

Technical Service Bulletin



60 Panoramic sunroof opening outer perimeter seal is loose

60 23 61 2063187/2 January 9, 2023. Supersedes Technical Service Bulletin Group 60 number 21-53 dated May 7, 2021, for reasons listed below.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|---|---------------------|-----------|----------------------------|
| Q5, SQ5, and Q7 | 2017 – 2024 | All | Not Applicable |
| A4, S4, A4 allroad, Q3, and Q8 | 2019 – 2024 | | |
| e-tron quattro | 2019 2021 – 2024 | | |
| Q5 e quattro, e-tron Sportback quattro, and SQ7 | 2020 – 2024 | | |
| Q5 Sportback, SQ5 Sportback, SQ8, and RS Q8 | 2021 – 2024 | | |
| e-tron S quattro | 2022 – 2024 | | |

Condition

| REVISION HISTORY | | |
|------------------|------------|---|
| Revision | Date | Purpose |
| 2 | - | Revised <i>Warranty</i> (updated Labor Operation) |
| 1 | 05/21/2021 | Initial publication |

Customer states:

One or a combination of the following symptoms:

- They hear wind noise in the roof area with the sunroof panel closed.
- They have seen water drip from the headliner area.
- The sunroof opening perimeter seal is distorted and/or not flush with the roof panel.

Technical Background



The adhesion of the sunroof opening perimeter seal to the roof panel may be compromised or have failed completely. There could possibly be any degree of detachment any of which could cause the symptoms specified in this TSB. Any detachment whatsoever discovered in the inspection is a possible point of entrance for wind and/or water entry into the cabin. Any detachment must be corrected by replacement of the sunroof opening perimeter seal.

Production Solution

Not applicable.

Service

1. Begin the inspection of the sunroof opening perimeter seal adhesion by fully opening the front sunroof glass panel (Figure 1).



Figure 1. Front sunroof panel open.

2. Press the seal downwards and inwards with your fingers until the adhesive tape for the seal is visible (Figure 2). The foam adhesive tape may be stretched but it must not be loose or detached from the roof panel to any degree.



Figure 2. Checking the adhesion quality.



3. Figure 3 shows a properly adhered adhesive band.



Figure 3. A properly adhered perimeter seal.

4. Repeat this procedure centimeter by centimeter over the entire length of the front sunroof opening. When this is completed, close the front sunroof panel.
5. Using the same inspection principle used in the inspection of the front portion of the sunroof opening perimeter seal check the seal adhesion in the rear portion of the sunroof opening (Figure 4).

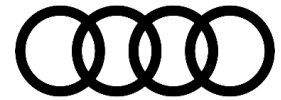


Figure 4. Begin inspection of the rear portion of the perimeter seal.

6. Figures 5 – 8 clearly show that the adhesive tape has come loose from the vehicle body. The obvious color and shape difference at the point of contact revealing the gaps is evidence of detachment.



Figure 5. Clear evidence of adhesive detachment.



7. A gap in the attachment is revealed in the examples in Figures 5 - 8.



Figure 6. Seal adhesive band detachment revealed.



Figure 7. Adhesive band detachment.

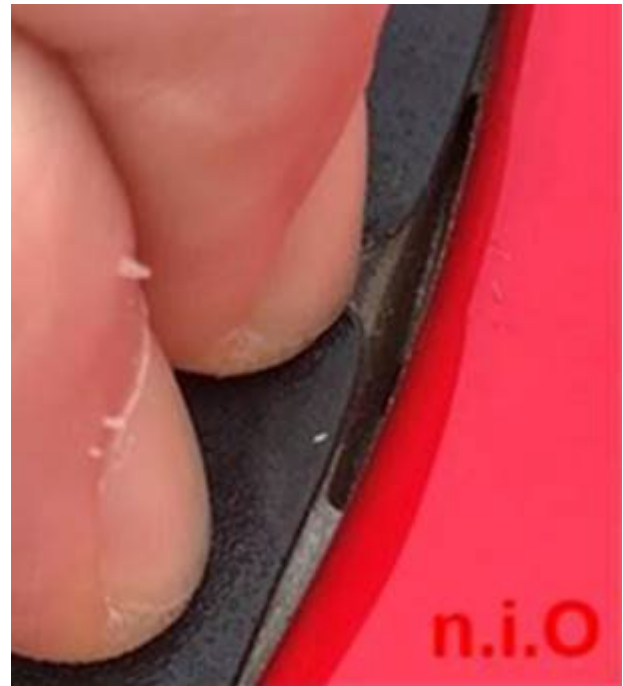
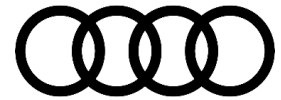


Figure 8. Close-up view of the detachment area from Figure 7.

8. The locations where the adhesion is compromised or has failed is a possible entry point for water into the cabin. The area directly below these openings is outside the area of the sunroof drainage. If any adhesion is found to be compromised or failed to any extent replace the sunroof opening perimeter seal. Follow the procedure in ElsaPro explicitly to ensure proper seal adhesion paying particularly close attention to the adhesion surface preparation.
9. Remember to set the sunroof panel and rollershade end stop adaptation after reassembly using the sunroof panel and rollershade switches. Refer to TSB 2054505: *60 Sunroof glass panel or sunroof rollershade do not operate* for instructions.

Warranty

| | |
|------------------------|---|
| Claim Type: | <ul style="list-style-type: none">• 110 up to 48 Months/50,000 Miles.• G10 for CPO Covered Vehicles – Verify Owner.• If the vehicle is outside any warranty, this Technical Service Bulletin is informational only. |
| Service Number: | 6042 |

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| | | | |
|--------------------------|---|---|--|
| Damage Code: | 0018 | | |
| Labor Operations: | Sunroof opening perimeter seal inspection | 6042 0199 | 20 TU |
| | Front glass tilting roof panel remove and reinstall | 6039 1900 (Q8, Q7, Q5, Audi e-tron quattro, and Audi e-tron Sportback) | See SRT with associated operations |
| | Roof opening perimeter seal remove and reinstall | 6042 1950 (Q8, Q7, Q5, Audi e-tron quattro, and Audi e-tron Sportback) | See SRT with associated operations |
| | Roof opening perimeter seal remove and reinstall | 6042 1902 (Q3) | See SRT with associated operations |
| | Front glass tilting roof panel remove and reinstall | 60 39 19 00 (A4 allroad) | See SRT with associated operations |
| | Roof opening perimeter seal remove and reinstall | 60 42 19 64 (A4 allroad) | See SRT with associated operations |
| Diagnostic Time: | GFF | 0150 0000 | Time stated on the diagnostic protocol (Max 10 TU) |
| | Road test prior to the service procedure | 0121 0002 | 10 TU |
| | Road test after the service procedure | 0121 0004 | 10 TU |
| Claim Comment: | As per TSB 2063187/2 | | |




All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Required Parts and Tools

| Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. | | |
|---|------------------|----------|
| Part Number | Part Description | Quantity |

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| | | |
|---|--|---------------|
| See ETKA | Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual | See ETKA/ELSA |
| D 00940104 or equivalent surface preparation solvent (e.g. isopropyl alcohol) |  <p>All Purpose Cleaner</p> | 0.2 |
| D 355205A2 or equivalent adhesion promoter (e.g. 3M™ 111 Adhesion Promoter or AC77 Adhesive Primer) |  <p>Bonding Agent</p> | 0.2 |
| D 00950025 (or equivalent) |  <p>Primer applicator</p> | 01 |

| Tool Number | Tool Description |
|-------------|------------------|
|-------------|------------------|



| | |
|-------------|---|
| VAS1978/14A |  <p data-bbox="516 730 690 758">Hot Air Blower</p> |
| 3356 |  <p data-bbox="516 1184 591 1211">Roller</p> |

Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

- TSB 2054505, *60 Sunroof glass panel or sunroof rollershade do not operate.*
- TSB 2056944, *60 Water entry into cabin from the sunroof area.*

All parts and service references provided in this TSB (**2063187**) are subject to change and/or removal.

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