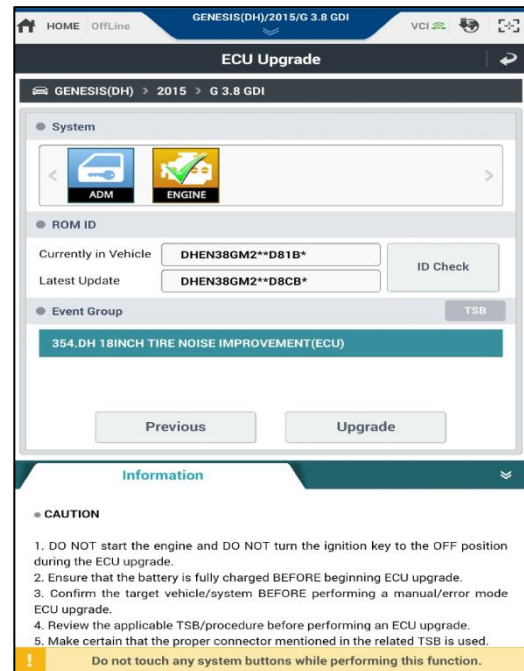
2. Select **Auto Mode** on the ECU Upgrade screen.



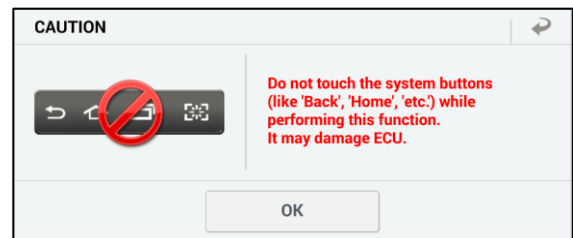
3. With the **ENGINE** system checked, select **ID Check** to check ROM IDs.

Current ROM ID will be displayed, along with latest update ROM ID.

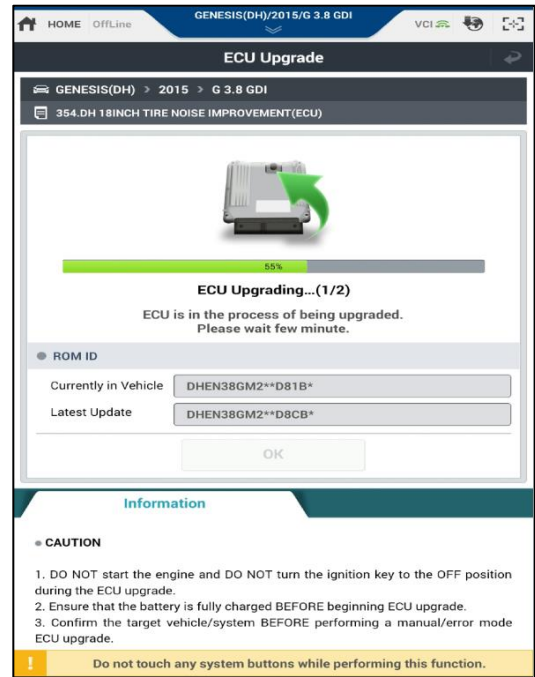
Event “**354.DH 18INCH TIRE NOISE IMPROVEMENT(ECU)**” will be displayed under Event Group. Select **Upgrade** to continue.



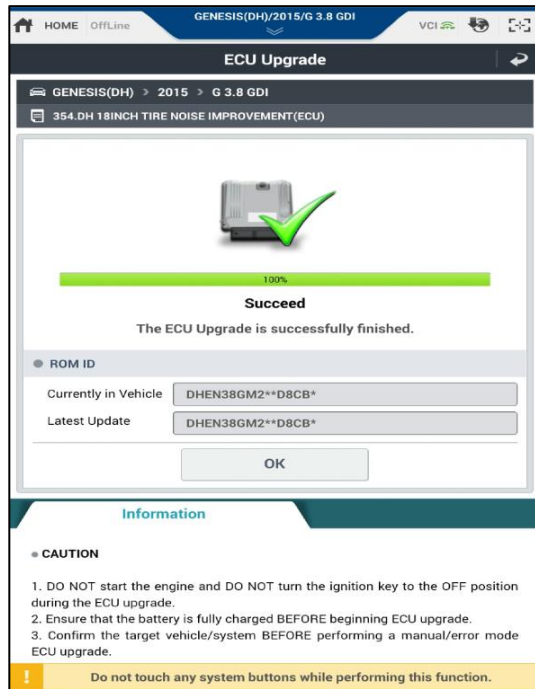
4. Read the caution statement and select **OK** to continue.



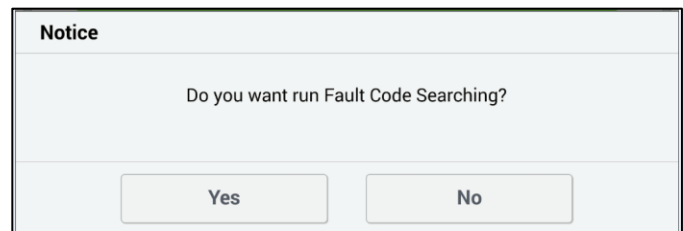
5. ECU Upgrade (1/2) will begin, followed by ECU Upgrade (2/2).



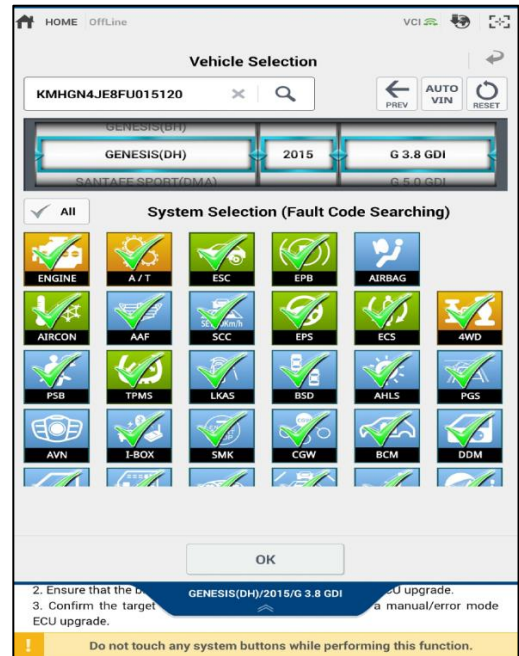
6. After ECU Upgrade (2/2) is 100% completed, the screen will display a confirmation message, along with the new ROM ID. Select **OK** to continue.



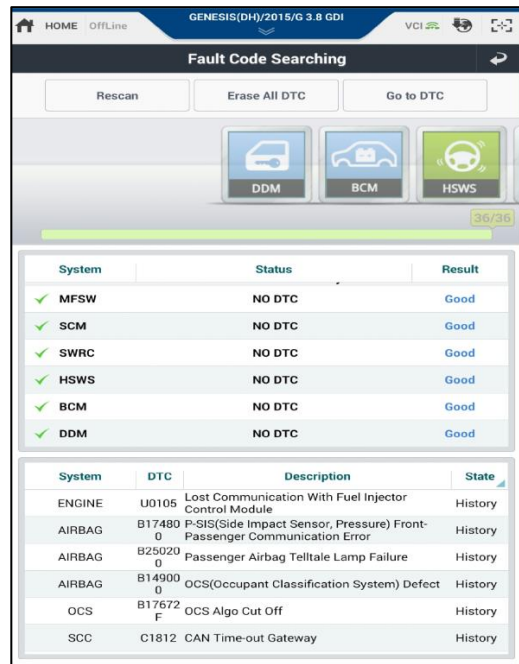
7. The option to perform Fault Code Searching will pop up. Select **Yes**.



8. Select all systems, and select **OK**.



9. GDS-mobile will scan all systems for diagnostic trouble codes (DTCs). Clear any DTCs present.



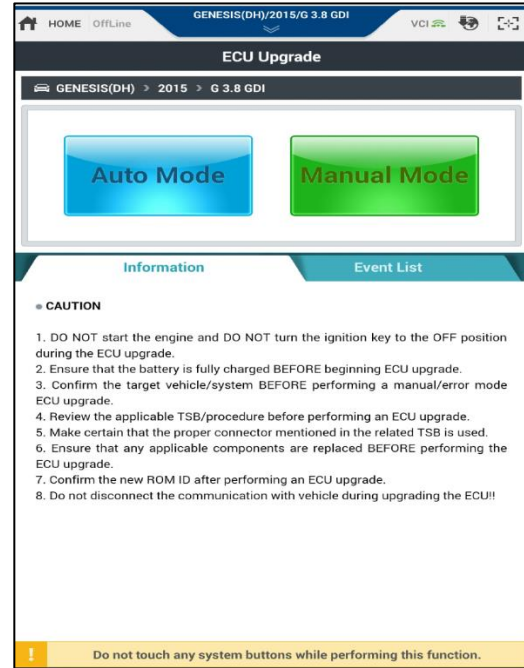
10. Turn the ignition OFF for 10 seconds. Then start the engine to confirm proper operation of the vehicle.

**GDS-Mobile Manual Update Procedure:**

**NOTICE**

- Manual update should be performed only when the automatic update fails.
- If automatic update fails, turn the ignition switch to OFF for 10 seconds, and then back to the ON position to reset the control unit before performing manual update.

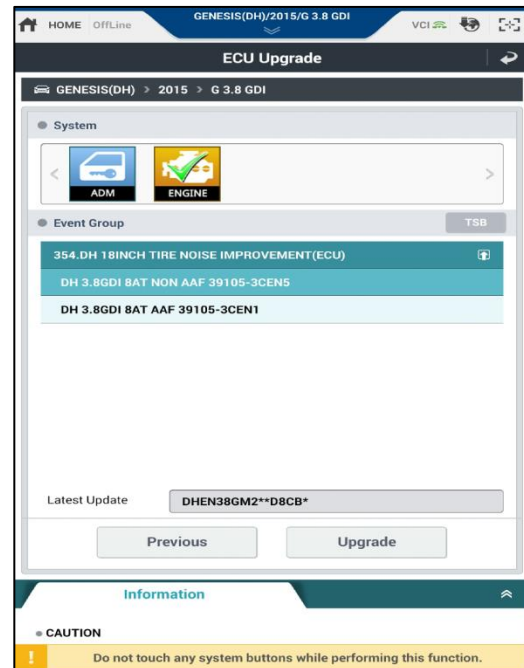
1. Select **Manual Mode** from the ECU Upgrade screen.



2. Select the **ENGINE** system.

Verify the update event "**354.DH 18INCH TIRE NOISE IMPROVEMENT(ECU)**" is shown.

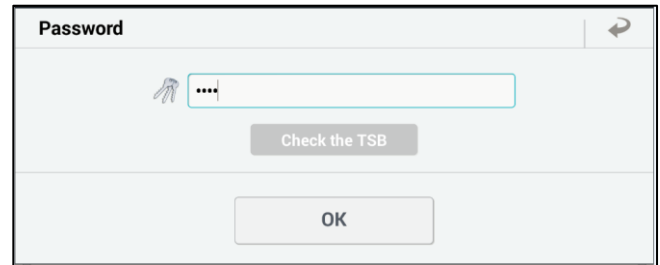
Select the appropriate control unit part number referencing the above **ROM ID Information Table** and click **UPGRADE**.





3. A prompt for password will appear. Enter the appropriate password, then select **OK**.

MENU	PASSWORD
DH 3.8GDI 8AT NON AAF 39105-3CEN5	<b>0535</b>
DH 3.8GDI 8AT AAF 39105-3CEN1	<b>0531</b>



4. Similar to the Automatic mode process, read the caution statement and select **OK**.

The ECU Upgrade should begin and conclude within a few minutes. Turn the ignition OFF for 10 seconds, and then back ON. Select **OK** to continue.

A confirmation screen will be displayed, along with the new ECU ROM ID.

Verify the ROM ID is correct according to the **ROM ID Information Table**.

Run the fault code searching on all systems for any DTCs, and erase any found.

Turn the ignition OFF for 10 seconds. Then start the engine to confirm proper operation of the vehicle.

	<b><u>DH Genesis Tire Replacement</u></b> <b><u>Data Sheet</u></b>	Date	
		Dealer Code	
		Technician	

**IMPORTANT**

- This completed worksheet must be stapled to the RO print out and kept with dealer records.
- This completed worksheet must also be scanned and emailed to: [genesisP18@hyundaitire.com](mailto:genesisP18@hyundaitire.com)

**Vehicle Data**

Prod Date:		Tire Size: (circle one)	<b>18"</b> or <b>19"</b>	Mileage:	
VIN:					
Wheel Balancer Model:					
Wheel Balancer Calibration Date:					

**Radial Force Variation (lbs.)\*\*\***

<b>Front Left</b> (Lowest RFV)		<b>Front Right</b> (2 <sup>nd</sup> lowest RFV)	
<b>Rear Left</b> (3 <sup>rd</sup> lowest RFV)		<b>Rear Right</b> (Highest RFV)	

\*\*\*5.0L V8 Genesis sedan (DH) vehicles are equipped with 19" wheels, and have staggered size tires front vs. rear. **Be sure to install the narrower wheel/tires assemblies on the front, and wider assemblies on the rear of the vehicle.** For either pair of front or rear wheel/tire assemblies, install those assemblies with lower RFV on the driver's side of the vehicle.