

 <b>HYUNDAI</b>   NEW THINKING. NEW POSSIBILITIES.  <b>Technical Service Bulletin</b>	GROUP	NUMBER
	<b>BODY (Interior &amp; Exterior)</b>	<b>13-BD-002</b>
	DATE	MODEL
	<b>AUGUST 2013</b>	<b>2012 – 2013 SONATA (YF &amp; YF-HEV)</b>
SONATA PANORAMIC SUNROOF NOISE		

**DESCRIPTION:** On some 2012~2013 Sonata (YF) and 2012 Sonata Hybrid (YF-HEV) vehicles with panoramic sunroof, a slight creaking or rattle noise in the roof may be heard. If the source of the noise is around the roof area on top of the B-pillar, follow the procedure outlined in this bulletin to eliminate the noise.



#### Applicable Vehicles:

MY12~13 SONATA equipped with panoramic sunroof

- Produced from June 1, 2011 to August 7, 2013




MY12 SONATA HEV

- Produced from June 1, 2011 to May 1, 2012

**SUBJECT:** SONATA PANORAMIC SUNROOF NOISE

**PARTS INFORMATION:**

Parts can be sourced through local markets.

Part Number	Part Description	Contents
N/A	Loctite 220 or Equivalent	
	Acoustic Felt	
N/A	Upholstery Trim Tool	

**NOTE:**

*(1) To apply loctite on the screws, follow the instructions per the manufacturer's label.*

**WARRANTY INFORMATION:**

Op Code	Operation	Op Time	Causal Part Number	Nature	Cause
81682F00	PANORAMIC SUNROOF NOISE REPAIR	1.2	81620-3Q000 (YF) 67131-4R000 (YF HEV)	N29	C20

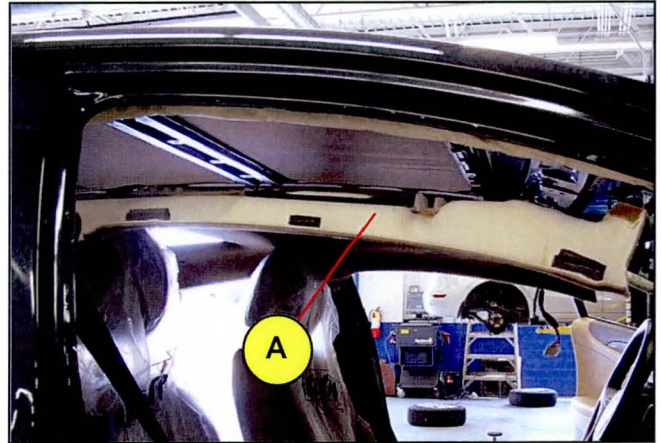
**NOTE:** Op time includes compensation for parts.

## SERVICE PROCEDURE:

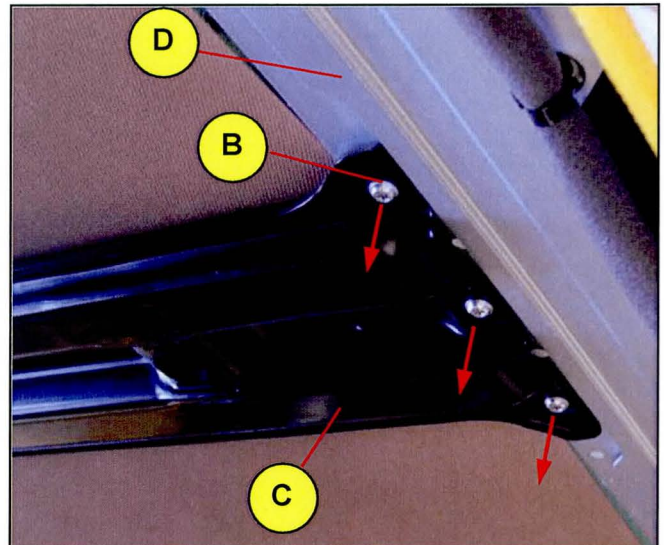
1. Before conducting the procedure, record customer preset radio stations and disconnect the battery negative cable.
2. Using a suitable upholstery trim tool drop the headliner enough to access the cross-member bolts (A).

**NOTICE**

Do not damage, scratch, or contaminate any trim or panel while conducting this procedure.

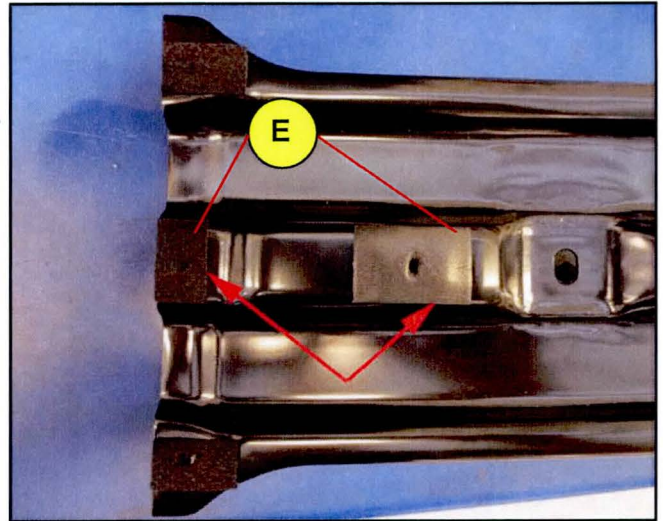


3. Remove the sunroof cross-member bolts (B) to disassemble the sunroof cross-member (C) from the body (D).

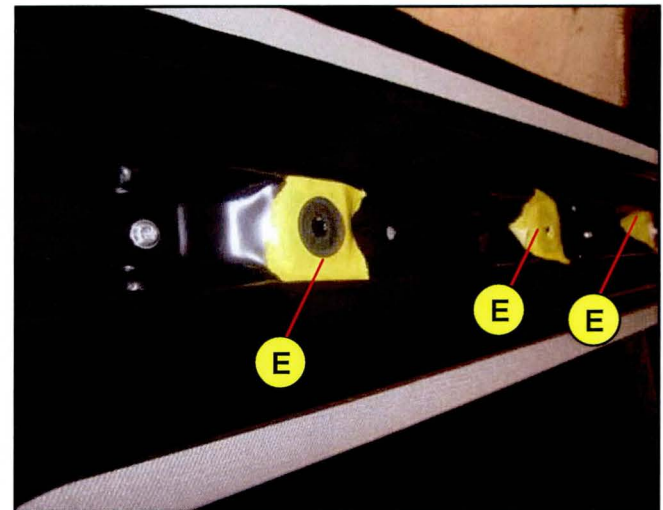




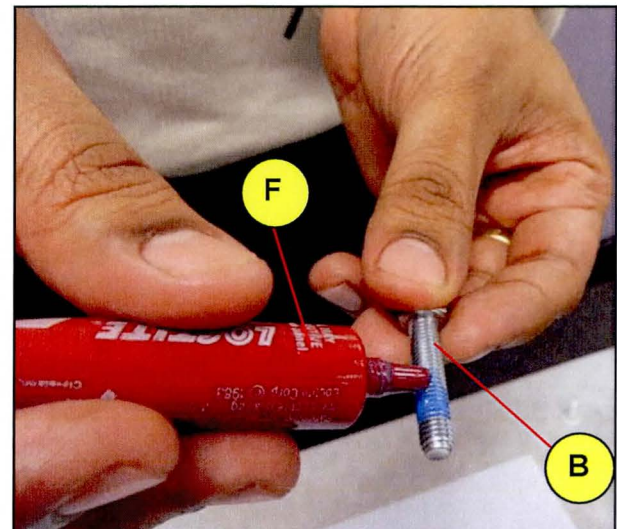
4. Add acoustic felt (E) to the sunroof cross-member mounting surface as shown.
- Cut the acoustic felt to the required size prior to installation.



5. Apply acoustic felt (E) across all mounting locations as shown.



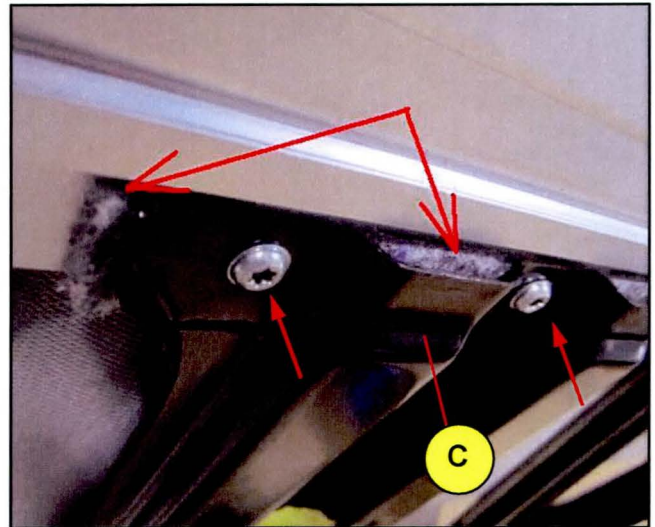
6. Apply loctite (F) to the sunroof cross-member bolts as shown.
- Cure time: 6 minutes. Temperature @ 70°F (21°C)



7. Place the acoustic felt between the sunroof cross-member (C) and the body and tighten the bolts to the below torque specification.

**Tightening Torque:**

3.5~4 Nm (2.6~3 ft-lbs, 31~35 in-lbs).



8. Install the headliner and visibly inspect fit and finish with interior trim.



9. Install the negative battery cable and reset the customer radio stations.
10. Test drive the vehicle to confirm creaking or rattle noise is eliminated.