



# HYUNDAI

## Technical Service Bulletin

GROUP <b>HVAC</b>	NUMBER <b>25-HA-001H</b>
DATE <b>MARCH 2025</b>	MODEL(S) <b>ELANTRA (CN7, CN7A)</b>

**SUBJECT:** VENTILATOR LEVER INSPECTION & REPLACEMENT

**Description:** Certain Elantra (CN7 and CN7A) vehicles may experience the following conditions:



- Lack of airflow coming from the forward-facing center vents
- Mode actuator not changing airflow direction after various inputs
- Popping/snap noise when switching between different modes

If any of the conditions above exist, follow the repair procedure in this bulletin to replace the ventilator lever.

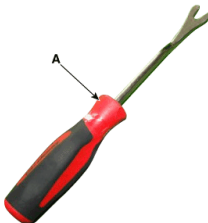
**Applicable Vehicles:**

- 2021–2024MY Elantra (CN7) produced 12/24/2020 – 11/28/2023 (VIN starts with 'KMH')
- 2021–2023MY Elantra (CN7A) produced 09/25/2020 – 05/25/2023 (VIN starts with '5NP')

**Parts Information:**

Model	Part Name	Part Number	Figure	Remarks
Elantra (CN7, CN7A)	Ventilator Lever	97153-AA000		QTY: 1
	Steering Wheel Lock-Bolt	56115-B1000		QTY: 1
	A-Pillar Clip	85815-C1100		QTY: 2
	Trim Fastener	82315-2P000		Replace only if broken or damaged
	Trim Clip - MTG	84747-3Y000		

**Required Equipment/Supplies:**

Name	Figure	Remarks
Panel/Trim Remover		Standard shop equipment

**NOTE:** This fastener or similar tool must be used for removing the front pillar trim.

**Warranty Information:**

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Elantra (CN7, CN7A)	97153F00	Ventilator Lever Replacement	2.8 M/H	Refer to WEBLTS for applicable part to labor op code combination	A32	ZZ4

**NOTE 1:** Normal warranty applies.

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

**NOTE 3:** Take a picture of the warrantable defect. Op times include VIN, Mileage, and Repair validation photo(s) 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.**

**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:**

**DIGITAL DOCUMENTATION**



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

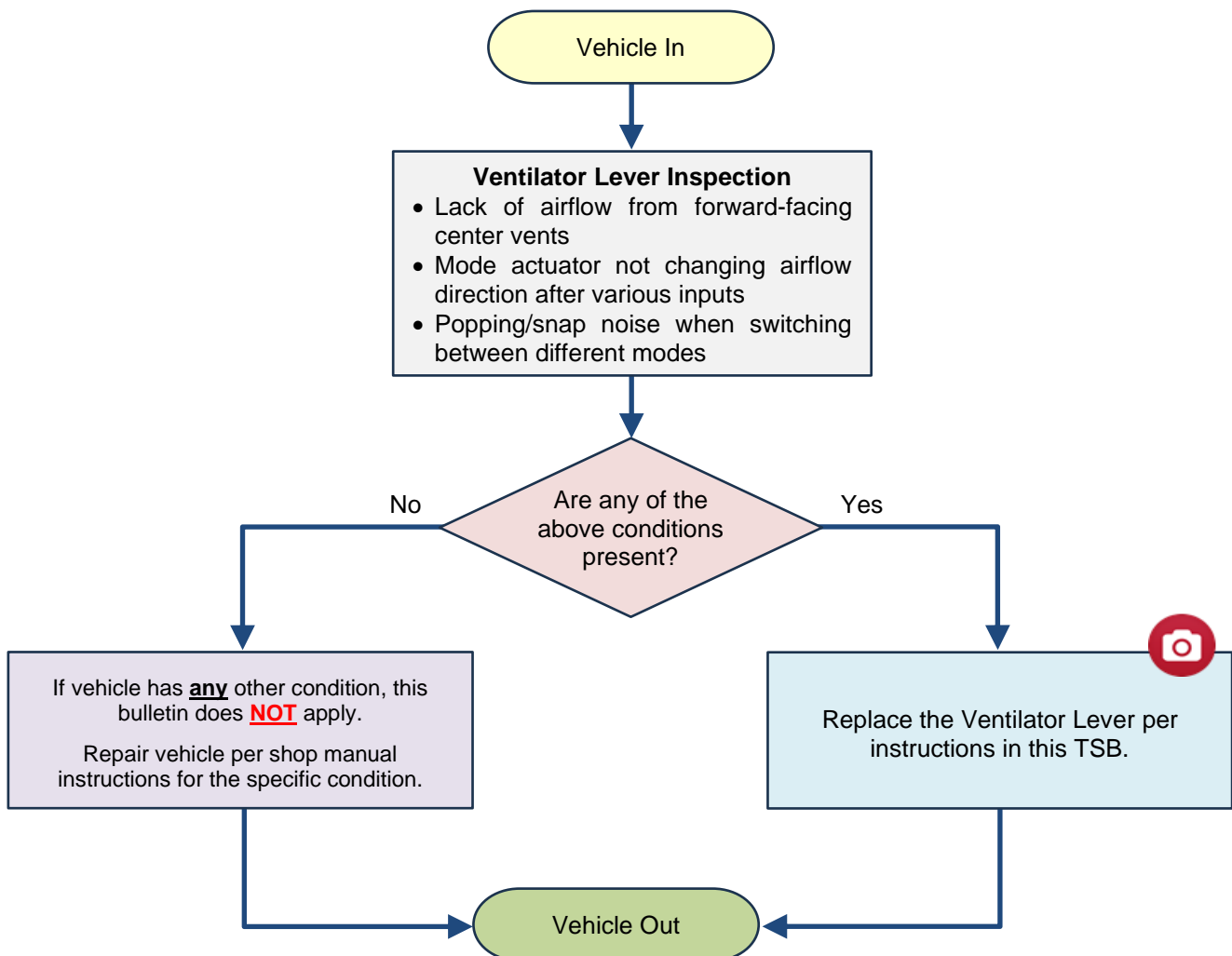
**CAUTION**

Wear gloves to prevent hand injuries when removing parts.

**NOTICE**

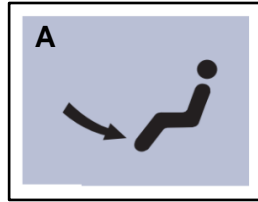
- Use a plastic trim removal tool to prevent damage to interior trim when removing components.
- Replace any damaged clips or pin-type retainers.

**Service Procedure Flowchart**

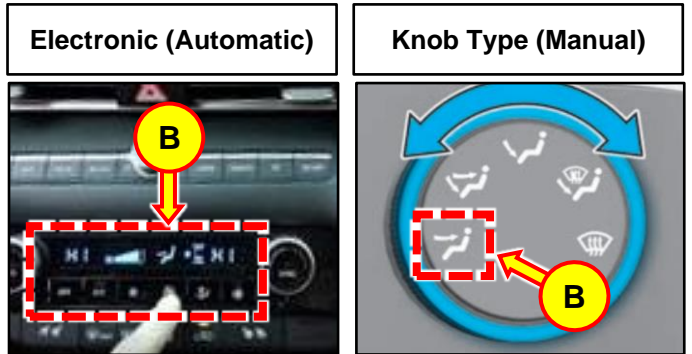
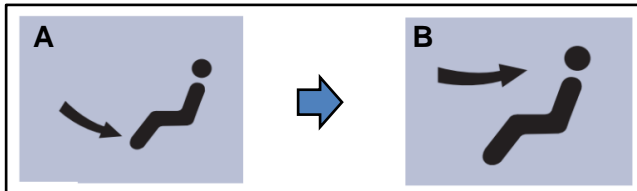


Ventilator Lever Inspection

1. Turn **ON** the A/C or heater.
2. Set the airflow to **floor mode (A)** only.



3. Change the mode actuator to the **forward-facing vent mode (B)** and verify if airflow is coming from the center vents.



- If there is airflow out of the center vents, but other concerns are present, this TSB does **NOT** apply. Diagnose and repair per the shop manual.
- If **NO** airflow is present from the forward-facing center vents, or a popping/snap noise is heard when switching modes, replace the ventilator lever.

Proceed to **Ventilator Lever Replacement**.

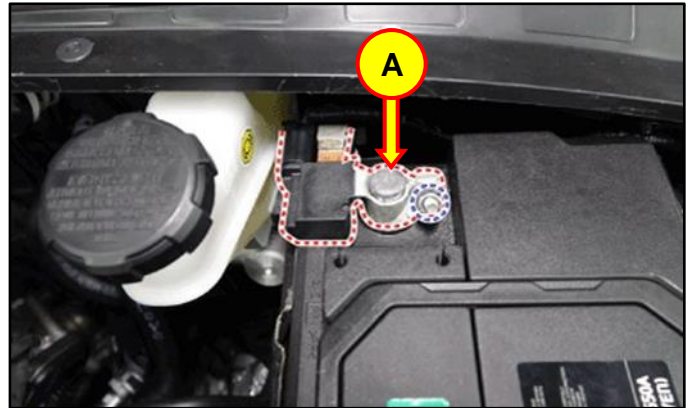


Ventilator Lever Replacement

1. Record customer's audio presets, then disconnect the negative (-) battery terminal (A).

**Tightening Torque:**

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

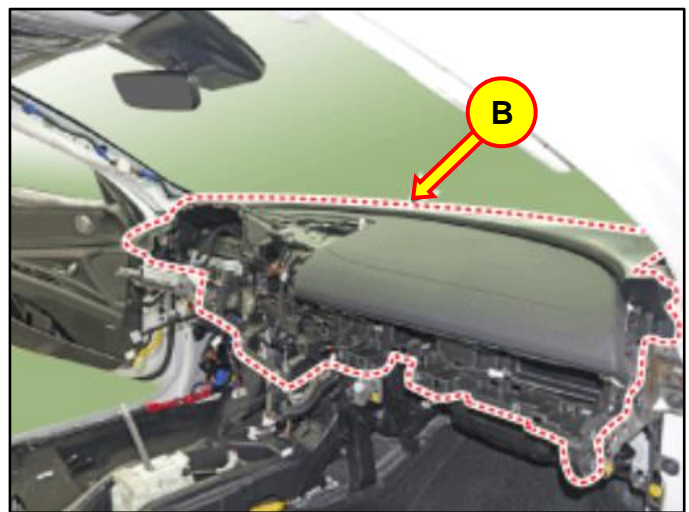


2. Remove the main crash pad assembly (B) by referring to the shop manual:

- **Body (Interior and Exterior) > Crash Pad > Main Crash Pad Assembly > Repair procedures**

**Main Crash Pad Assembly Tightening Torque:**

lb-ft	16
N.m	21



**NOTICE**

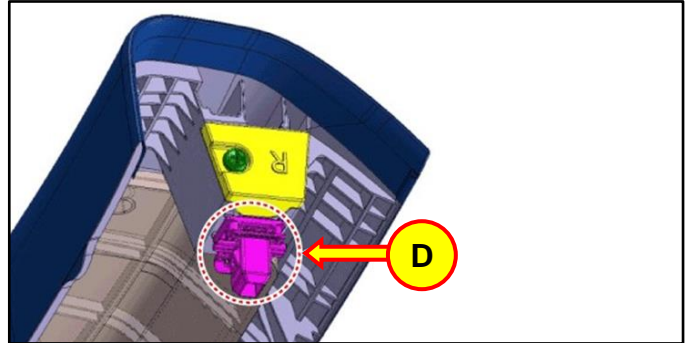
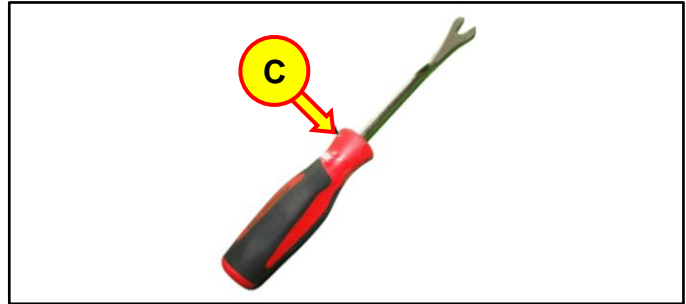
Follow all instructions and torque specifications closely.

**NOTICE**

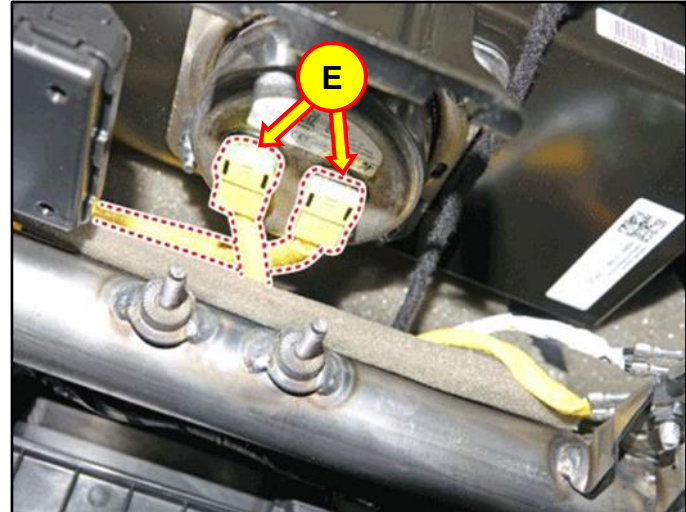
Use a trim removal tool, such as the one shown (C), to prevent damage to internal trim and components.

**NOTICE**

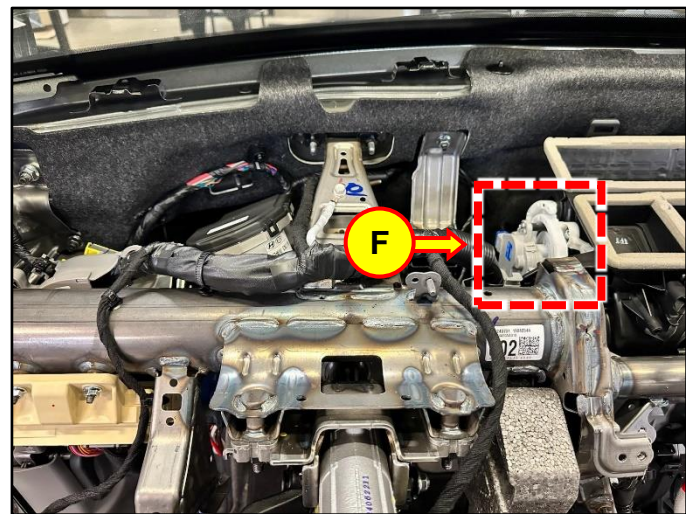
Be sure to replace the existing clips (D) with new ones when removing or replacing the front pillar trim (P/N: **85815-C1100, 82315-2P000**).



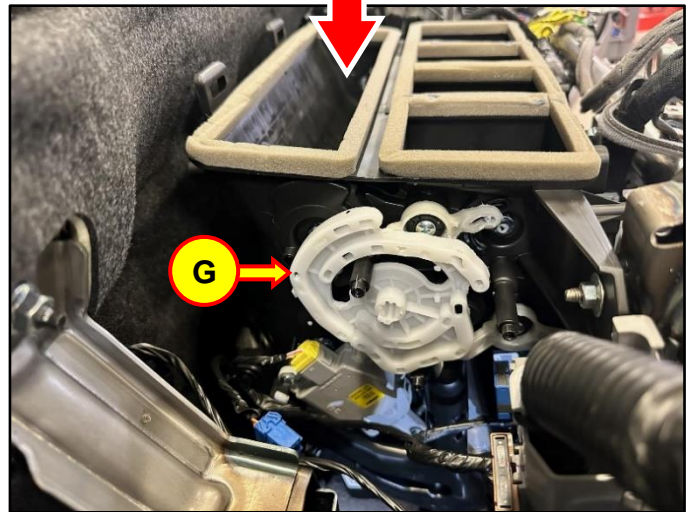
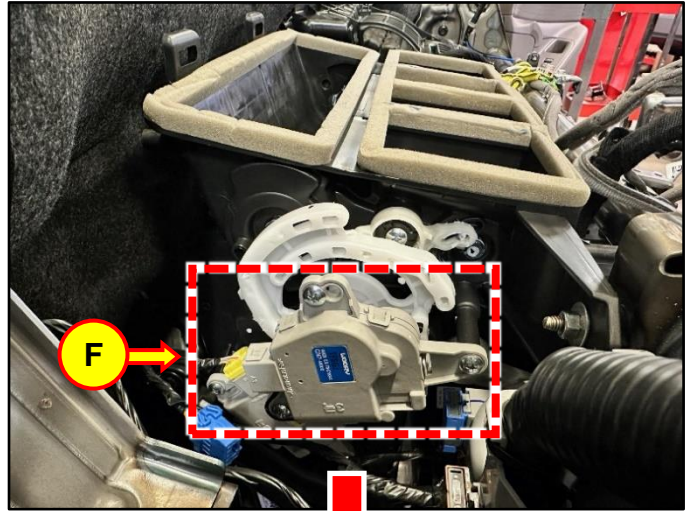
3. Press the lock pin and disconnect the passenger's airbag (PAB) connectors (E).



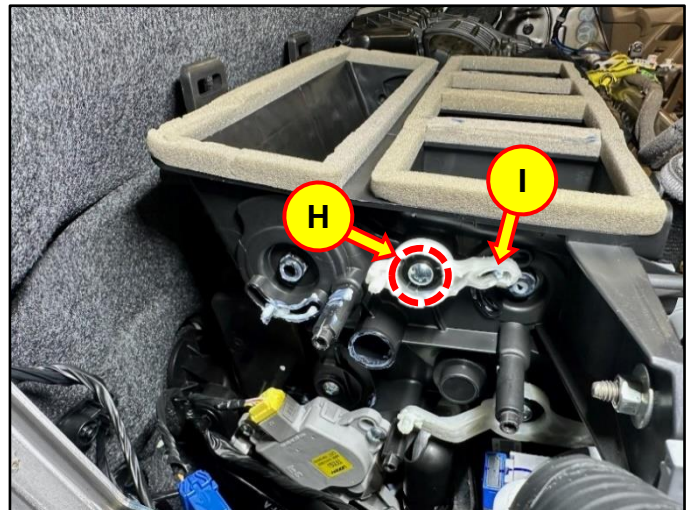
4. Remove the main crash pad assembly and locate the mode actuator (F) on the driver's side.



5. Remove the fasteners and remove the mode door actuator (F) and cam mode guide (G).



6. Remove the ventilator lever screw (H) and remove the ventilator lever arm (I).



- Remove the screw and washer (J) from the old ventilator lever and place it onto the new part and reinstall the new ventilator lever onto the HVAC box.



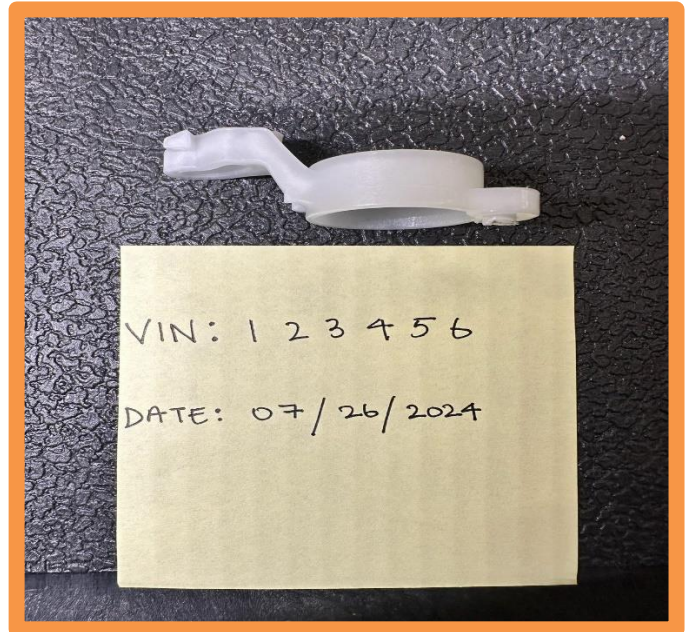
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DIGITAL  
DOCUMENTATION



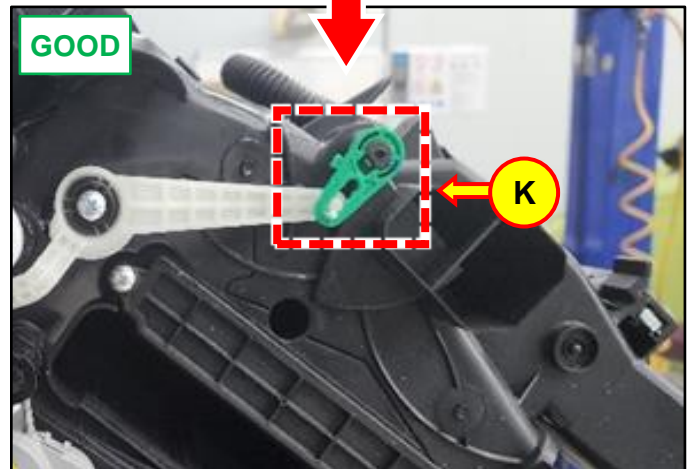
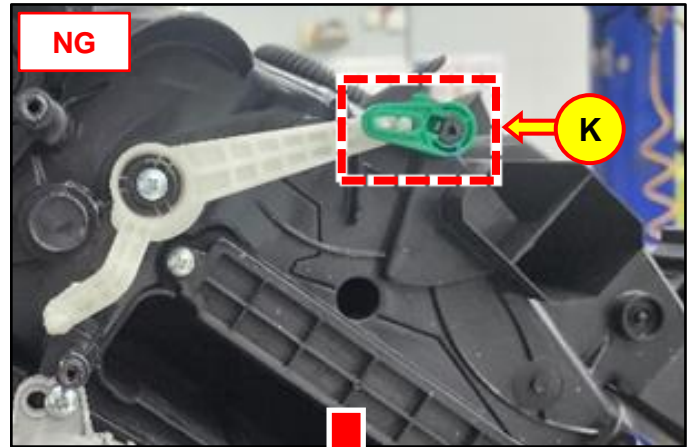
Using STUI, take a photo of the OLD ventilator lever arm with the last 6 digits of the VIN and the date of repair on a piece of paper.

Upload the photo to STUI.



9. Before reinstalling the mode actuator and guide, inspect the position of the floor door lever (K).

If the floor door lever is horizontal as shown (**NG**), then correct the position by pushing the lever downward as shown in the second photo (**GOOD**).



10. Reinstall the cam mode guide and actuator in the reverse order of removal.
11. Reinstall the main crash pad in the reverse order of removal.

#### NOTICE

- Make sure the crash pad fits onto the guide pins correctly.
- Before tightening the bolts, make sure the crash pad wire harnesses are **NOT** pinched.
- Make sure the connectors are plugged in properly, and the antenna lead is connected properly.
- Make sure that each of the assembly components operates properly.
- Replace any damaged clips or pin - type retainers (crash pad side cover clip P/N: **84747-3Y000**)



12. Reinstall all components in the reverse order of removal.

**NOTICE**

When reinstalling the steering wheel, be sure to replace the steering wheel lock bolt (L) with a new one (P/N: **56115-B1000**).

Refer to the shop manual:

- **Steering System > Steering Wheel > Repair procedures**

**Tightening Torque:**

lb-ft	36
N.m	49



13. Verify proper operation of the heating and air conditioning vents.
14. Service procedure is complete.