



## Technical Service Bulletin

<b>GROUP</b> BODY ELECTRICAL	<b>NUMBER</b> 23-BE-004G
<b>DATE</b> MARCH, 2023	<b>MODEL(S)</b> GV80 (JX1)

**SUBJECT:** GV80 POWER TAILGATE CONTROL (PTGM) LOGIC IMPROVEMENT

**Description:** Certain 2021-2023MY GV80 (JX1) vehicles may exhibit a poorly closing power tailgate due to improper latching when closing which may cause the liftgate warning chime to come on.

This bulletin provides the service procedure to update the Power Tailgate Module (PTGM) software to improve the condition stated above.

**Applicable Vehicles:** 2021-2023MY GV80 (JX1) vehicles produced from 7/27/2020 – 11/05/2022.

### Warranty Information:

MODEL	OP. CODE	OPERATION	OP. TIME	CAUSAL PART	NATURE CODE	CAUSE CODE
GV80 (JX1)	81870F02	PTGM UPGRADE	0.3 M/H	81870-T6100	I14	ZZ3

**NOTE:** Normal warranty applies.

## NOTICE

### Check if the vehicle's software version is affected:

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

### GDS INFORMATION:

EVENT	EVENT DESCRIPTION
#919	#919.JX1 POWER TAILGATE CONTROL LOGIC IMPROVEMENT(PTGM)

### ROM ID INFORMATION TABLE:

MODEL	SYSTEM	P/N	ROM ID	
			OLD	NEW
GV80 (JX1)	PTGM	81870-T6100	1.01 ~ 1.06	1.07

### MANUAL MODE PASSCODE INFORMATION TABLE:

EVENT	MENU	PASSCODE
#919	JX1 81870-T6100	6100

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

**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****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, check power tailgate is operating properly and 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.

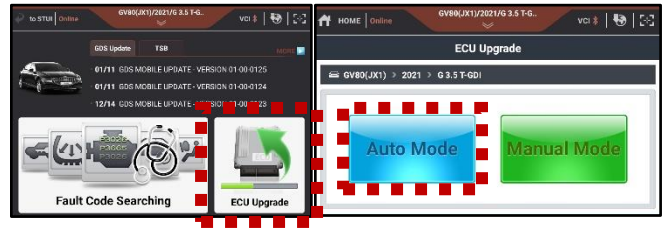
**NOTICE**

**You must initially perform PTG Update in Auto Mode.**

If the update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

**AUTOMATIC UPGRADE PROCEDURE USING THE GDS-MOBILE**

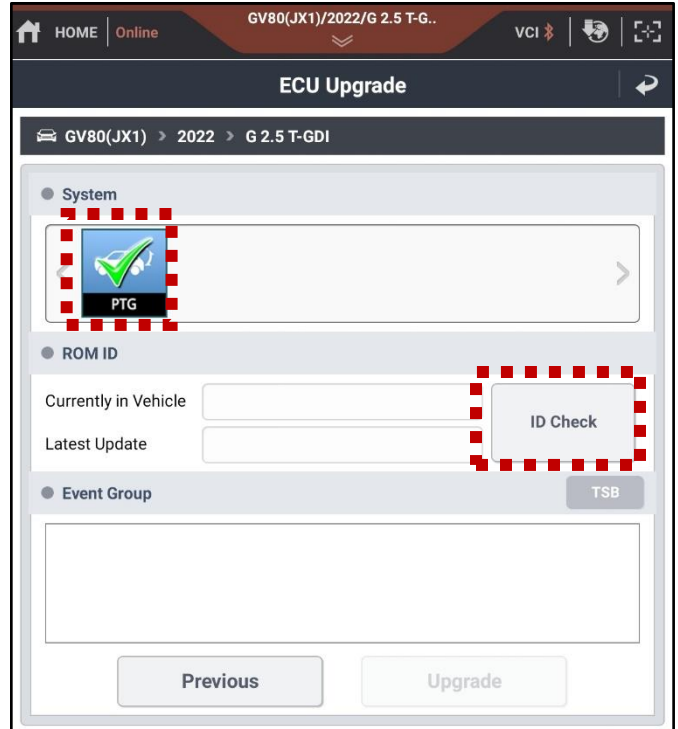
2. Select **ECU Upgrade** on the initial screen after entering the vehicle information and select **Auto Mode**.



3. Select the PTG system and select **ID check** to check the vehicle's current ROM ID.

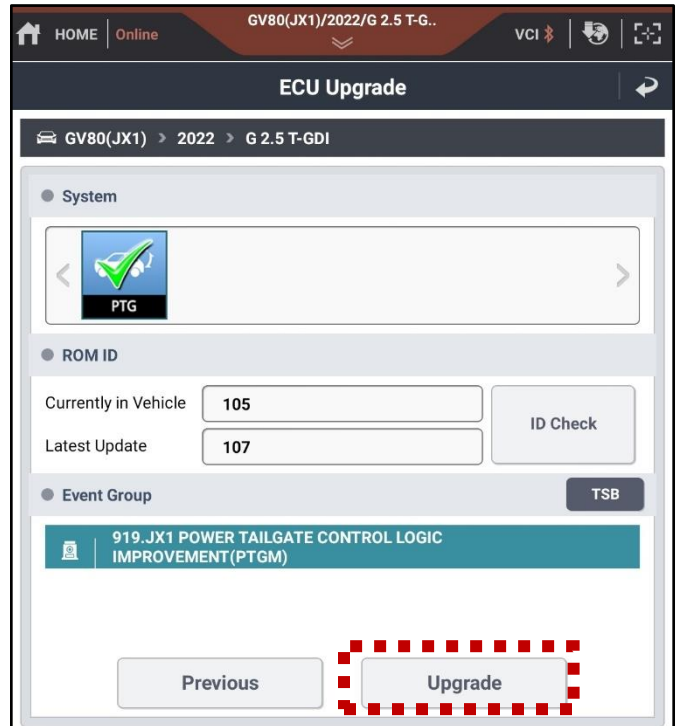
**NOTICE**

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:

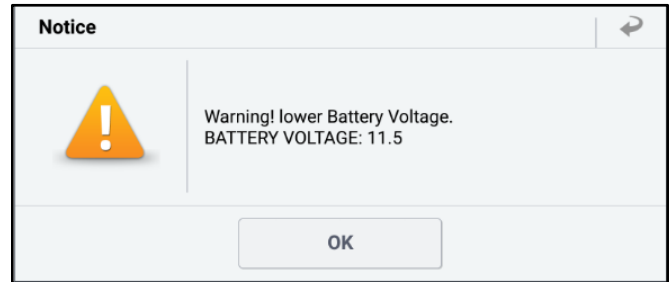
**#919.JX1 POWER TAILGATE CONTROL LOGIC IMPROVEMENT(PTGM)**



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.

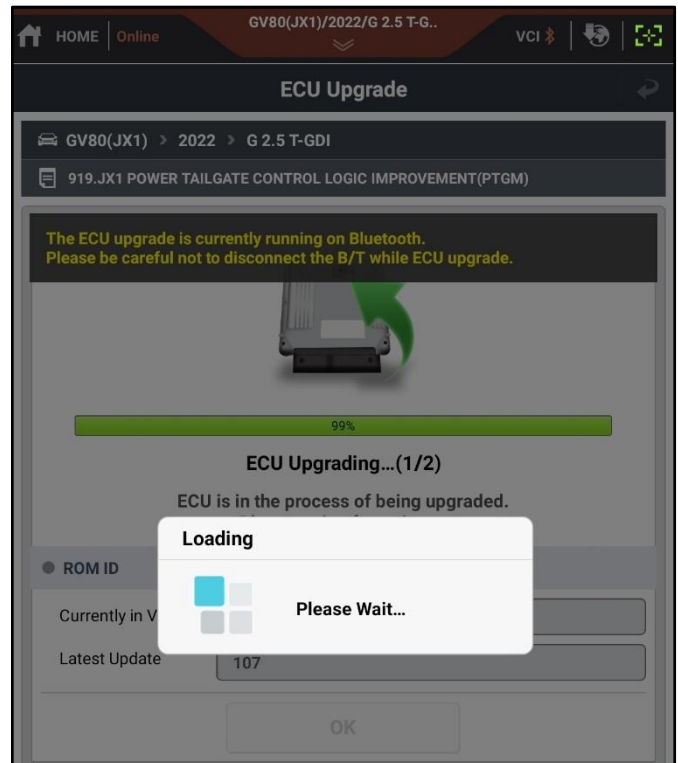
### NOTICE

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.



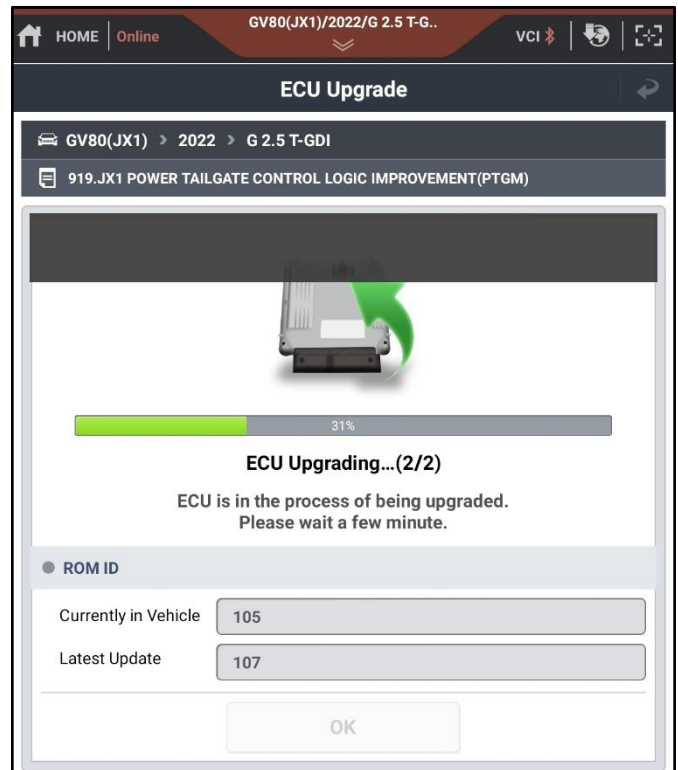
6. Upgrade (1/2) will begin, and the progress of the upgrade will appear on the bar graph.

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

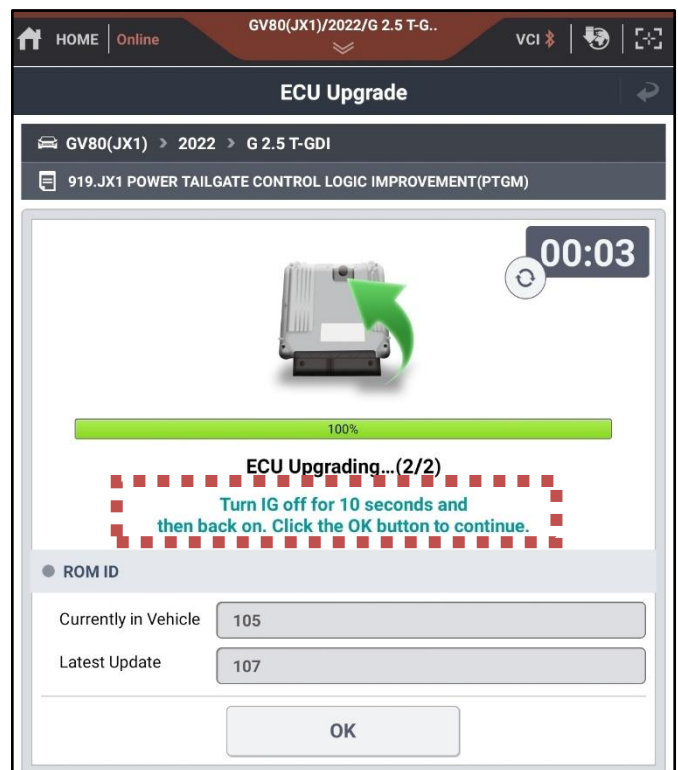


7. Upgrade (2/2) will begin, and the progress of the upgrade will appear in the bar graph.

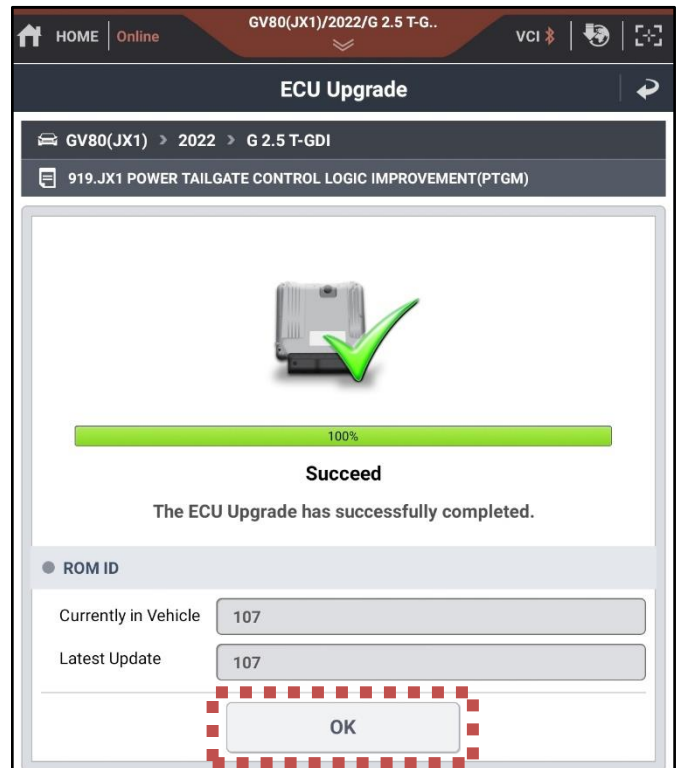
Upgrade (2/2) will occur until 100% is reached on the bar graph.



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



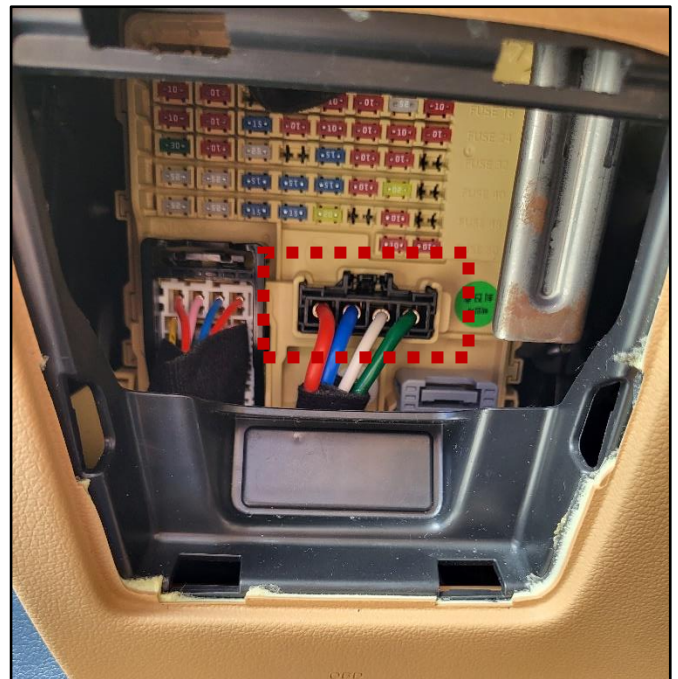
9. Click **OK** on the final screen, which indicates upgrade is complete.



10. **After upgrade, remove power connector of indoor fuse box, and reconnect it after 5 seconds.**

Check if any incidental Diagnostic Trouble Codes (DTC) have been created by the upgrade and clear the DTC(s) present.

Start the engine to confirm proper operation of the vehicle and check power tailgate is operational.

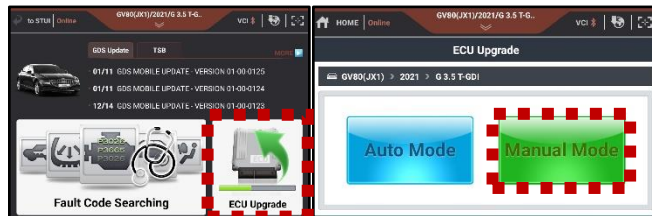


**MANUAL UPGRADE PROCEDURE USING THE GDS-MOBILE**

**NOTE:**

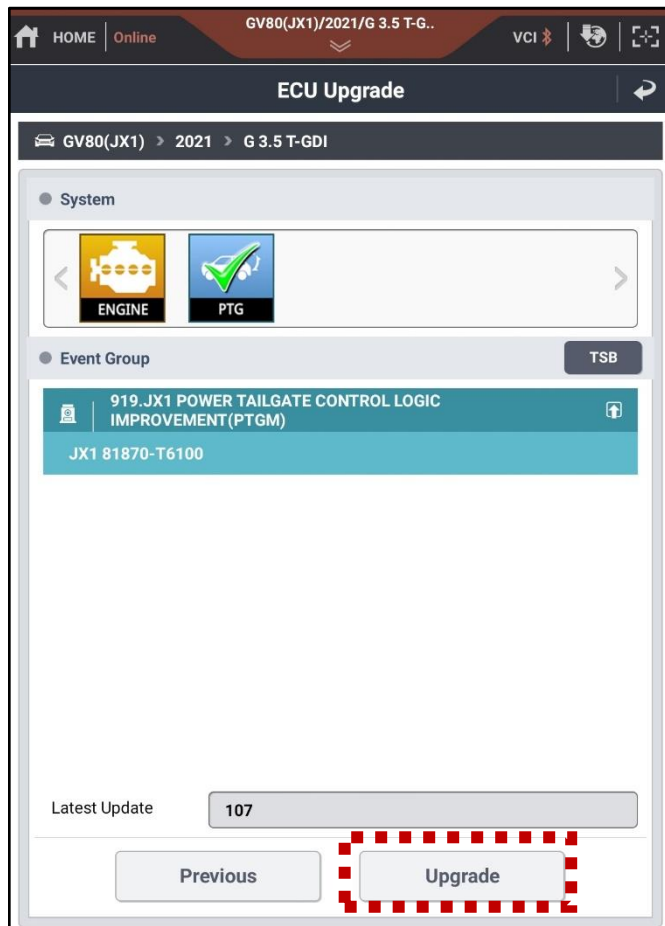
- The manual upgrade should be performed only when the automatic upgrade fails.
- If automatic upgrade fails, turn the ignition key off for about 10 seconds, place it back in the on position to reset the control unit before performing manual upgrade.

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



12. Select PTG and confirm the event and part number with reference to the above ROM ID Information Table and tab Upgrade.

**#919.JX1 POWER TAILGATE CONTROL LOGIC IMPROVEMENT(PTGM)**



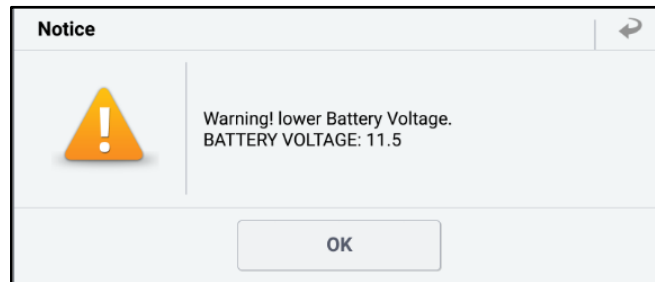
13. Enter the passcode from the Manual Passcode table below then touch OK.

EVENT	MENU	PASSCODE
#919	JX1 81870-T6100	6100

14. 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.

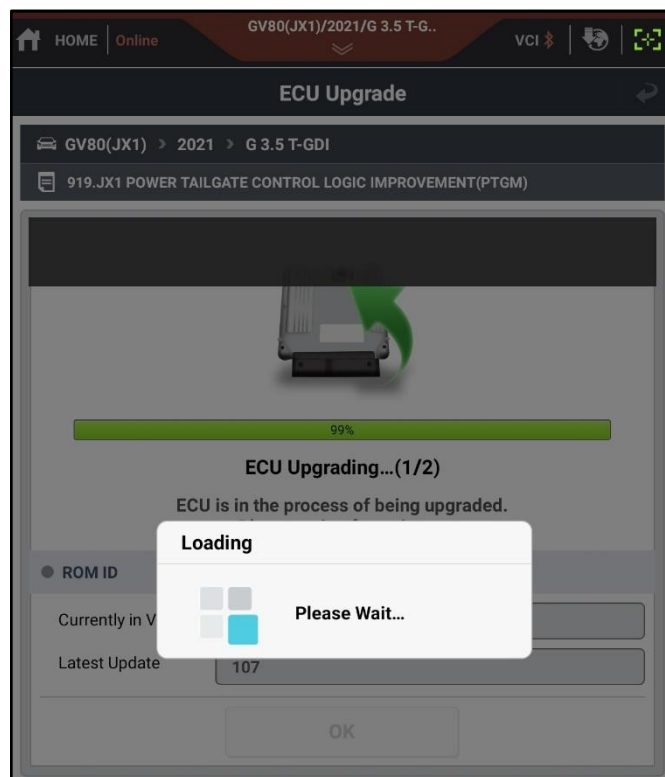
### NOTICE

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.

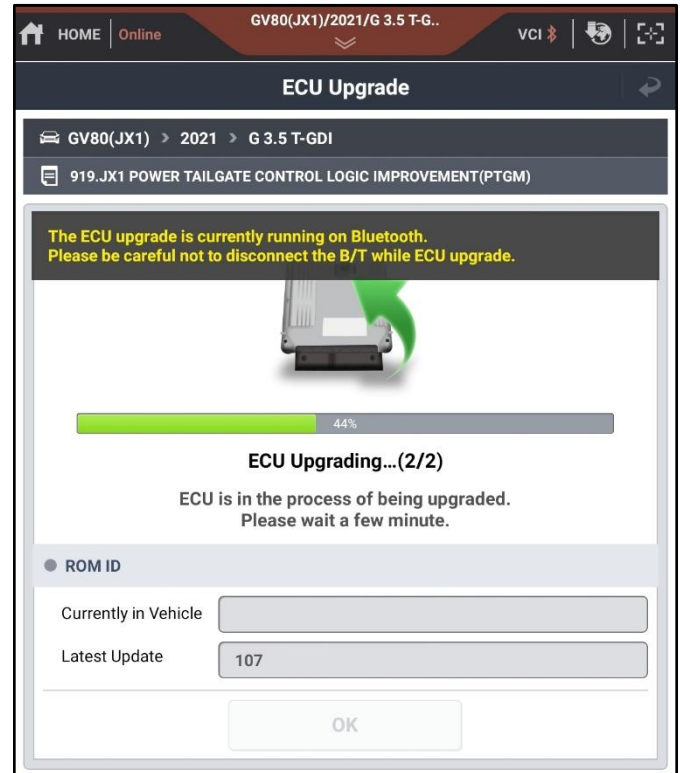
Upgrade (1/2) will occur until 100% is reached on the bar graph.



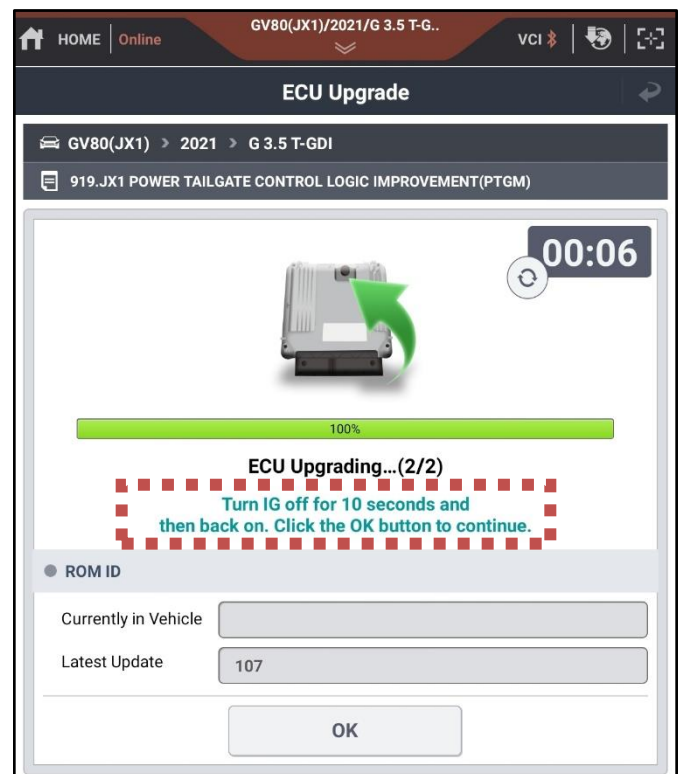


17. Upgrade (2/2) will begin, and the progress of the upgrade will appear in the bar graph.

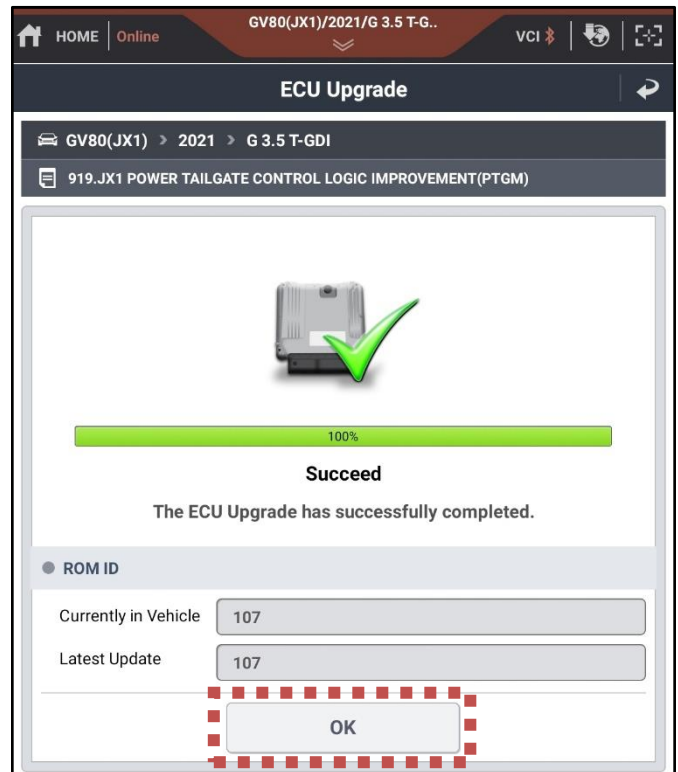
Upgrade (2/2) will occur until 100% is reached on the bar graph.



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.



20. **After upgrade, remove power connector of indoor fuse box, and reconnect it after 5 seconds.**

Check if any incidental Diagnostic Trouble Codes (DTC) have been created by the upgrade and clear the DTC(s) present.

Start the engine to confirm proper operation of the vehicle and check power tailgate is operational.

