 <b>HYUNDAI</b> <b>Technical Service Bulletin</b>	<b>GROUP</b> <b>RECALL</b>	<b>NUMBER</b> <b>22-01-088H</b>
	<b>DATE</b> <b>NOVEMBER</b> <b>2022</b>	<b>MODEL(S)</b> <b>Santa Fe Hybrid /</b> <b>Plug-in (TM HEV /</b> <b>PHEV)</b>
<b>SUBJECT:</b>	<b>FRONT SEAT BELT PRETENSIONER PROTECTION</b> <b>CAP INSTALLATION (RECALL 238)</b>	

**★ IMPORTANT**

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.

Access the "Vehicle Information" screen 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 pictures as a requirement.** The STUI pictures require the VIN and date of the repair to be clearly visible. Please include the last 6 digits of the VIN and date of the repair on a piece of paper next to the seat belt pretensioner caps installed (**both LH and RH**). Ensure the captured pictures are completed according to the steps in the TSB. **All submitted claims without associated STUI pictures that do not capture the VIN, repair date, and the seat belt pretensioner caps installed are subject to debit. In addition, any claims found to have an illegible, incomplete, missing, or incorrect picture are subject to debit.**

**Applicable Vehicles:**

- Certain 2021-22MY Santa Fe Hybrid (TM HEV) produced between 12/18/2020 - 07/26/2022
- Certain 2022MY Santa Fe Plug-in (TM PHEV) produced between 05/13/2021 - 07/21/2022

**Parts Information:**

PART NAME	PART NUMBER / FIGURE			REMARKS
KIT	 CAP A (2EA)	 CAP B (2EA)	 BOLT (9EA)	One bolt is extra.
	88820-AACAPQQH			

**Warranty Information:**

MODEL	OP CODE	OPERATION	OP TIME	CAUSAL PART	NATURE	CAUSE
Santa Fe Hybrid / Plug-in (TM HEV/PHEV)	21D147R0	FRONT SEAT BELT PRETENSIONER PROTECTION CAP INSTALLATION (BOTH LH AND RH)	0.7 M/H	88820-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 includes the time to mark all 4 bolts with paint and to take STUI pictures of the pretensioner with the caps installed.

**NOTE 4:** All claims must have STUI pictures uploaded. Claims with illegible, incomplete, missing, or incorrect STUI pictures are subject to debit.

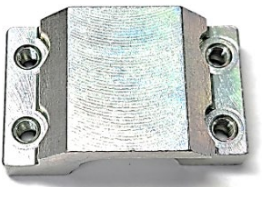


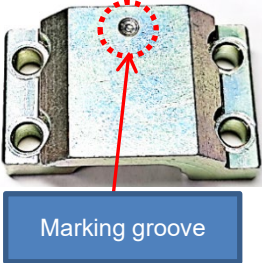

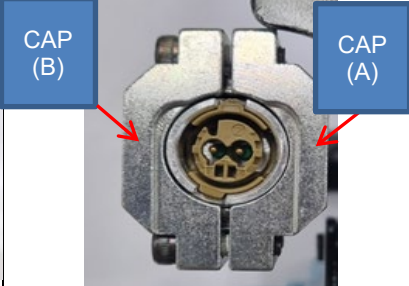


Refer to the QR code or link below for guided video information:  
[Hyundai Service Learning - Recall 238 Service Procedure](#)

**NOTICE**

The replacement procedure below is based on the LH seatbelt pretensioner. Due to symmetry, the RH seatbelt pretensioner procedure is similar.

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

TYPE	PART NAME	IDENTIFICATION METHOD		REMARKS	
		BEFORE INSTALLATION	AFTER INSTALLATION		
STD	CAP A				CAP A does not have a marking groove.
	CAP B				

**SERVICE PROCEDURE (SAME FOR DRIVER SIDE AS PASSENGER SIDE):**

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

**CAUTION**

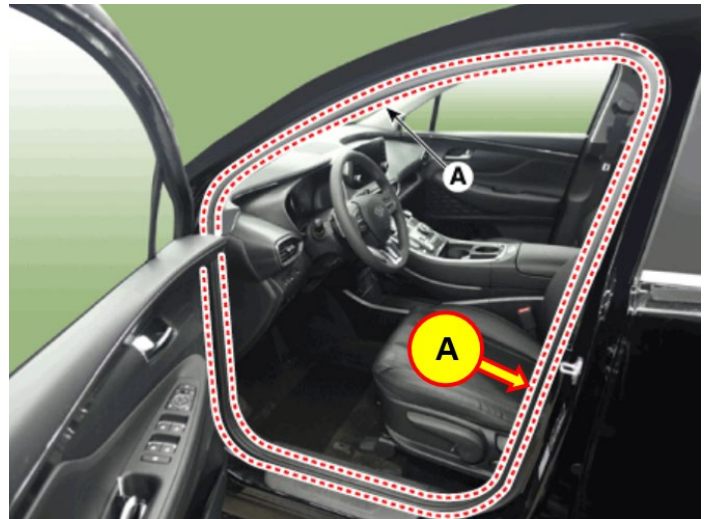
**Negative Battery Terminal Tightening Torque:**  
**7.8 – 9.8 Nm (0.8 – 1.0 kgf.m, 5.8 – 7.2 lb-ft)**



3. Partially remove the front door body side weather strip (A) near the center pillar trim.

**NOTICE**

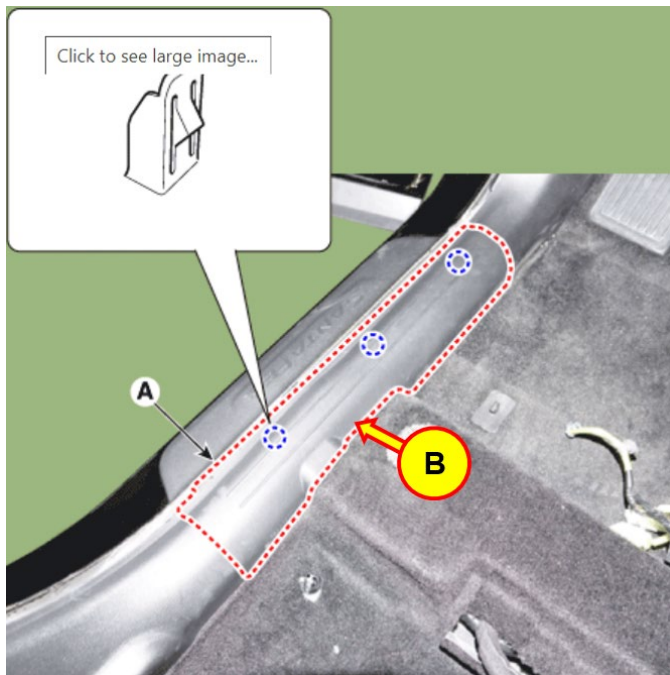
**Refer to the shop manual.**  
**- Interior trim > Center pillar trim**



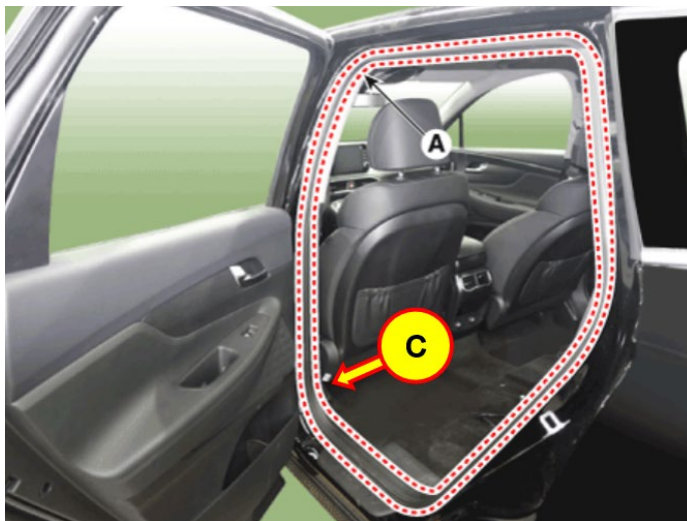
4. Remove the front door scuff trim (B) using the trim tool.

**CAUTION**

*Be careful not to damage trims and panels.*



5. Partially remove the rear door body side weather strip (C) near the center pillar trim.

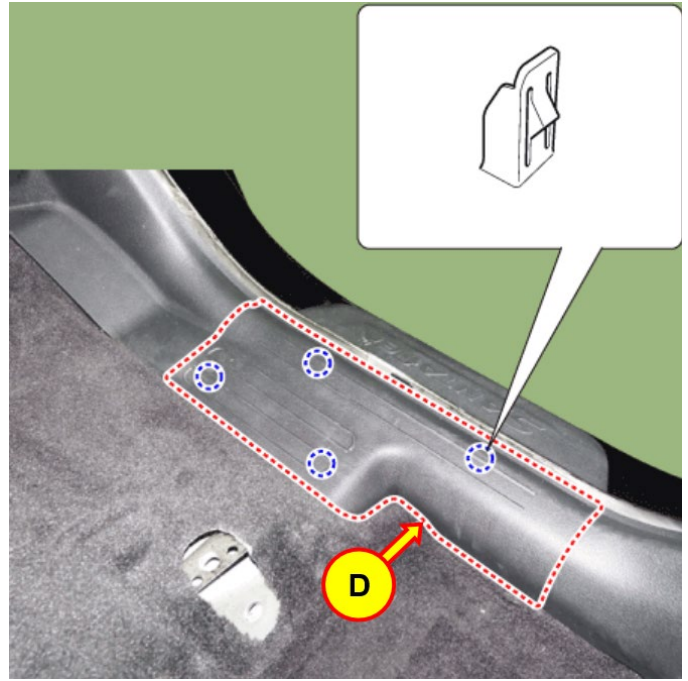




6. Remove the rear door scuff (D) using the trim tool.

**⚠ CAUTION**

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



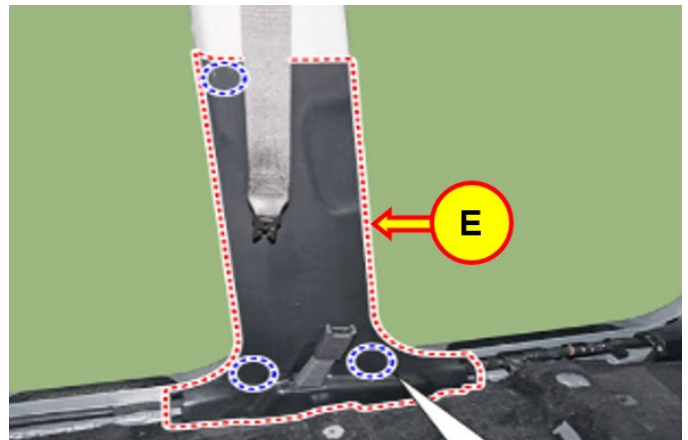
7. Press the release button on the front seat belt anchor and disconnect the seat belt.



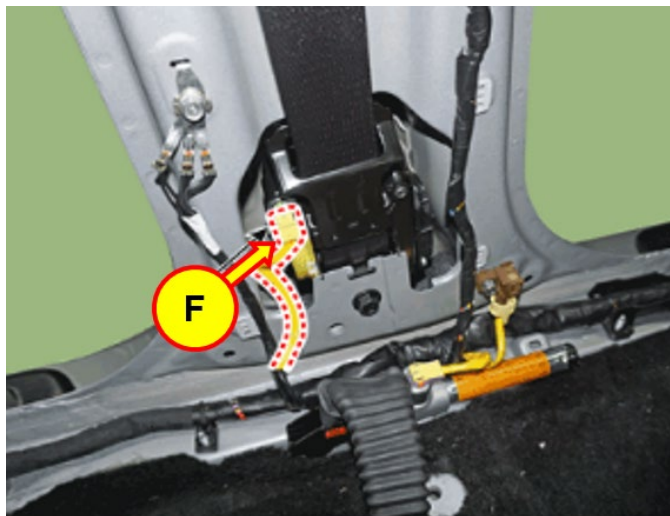
8. Remove the center pillar lower trim (E).

**⚠ CAUTION**

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



9. Press the locking pin and disconnect the front seat belt pretensioner connector (F).



10. Remove the front seat belt pretensioner (I,H) by loosening the mounting bolts (G,H).

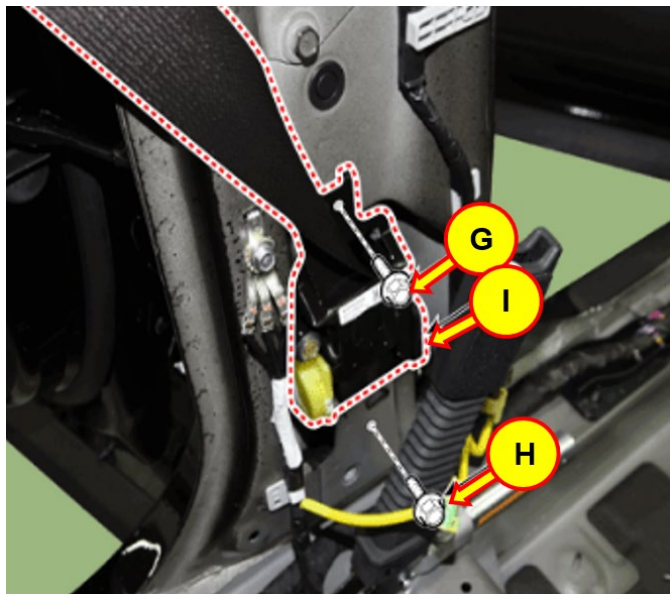
**⚠ CAUTION**

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

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

**⚠ CAUTION**

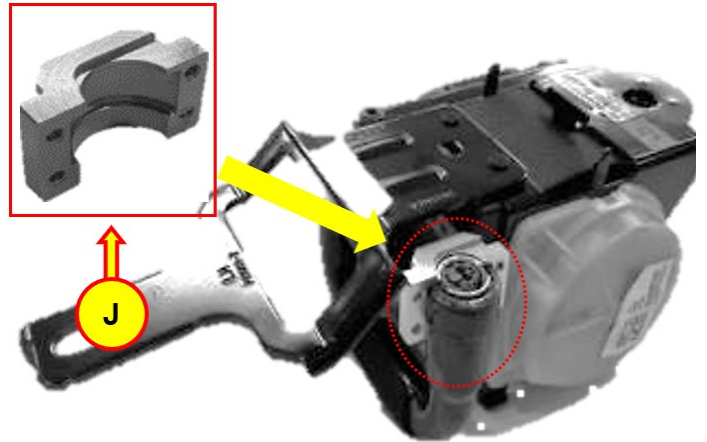
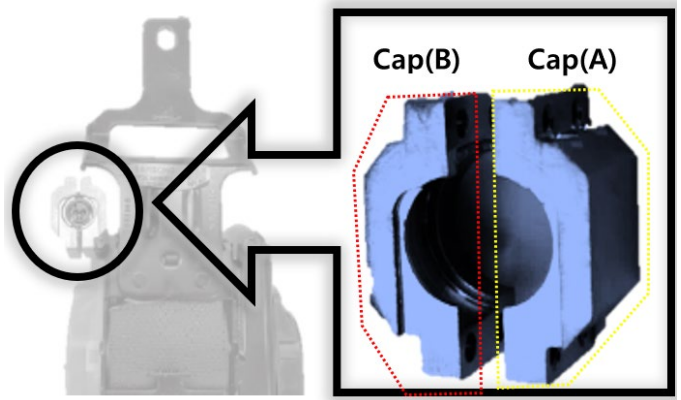
Be careful not to twist the seat belt.



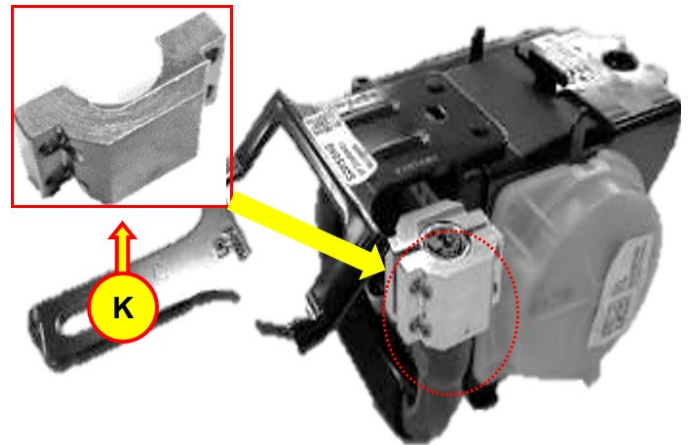
11. Install Cap A (J).

**CAUTION**

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



12. Install Cap B (K).

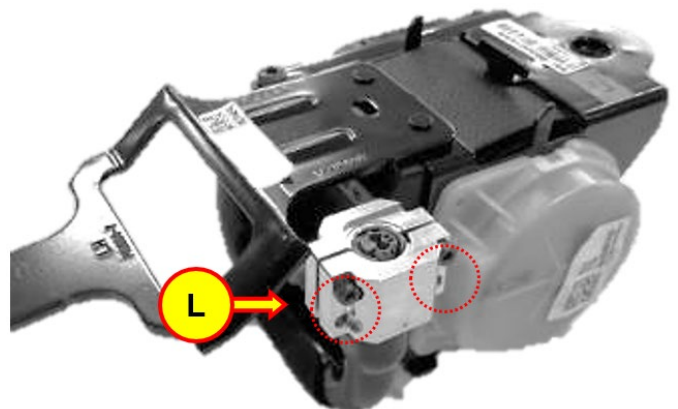


13. Tighten the cap top bolts (L).

**NOTICE**

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

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

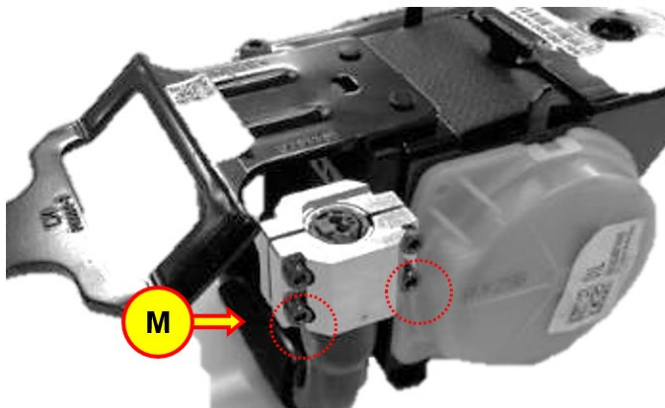




14. Tighten the cap bottom bolts (M).

**NOTICE**

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



15. Mark all 4 bolts with paint after installing bolt.

**STUI**

Using STUI, please take photos 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, date of the repair, Driver (LH) side or Passenger (RH) side.

Upload the photos to STUI with the caps installed.

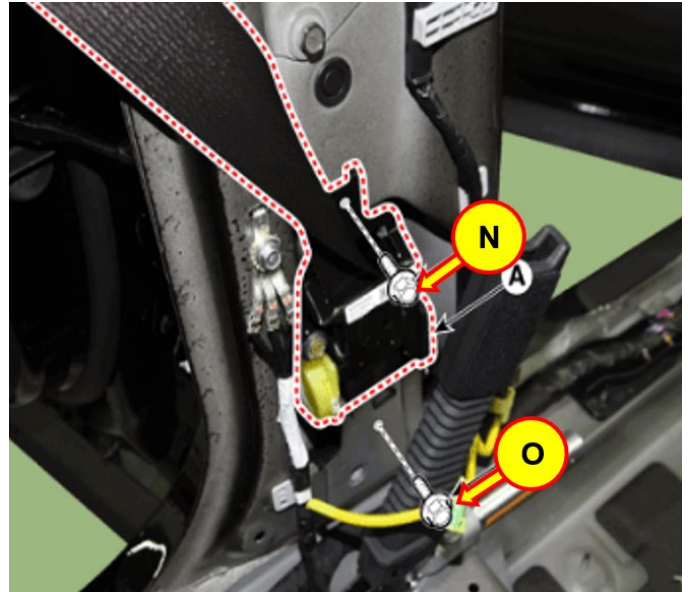


16. Torque the seat belt pretensioner mounting bolts (N & O) to specifications.

**CAUTION**

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

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



17. Install seat belt pretensioner in the reverse order of removal.
18. Repeat procedure steps 3-16 on the passenger's side.

Reprogram the customer's preset radio stations.

**NOTICE**

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