

---

# Creaking noise from fixed glass section of panoramic roof in area of rear passenger compartment grab handles

---

Topic number	LI77.21-P-072113
Version	1
Function group	77.21 - Panoramic roof
Date	08.12.2020
Validity	A) V167 (167.1) with code 413 up to and including production date March 2020 X167 (167.9) with code 413 up to and including production date March 2020 B) V167 (167.1) with code 413 up to and including production date December 2019 X167 (167.9) with code 413 up to and including production date December 2019
Reason for change	

---

## Complaint

Creaking noise may be heard while driving - especially on rough roads - from the area above the grab handles in the rear passenger compartment (between the B and C-pillar). Complaint is only noise related and does not relate to any insecurity in the glass or roof.

## Cause

Possible causes:

A) Relative movement of the contact areas from the "glass pane" to the "frame" of the fixed glass section at rear (see picture 1)

B) Ridging and uneven surface on the contact area from the threaded connection of "top sliding roof frame, front" to the "frame of fixed glass section, rear" (see picture 2)

Attachments	
File	Description
<a href="#">Bild1.jpg</a>	Picture 1
<a href="#">Bild2.jpg</a>	Picture 2

## Remedy

Exposure work to gain access to the source of the creaking noise (see picture 3):

1. Remove trim of crossbar (AR77.21-P-6920ME, operation step 8)
2. Remove front inner trim (AR77.21-P-6920ME, operation step 3)
3. Remove rear trim (AR77.21-P-6920ME, operation step 9)

State with trim removed (see picture 4)

Section A:A (see picture 5)

A) Operation step #1 (see picture 5):

Slide a paper or similar material between glass pane and rear top sliding roof frame and test for noise while the paper is in place.

- Creaking noise eliminated # Remove previously inserted paper/material and replace with felt strip or thin stone chipping protective film

- Creaking noise still present - perform operation step #2

B) Operation step #2 (see picture 5):

Remove screws and attach thin Teflon tape between front and rear top sliding roof frame. Tighten screws to 5.5 Nm.

<b>Attachments</b>	
File	Description
<a href="#">Bild3.jpg</a>	Picture 3
<a href="#">Bild4.jpg</a>	Picture 4
<a href="#">Bild5.jpg</a>	Picture 5

<b>WIS-References</b>		
Document number	Title	Note
AR77.21-P-6920ME	Remove/install trim on panoramic sliding roof	see operation step 8 for "1. Remove crossbar trim"; see operation step 3 for "2. Remove front inner trim"; see operation step 9 for "3. Remove rear trim"

<b>Symptoms</b>
Body > Roof system > Tilting/sliding sunroof system > Noise

<b>Operation numbers/damage codes</b>				
Op. no.	Operation text	Time	Damage code	Note
			78181**	Damage type "GC Noises on rough roads" not available for this damage location