

## Fraying Headliner Cords

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Topic number	LI77.30-P-070145
Version	1
Function group	77.30 Vario roof, soft top - complete
Date	08-15-2019
Validity	205 and 238 cabrios produced before June 2019
Reason for change	

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### Complaint:

Damaged cords on the soft top interior trim with the following characteristics:

- Cord snapped
- Cord worn
- Cord torn out
- Cord sheathing damaged

### Cause:

Possible high tensile stresses on the cords during the soft top sequence.

### Remedy:

#### 1.) Check which cord(s) is/are damaged:

If damage is found on one of the cords of the soft top interior trim, always replace the cords on the left and right in pairs.

If damage is found on one of the cords no. 3, 4 or 7 of the soft top interior trim, replace all the cords nos.3, 4 and 7 on the left and right as a preventive measure. See figure 4 for labelling of the cord.

This also applies to the new version of the soft top interior trim cords, no. 4 and no. 7 on the left and right.

#### 2.) Cut off the fastening rivets/eyelets:

See Fig. 6. - Illustrates a riveted fastening of the eyelet. Also see document AR68.30-p-4303-01lwr.

#### 3.) Press the clamping ring connection out of the receptacle in the soft top interior trim:

See Fig. 7. - Illustrates the receptacle/clamping ring of the soft top interior trim.

#### 4.) Cut/remove the clamping ring connection from the cord using side cutting pliers:

See Fig. 8. - Separating the clamping ring connection using side cutting pliers.

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5.) After removing the clamping ring connection, attach a makeshift thread to the end of the defective cord in order to route the new cord:

Pull the damaged cord through the duct, leaving the thread inside the duct to facilitate installation. Detach the thread from the damaged cord.

See Fig. 9. - Attaching the makeshift thread.

6.) Attach the makeshift thread to the end of the new cord. Carefully pull the cord through the duct and then remove the makeshift thread after pulling it through:

See Fig. 10. - Makeshift thread.

7.) Attach the clamping ring to the cord with pliers and leave the cord protruding by approx. 3 mm  $\pm$ 1. Crush the clamping ring to a thickness of 3.75 mm  $\pm$ 0.25:

See Fig. 11. Attaching/crushing the clamping ring.

8.) Press the clamping ring connection into the receptacle provided, and install the eyelet with the rivet in the intended position:

See Fig. 12. Receptacle for clamping ring connection/ soft top interior trim.

See Fig. 13. Positioning the rivet with eyelet - Example.

## Note:

Due to optimization measures, all new soft top interior trim parts are manufactured without the cord no. 3.

In series production and in repair cases, the cord no. 3 is no longer required. Therefore, in repair cases, it is only replaced if it is present in the vehicle.

## Further information on optimizations:

### - Adhesive tape guide for the cords no. 3 and no. 7:

Make sure that cords 3 and 7 are routed behind the adhesive tape. As a reference dimension, the adhesive tape should be positioned approx. 10 mm from the eyelet.

See Fig. 20.

### - Adhesive tape guide for the cord no. 7:

In vehicles where cord 7 is present, route only cord 7 behind the adhesive tape.

See Fig. 21.

### - Produce the adhesive tape guide:

If a new adhesive tape guide is required for routing the cords, the area where the cords are routed should be covered with a smaller piece of adhesive tape,

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to prevent the cords from sticking.

See Fig. 22.

- Old/new bellcrank end stop:

The repair kit also includes new end stops. Replace both sides on left and right.

See Fig. 23. - Old

See Fig. 24. - New

- New version of soft top interior trim:

With the new soft top interior trim, the cord no. 3 has been discontinued and the design line improved in the area of the C-pillar. Only new parts are available as replacements.

In vehicles produced prior to the change, which require a new soft top interior trim in repair cases, the tensioning strap is fastened

to the wiring harness with a small cord strap.

See Fig. 25.

See Fig. 26.

Attachments	
File	Description
Abb.1.jpg	Technical data of cords
Abb.2.jpg	Measure cord from center of eyelet
Abb.3.jpg	Cord with clamping ring
Abb.4.jpg	Illustration of the cords on the right roof lining
Abb.5.jpg	Color coding of the cords
Abb.6.jpg	Illustrates a riveted fastening of the eyelet
Abb.7.jpg	Illustrates the receptacle/ roof lining clamping ring
Abb.8.jpg	Separating the clamping ring connection using side cutting pliers
Abb.9.jpg	Attaching the makeshift thread
Abb.10.jpg	Makeshift thread
Abb.11.jpg	Attaching/crushing the clamping ring
Abb.12.jpg	Receptacle for clamping ring connection/ roof lining
Abb.13.jpg	Positioning the rivet with eyelet
Abb.20.JPG	Adhesive tape guide, cords 3, 7
Abb.21.JPG	Adhesive tape guide, cord 7
Abb.22.JPG	Producing the adhesive tape guide
Abb.23.JPG	Old bellcrank end stop
Abb.24.JPG	New bellcrank end stop
Abb.25.JPG	Attachment of tensioning strap (sail)

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Abb.26.JPG	Left rear tensioning strap (sail)
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Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 205 778 03 00			RS TRIM	1	Repair kit - Soft top interior trim	X
A 006 989 84 85	10		Adhesive tape	1	Cutting length per vehicle approx. 220 mm	X

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
02-1251	REPLACE TENSIONING CABLES ON SOFT TOP INTERIOR TRIM	23	77N06 07	Use the right-hand damage code for consistent cost settlement; left and right