



Technical Service Bulletin

GROUP	NUMBER
BODY ELECTRICAL	24-BE-020G
DATE	MODEL(S)
DECEMBER 2024	GV70 (JK1A)


SUBJECT: ACTIVE AIR FLAP ON-BOARD DIAGNOSTIC SENSORS REPLACEMENT

Description: Certain 2025MY GV70 (JK1A) vehicles may experience an illuminated check engine light for DTC P059A from a faulty connection due to improper soldering within the sensor components. This bulletin outlines the procedure to replace the active air flap (AAF) on-board diagnostic (OBD) sensors to resolve this issue.

Applicable Vehicles:

- 2025MY GV70 (JK1A) produced from 05/06/2024 –11/05/2024 (VINs starting with 5NM)

Parts Information:

Model	Part Name	Part Number	Figure	Remarks
GV70 (JK1A)	Active Air Flap Sensor	86970-T1000QQH		Qty: 4

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
GV70 (JK1A)	40DA20R0	AAF OBD Sensor Replacement	1.1 M/H	86970-T1000	W17	ZZ3

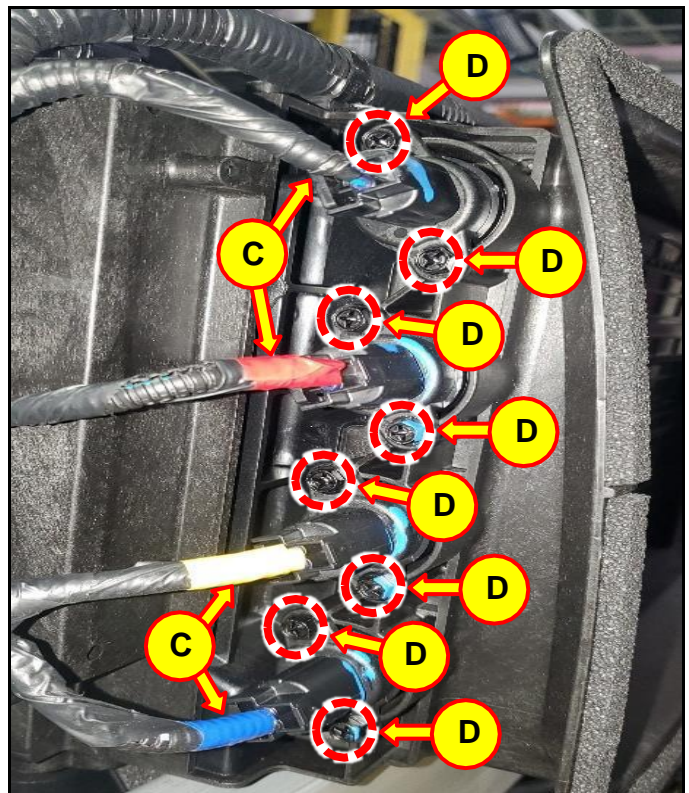
- NOTE 1:** Submit claim on Claim Entry Screen as “Campaign” type.
- NOTE 2:** This TSB includes Repair validation photos. Op times include VIN, Mileage, and Repair validation photo(s) as outlined in the Digital Documentation Policy.
- NOTE 3:** The incident parts are subject to callback through the normal Warranty Technical Center (WTC) parts return process. **Claim is subject to debit if the part is not returned.**
- NOTE 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:** TSB operation time includes removal and reinstallation of the front bumper cover assembly. It does not include the swapping of parts to a replacement bumper cover, therefore, the LTS of Front Bumper Cover Remove & "Replace" does not apply.

Service Procedure:

STUI

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

1. Turn **OFF** the ignition.
2. Disconnect the negative (-) battery terminal (A) by referring to the shop manual:
 - **G 2.5 T-GDI THETA III >Body (Interior/Exterior) > Front Bumper > Front Bumper Assembly > Replacement**
3. Locate 4 AFF OBD sensors (B) on the FEM module.
4. Remove the wire connections (C) and 2 screws (D) from each AAF OBD sensor, shown in the red circles.



5.

STUI

Using STUI, take a photo of the new and old sensors with the last 6 digits of the VIN and the date of repair on a piece of paper.

Upload the photo to STUI.



6. Install the new AAF sensors with mounting screws and reconnect the connectors.
7. Reinstall all components in reverse order.
8. Reconnect the negative (-) battery terminal.
9. Perform an **All Systems Fault Code** search and erase any DTC history that had incidentally occurred.

