



## Technical Service Bulletin

<b>GROUP</b>	<b>NUMBER</b>
EV SYSTEMS	24-EV-003G
<b>DATE</b>	<b>MODEL(S)</b>
MARCH 2024	SEE BELOW

<b>SUBJECT:</b>	ELECTRIC OIL PUMP (EOP) INSPECTION
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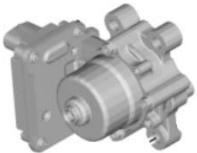
**Description:** Certain 2023-2024MY G80 Electrified (RG3 EV), 2023-2024MY GV60 (JW1 EV), and 2023-2024MY GV70 Electrified (JK1a EV) may have a condition of the power down warning light (turtle symbol) with "Power is limited" displayed in the cluster, and possible DTC P0A2F. If you are servicing a vehicle with either of these conditions, follow this bulletin to inspect the EOP.



### Applicable Vehicles:

- 2023-2024MY G80 Electrified (RG3 EV)
- 2023-2024MY GV60 (JW1 EV)
- 2023-2024MY GV70 Electrified (JK1a EV)

### Parts Information:

Model	Part Name	Part Number	Figure
G80 Electrified (RG3 EV) GV60 (JW1 EV) GV70 Electrified (JK1a EV)	EOP Assembly	46120-18100	

**Warranty Information:** Normal Warranty applies. Claim for GDS diagnosis and EOP replacement applicable to the vehicle's model in WebLTS, as necessary.

**NOTE:** If the EOP is out of warranty and requires replacement, submit a Prior Approval request for goodwill consideration prior to performing the work.

### NOTICE

Genesis EV repairs can only be performed by EV certified Genesis retailers.

**Service Procedure:**

1. Inspect for DTCs.

Is DTC P0A2F00 present (current or history)?

- **YES:** Go to step 3.
- **NO:** Go to step 2.

2. Does the power down warning light (turtle symbol) come on with no DTC?

- **YES:** Go to step 3.
- **NO:** Refer to shop manual for further diagnosis.

3. Check the EOP operation using GDS following the steps below.

4. Start the vehicle, and select the following parameters in “MCU Sensor Data Diagnosis”:

- Traction motor temperature
- EOP speed command
- EOP speed
- EOP error data 2

5. Drive the vehicle to warm up the traction motor.

**i Information**

The traction motor must be warmed up to generate an EOP speed command and perform the inspection properly.

6. Drive the vehicle with repeated rapid acceleration and deceleration. Check the EOP speed on GDS while driving.

- If EOP speed remains at 0 (A), but EOP speed command is present (B), then the EOP is not functioning properly. Replace the EOP.
- If EOP speed looks normal (above 0), then the EOP does not need replacing. Refer to shop manual for further diagnosis.

7. Service procedure is now complete.

