



## Technical Service Bulletin

<b>GROUP</b> <b>CAMPAIGN</b>	<b>NUMBER</b> <b>22-01-084G</b>
<b>DATE</b> <b>OCTOBER, 2022</b>	<b>MODEL(S)</b> <b>G90 (RS4)</b>

**SUBJECT:** G90 POWER SEAT MODULE (DPSM/PSM) & ASSIST POWER SEAT MODULE (APSM) SOFTWARE UPDATE (SERVICE CAMPAIGN T28G)

### ★ IMPORTANT

\*\*\*\*\*DEALER STOCK ONLY\*\*\*\*\*

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery.

Access the “Vehicle Information” screen (VIS) via WEBDCS to identify open campaigns.

**Description:** This bulletin provides information on performing a software update to the Power Seat Module (DPSM/PSM) and Assist Power Seat Module (APSM) for G90 (RS4) vehicles for improved usability and interference prevention logic.

**Applicable Vehicles:** Certain 2023MY G90 (RS4) vehicles produced from 4/21/2022 – 8/27/2022.

### Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
G90 (RS4)	20D118R1	DPSM & APSM UPGRADE	0.8 M/H	95450-T4000	I14	ZZ3

**NOTE 1:** Submit claim under Campaign Claim Entry Screen.

**NOTE 2:** If a part is found in need of replacement while performing this bulletin and the affected part is still under warranty, please submit a separate claim using the same Repair Order. If the affected part is out of warranty, submit a Prior Approval Request for goodwill consideration prior to performing the work.

## NOTICE

**Check if the vehicle’s software version is affected:**

- Check the current version of the DPSM and APSM ROM ID and compare it to the ROM ID information table listed below before attempting to perform the software update.

**NOTICE**

**You must initially perform the GDS DPSM (PSM) and APSM Update in Auto Mode.**

- Refer to the TSB **15-GI-001** for the tablet-based Mobile GDS ECU update procedures.
- If the DPSM/APSM update starts but then fails in Auto Mode, perform the update in Manual Mode to recover. Go to page 7 to complete the update in Manual Mode.

**NOTICE**

- In the ECU Upgrade screen, select “PSM” and then “APSM” as the systems to update.

**GDS Information:**

EVENT	EVENT DESCRIPTION
#885	“885.RS4 DPSM SOFTWARE UPDATE”
#886	“886.RS4 APSM SOFTWARE UPDATE”

**ROM ID Information Table:**

VEHICLE	SYSTEM	PART NUMBER	ROM ID	
			OLD	NEW
RS4 (#885)	DPSM (PSM)	95450-T4000	1.07 1.08	1.09
		95450-T4010	1.07 1.08	1.09
		95450-T4100	1.07 1.08	1.09
		95450-T4110	1.07 1.08	1.09
RS4 (#886)	APSM	95455-T4000	1.08 1.09	1.10
		95455-T4010	1.08 1.09	1.10
		95455-T4100	1.08 1.09	1.10
		95455-T4110	1.08 1.09	1.10
		95455-T4150	1.08 1.09	1.10

**SUBJECT:**

**G90 POWER SEAT MODULE (DPSM/PSM) & ASSIST POWER SEAT MODULE  
(APSM) SOFTWARE UPDATE (SERVICE CAMPAIGN T28G)**

		95455-T4160	1.08 1.09	1.10
		95455-T4200	1.08 1.09	1.10
		95455-T4210	1.08 1.09	1.10
		95455-T4300	1.08 1.09	1.10
		95455-T4310	1.08 1.09	1.10
		95455-T4350	1.08 1.09	1.10
		95455-T4360	1.08 1.09	1.10

**Manual Mode Password Information Table :**

EVENT #	MENU	PASSWORD
#885 DPSM (PSM)	RS4 DPSM 95450-T4000	4009
	RS4 DPSM 95450-T4010	4019
	RS4 DPSM 95450-T4100	4109
	RS4 DPSM 95450-T4110	4119
#886 APSM	RS4 APSM 95455-T4000	4001
	RS4 APSM 95455-T4010	4011
	RS4 APSM 95455-T4100	4101
	RS4 APSM 95455-T4110	4111
	RS4 APSM 95455-T4150	4151
	RS4 APSM 95455-T4160	4161
	RS4 APSM 95455-T4200	4201
	RS4 APSM 95455-T4210	4211
	RS4 APSM 95455-T4300	4301
	RS4 APSM 95455-T4310	4311
	RS4 APSM 95455-T4350	4351
	RS4 APSM 95455-T4360	4361

**Service Procedure:****CAUTION****Cautions During Control Unit Upgrade**

- Confirm the vehicle's 12V aux. battery is fully charged. Please connect a battery charger before proceeding to eliminate risk of software update failure due to insufficient battery voltage.
- Turn off all lamps (Do not leave head lamp switch in auto mode) and all accessories (heater, A/C, blower, radio, seat warmer, defroster, etc.); do not allow the battery to be discharged during upgrade.
- Perform upgrade with the ignition switch in the ON position.
- Be careful not to disconnect any cables connected to the vehicle or scan tool during upgrade.
- Do not start the engine during upgrade.
- Do not turn off the ignition switch during upgrade.
- Do not touch the systems buttons (like 'BACK', 'HOME', 'etc.') while performing upgrade.

**■ CONTROL UNIT UPGRADE PROCEDURE USING THE GDS-Mobile****1. GDS (Global Diagnostic System)-Mobile INSTALLATION PROCEDURE**

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

Before starting the update, make certain that the battery of the Table PC is sufficiently charged.

**NOTICE**

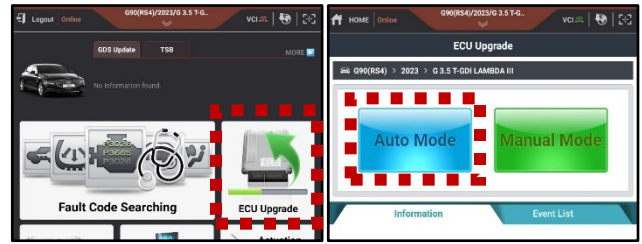
ECU upgrade function on GDS-Mobile is basically operating in wireless communication and Wi-Fi direct. Also, it is possible to be performing via USB cable between Tablet PC and VCI-II.

**NOTICE**

**You must initially perform GDS-M DPSM/APSM Update in Auto Mode.**  
If the update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

## 2. AUTOMATIC UPGRADE PROCEDURE USING THE GDS-MOBILE

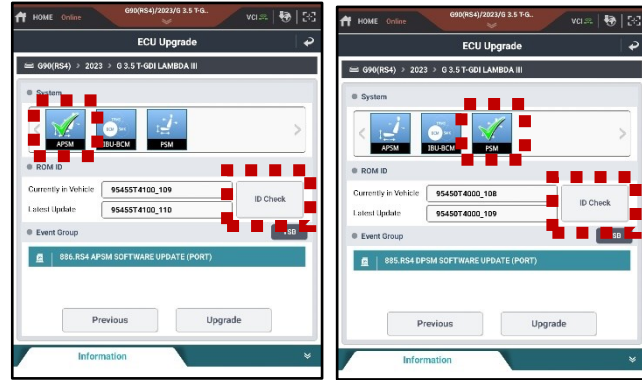
2. Select **ECU Upgrade** on the initial screen after entering the vehicle information and select **Auto Mode**.



3. Select the applicable systems (**APSM** and **PSM**) and select **ID check** to check the vehicle's current ROM ID.

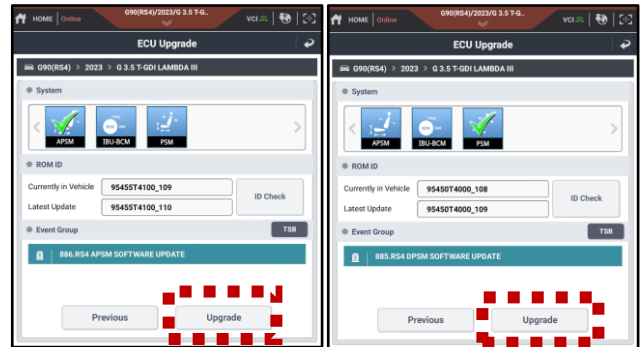
### NOTICE

Check the current ROM ID version and compare it to the ROM ID Information Table before attempting to perform the software update.



4. Select **Upgrade** after confirming correct Event is selected:

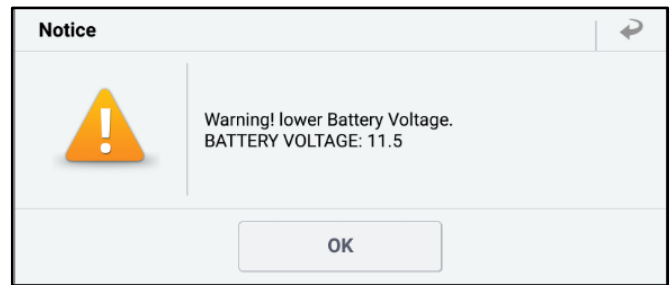
"885.RS4 DPSM SOFTWARE UPDATE"  
"886.RS4 APSM SOFTWARE UPDATE"



5. The vehicle battery voltage is checked to make sure it is at least 12 voltages to assure reliable upgrade results. Click OK if the results indicate voltage is ok.

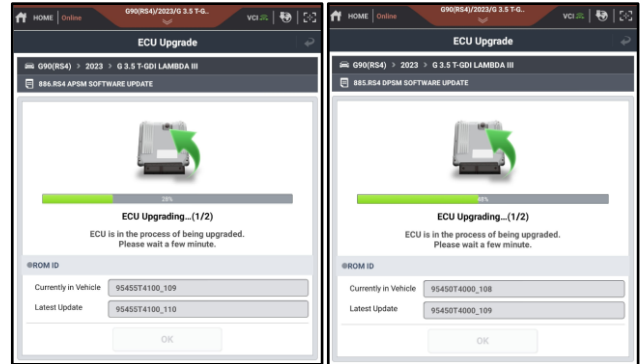
### NOTICE

If battery voltage is below 12 voltages as below, click BACK and then run the engine to assure an adequate battery charge state for reliable upgrade results.



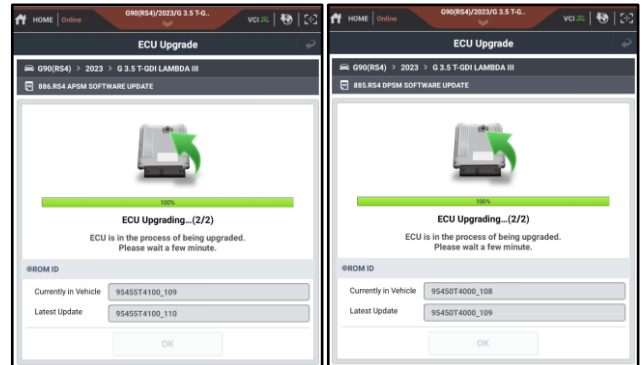
- Upgrade (1/2) will begin, and the progress of the upgrade will appear on the bar graph.

Upgrade (1/2) will occur until 100% is reached on the bar graph.

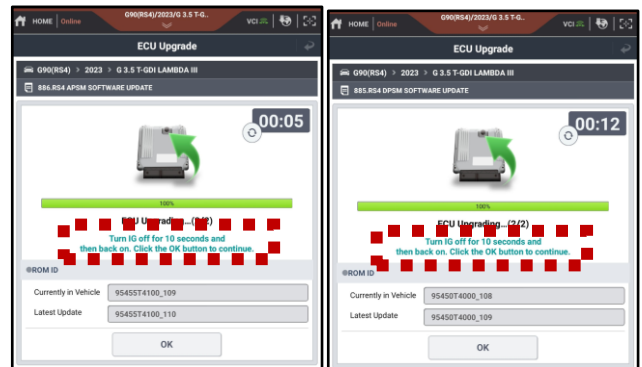


- Upgrade (2/2) will begin, and the progress of the upgrade will appear in the bar graph.

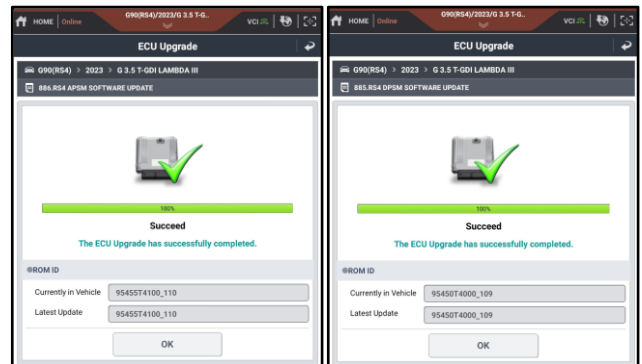
Upgrade (2/2) will occur until 100% is reached on the bar graph.



- When upgrade reaches 100%, follow GDS instructions to “Turn IG off for 10 seconds and then back on. Click the **OK** button to continue.”



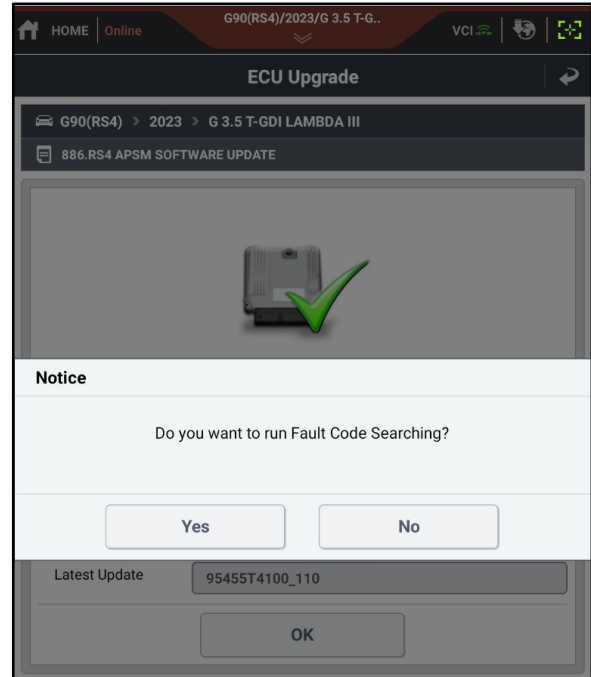
- Click **OK** on the final screen, which indicates upgrade is complete.



10. Repeat steps 4 ~ 9 to upgrade remaining module.

11. Check if any incidental Diagnostic Trouble Codes (DTC) or check engine lights have been created by the update and clear the DTC(s) present.

Start the engine to confirm proper operation of the vehicle.

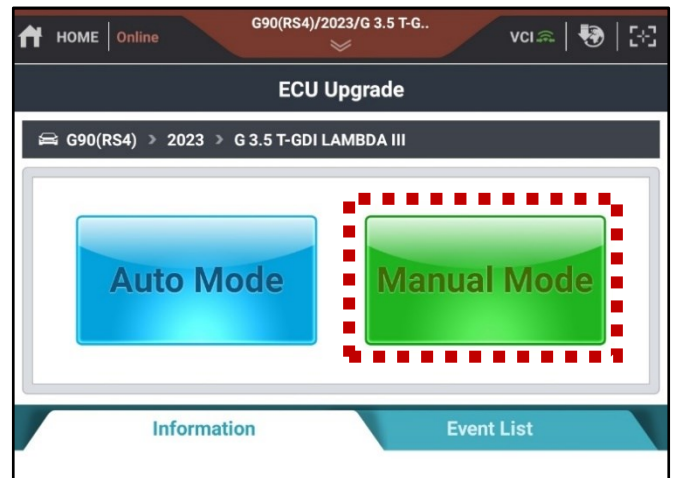


### 3. MANUAL UPGRADE PROCEDURE USING THE GDS-MOBILE

#### NOTE:

- The manual upgrade should be performed only when the automatic upgrade fails.
- If automatic upgrade fails, turn the ignition key off for about 10 seconds, place it back in the on position to reset the control unit before performing manual upgrade.

12. Select ECU Upgrade on the initial screen after entering the vehicle information and select Manual Mode.



- 13. Select the module and the part number with reference to the above ROM ID Information Table and tab Upgrade.



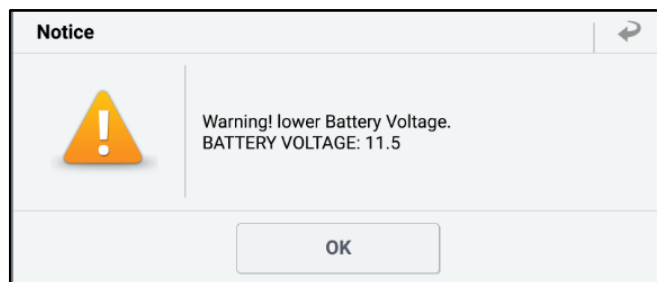
14. Enter the password from the below table then touch OK.

EVENT #	MENU	PASSWORD
#885 (DPSM)	RS4 DPSM 95450-T4000	4009
	RS4 DPSM 95450-T4010	4019
	RS4 DPSM 95450-T4100	4109
	RS4 DPSM 95450-T4110	4119
#886 (APSM)	RS4 APSM 95455-T4000	4001
	RS4 APSM 95455-T4010	4011
	RS4 APSM 95455-T4100	4101
	RS4 APSM 95455-T4110	4111
	RS4 APSM 95455-T4150	4151
	RS4 APSM 95455-T4160	4161
	RS4 APSM 95455-T4200	4201
	RS4 APSM 95455-T4210	4211
	RS4 APSM 95455-T4300	4301
	RS4 APSM 95455-T4310	4311
	RS4 APSM 95455-T4350	4351
	RS4 APSM 95455-T4360	4361

15. The vehicle battery voltage is checked to make sure it is at least 12 volts to ensure reliable upgrade results. Click OK if the results indicate voltage is OK.

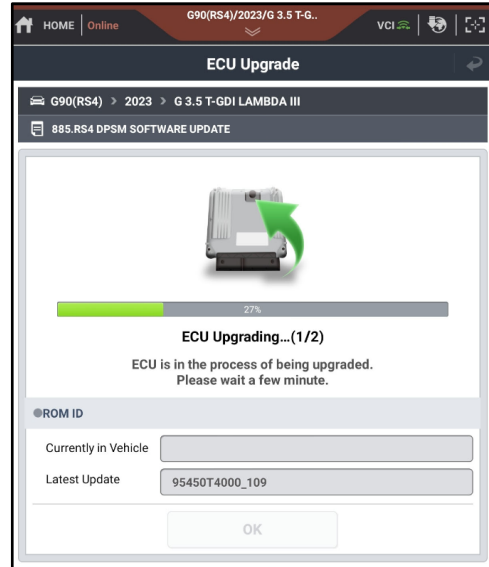
**NOTICE**

If battery voltage is below 12 voltages as below, click BACK and then run the engine to assure an adequate battery charge state for reliable upgrade results.



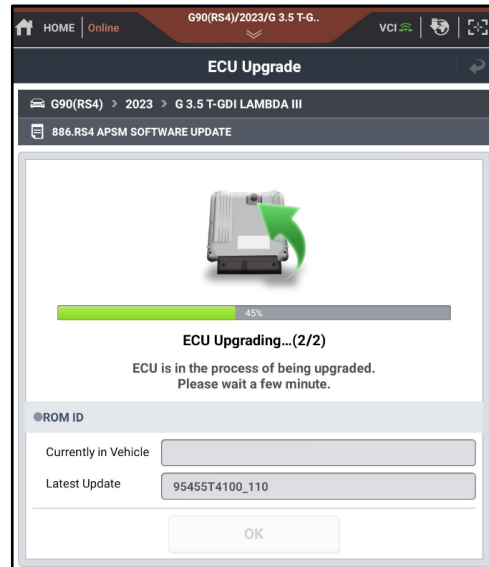
16. Upgrade (1/2) will begin, and the progress of the upgrade will appear on the bar graph.

Upgrade (1/2) will occur until 100% is reached on the bar graph.

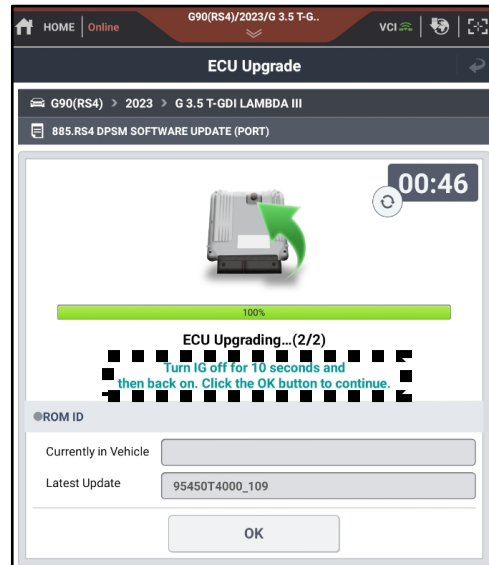


17. Upgrade (2/2) will begin, and the progress of the upgrade will appear in the bar graph.

Upgrade (2/2) will occur until 100% is reached on the bar graph.



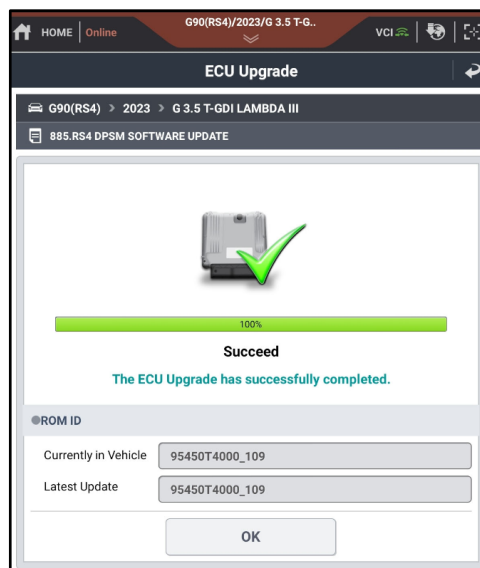
18. When upgrade reaches 100%, follow GDS instructions to “Turn IG off for 10 seconds and then back on. Click the OK button to continue.”



19. Click OK on the final screen, which indicates upgrade is complete.

**NOTICE**

Check the ICU ROM ID and compare it to the ROM ID Information Table to confirm latest ROM ID was updated.



20. Check if any incidental Diagnostic Trouble Codes (DTC) or check engine lights have been created by the update and clear the DTC(s) present.

Start the engine to confirm proper operation of the vehicle.

