



Technical Service Bulletin

GROUP

CAMPAIGN

NUMBER

23-01-075H

DATE

SEPTEMBER 2023

MODEL(S)

IONIQ 5 (NE1)

SUBJECT:

ACTIVE AIR FLAP (AAF) ACTUATOR REPLACEMENT
(SERVICE CAMPAIGN TAI)

Description: This bulletin provides information on replacement of the Active Air Flap (AAF) actuator on 2022MY Ioniq 5 (NE1) vehicles that may exhibit AAF warning signs and DTC U028400 while driving. The AAF may not open or close when the DTC U028400 is active due to unstable power supply to the actuator. Follow the procedure in this bulletin to replace the AAF actuator and erase the DTC code.



NOTICE

This service campaign for IONIQ 5 (NE1) can only be performed by IONIQ certified Hyundai dealerships.

Applicable Vehicles: Certain 2022MY IONIQ 5 (NE1) vehicles produced from 04/14/22 – 05/27/22.

Parts Information:

Model	Part Name	Part Number		Figure	Remarks
		Previous	New		
Ioniq 5 (NE1)	Active Air Flap (AAF) Actuator	86989-GI000	86989-GI000 QQH		LH
		86999-GI000	86999-GI000 QQH		RH

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

SUBJECT: ACTIVE AIR FLAP (AAF) ACTUATOR REPLACEMENT (SERVICE CAMPAIGN TAI)

Warranty Information:

Model	Op. Code	Operation	Op. Time	Casual Part	Nature Code	Cause Code
IONIQ 5 (NE1)	30D045R0	Active Air Flap (AAF) Actuator Replacement (both sides)	0.7 M/H	86989-GI000QQH	I14	ZZ3

NOTE 1: Submit claim on Claim Entry Screen as “Campaign” type.

NOTE 2: If a part is found in need of replacement while performing this campaign 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 3: This TSB includes Repair validation photos. Op times include VIN, Mileage and Repair validation photos as outlined in the Digital Documentation Policy.

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.**

Service Procedure:

STUI



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



Information

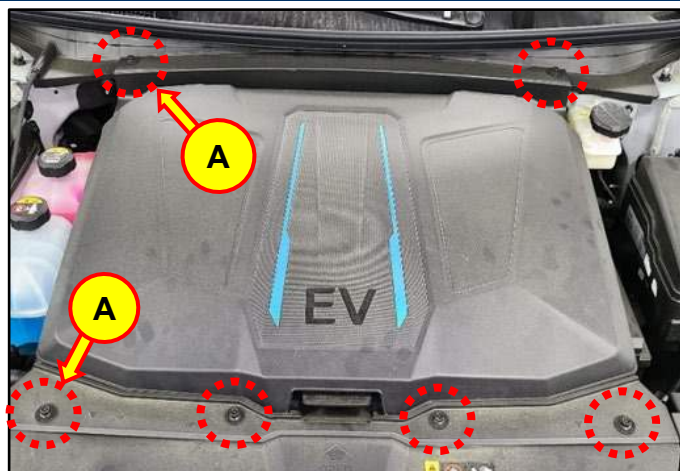
The procedure below is showing the RH side. Use the same procedure on the LH side.

Active Air Flap (AAF) Actuator Replacement

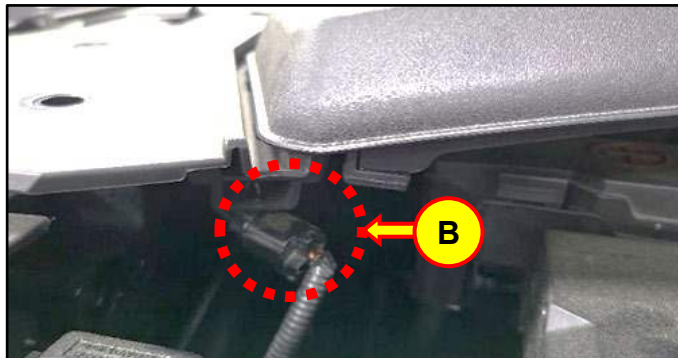
1. Disconnect the negative (–) battery terminal.
2. Loosen the mounting bolts and remove the front trunk (A).

Tightening Torque:

lb-ft	6.9
lb-in	83
N.m	9.3



3. Remove the front trunk connector (B).



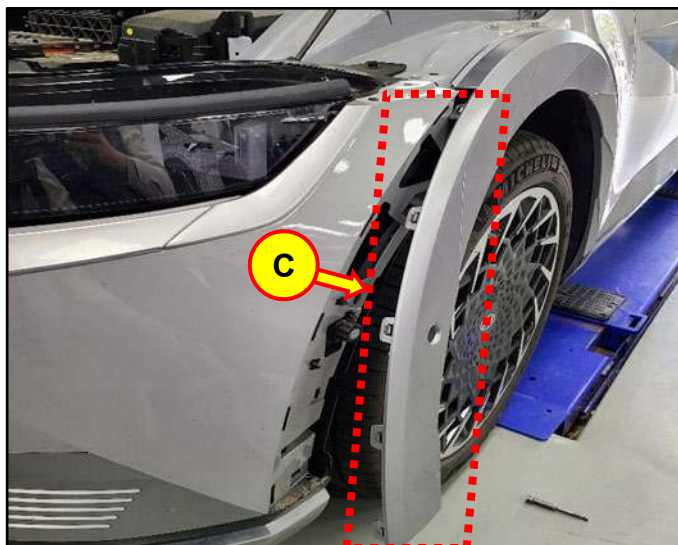
4. Partially remove the fender garnish (C) using a screwdriver or a removal tool.

NOTICE

To prevent damaging trim and other parts use a plastic tool or screwdriver wrapped with tape.

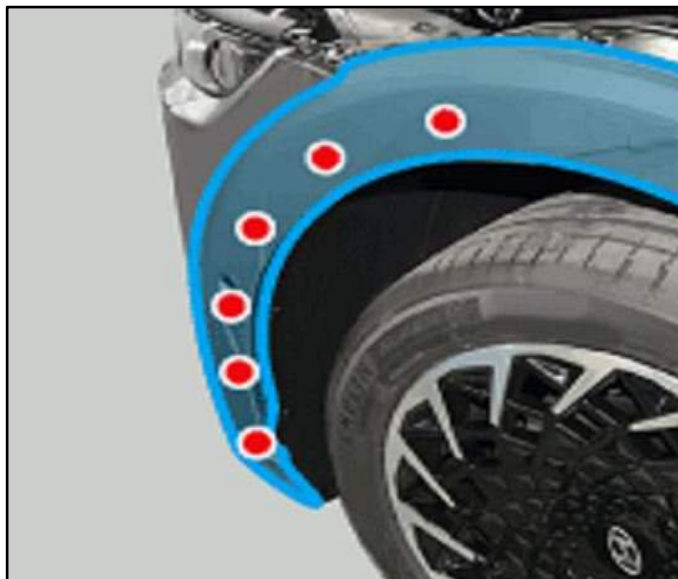
CAUTION

Gloves are highly recommended to prevent injury to hands.



NOTICE

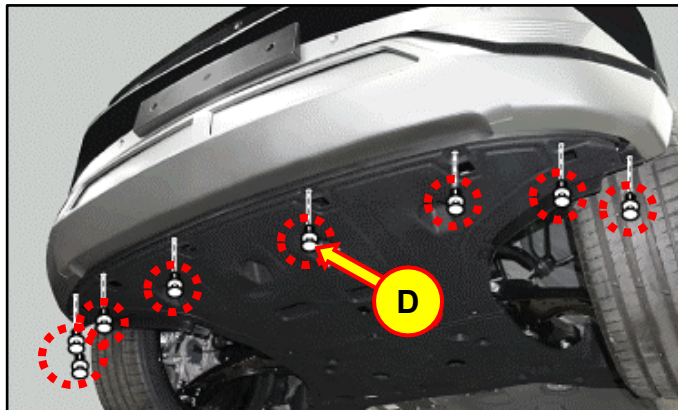
If any clips are damaged during removal, replace them during reassembly.



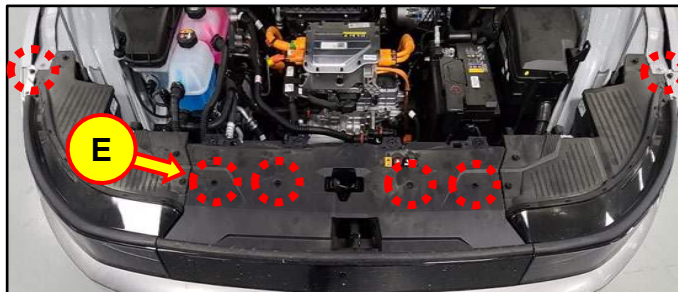
5. Remove the mounting clips (D) at the bottom of the front bumper.

NOTICE

Do **NOT** damage the front bumper covers and panels.



6. Remove the mounting bolts (E) on the top of the front bumper.



7. Loosen the mounting screws (F) and the clips (G) on the side of the front bumper to separate the side.

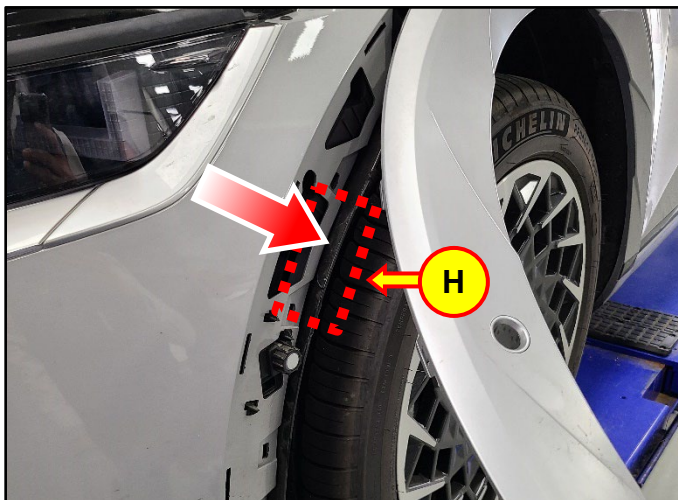
NOTICE

Do **NOT** damage the front bumper side hook.



Information

Press down the side hook (H) to disconnect the side.



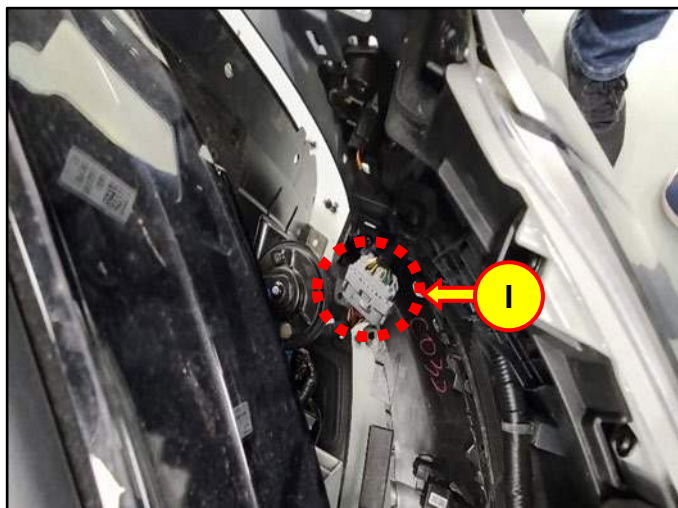
8. Remove the front bumper assembly.

NOTICE

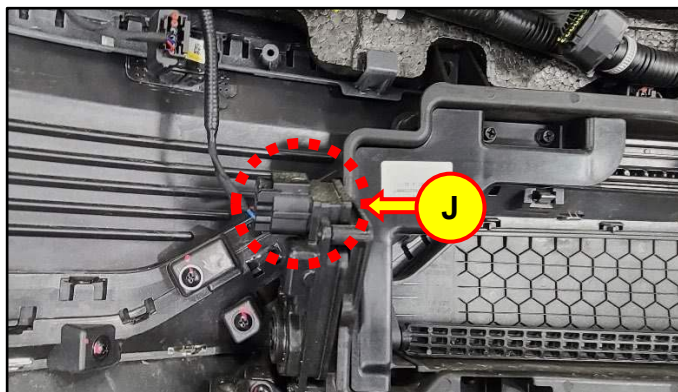
Do **NOT** damage the front bumper covers and panels.



9. Disconnect the front bumper main connector (I).



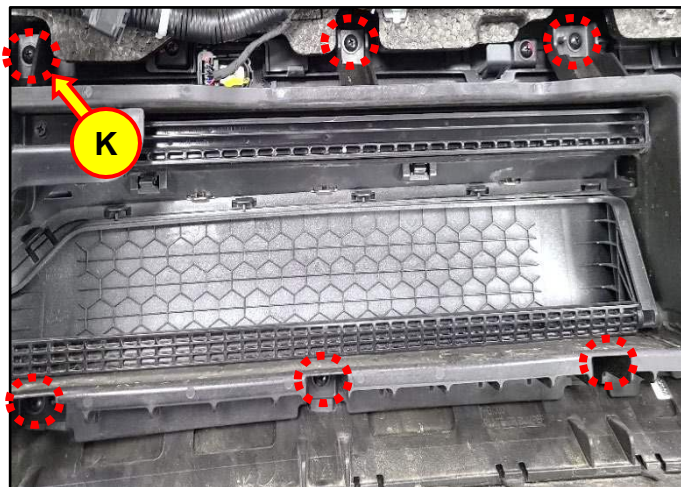
10. Disconnect the AAF control unit connector (J).



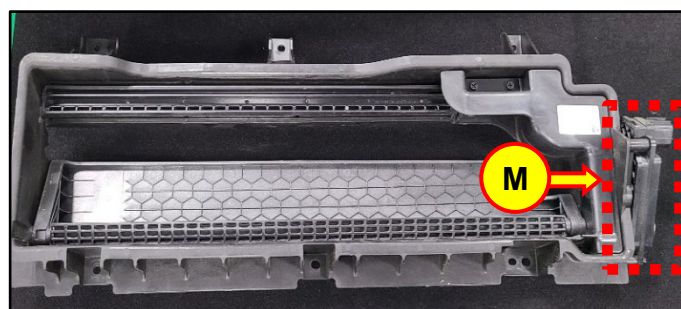
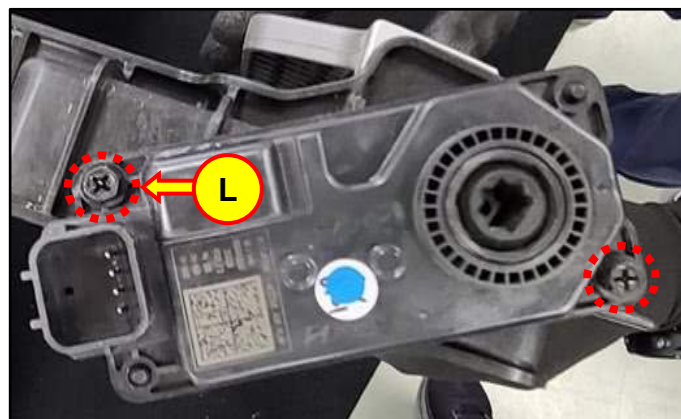
11. Loosen the screws (K) and remove the AAF.

Tightening Torque:

lb-ft	6.5
lb-in	78
N.m	8.8



12. Loosen the screws (L) and remove the AAF actuator (M).



13.

STUI



Using STUI, take a photo of the new active air flap actuator that will be installed with the last 6 digits of the VIN and the date of repair on a piece of paper.

Upload the photo to STUI.



14. Install the supplied AAF actuator.



Information

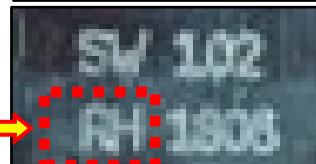
Verify the correct part (RH/LH) for each side prior to installing.



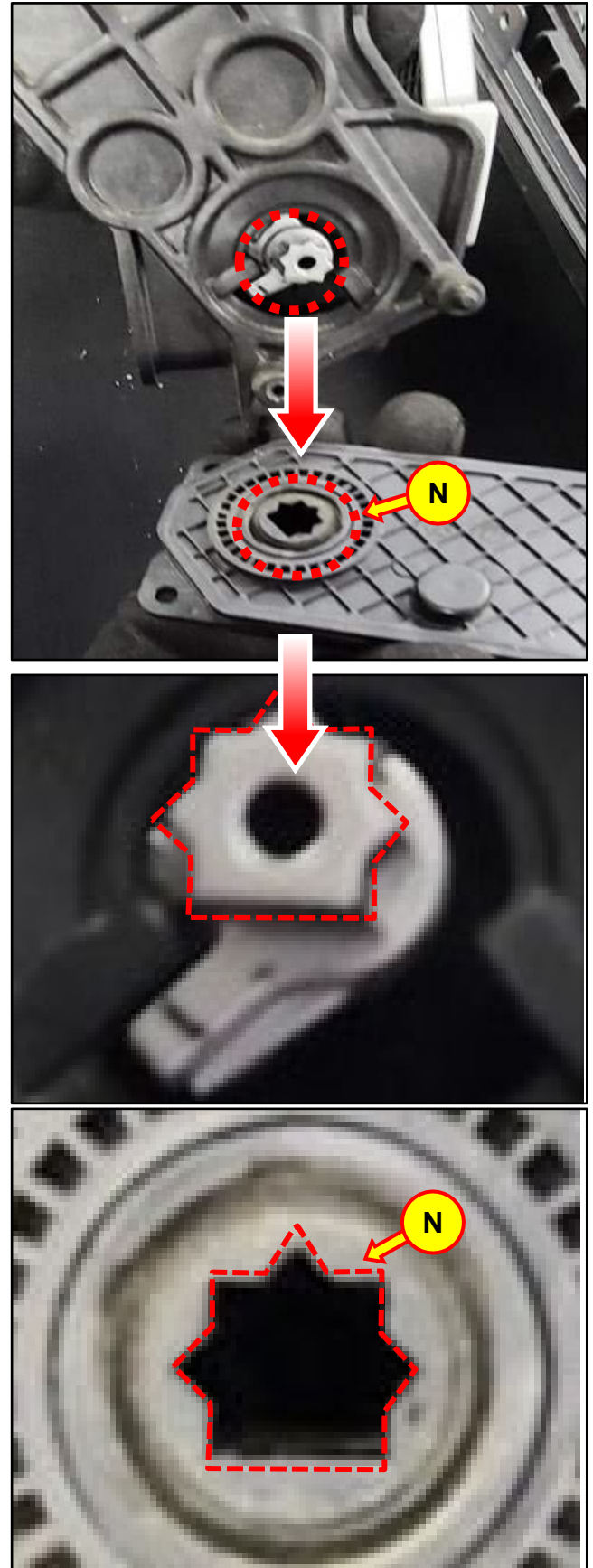
LH part



RH part



15. Align the star-shaped protrusion into the matching hole (N) in the AAF actuator.



16. Reinstall all components in the reverse order of disassembly, and reconnect negative (–) battery terminal.

i Information

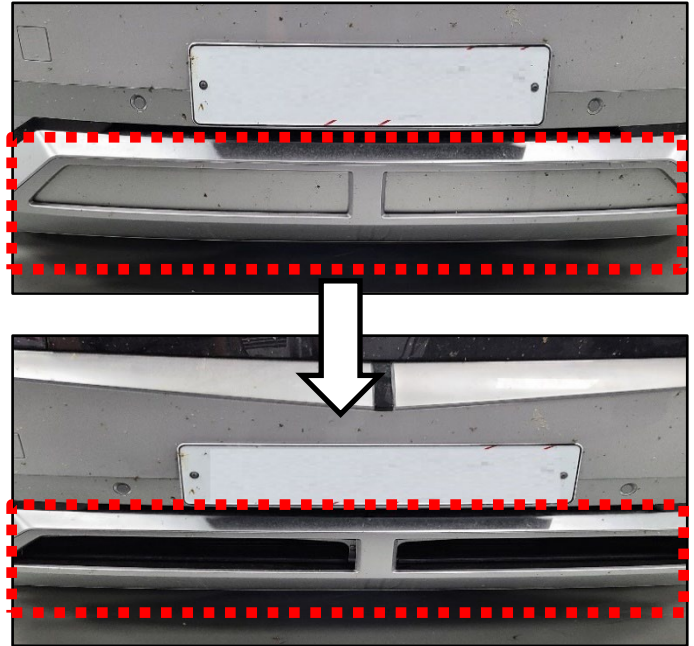
Be sure to install all connectors securely.

17. Verify normal initialization and proper operation of the AAF system after the ignition has been turned ON.

i Information

AAF system should be closed after two sessions of closing / opening.

Wait 3 minutes after ignition is turned OFF. AAF should be closed (“sleep” mode).



18. Check for and clear any failure codes (current or past). Verify that DTC U028400 does not return.
19. The service procedure is now complete.