



Technical Service Bulletin

GROUP	NUMBER
CAMPAIGN	24-01-083G
DATE	MODEL(S)
NOVEMBER 2024	GV60 (JW1 EV)

SUBJECT: BMS UPDATE FOR CELL VOLTAGE VARIANCE AND CHARGING INTERRUPTION PREVENTION (SERVICE CAMPAIGN T62G)

This TSB supersedes TSB 24-01-070G (Service Campaign T57G) to update all sections, including Subject, Description, GDS Event, Warranty Information, ROM IDs, and manual mode password.

★ IMPORTANT

Retailers must perform this service campaign on all affected vehicles prior to retail delivery to a guest and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the “Vehicle Information” screen via WebDCS to identify open campaigns.

Description: Certain GV60 (JW1 EV) vehicles may exhibit a condition where a cell voltage variation becomes active after charging. The Battery Management System (BMS) software logic could cause an HV battery cell voltage to be misread under specific conditions resulting in a false-positive DTC, MIL on, and 80% maximum HV battery charge limit. There is no other effect on the vehicle and all systems remain operational. With this update the charging logic is also improved for charging calibration and climate control functions in the Genesis Connect app. Regardless of whether the vehicle has an active DTC P1AA900 or not, follow the procedure in this TSB to update the software for the Battery Management System (BMS).

Applicable Vehicles (Certain):

- 2023-2024MY GV60 (JW1 EV) produced from 02/06/2023 – 02/27/2024

NOTICE

To avoid any potential damage to Genesis EVs, this service campaign can only be performed by EV certified Genesis retailers.

GDS Information:

System	Event #	Description
BMS	1164	JW CELL VOLTAGE VARIANCE LOGIC, PREVENT CHARGING INTERRUPTIONS, PREVENT ISSUES WITH THE REMOTE CLIMATE CONTROL

(*or use a later available event as listed in the GDS BMS Update screen if one is available.)

NOTE: This software update is subject to an OTA (Over The Air) option and may be completed by guests with active Connected Services subscriptions.

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

SUBJECT:**BMS UPDATE FOR CELL VARIANCE AND CHARGING INTERRUPTION
PREVENTION (SERVICE CAMPAIGN T62G)****Warranty Information:**

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
GV60 (JW1 EV)	40D209R0	BMS Software Update	0.3 M/H	375A0-CU060	I14	ZZ3

NOTE 1: Submit claim on Claim Entry Screen as “Campaign” type.

NOTE 2: If a part is found in need of replacement while performing this campaign and the affected part is still under warranty, 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.

NOTE 3: Op times include VIN, Mileage, and photo capture of the “ECU update complete” screen as outlined in the Digital Documentation Policy.

ROM ID Information: Event # 1164

Model	System	ECU Part Number	ROM ID	
			Old	New
GV60 (JW1 EV)	BMS	375A0-CU060	375A0CU060_5100	375A0CU060_5400
			375A0CU060_5200	

Service Procedure:**STUI**

This TSB includes Repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

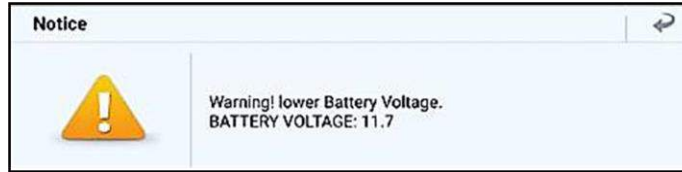
NOTICE

You must initially perform the GDS ECU update in Auto Mode.

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

NOTICE**GDS Vehicle Battery Low Voltage Warning:**

If voltage is below 12 volts per the GDS warning, then select **Back** and attach a battery charger to ensure an adequate battery charge for reliable update results. Turn ignition back **ON**, and then retry the ECU update again.

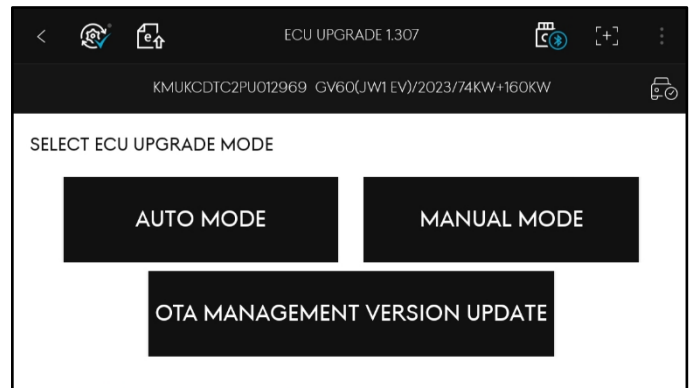
**ECU Update Procedure**

1. Perform the ECU update in **Auto Mode**.

Use the **ID Check** to verify the ROM ID before updating the software.

**Information**

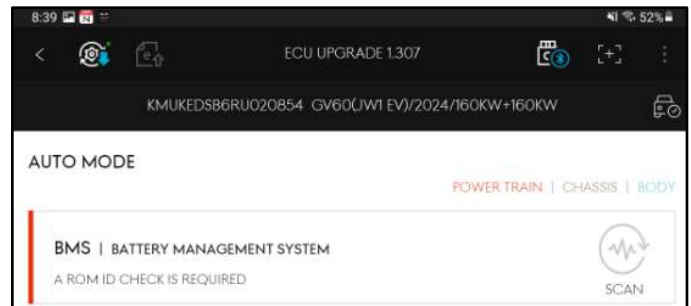
Refer to **TSB # 24-GI-016G**, “**ECU Update Procedure for Tablet-Based Genesis Smart**”, for additional information.



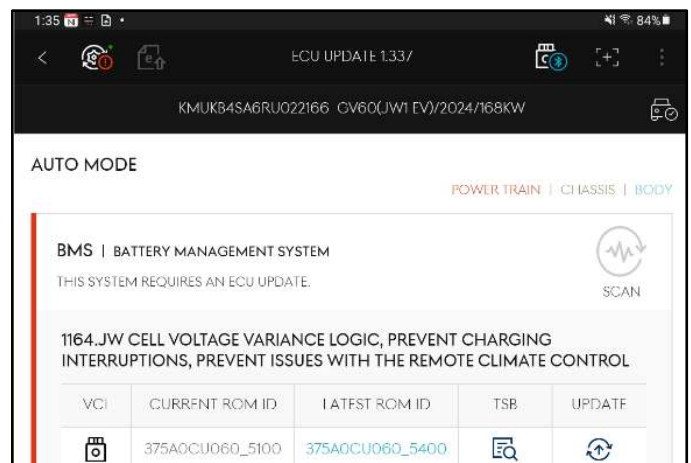
2. Select the **BMS** system to scan the vehicle's current ROM ID.

NOTICE

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

**NOTICE**

If the update fails, please remove the power connector or the battery (–) connector from the indoor fuse box for at least 5 seconds and reassemble it to retry the update.



3. After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to **30 seconds**).



Information

Use the **Refresh** button to reset the timer.

ENGINE START STOP

00:11

TURN IG OFF FOR 10 SECONDS AND THEN BACK ON. CLICK THE OK BUTTON TO CONTINUE.

ROM ID

CURRENTLY IN VEHICLE	
LATEST UPDATE	

OK

After clicking **OK**, the OTA Initialization process will begin.

- If OTA initialization performs automatically, then proceed with the service procedure.
- If the OTA initialization fails, **connect GDS-Smart > S/W Management > Central Communication Unit (CCNF) > OTA Initialization**

Follow the instructions on the screen.

Information

OTA initializing is in process.
Please wait.

- 4.

STUI



Take a screenshot of the ECU update complete screen using your tablet and upload to STUI.

1:42 82%

ECU UPDATE 1.33/

KMUKB4SA6RU022166 OV60(JWT EV)/2024/168KW

1164..JW CELL VOLTAGE VARIANCE LOGIC, PREVENT CHARGING INTERRUPTIONS, PREVENT ISSUES WITH THE REMOTE CLIMATE CONTROL

100%

SUCCESS

THE ECU UPDATE HAS SUCCESSFULLY COMPLETED.

ROM ID

CURRENTLY IN VEHICLE	375ADCU060_5400
LATEST UPDATE	375ADCU060_5400

OK

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PREVENTION (SERVICE CAMPAIGN T62G)**

5. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.
6. Start the vehicle in **Ready** mode to confirm proper operation.

NOTICE

If the ECU update fails in Auto Mode, perform the update in Manual Mode using the password(s) below.

Manual Mode Password: Event # 1164

ECM Menu	Password
JW1 EV BMS 375A0-CU060	0600