

A 205 A238 - Replacement of Soft Top Cords on Interior Trim / Roof Liner

Topic number	LI77.30-P-070145
Version	3
Function group	77.30 - Vario roof, soft top - complete
Date	4/28/26
Validity	Affected model designations 2054**, 2384**
	Only vehicles up to production period 30.04.2020 can be affected
Reason for change	WIS document AR77.33-P-2500LWR replaces WIS document AR68.30-P-4303-01LWR

Complaint

Damaged cords/tensioning cables at the soft top interior trim with the following characteristics:

- Cord/tensioning cable torn
- Cord/tensioning cable worn
- Cord/tensioning cable torn out
- Cord/tensioning cable - sheathing damaged

Cause

High tensile stresses on the cords/tensioning cables during the soft top sequence

Remedy

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

- If damage is found on one of the cords/tensioning cables of the soft top interior trim, always replace the cords on the left and right as a pair.
- If damage is determined at one of the cords from among no. 3 (if present), no. 4 or no. 7 from the soft top interior trim, then preventively replace all cords/tensioning cables of no. 3 (if present), no. 4 and no. 7 on the left and right.
- This also applies to the new version of the soft top interior trim cords/tensioning cables for no. 4 and no. 7 (without cord/tensioning cable no. 3) on the left and right.

2.) Cut off the fastening rivets/eyelets:

- See Fig. 6 - Illustrates a riveted fastening of the eyelet. See also document AR77.33-P-2500LWR - Remove/install tensioning cables of the headliner.

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.

5.) After removing the clamping ring connection and for routing the new cord/tensioning cable:

- Briefly heat the end of the new cord/tensioning cable with a lighter or similar tool. This will strengthen the fibers at the front somewhat and slightly round them off,
- which will then make it easier to pull them through the duct with a cutting wire.
- See Fig 9. - Slightly heating the end of the cord/tensioning cable with a lighter or similar tool

6.) Attach auxiliary cutting wire (0.3 mm or 0.8 mm) at the end of the new cord/tensioning cable:

- Perforate/attach cutting wire approx. 5 mm from the end of the cord/tensioning cable.
- Bend the cutting wire into shape and position the cord/tensioning cable.
- See Fig. 10 – Auxiliary cutting wire.

7.) Pull the new cord/tensioning cable through the duct with the auxiliary cutting wire and, if necessary, with pliers:

- See Fig. 11 – Auxiliary cutting wire/pliers.

8.) Attach the clamping ring at the cord/tensioning cable with pliers and leave the cord/tensioning cable protruding by approx. 3 mm \pm 1. Crush the clamping ring to a thickness of 3.75 mm \pm 0.25:

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

Note/recommendation:

- To facilitate the work, the pull-off device/workshop equipment W 221 589 04 33 can also be used to crush the clamping ring or the cable lug.
- See Fig. 12A – Auxiliary tool/pull-off device.

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

- See Fig. 13 - Receptacle for clamping ring connection/soft top interior trim.
- See Fig. 14 - Positioning the rivet with eyelet - example.

Further information on optimizations:

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

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

All cords/tensioning cables currently used in series production and as replacement parts have a high resistance to abrasion.

- Tape guide for the cords no. 3 (if present) and no. 7:

- Make sure that cords/tensioning cables 3 (if present) and 7 are routed behind the tape. As a reference dimension, the tape should be positioned approx. 10 mm from the guide eyelet.
- See Fig. 20.

- Adhesive tape guide for the cord no. 7:

- On vehicles on which the cord/tensioning cable no. 7 is present, guide the cord/tensioning cable no. 7 behind the tape.
- See Fig. 21.

- Creation of tape guide where necessary:

- If a new tape is required for routing the cords, the area where the cords are routed should be covered with a smaller piece of tape.
- This will prevent the cords from sticking.
- See Fig. 22.

- Old/new bellcrank end stop:

- The repair kit (RS) also includes new end stops. Replace both sides on left and right.
- See Fig. 23 - New
- See Fig. 24 - Old

- New version of soft top interior trim with design line:

XENTRY Tips

- With the new soft top interior trim, not only has the cord/tensioning cable no. 3 been discontinued, but the design line has also been improved in the area of the C-pillar. We are now only continuing to supply the new version with tensioning strap as replacement parts!
 - On vehicles that were produced before the change status and are missing the attachment points at the soft top kinematics for the connection from the tensioning strap, the tensioning straps in the repair case are attached with additional small cable ties, in each case with one cable tie per side directly at the wiring harness.
 - The plastic expansion rivets that are supplied in the repair kit (RS) can be used on existing attachment points on the vehicle.
 - See Fig. 25.
 - See Fig. 26.
- Introduction of the replacement parts guide rails on 01.05.2020 in the soft top kinematics:
- In order to ensure that the soft top trim/roof liner does not get pinched in the soft top kinematics or damaged in the process, it is necessary to glue in the guide rails at the left and right.
 - See Fig. 27.
- Glue the guide rails into the soft top kinematics at the left and right
- Open the soft top until the area shown is accessible.
 - See Fig. 28.
- Carefully clean the surface at the left and right of the soft top with cleaning agent
- See Fig. 29.
- Prepare two-component adhesive and glue in guide rails
- Adhesive no. 0893 500 4 from Würth must be used for this.
 - Pay attention to the amount of adhesive used, in order to ensure that only a small amount of adhesive is pushed out when the guide rails are attached.
 - Once the adhesive has been applied, immediately attach the guide rails. Close the soft top and hold it closed until the adhesive has cured.
 - Make sure you are aware of the curing time required for the adhesive that is used.
 - Picture 31 shows a guide rail that has been attached with adhesive on the right-hand side of the vehicle.
 - See Fig. 30.
 - See Fig. 31.

Attachments		
File	Description	
Abb.1.jpg	Technical data of cords	
Nummer der Kordel Cord number	Farbkennzeichen Colour mark	Länge in mm Length in mm
1	Rot/ Red	294±2
2	Gelb/ Yellow	413±2
3	Silber/ Silver	538±2
4	Braun/ Brown	493±2
5	Grün/Rot Green/ Red	894±2
6	Blau/ Gelb Blue/ Yellow	700±2
7	Blau/ Blue	408±2
8	Grün/ Green	402±2

Abb.2.jpg



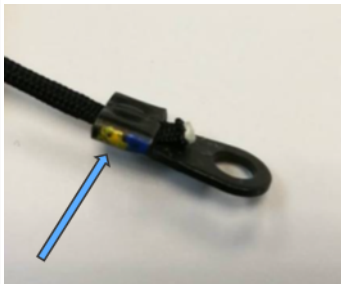
Measure cord from center of eyelet

Abb.3.jpg



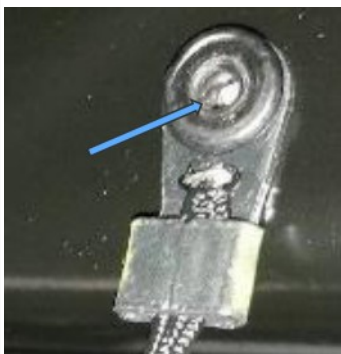
Cord with clamping ring

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

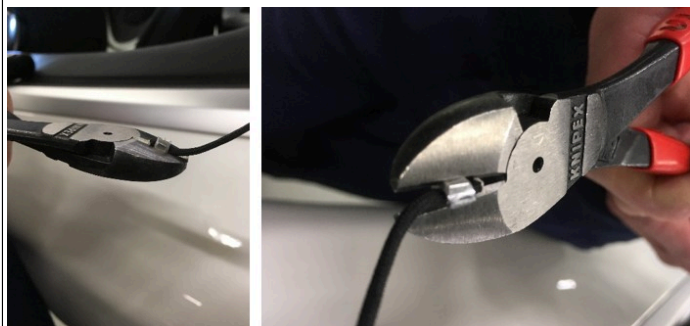


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Abb.10.jpg

XENTRY Tips

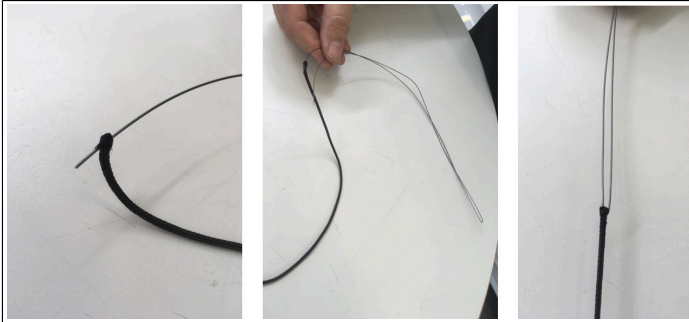


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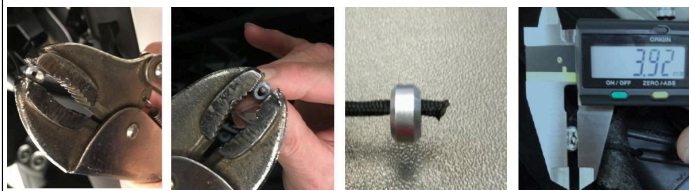


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Abb.13.jpg



Abb.14.jpg



Abb.20.JPG

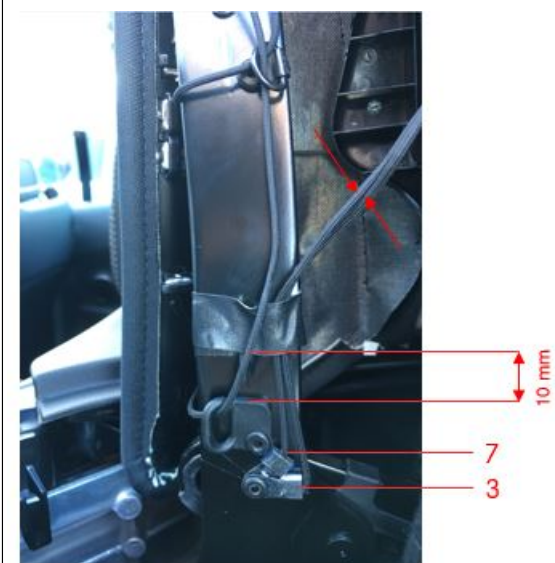


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Abb.23.JPG

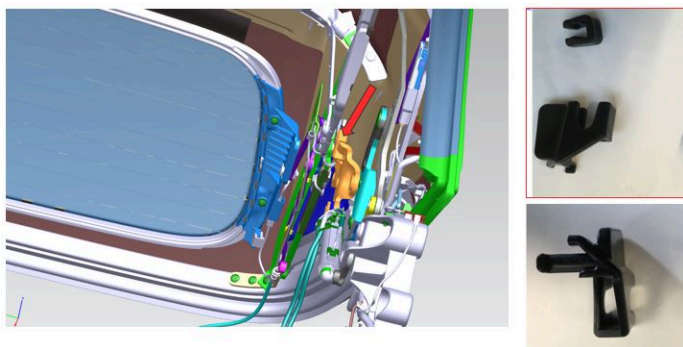


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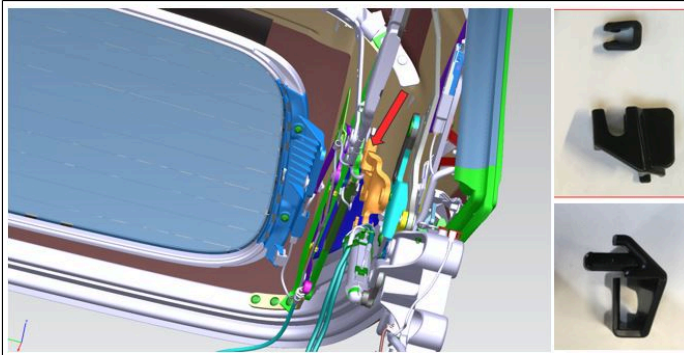


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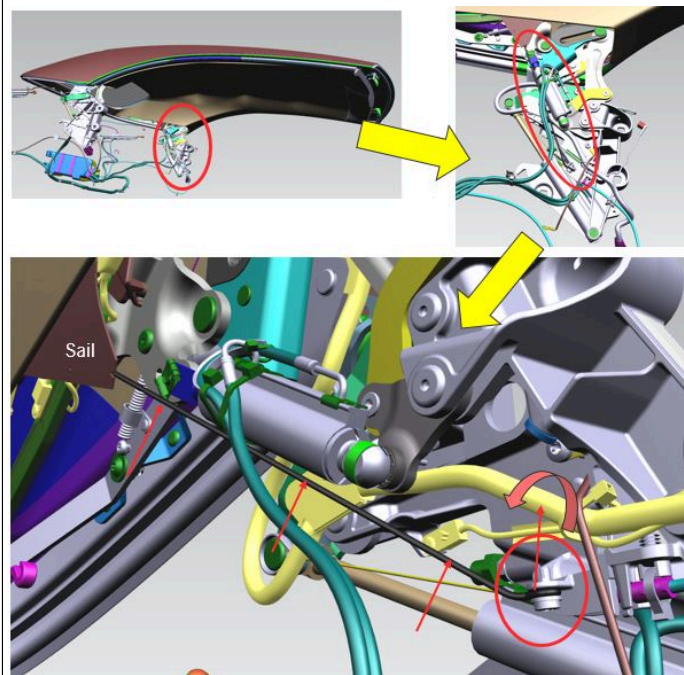


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Abb.27.JPG

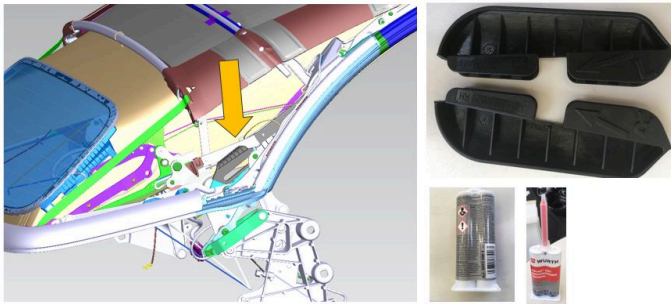


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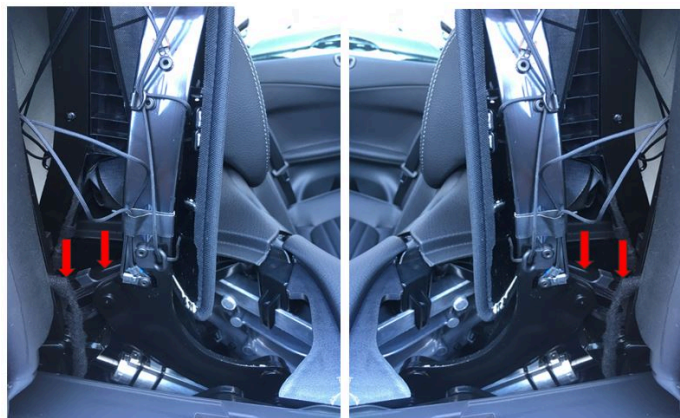


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Abb.31.JPG

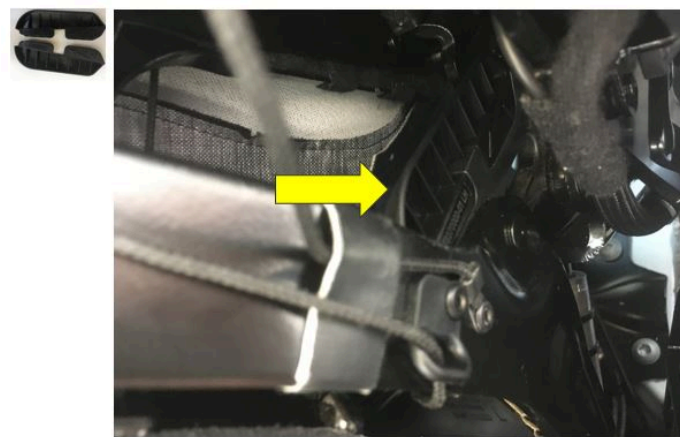
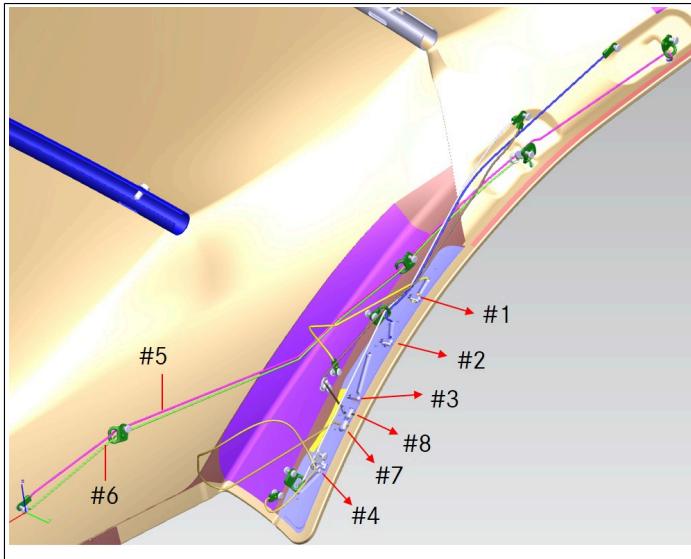


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Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

Symptoms

Body > Roof system > Convertible top/vario roof > Chafing/paint damage

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A0069898485	10		Adhesive tape	1	Cutting length per vehicle approx. 220 mm	X
A2057703500			RS guide rails	1 (Satz)	Are glued into the soft top kinematics with two-component adhesive	X
A2057780500			RS TRIM	1	Replaces part number A2057780300	X
0893 500 4			Würth Replast Easy	Geringe Menge p. Applik.	Würth product art. 0893 500 4	

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
021251	REPLACE TENSIONING CABLES ON SOFT TOP INTERIOR TRIM	60.0 AW	77N0607	Use the right-hand damage code for consistent cost settlement; left and right

