

 <p>JX</p> <p>Technical Service Bulletin</p>	<p>GROUP</p> <p>BODY ELECTRICAL</p>	<p>NUMBER</p> <p>25-BE-007G</p>
	<p>DATE</p> <p>APRIL 2025</p>	<p>MODEL(S)</p> <p>SEE BELOW</p>
<p>SUBJECT: FRONT RADAR SOFTWARE UPDATE FOR DTC C1620</p>		

Description: Certain 2021-2023MY GV80 (JX1), 2022-2023MY GV70 (JK1), 2021-2023MY G80 (RG3) and 2023MY G80 Electrified (RG3 EV) vehicles may exhibit a warning light with DTC C162078 due to improper detection of steel structures.

Advanced Driver Assistance System (ADAS) functions are not affected due to this condition. Follow the procedure in this bulletin to update the front radar unit and perform all related adjustments according to shop manual.

Applicable Vehicles:

- 2021-2023MY GV80 (JX1)
- 2022-2023MY GV70 (JK1)
- 2021-2023MY G80 (RG3)
- 2023MY G80 Electrified (RG3 EV)

NOTICE

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

SST Information:

Tool Name	Tool Number	Figure	Ordering Information
VCI 3	G0VPNNN006		<p>Website: https://genesisessentialtools.com/</p> <p>Email: Genesistools@snapon.com</p> <p>Phone: 1-855-763-6630</p> <p>Hours: 7 AM – 7 PM CST</p>
VCI 2	G1XDDMN002		

GDS Information:

System	Event	Description
Front Radar	1100	JX1 Front Radar C162078 DTC Logic Improvement
	1101	RG3 Front Radar C162078 DTC Logic Improvement
	1102	RG3 EV Front Radar C162078 DTC Logic Improvement
	1103	JK1 Front Radar C162078 DTC Logic Improvement

(or use a later available event as listed in the GDS **FR_Radar / Front Radar** applicable System (e.g. ECM) Update screen if one is available.)

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
G80 (RG3) G80 Electrified (RG3 EV) GV70 (JK1) GV80 (JX1)	99110F05	FCA Update & Front Radar Calibration	0.8 M/H	99110*	I14	ZZ3

NOTE 1: Normal warranty applies.

NOTE 2: Submit claim on Claim Entry Screen as “Warranty” type.

NOTE 3: This TSB includes Repair validation photo(s). Op times include VIN, Mileage, and photo capture of the “ECU update complete” screen as outlined in the Digital Documentation Policy.

NOTE 4: If a part is found in need of replacement while performing this TSB 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 5: *Refer to applicable parts catalog for full causal part numbers.

ROM ID Information:

Model	Event	System	ECU Part Number	ROM ID	
				Old	New
GV80 (JX1) 21MY	1100	Front Radar	99110-T6000	1.00	1.A0
				1.01	
GV80 (JX1) 22-23MY	1101		99110-T6100	1.02	1.02
				1.03	
G80 (RG3) 21MY	1102		99110-T1010 99110-T1020	1.00	1.A0
				1.01	
G80 (RG3) 22-23MY	1103	99110-T1110 99110-T1120	1.02	1.02	
			1.01		
G80 Electrified (RG3 EV)	1103	99110-JI000 99110-JI010	1.00	1.02	
			1.01		
GV70 (JK1) 22-23MY	1103	99110-AR000 99110-AR100	1.00	1.A0	
			1.01		
				1.02	

Service Procedure:

DIGITAL DOCUMENTATION

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

Ensure the vehicle's battery charge is **above 11.0 Volts** and the tablet's battery charge is **above 30%** before performing a software update to avoid the update from failing.

i Information

- Turn **OFF** all lamps (do **NOT** leave head lamp switch in auto mode) and all accessories.
- Perform update with the ignition switch in the **ON** position.
- Do **NOT** disconnect any cables connected to the vehicle or scan tool during update.
- Do **NOT** start the engine during update.
- Do **NOT** turn **OFF** the ignition switch during update.

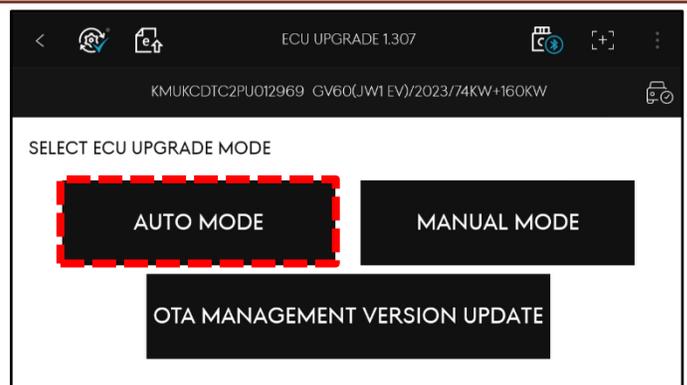
Automatic Update Procedure with GDS-Smart

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

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

i Information

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



2. Select the **Front Radar** 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

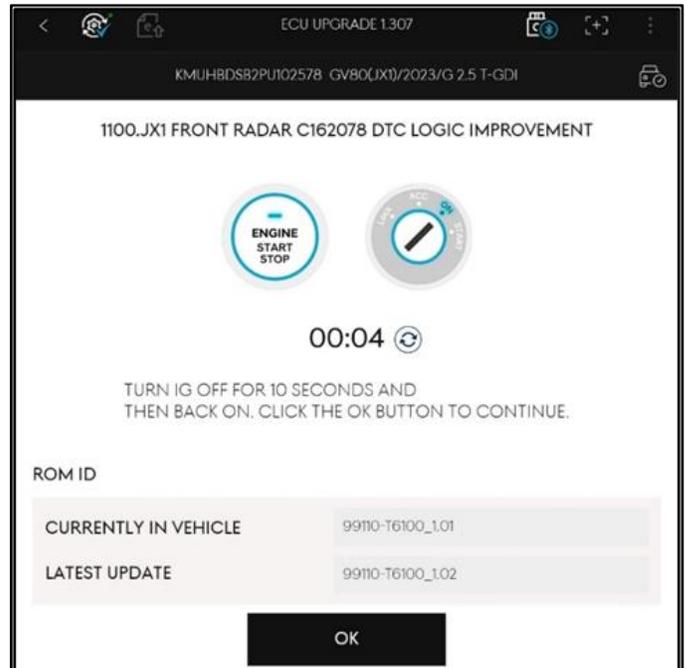
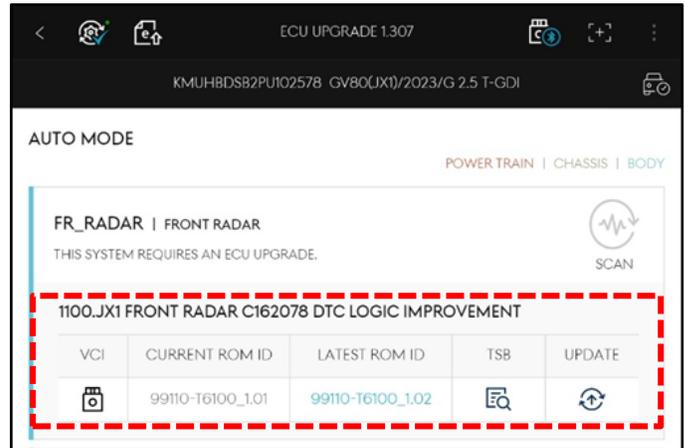
If the update fails, please remove the power connector or the battery (-) connector from the indoor fuse box for at least **5 seconds** and reassemble it to retry the update.

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.

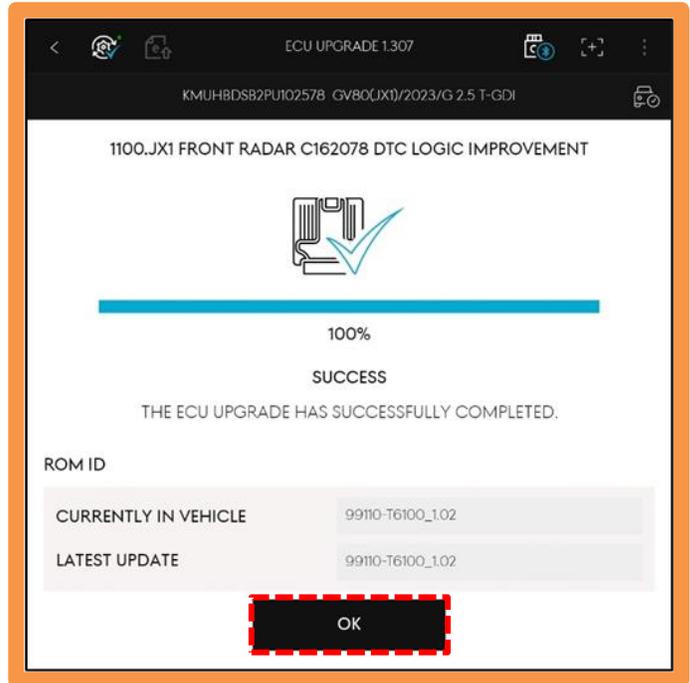


4.

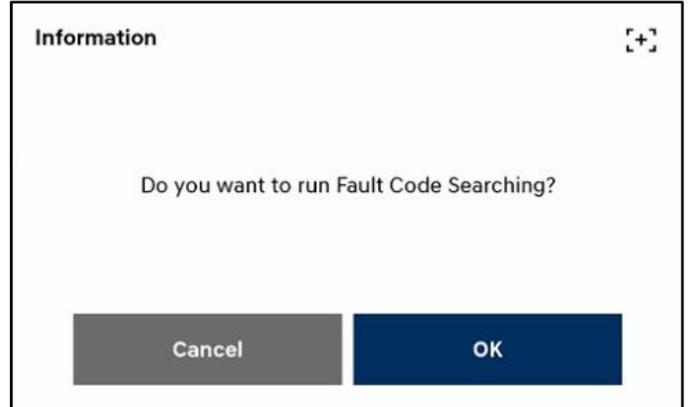
DIGITAL DOCUMENTATION



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



5. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.



6. Disconnect the power connector of the indoor fuse box, wait at least **5 seconds**, then reconnect it.

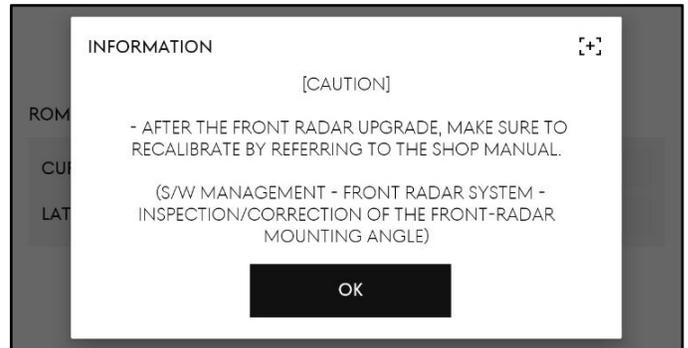
**Information**

Alternatively, disconnect the negative (-) **12V** battery terminal, wait **5 seconds**, then reconnect it.



7. Start the engine OR place in **Ready** mode to confirm proper operation of the vehicle.

8. Proceed to the **Front Radar Calibration** section on **page 7** to recalibrate the system.



NOTICE

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

Manual Mode Password:

Event	ECM Menu	Password
1100	JX1 FCA 99110-T6000	0119
	JX1 FCA 99110-T6100	0016
1101	RG3 FCA 99110-T1020	1010
	RG3 FCA 99110-T1120	1110
1102	RG3 EV FCA 99110-JI010	9110
1103	JK1 FCA 99110-AR100	0010

Front Radar Calibration***i* Information**

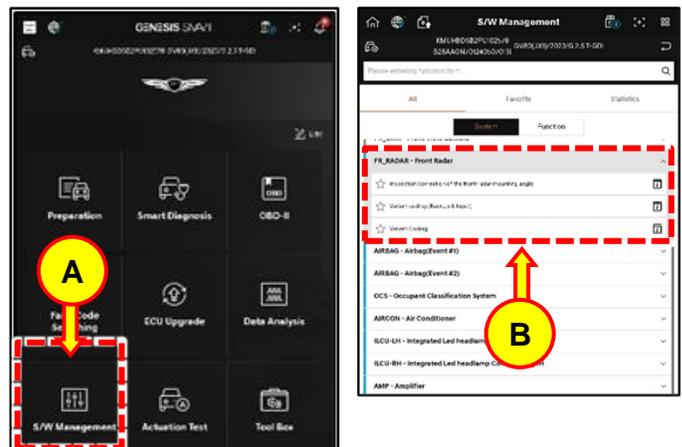
After the front radar software update, system recalibration **MUST** be performed.

Calibration **MUST** be performed in **Driving Mode (C2)**, **NOT** Stop Mode.

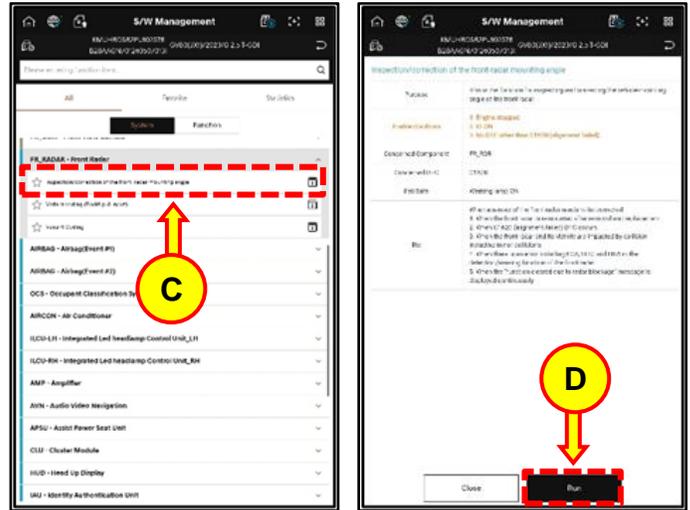
Refer to the shop manual:

- **Advanced Driver Assistance System (ADAS) > Front Radar System> Front Radar Unit > Repair procedures**

1. Select **S/W Management** (A) then select **Front Radar** (B).



2. Select **Inspection/correction of the front-radar mounting angle (C)** then **Run (D)**.



3. Review the correction procedure and preconditions before selecting **OK (E)**.

i Information

Calibration **MUST** be performed in **Driving Mode (C2)**.

Front bumper removal is **NOT** required as indicated on the preparation steps.

*** [Inspection/correction of the front-radar mounting angle]**

[Preparation for inspection/correction]

1. Check if the wheel alignment and the tire air pressure of the vehicle are normal.
2. Pay attention to vehicle suspension or deflection under cargo load.
3. Stop the vehicle without load at a flat location and align the tires in the straight-ahead direction.
4. Carry out this operation under normal condition after checking the front bumper for deformation, as well as the assembly condition, contamination, damages, deformation, etc. of the front radar cover.
5. Remove the front bumper.
6. Carry out this operation under normal condition after checking for deformation, damages, etc. of the mounting part of the front radar and the chassis (FEM, BIW, etc.).

= [Condition]

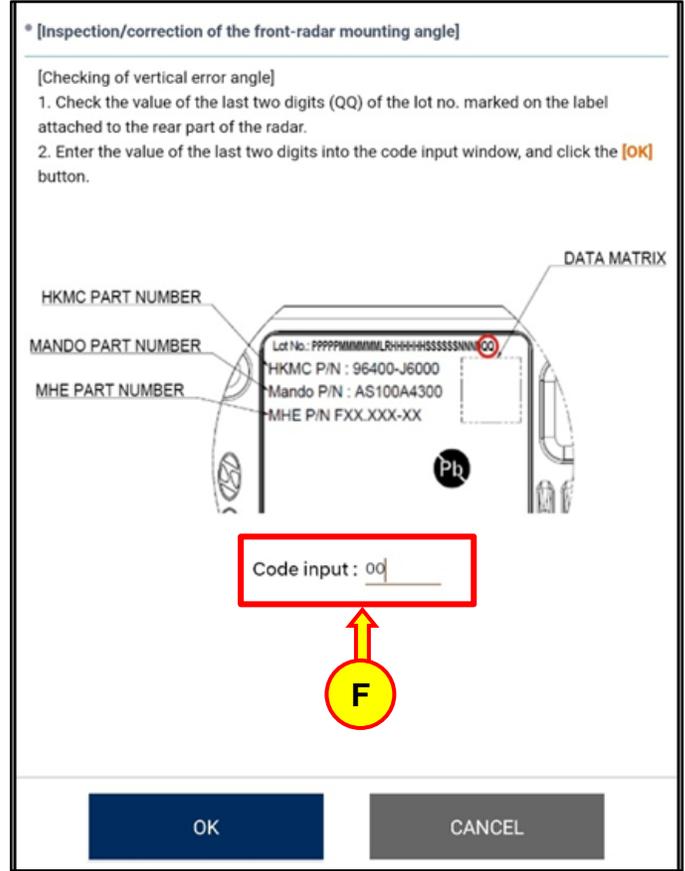
1. Engine stopped
2. IG ON
3. No DTC other than C1620 (alignment failed).

When you are ready, click the **[OK]** button.

E

OK CANCEL

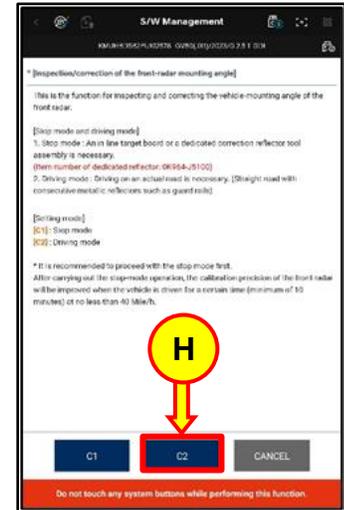
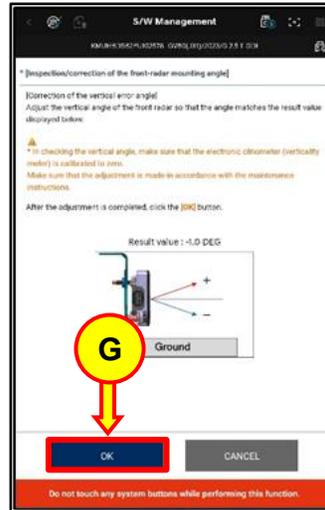
- 4. Input "00" (F) into the code input field.



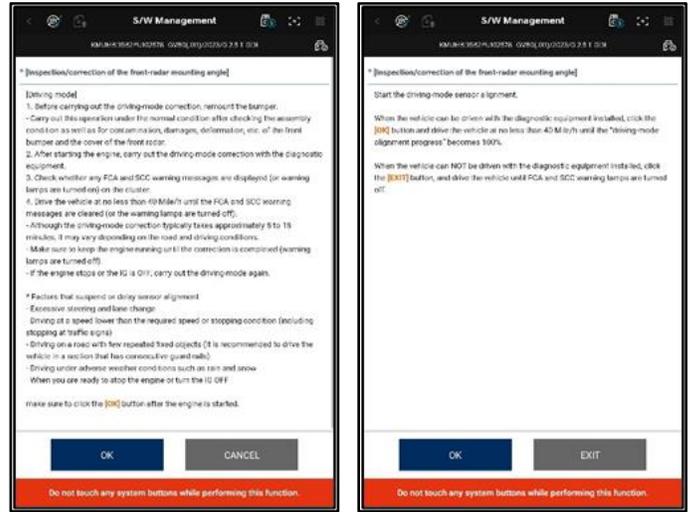
- 5. Select OK (G) then select C2 (H).

i Information

Calibration **MUST** be performed in **Driving Mode (C2)**.



6. Follow the preparation steps to perform the **Driving Mode (C2)** calibration.



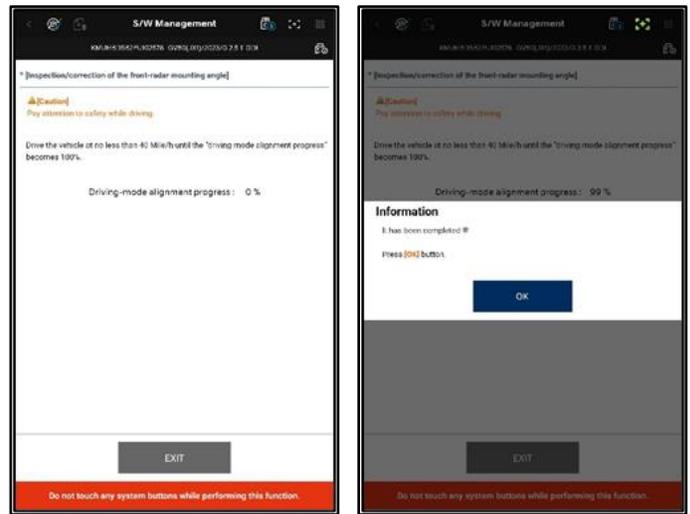
7. Calibration progress will be shown on the screen until it is successfully completed.

i Information

Vehicle needs to be driven more than **40 MPH** until the progress reaches **100%**.

i Information

The cluster will display Forward Safety & Master warning lights until the calibration is completed.



8. The repair procedure is now complete.