

 Technical Service Bulletin	GROUP	NUMBER
	EV Systems	23-EV-005G
	DATE	MODEL(S)
	June 2023	GV60 Electric (JW1 EV), G80 Electric (RG3 EV) GV70 Electric (JK1 EV)
SUBJECT: VCMS UPDATE FOR CHARGING SOFTWARE IMPROVEMENT		

Description: This bulletin provides the procedure for updating the software of the Vehicle Charge Management System (VCMS) to improve charging.

It may address an intermittent stops charging condition or the following EV Light On DTC condition:
DTC P1ABD00 – Battery Charger Coupler Temperature Too High

Applicable Vehicles:

- 2023MY GV60 Electric (JW1 EV) vehicles produced Feb. 4, 2022 to Jan. 05, 2023
- 2023MY G80 Electric (RG3 EV) vehicles produced Feb. 23, 2022 to Dec. 29, 2022
- 2023MY GV70 Electric (JK1 EV) vehicles produced Dec. 2, 2022 to May 23, 2023

GDS Information:

System	Event #	Description
VCMS	928*	JW1 EV VCMS CHARGING CONDITION SOFTWARE LOGIC IMPROVEMENT
	938*	RG3 EV VCMS CHARGING CONDITION SOFTWARE LOGIC IMPROVEMENT
	931*	JK1 EV VCMS CHARGING CONDITION SOFTWARE LOGIC IMPROVEMENT

*or any later updated event that comes up.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
GV60 Electric (JW1 EV)	35001Q0C	VCMS UPGRADE	0.3 M/H	35000-1XCA0	I14	ZZ3
G80 Electric (RG3 EV)	35001Q0C	VCMS UPGRADE	0.3 M/H	35000-1XBA0	I14	ZZ3
GV70 Electric (JK1 EV)	35001Q0C	VCMS UPGRADE	0.3 M/H	35001-1XDA0	I14	ZZ3

NOTE 1: Op time includes VIN, Mileage, and photo capture of the “ECU Update Complete” screen.

NOTE 2: Normal warranty applies.

NOTE 3: Submit claim on Claim Entry Screen as “Warranty” type.

NOTE 4: If a part that is not covered by this TSB needs replacement while performing this TSB, and the affected part is still under warranty, please submit a separate claim using the same repair order. If the part is out of warranty, submit a prior approval request for goodwill consideration prior to performing the work.

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

Service Procedure:

STUI



As outlined in the Digital Documentation Policy, all claims require VIN and Mileage validation through VCI connection or photo capture, AND photo capture of the “ECU Update Complete” screen. **All claims submitted that have incomplete, illegible, or missing documentation are subject to debit.**

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.

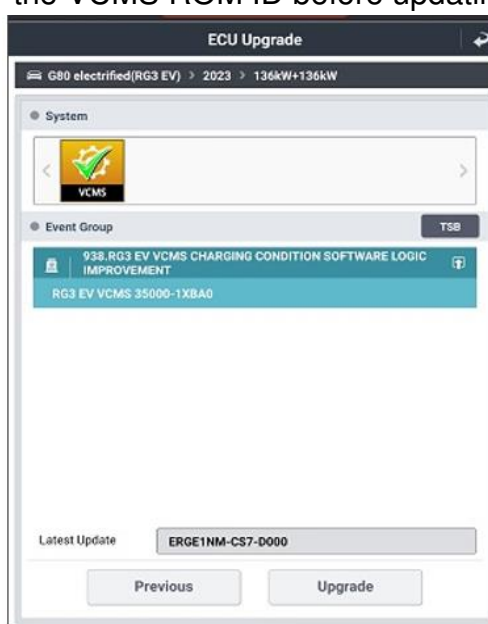
WARNING

GDS Vehicle Battery Low Voltage Warning:

If voltage is below 12 volts as per the below GDS warning, then select **Back** and run the vehicle for at least 20 minutes to ensure an adequate battery state of charge for reliable update results. Turn ignition back on, and then retry the ECU update again.



1. Perform the VCMS Update in Auto Mode.
 - a. Use the Auto Mode ID Check to verify the VCMS ROM ID before updating the software.



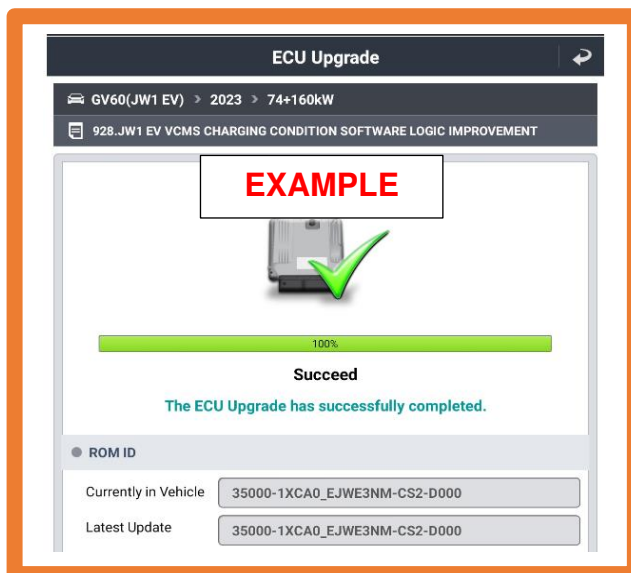


- b. After the ECU Upgrade process shows 100% complete, cycle the ignition key to **OFF** for at least 10 seconds to reset the control unit.
- c. Take a screenshot of the ECU Update complete screen and upload to STUI.

STUI



Take a screenshot of the ECU Update Complete screen using your particular tablet's screenshot save method and upload to STUI.



2. Perform an All Systems Fault Code search and erase the history of the DTC that had incidentally occurred from the ECU update.
3. Start the vehicle in Ready mode to confirm proper operation of the vehicle.
4. Confirm that vehicle functions to take a Level-1 ICCB or Level-2 AC Charge.

ROM ID Information Table:

VEHICLE	MY	SYSTEM	ECU P/No.	ROM ID	
				OLD	NEW
JW1 EV	23MY	VCMS	35000-1XCA0	EJWE1NM-CS1-D000 EJWE1NM-CS2-D000 EJWE3NM-CS1-D000	EJWE3NM-CS2-D000
RG3 EV	23MY	VCMS	35000-1XBA0	ERGE1NM-CS6-D000 ERGE1NM-CS5-D000	ERGE1NM-CS7-D000
JK1 EV	23MY	VCMS	35001-1XDA0	EJKE1NM-CS1-D000	EJKE1NM-CS2-D000

Manual Mode Password

MENU	PASSWORD
JW1 EV VCMS 35000-1XCA0	3201
RG3 EV VCMS 35000-1XBA0	1147
JK1 EV VCMS 35001-1XDA0	3500