

 HYUNDAI Technical Service Bulletin		GROUP RECALL	NUMBER 22-01-055H
		DATE June 2022	MODEL(S) Elantra (CN7/CN7a), Elantra N (CN7 N), Elantra Hybrid (CN7 HEV), Accent (HC)
SUBJECT:	FRONT SEAT BELT PRETENSIONER PROTECTION CAP INSTALLATION (RECALL 229)		

★ IMPORTANT

****DEALER STOCK & RETAIL VEHICLES****

Vehicle repairs related to safety recalls are critically important and must be performed properly in accordance with TSB procedures. Review this bulletin in its entirety prior to beginning any repair work.

As required by federal law, dealers must not deliver new vehicles for sale or for lease to customers until all open recalls have been performed. Dealers must also perform all open recalls on used vehicles, demo, and rental vehicles prior to placing them into customer use and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Vehicle Information Screen (VIS)" via WEBDCS to identify open Recalls.

Description: The front seat belt pretensioner may deploy abnormally in the vehicles described below, causing the MGG (Micro Gas Generator) to detach from the assembly. This bulletin describes the procedure to install front seat belt pretensioner anti-separation protection caps.

STUI

This TSB includes STUI picture(s) and/or video(s) as a requirement. STUI picture(s) and/or video(s) requires the VIN be clearly visible. Please include a copy of the RO or last 6 digits of the VIN on paper to clearly illustrate the VIN. Finally, please ensure captured picture(s) and/or video(s) are done according to the steps in this TSB and uploaded to STUI once completed. **All claims found that have incomplete or incorrect picture(s)/video(s) are subject to debit.**

NOTICE

Important Note: When looking up the vehicle in the "Vehicle Information" screen, please go to the 'Campaign Not Performed' section, and view the 'Campaign Description' field for the applicable op code for your vehicle. *The applicable op code will inform you if the left-hand (LH) ONLY, or both sides (LH/RH) need to have the protection caps installed.* Please see example on page 2.

Applicable Vehicles:

- Certain 2021-22MY Elantra (CN7/CN7a) produced from 09/12/2020 – 05/12/2022
- Certain 2022MY Elantra N (CN7 N) produced from 09/15/2021 – 04/25/2022
- Certain 2021-22MY Elantra Hybrid (CN7 HEV) produced from 12/15/2020 – 04/29/2022
- Certain 2020-22MY Accent (HC) produced from 05/30/2019 – 05/17/2022

PARTS KIT COMPONENTS					
					
Cap: SWLL,A (Black)	Cap: SWLL,B (Black)	Cap: STD,A (Silver)	Cap: STD,B (Silver)	Screw	Pad

MODEL	PART NUMBER						REMARKS
Elantra (CN7/CN7a), Elantra Hybrid (CN7HEV)	88810-AACAPQQH						LH (SWLL) / RH (STD)
	Cap: SWLL,A (1)	Cap: SWLL,B (1)	Cap: STD,A (1)	Cap: STD,B (1)	Screw (9)	Pad (1)	
Elantra N (CN7 N)	888N0-AACAPQQH						LH/RH (SWLL)
	Cap: SWLL,A (2)		Cap: SWLL,B (2)		Screw (9)	Pad (2)	
Accent (HC)	88820-AACAPQQH						Use applicable op code in the WEBDCS 'Vehicle Information Screen (VIS)' to reference installation of either LH or both sides (LH/RH). See example below.
	Cap: STD,A (2)		Cap: STD,B (2)		Screw (9)		
	888HC-AACAPQQH						
	Cap: STD,A (1)		Cap: STD,B (1)		Screw (5)		

NOTE 1: One screw is a extra. Please discard if not needed.

NOTE 2: SWLL = **Switchable Load Limiter** and STD = **Standard Type Cap**.

NOTE 3: For all vehicles, you can also see the applicable op code to your specific VIN when accessing the "Vehicle Information Screen (VIS)" in WEBDCS, regarding to which side(s) to replace. Go to the 'Campaign Not Performed' section and look in the campaign description field. **LH is for left hand ONLY and RH/LH is for both sides.** See example below.

Campaign Not Performed (2 Found)				
Campaign Code	Recall	Campaign Description	Campaign Start Date	Vin Activation Date
229	Y	21D074R0 - ACCENT - LH CAP ONLY INSTALL	05/20/2022	05/20/2022

Warranty Information:

MODEL	OP CODE	OPERATION	OP TIME	CAUSAL PART	NATURE CODE	CAUSE CODE
Accent (HC)	21D074R0	FRONT SEAT BELT PRETENSIONER PROTECTION CAP INSTALLATION (ONLY LH)	0.5 M/H	888HC-AACAPQQH	I14	ZZ3
Accent (HC)	21D074R1	FRONT SEAT BELT PRETENSIONER PROTECTION CAP INSTALLATION (BOTH LH AND RH)	0.7 M/H	88820-AACAPQQH	I14	ZZ3
Elantra (CN7/CN7a) Elantra Hybrid (CN7 HEV)	21D074R2	FRONT SEAT BELT PRETENSIONER PROTECTION CAP INSTALLATION (BOTH LH AND RH)	0.7 M/H	88810-AACAPQQH	I14	ZZ3
Elantra N (CN7 N)	21D074R3	FRONT SEAT BELT PRETENSIONER PROTECTION CAP INSTALLATION (BOTH LH AND RH)	0.7 M/H	888N0-AACAPQQH	I14	ZZ3

NOTE 1: Submit Claim on Campaign Claim Entry Screen

NOTE 2: If a part that is not covered by this recall is in need of replacement while performing this recall, and the affected part is still under warranty, please 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: The labor op times above include the time involved marking all 4 screws with paint and taking a STUI photo of the completed pretensioner with the caps installed.

NOTE 4: All claims found must have a STUI picture uploaded. Claims found to not have a STUI picture uploaded with the caps installed or if picture is incomplete, claim will be subject to debit.



Refer to the QR code or link below for guided video information:
[Hyundai Service Learning - Recall 229 Service Procedure](#)

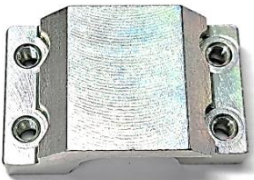
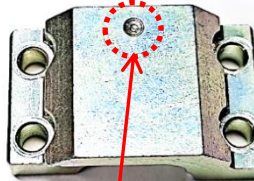
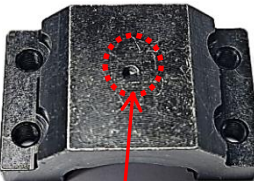
NOTICE

The replacement procedure below is based on the LH seatbelt pretensioner. Due to symmetry, the RH seatbelt pretensioner procedure is similar. Please note the application of SWLL (Switchable Load Limiter) and STD (Standard) Type Cap.

*SWLL Type Replacement starts on page 5 of TSB

*STD Type Replacement starts on page 10 of TSB

How to classify the cap (A/B) by type:

TYPE	PART NAME	IDENTIFICATION METHOD		REMARKS
		BEFORE INSTALLATION	AFTER INSTALLATION	
STD	CAP A			Caps (A/B) are classified by type according to the marking groove position of the cap. (STD CAP A does not have a marking groove.)
	CAP B	 Marking groove		
SWLL	CAP A	 Marking groove		Caps (A/B) are classified by type according to the marking groove position of the cap.
	CAP B			

Service Procedure:

■ **FRONT SEAT BELT PRETENSIONER PROTECTION CAP INSTALLATION (SWLL TYPE)**

1. If applicable, record the customer's radio preset stations for AM / FM / SXM.
2. Disconnect the negative (-) battery terminal.

⚠ CAUTION

Negative Battery Terminal Tightening Torque:
7.8 – 9.8 Nm (0.8 – 1.0 kgf.m, 5.8 – 7.2 lb-ft)



3. Remove the center pillar lower trim.

NOTICE

Refer to the shop manual.
- Interior trim > Center pillar trim

⚠ CAUTION

Take care not to damage the pretensioner when removing or installing the seat belt.

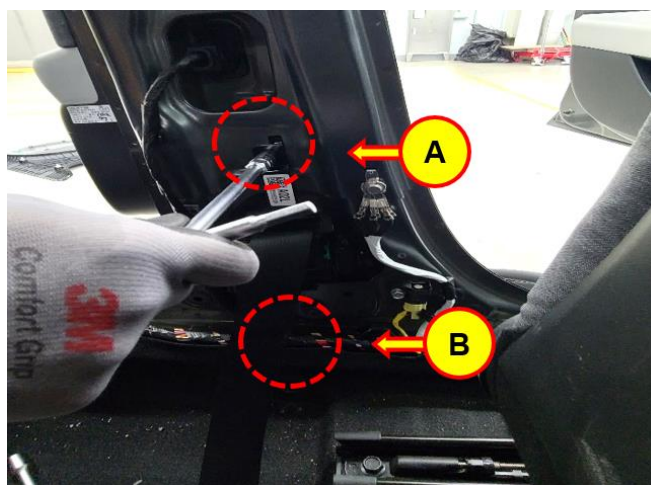


4. Loosen the mounting bolts (A & B).

⚠ CAUTION

Tightening Torque: bolt (A)
7.8 ~ 11.8 Nm (0.8 ~ 1.2 kgf.m, 5.8 ~ 8.7 lb-ft)

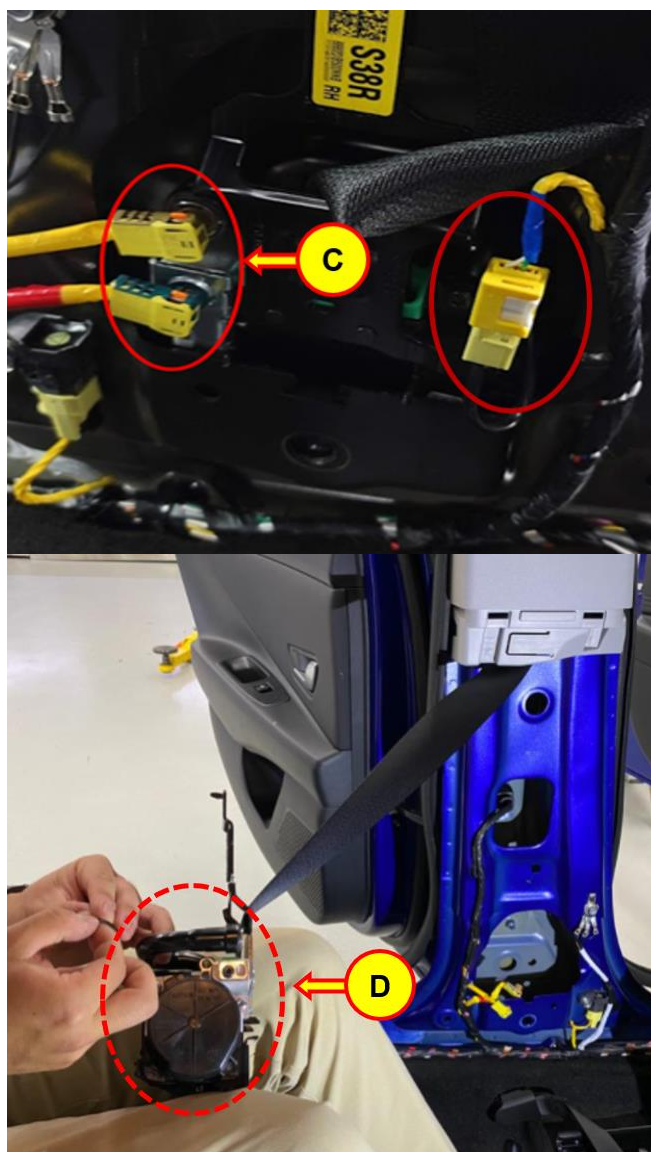
Tightening Torque: bolt (B)
39.2 ~ 53.9 Nm (4.0 ~ 5.5 kgf.m, 28.9 ~ 39.8 lb-ft)



5. Remove the connector (C) and then disconnect the front seat pretensioner (D). Move the pretensioner to install caps and screws.

⚠ CAUTION

Be careful not to twist the seat belt.



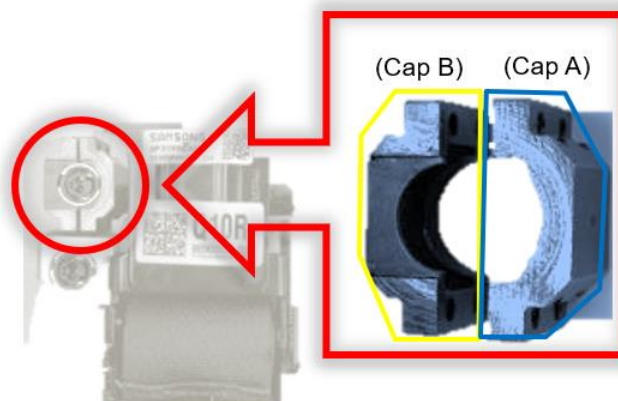
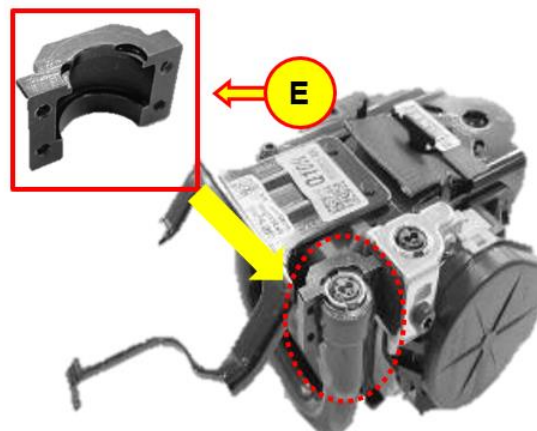
6. Attach the pad.



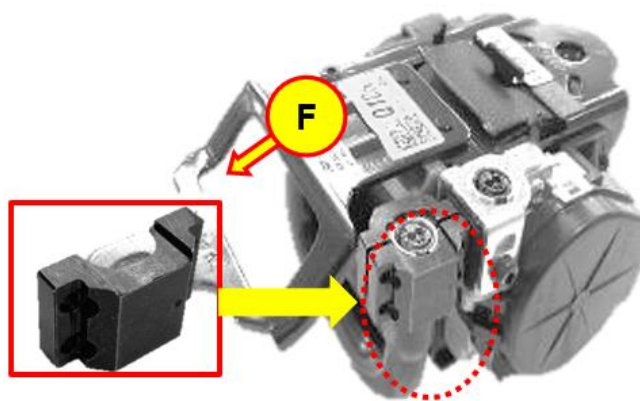
7. Install Cap A (E).

⚠ CAUTION

Check if the installation direction of the cap matches the figure.



8. Install Cap B (F).

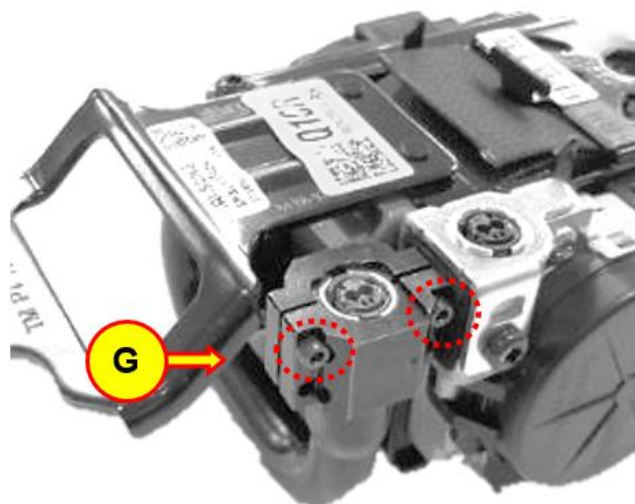


9. Mount the cap top screws (G).

NOTICE

Tightening Torque:
2.1 ~ 2.6 Nm (0.2 ~ 0.3 kgf.m, 1.5 ~ 1.9 lb-ft)

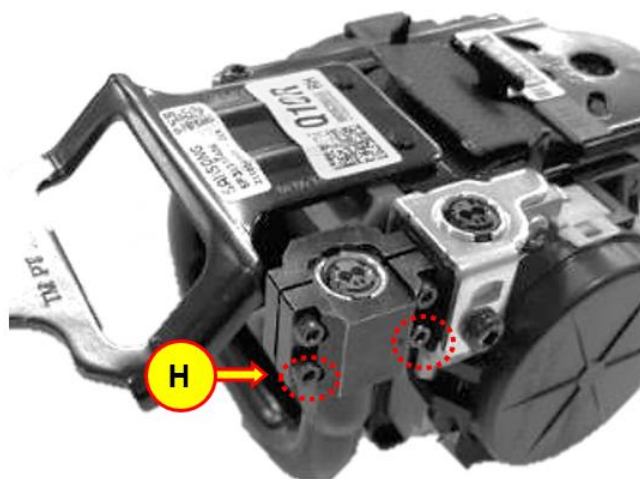
When mounting the screws, hold the bottom of the cap by hand and secure it.



10. Mount the cap bottom screws (H).

NOTICE

Tightening Torque:
2.1 ~ 2.6 Nm (0.2 ~ 0.3 kgf.m, 1.5 ~ 1.9 lb-ft)



11. Mark all 4 screws with paint after installing screws. Using STUI, please take a photo of the completed pretensioner assembly with the caps installed. Within the picture, include a piece of paper with the last 6 digits of the VIN # or the RO, LH or RH side, and date of repair.

Upload the photo to STUI of LH pretensioner, **AND** RH pretensioner (when applicable).

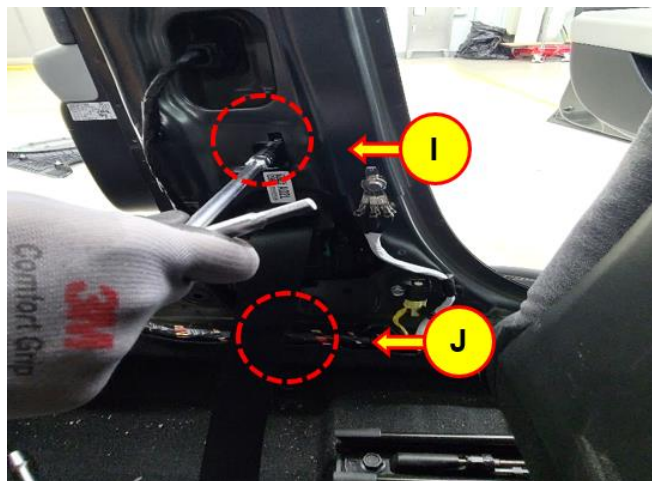


12. Torque the seat belt pretensioner mounting bolts (I) and (J) to specifications.

⚠ CAUTION

Tightening Torque: bolt (I)
7.8 ~ 11.8 Nm (0.8 ~ 1.2 kgf.m, 5.8 ~ 8.7 lb-ft)

Tightening Torque: bolt (J)
39.2 ~ 53.9 Nm (4.0 ~ 5.5 kgf.m, 28.9 ~ 39.8 lb-ft)



13. Install seat belt pretensioner in the reverse order of removal.

NOTICE

- When the ignition switch is turned on after installing the pretensioner, check that the warning light is turned on and off for about 6 seconds.
- Install the connectors securely.

■ **FRONT SEAT BELT PRETENSIONER PROTECTION CAP INSTALLATION (STD TYPE)**

1. If applicable, record the customer's radio preset stations for AM / FM / SXM.
2. Disconnect the negative (-) battery terminal.

CAUTION

Negative Battery Terminal Tightening Torque:
7.8 – 9.8 Nm (0.8 – 1.0 kgf.m, 5.8 – 7.2 lb-ft)



3. Remove the center pillar lower trim.

NOTICE

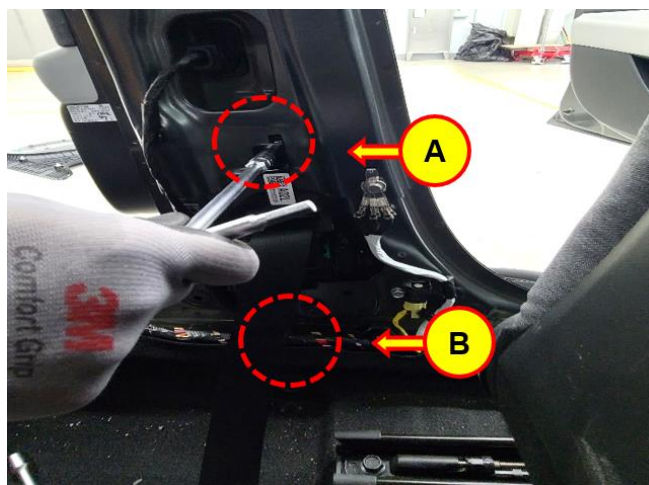
Refer to the shop manual.
- Interior trim > Center pillar trim

CAUTION

Take care not to damage the pretensioner when removing or installing the seat belt.



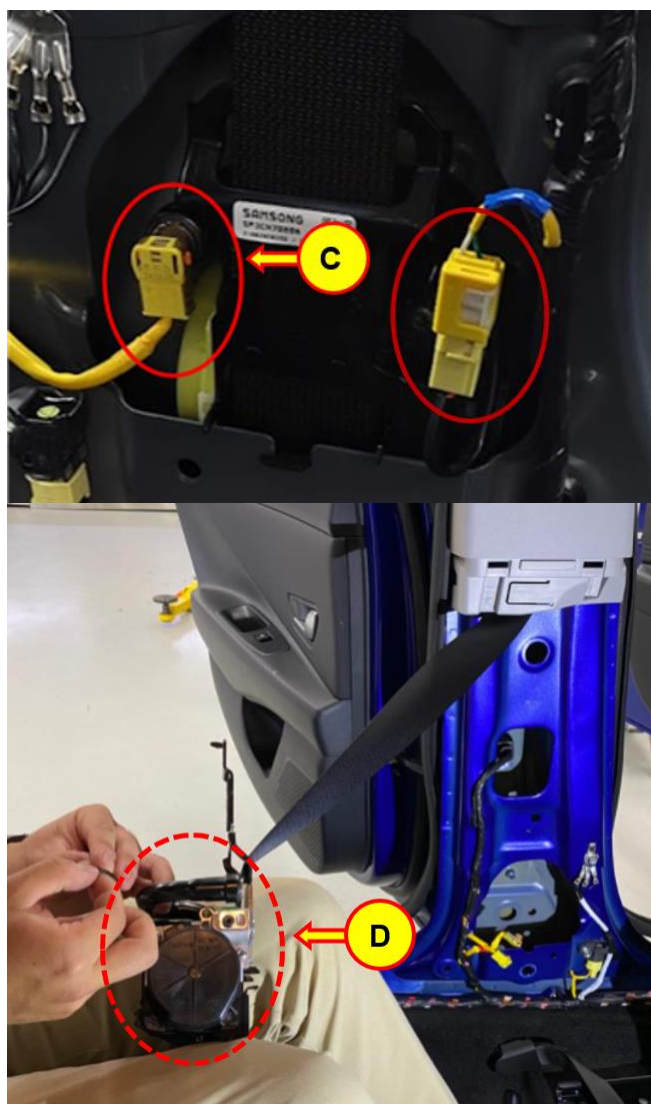
4. Loosen the mounting bolts (A & B).



5. Disconnect the connector (C) and then disconnect the front seat pretensioner (D). Move the pretensioner to install caps and screws.

⚠ CAUTION

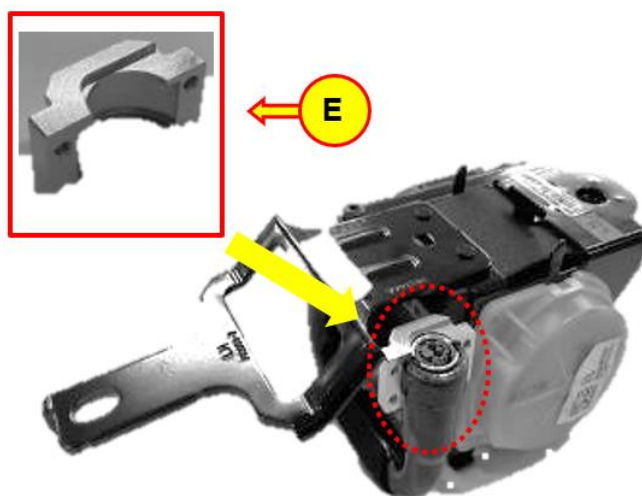
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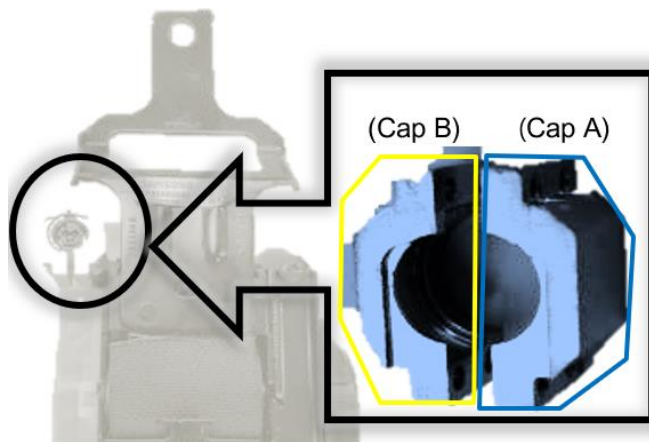


6. Install Cap A (E).

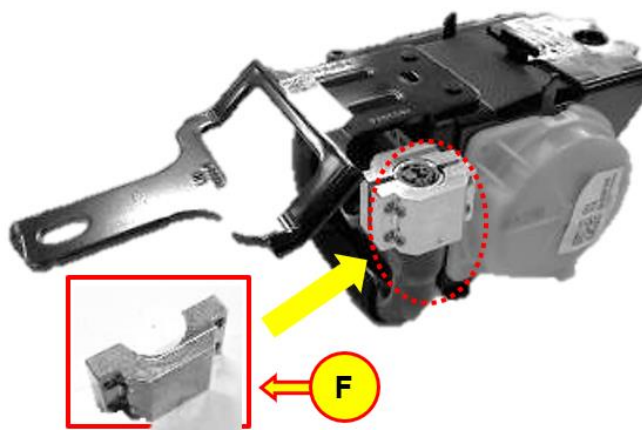
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7. Install Cap B (F).

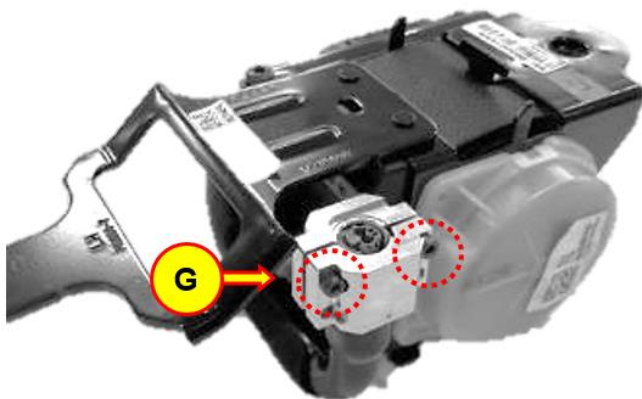


8. Mount the cap top screws (G).

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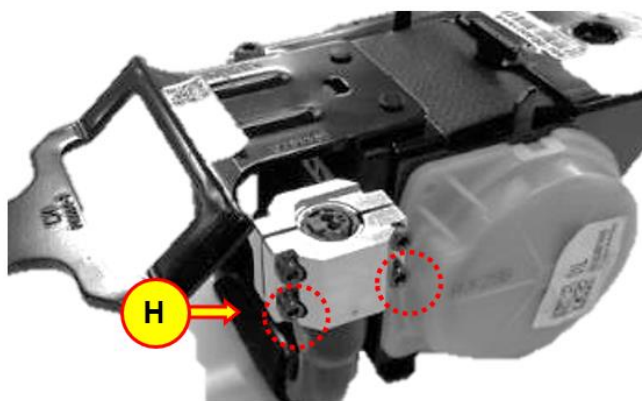
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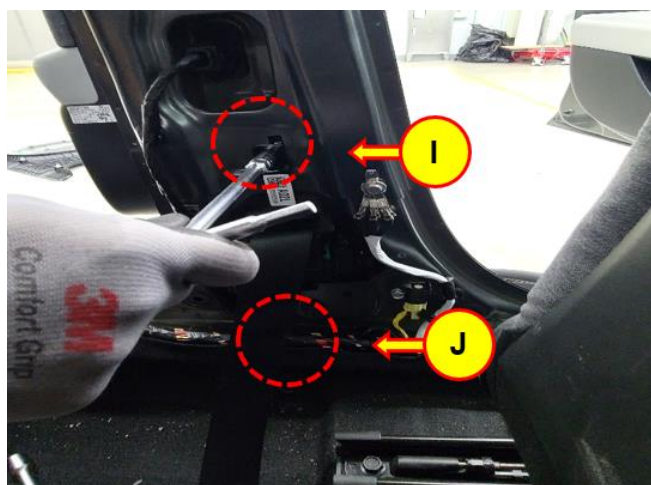


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