
Noises from backrest frame

Topic number	LI91.10-P-048497
Version	2
Design group	91.10 Front seats
Date	07-12-2014
Validity	203, 209, 211, 219 Restriction is given in the plain text.
Reason for change	Damage code updated Remedy revised
Reason for block	

Complaint:

Noise complaints when load on backrest frame changes.

Affects the driver and front passenger seats.

Also perform the remedial action if you are performing work on:

- backrest frame
- backrest cover or
- guide rail of head restraint.

If the backrest frame is exposed as a result, the actions must always be performed in order to avoid follow-up repairs.

Attachments	
File	Description
Lordosekorb_1.pdf	Figure 1
Leichte_Beschädigung.pdf	Figure 2
Starke_Beschädigung.pdf	Figure 3

Cause:

1. Affects all vehicle (see picture 1,2,3).

1. At low temperatures (- C°), natural vibrations of the lumbar basket can result in damage to the guide wire when a person sits down in the seat.

2. Only affects vehicles produced up to 09/05 (see picture 4).

2. The Pulmaflex mat rubs on the attachment points on the backrest frame

(2 attachment points on the right and 2 on the left).

3. Affects model series CL203 and 209 (see picture 5,6)

Relative movement can produce noise problems at the bottom of the backrest.

4. Affects all vehicles of model series 211 and 219 (see picture 7)

Noises may occur in the backrest under load due to the incorrect positioning of the circlip.

Remedy:

Note: If one of the complaints is present, always perform the other measure too (i.e. measure 1, 2, 3 and 4), irrespective of whether they were the subject of the customer complaint. The aim is to ensure that the customer does not return to the workshop again with complaints about noise from the seat.

Take the restrictions (e.g. model series, production date) into consideration and perform the appropriate measures. Measures are to be performed with the seat installed.

1. Proceed as follows (see point 1. Affects all vehicles):

- Reproduce noise caused when a person sits in seat at low temperatures.
- Remove seat-back lining and check whether guide wires are damaged at points where they intersect with lumbar basket (on both right and left side). (Figure 1- Lordosenkorb 1.pdf.)
- If guide wire is slightly damaged (picture 2 - Leichte Beschädigung.pdf), damaged area must be coated with following agent: Krytox (A0009895051)
- If guide wire is seriously damaged (Figure 3- Starke Beschädigung.pdf), the damaged areas on the Pulmaflex mat must be rubbed down with emery cloth, wrapped with Coroplast tape (commercially available plastic adhesive tape) and coated with Krytox (A0009895051).

2. Then also perform step 2 for all vehicles produced up to 09/05 (see AR91.10-P-3332T):

- Detach backrest lining (already detached in step 1)
- Remove sidebag unit
- Detach Pulmaflex mat from attachment points on backrest frame
- Attach one piece of felt to each attachment point (2 on the right and 2 on the left)

The exact positions are the points marked in red in the illustration "Felting of backrest frame".

The felt must be treated with Krytox (A0009895051) beforehand.

- After applying the felt pieces, reattach the Pulmaflex mat.

Object number of felt to be used: A0019835110

Dimensions: 25 mm wide and 2 mm thick.

3. For model series CL203 and 209, also perform the following measures:

- Seat-back lining still removed (see picture 5). The seat is in installed position in the vehicle.
- Detach covering and spray the rivets (see picture 6) in area between side section of frame and crossmember with agent A002 989 06 51.

4. The following measure must be implemented on all vehicles of model series 211 and 219:

Check the alignment of the circlip on the head restraint guide sleeve and correct it if necessary as shown in Figure 7 "Position of circlip".

After reattaching the cover and the seat-back lining, sit in the seat to check whether the noises are produced.

Attachments	
File	Description
Filzen Lehnrahmen.pdf	Picture 4: Positions of points to be felted. Apply felt to the points marked by the red arrow.
Rahmenseitenteil und Quertraverse.pdf	Figure 6
Position Sicherungsring.pdf	Figure 7
Spannteil lösen.pdf	Figure 5

Symptoms
Body / Seat / Seat noises / Cracking
Body / Seat / Seat noises / Grunting
Body / Seat / Seat cover / Chafed through
Body / Seat / Seat cover / Pilling/knots
Body / Seat / Seat noises / Creaking

Parts							
Part number	ES1	ES2	Designation	Quantity	Note	EPC	Other make part
A 001 983 23 10			Felt roll	1		X	
A 001 989 36 60			Krytox	1		X	
A 000 989 36 60			Krytox	1	Instead of Krytox with the object number A0019895051, that with the object number A0019893660 can also be used.	X	
A 002 989 06 51			Lock cylinder grease, spray	1	Can be found in the noise kit A 000 560 03 50.	X	
A 002 989 06 51			Enter description here	1		X	

Work units				
Op. no.	Operation text	Time	Damage code	Note
			91A15 36	Left front seat backrest cover
			91N15 36	Right front seat backrest cover
			91A33 36	Left front seat head restraint guide
			91N33 36	Right front seat head restraint guide
			91N41 36	Right front seat backrest frame
			91A41 36	Left front seat backrest frame

WIS-References			
Document number	Title	Note	Allocation
AR91.10-P-3332T	Apply felt strip to attachment points on front seat backrest frame		Remedy

Validity		
Vehicle	Engine	Transmission
203.004	*	*
203.006	*	*
203.007	*	*
203.008	*	*
203.016	*	*
203.018	*	*
203.020	*	*
203.035	*	*
203.040	*	*
203.042	*	*
203.043	*	*
203.045	*	*
203.046	*	*
203.052	*	*
203.054	*	*
203.056	*	*
203.061	*	*
203.064	*	*
203.065	*	*
203.076	*	*
203.081	*	*
203.084	*	*
203.087	*	*
203.092	*	*
203.204	*	*
203.206	*	*
203.207	*	*
203.208	*	*
203.216	*	*
203.218	*	*
203.220	*	*
203.235	*	*
203.240	*	*
203.242	*	*

203.243	*	*
203.245	*	*
203.246	*	*
203.252	*	*
203.254	*	*
203.256	*	*
203.261	*	*
203.264	*	*
203.265	*	*
203.276	*	*
203.281	*	*
203.284	*	*
203.287	*	*
203.292	*	*
203.706	*	*
203.707	*	*
203.708	*	*
203.718	*	*
203.735	*	*
203.740	*	*
203.741	*	*
203.742	*	*
203.743	*	*
203.745	*	*
203.746	*	*
203.747	*	*
203.752	*	*
203.756	*	*
203.764	*	*
CLK (209)	*	*
CLS (219)	*	*
E (211)	*	*

Full model designation breakdown		
Vehicle	Engine	Transmission
203.004	611.962	716.601
203.004	611.962	716.603
203.004	611.962	716.604
203.004	611.962	722.619
203.004	611.962	722.699
203.006	611.962	716.640
203.006	611.962	716.647

203.006	611.962	716.651
203.006	611.962	722.699
203.007	646.962	716.604
203.007	646.962	716.606
203.007	646.962	722.699
203.007	646.963	716.604
203.007	646.963	716.606
203.007	646.963	722.699
203.008	646.963	716.649
203.008	646.963	716.654
203.008	646.963	722.699
203.016	612.962	716.641
203.016	612.962	716.648
203.016	612.962	716.649
203.016	612.962	716.654
203.016	612.962	722.634
203.016	612.962	722.640
203.018	612.990	722.642
203.020	642.910	716.653
203.020	642.910	722.902
203.035	111.951	716.620
203.035	111.951	716.633
203.035	111.951	722.602
203.035	111.951	722.615
203.040	271.948	716.628
203.040	271.948	716.631
203.040	271.948	722.695
203.042	271.940	716.605
203.042	271.940	716.628
203.042	271.940	716.631
203.042	271.940	722.695
203.043	271.942	716.628
203.043	271.942	716.631
203.043	271.942	722.695
203.045	111.955	716.622
203.045	111.955	716.630
203.045	111.955	722.616
203.046	271.946	716.605
203.046	271.946	716.628
203.046	271.946	716.631
203.046	271.946	722.695
203.052	272.920	716.638
203.052	272.920	722.998

203.054	272.940	716.669
203.054	272.940	722.999
203.056	272.960	716.664
203.056	272.960	722.906
203.061	112.912	716.623
203.061	112.912	716.634
203.061	112.912	716.638
203.061	112.912	722.696
203.064	112.946	716.667
203.064	112.946	716.669
203.064	112.946	722.618
203.065	112.961	722.633
203.065	112.961	722.641
203.076	113.988	722.636
203.081	112.916	722.667
203.084	112.953	722.668
203.087	272.970	722.676
203.092	272.941	722.690
203.204	611.962	716.601
203.204	611.962	716.603
203.204	611.962	716.604
203.204	611.962	722.619
203.204	611.962	722.699
203.206	611.962	716.640
203.206	611.962	716.647
203.206	611.962	716.651
203.206	611.962	722.699
203.207	646.962	716.604
203.207	646.962	716.606
203.207	646.962	722.699
203.207	646.963	716.604
203.207	646.963	716.606
203.207	646.963	722.699
203.208	646.963	716.649
203.208	646.963	716.654
203.208	646.963	722.699
203.216	612.962	716.641
203.216	612.962	716.648
203.216	612.962	716.649
203.216	612.962	716.654
203.216	612.962	722.634
203.216	612.962	722.640
203.218	612.990	722.642

203.220	642.910	716.653
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203.235	111.951	722.602
203.235	111.951	722.615
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203.707	646.962	716.604
203.707	646.962	716.606
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203.707	646.963	711.655
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203.708	646.963	716.654
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203.735	111.951	716.633
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203.756	272.960	722.906
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209.316	612.967	716.654
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209.354	272.940	722.999
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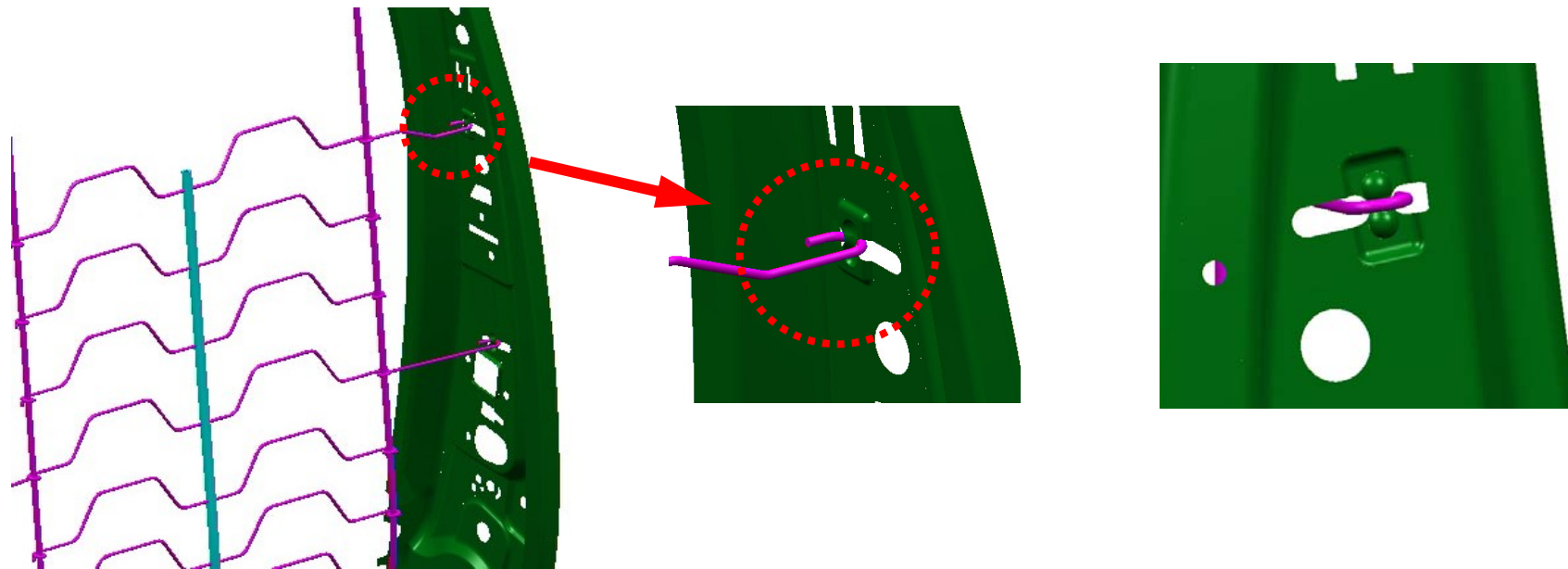
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211.007	646.820	716.654
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211.016	647.961	716.649
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211.016	647.961	722.640
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211.020	642.920	716.653
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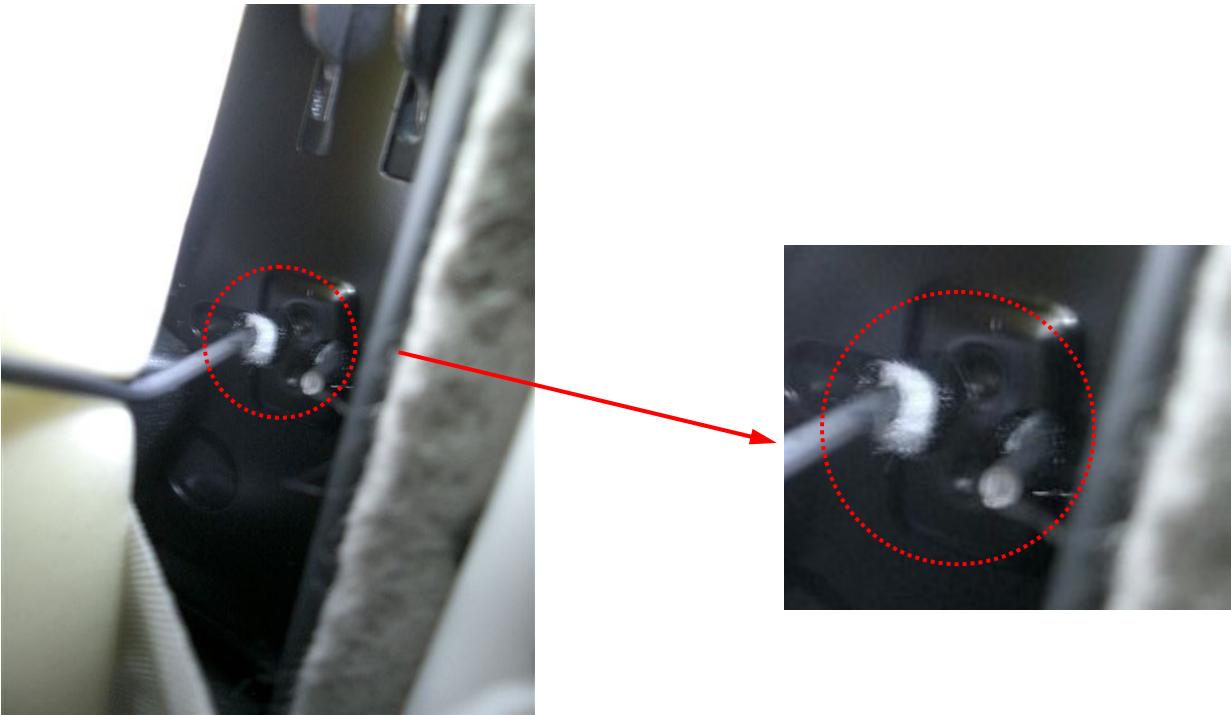
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211.090	273.962	722.677
211.092	272.944	716.665
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211.220	642.920	716.646
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211.222	642.920	722.902
211.223	648.961	722.640
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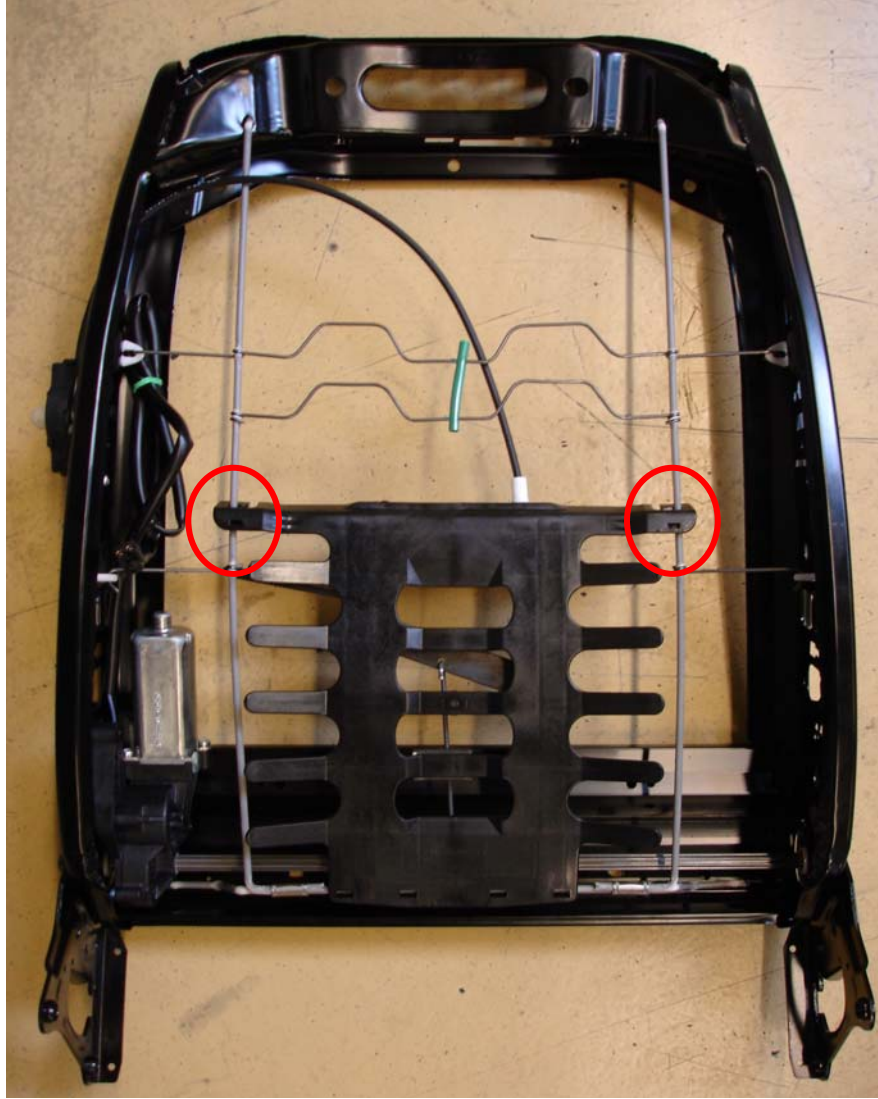
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211.254	272.943	716.669
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211.256	272.964	716.666
211.256	272.964	722.906
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211.257	272.985	716.666
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211.265	112.949	722.618
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211.282	112.954	722.668
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211.284	642.921	722.689
211.287	272.972	716.665
211.287	272.972	716.666
211.287	272.972	722.676
211.289	642.921	722.689
211.290	273.962	722.677
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211.292	272.944	716.666
211.292	272.944	722.690
211.606	646.961	722.699
211.608	646.821	722.640
211.616	647.961	722.640
211.620	642.920	722.902
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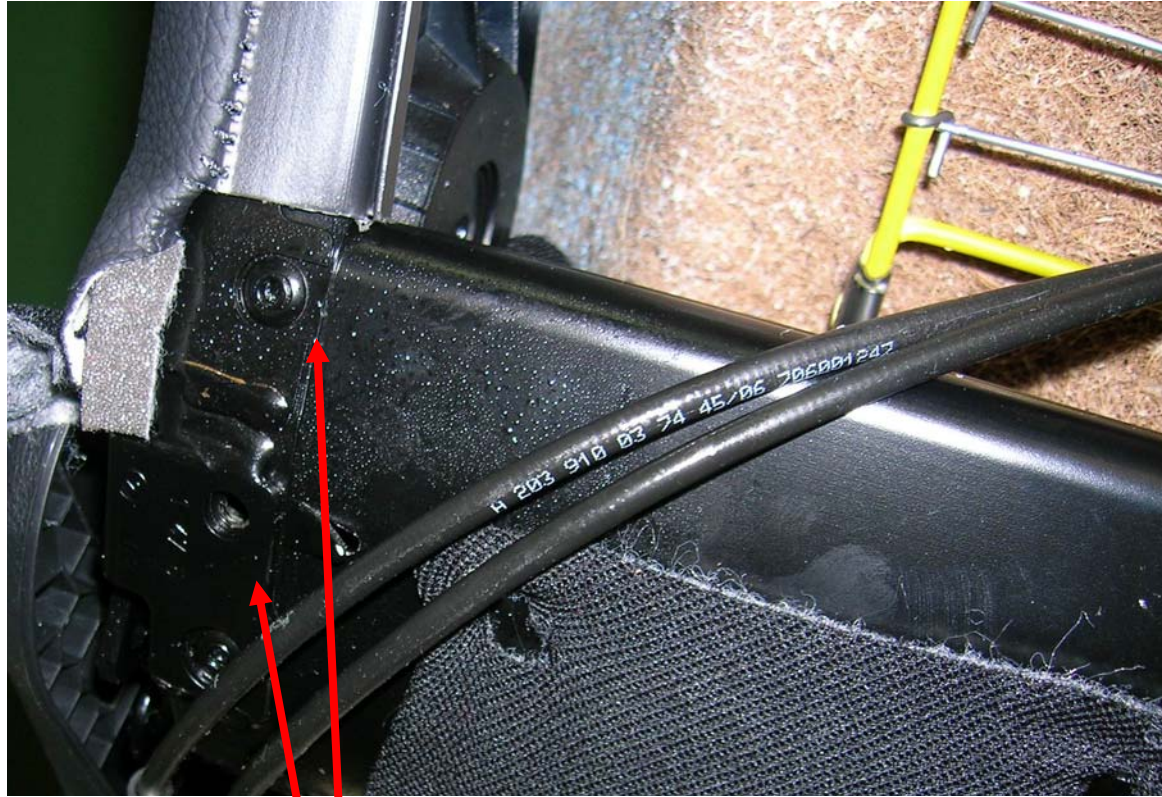
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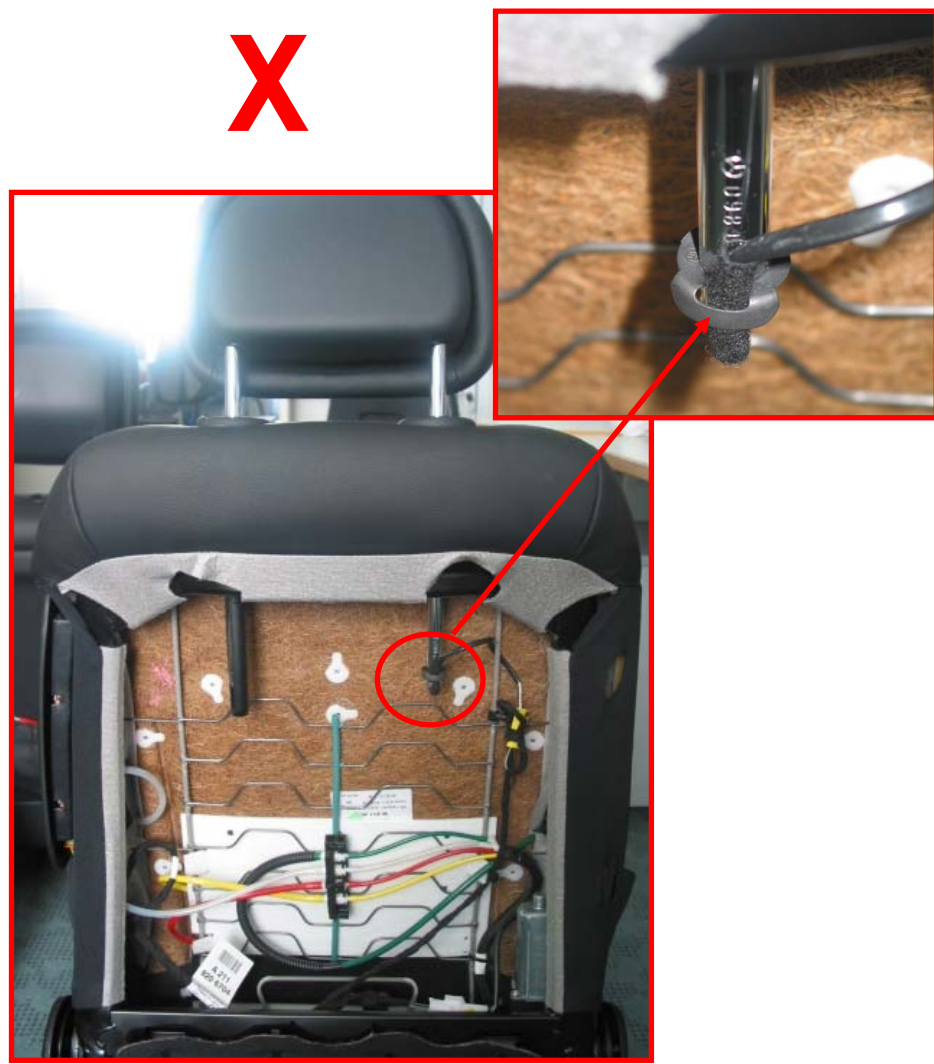






Falsch/ Wrong

X



Richtig/Right







