Technical Service Bulletin	GROUP **EV SYSTEMS**	NUMBER **24-EV-002G**
	DATE **MARCH 2024**	MODEL(S) **GV60 Electric (JW1 EV)** **G80 Electrified (RG3 EV)** **GV70 Electrified (JK1a EV)**

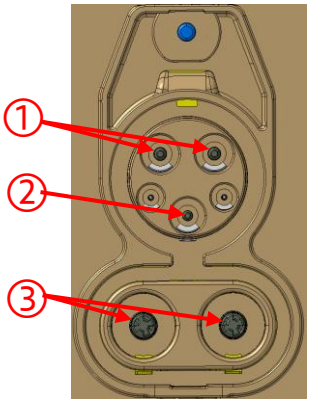
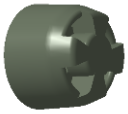
SUBJECT: INSPECTION/REPLACEMENT OF EV CHARGING PORT INSULATION CAP

Description: If you are servicing a vehicle with a missing or damaged insulation cap from the EV Charging Port follow the information in this TSB to replace any missing/damaged insulation cap(s) on certain 2023-24MY GV60 (JW1 EV), G80 Electrified (RG3 EV) and GV70 Electrified (JK1a EV) vehicles. The charging insulation caps are important to ensure proper charger connector orientation and fit to the vehicle charge port.

Applicable Vehicles:

- 2023-24MY GV60 (JW1 EV)
- 2023-24MY G80 Electrified (RG3 EV)
- 2023-24MY GV70 Electrified (JK1a EV)

Parts Information:

Model	Spec.	Part Name	Part Number	Figure	No.	Applied Position
GV60 (JW1 EV)	5-Pin	Insulation Cap – Inlet Terminal 5P Charge	91691-GI010		1	
G80 Electrified (RG3 EV)		Insulation Cap – Inlet Terminal 5P GND	91691-GI020		2	
GV70 Electrified (JK1a EV)		Insulation Cap – Inlet Terminal 5P DC	91691-GI030		3	

NOTICE

Genesis EV repairs can only be performed at Genesis EV Certified Retailers.

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

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature	Cause
GV60 (JW1 EV)	91690R00	Insulation Cap	As Per WebLTS	Refer to Parts Table Above	I11	ZZ3
G80 Electrified (RG3 EV)						
GV70 Electrified (JK1a EV)						

NOTE 1: Normal warranty applies.
NOTE 2: Submit claim on Claim Entry Screen as “Warranty” type.
NOTE 3: Refer to the latest Digital Documentation Policy for requirements regarding capturing the warrantable defect.
NOTE 4: The incident parts are subject to callback through the normal Warranty Technical Center (WTC) parts return process. Claim is subject to debit if the part is not returned.
NOTE 5: 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.

Service Procedure:

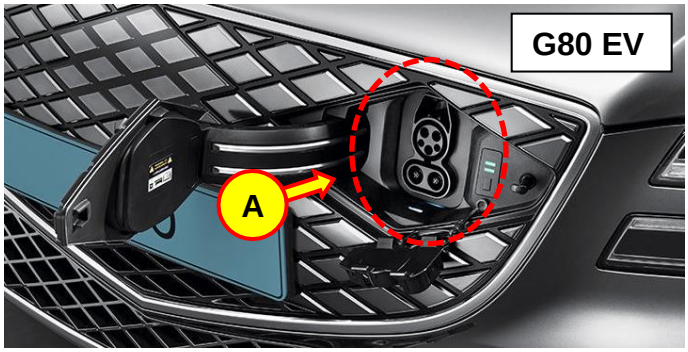
STUI

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

WARNING

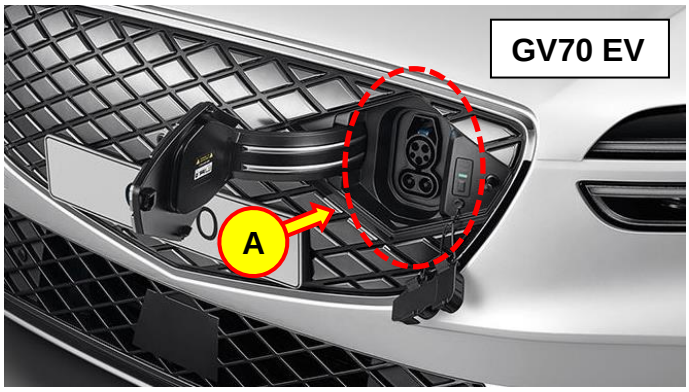
Verify that vehicle IGN is OFF before attempting repairs.

1. Open the charging port (A).



Information

On G80 and GV70 electrified vehicles the charge port is located on the front mesh grille as shown to the right.



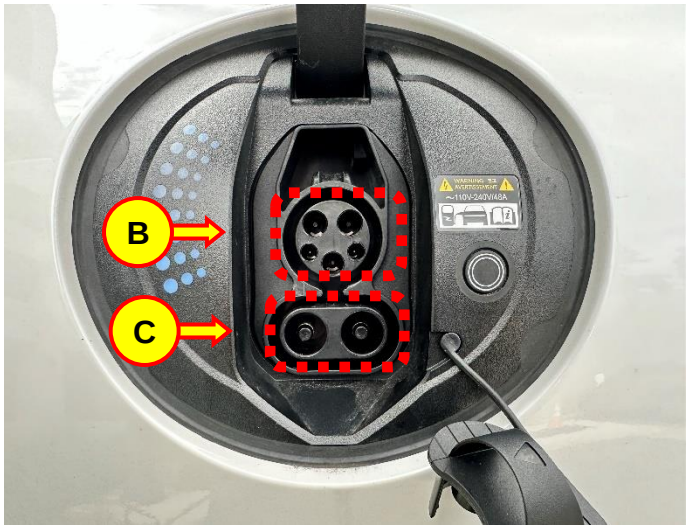
2. **Charging Port Inspection for Abnormal Condition**:

Inspect both charging areas:

- AC charging terminals (B)
- Quick (DC) charging terminal (C).

a) Check for any missing, damaged or significantly deteriorated insulation caps.

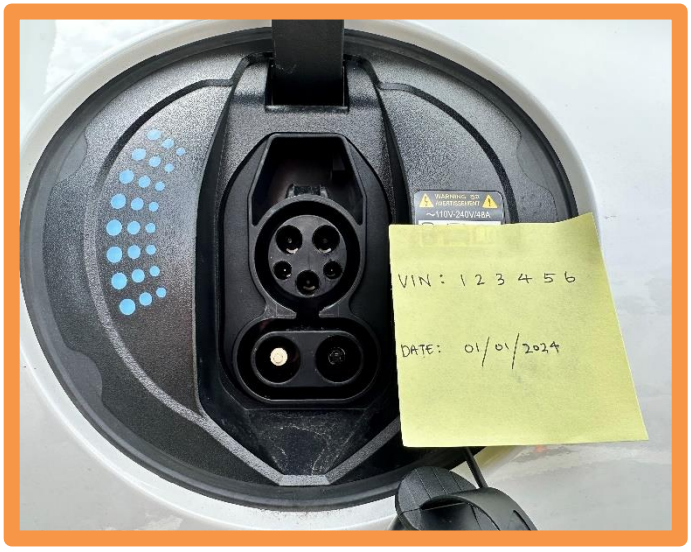
b) Check for any foreign matter found inside the port.



STUI

Using STUI, take a photo of the charge port clearly showing the abnormal condition and a piece of paper with the last 6 digits of the VIN and date of the repair.

Upload the photo to STUI.

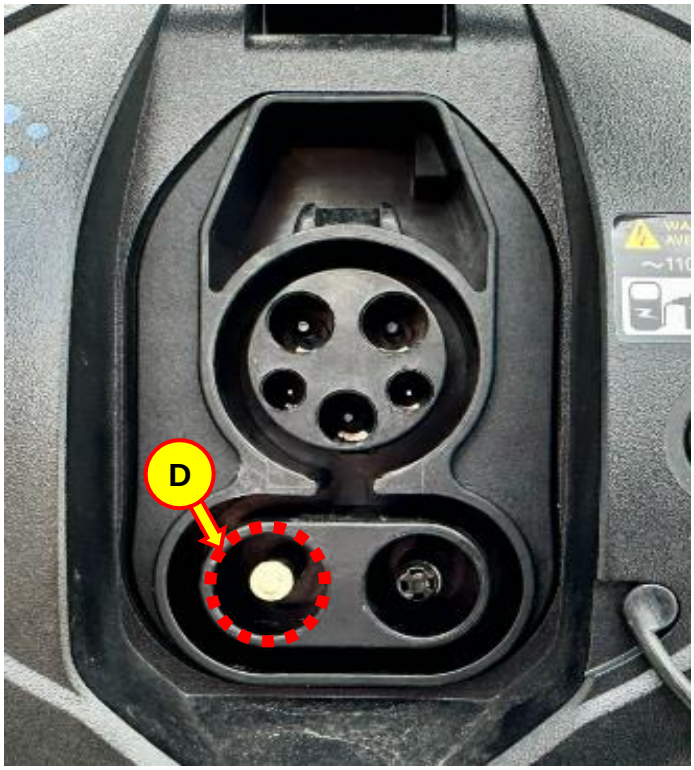


3. **When foreign material is observed inside the port**:

- Blow out any foreign material with shop air.
- When it is necessary to assist in removing any stubborn dirt that can't be removed by air, spray in a common electrical contact cleaner. Blow out after with shop air again.

4. **Missing/Removing and Replacing an Insulation Cap:**

- Remove the insulation cap if it is damaged, and/or significantly deterioriated.
- Use needle nose pliers and gently grab and pull outwards to remove the cap.

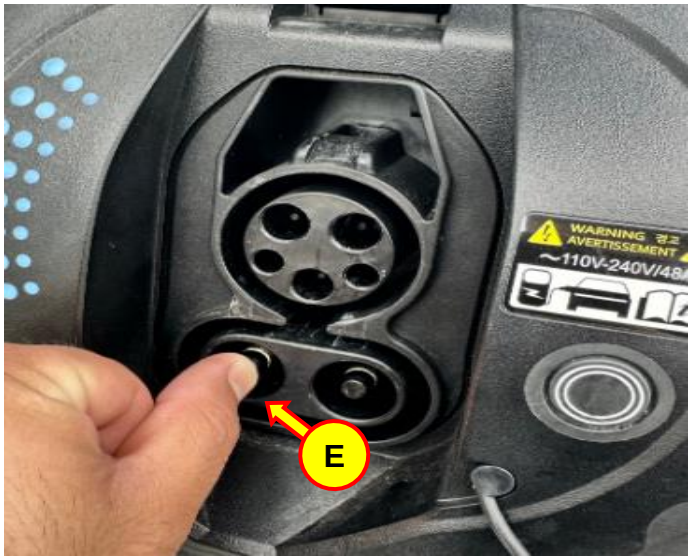


Information

The photo shown at the right is an example of a DC charging insulation cap missing/removed at the left terminal (D).

The remaining steps show how to replace a missing DC charging cap of this example. Replacing an AC charging insulation cap would be similar.

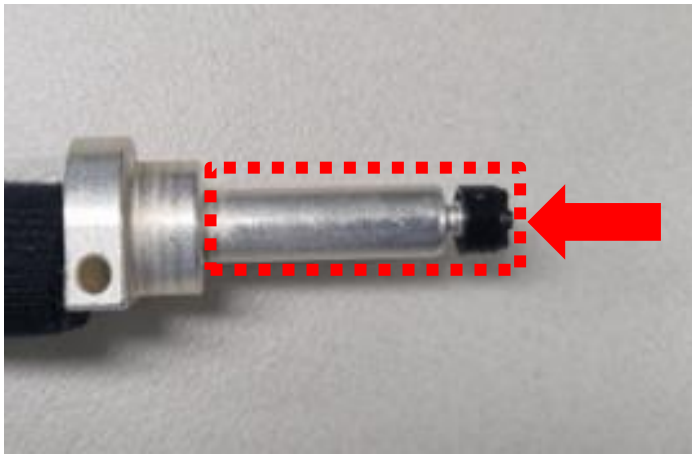
5. Temporarily mount the replacement insulation cap (E) on the DC terminal by pressing in firmly by hand.



Information

In example at right, insulation cap is in temporarily mounted position.

The DC terminal is shown removed for demonstration purposes only.



6. To fully mount the insulation cap, press firmly against the cap with a rod or similar object with a flat tip.

> **Information**
>
> Example shown using the back of a screwdriver.

7. Service Procedure is complete.