	GROUP BOD	MODEL 2012-2015MY Optima (QF) With Panorama Sunroof
	NUMBER 185	DATE January 2019
TECHNICAL SERVICE BULLETIN		
SUBJECT: PANORAMA SUNROOF CREAK OR RATTLE NOISE		

This bulletin provides the procedure to apply felt tape on the panorama sunroof crossmember on some 2012-2015MY Optima (QF) vehicles, equipped with panorama sunroof, produced from August 31, 2011 through September 22, 2015, which may experience a slight creaking or rattle noise at the sunroof area. Follow the procedure in this bulletin to apply felt tape on the sunroof crossmember assembly and crossmember mounts.



File Under: <Body>

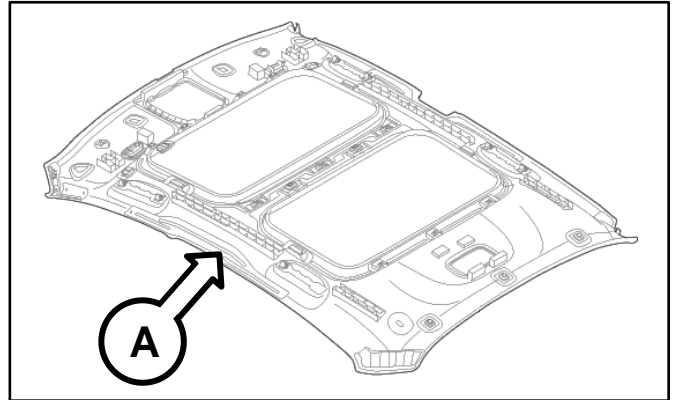
Circulate To: **General Manager** **Service Manager** **Parts Manager**
 Service Advisors **Technicians** **Body Shop Manager** **Fleet Repair**

Repair Procedure:

- Carefully lower the roof trim (headliner) (A) approximately twelve (12) inches by referring to the “Body (Interior and Exterior) → Interior → Roof Trim → Repair procedures” chapter in the applicable Shop Manual on KGIS.

*** NOTICE**

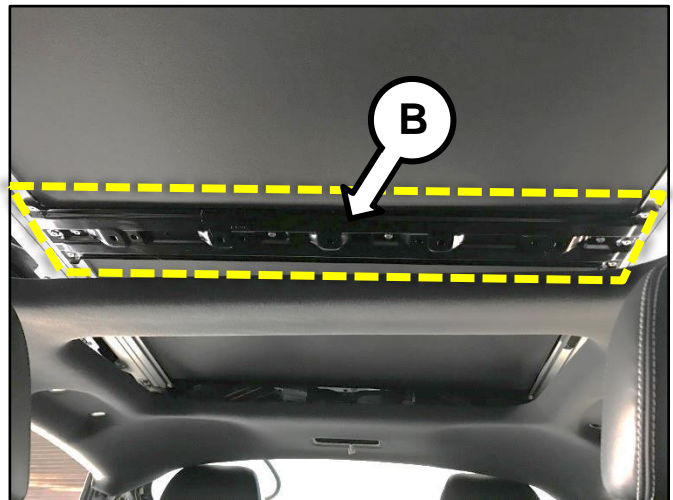
Complete removal of the roof trim is not necessary.



- Loosen and remove the ten (10) crossmember retaining bolts and then remove the sunroof crossmember assembly (B).

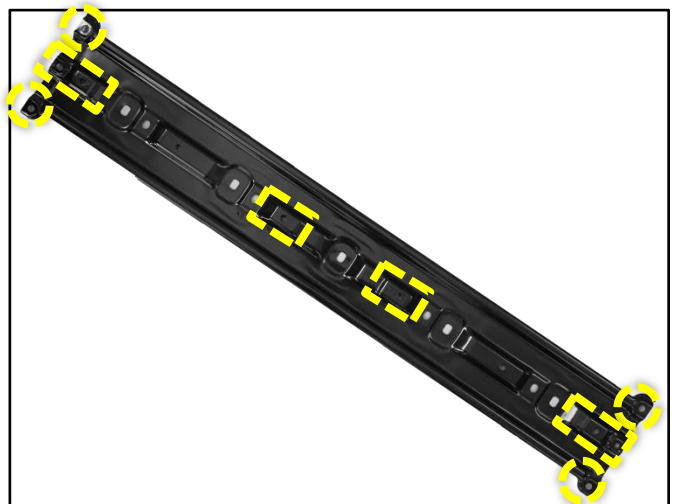
*** NOTICE**

Be careful not to damage the roof trim and interior when removing the sunroof crossmember.



- With the sunroof crossmember placed on a flat surface, facing down, apply felt tape to the highlighted areas.

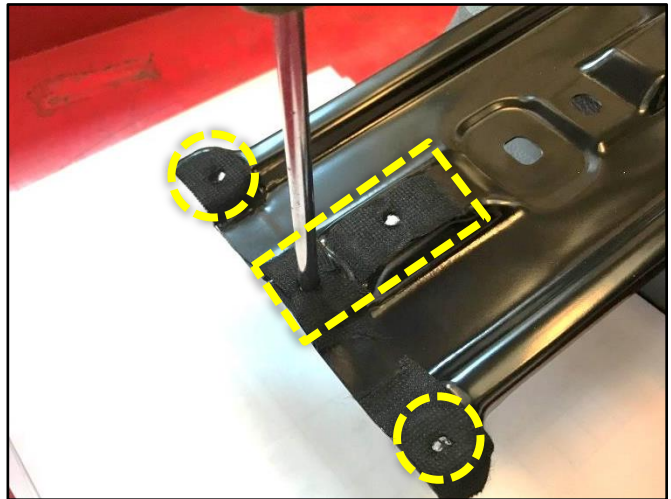
Note: The highlighted areas are the placement locations of the retaining bolts. The felt tape must be placed at contact area between the crossmember and roof.



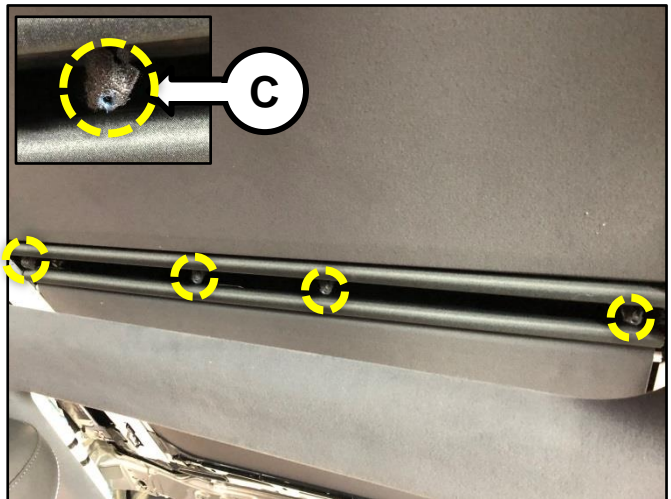
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4. Carefully poke a small opening through the felt tapes at the crossmember for ease of retaining bolts installation.



5. Apply felt tape at the four (4) crossmember mount locations and carefully poke a small opening through the felt tapes, as shown (C) for ease of retaining bolts installation.



6. Apply LOCTITE® 242 or equivalent medium strength threadlocker to the crossmember retaining bolts and immediately reinstall the felt-applied crossmember. Reinstall all removed components in the reverse order of removal.



7. Verify proper operation of the sunroof and ensure sunroof creak or rattle noise is no longer experienced.

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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Optima (QF)	August 31, 2011 through September 22, 2015

REQUIRED PART:

Part Name	Part Number	Figure	Qty.
Felt/Fabric Tape	N/A		Locally sourced
LOCTITE® 242	LOCTITE SKU: 135355		Locally sourced

WARRANTY INFORMATION:

N Code: Q55 C Code: ZZ5

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	81651 3R500	0	Sunroof Crossmember Felt Application	67132F01	1.9 M/H	N/A	0

Notes: Use sublet code 'X1' for use of felt/fabric tape and LOCTITE® 242 or equivalent medium strength threadlocker (maximum allowance of \$4.00).