

## Pop-up roof (ASD) reverses direction intermittently (from the tilt position) when closing

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Topic number	LI77.21-P-066975
Version	1
Function group	77.21 Panoramic roof
Date	08-31-2017
Validity	BR C117 with ASD (SA code 413) up to VIN 117N574350
Reason for change	
Reason for block	

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### Complaint:

The pop-up roof (panoramic roof, external tilting/sliding roof) intermittently reverses direction when closing from the tilt position.

The reversing sequence usually starts from two critical positions (see picture 1):

- 360 position

- 180 position (with the roof almost closed, the distinction between closed and almost closed is very difficult or impossible to see with the naked eye)

Attachments	
File	Description
Bild 1_roof positions_eng.jpg	Picture 1

### Cause:

The force at the moment arm of the roof at the 180 and 360 positions can be higher, causing a false activation of the pinch-protection

### Remedy:

The permanent repair for vehicles with production date up to and including 05.04.2015 is:

Replacement of the left and right guide rails/roof mechanisms, in combination with

commissioning of control unit A98 (Panoramic sliding sunroof, PSD) to update the software/SCN coding:

- C117: A 176 902 25 00 (available as of DVD12/17, available with DVD07/17 via addon 8078 and with DVD09/17 via addon 8079)

The permanent repair for vehicles with production date as of 06.04.2015 is:

Commissioning of control unit A98 (Panoramic sliding sunroof, PSD) to update the software/SCN coding:

- C117: A 176 902 25 00 (available as of DVD12/17, available with DVD07/17 via addon 8078 and with DVD09/17 via addon 8079)

### Symptoms

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# XENTRY TIPS

Body / Roof system / Tilting/sliding sunroof system / Does not close

## Control unit/fault code

Control unit	Fault code	Fault text
A98 - Control module 'Panoramic sliding roof' (PSD) (TSSR176)	-	-

## Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 117 780 13 00			Left roof mechanism	1		X
A 117 780 14 00			Right roof mechanism	1		X

## Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
			8201D T9	
54-0650	12V			
54-1011	QUICK TEST			
54-0991	SOFTWARE			
77-7002	GUIDE RAILS (BOTH)			
77-1248	TEACH IN			

## WIS-References

Document number	Title	Note	Allocation
AR77.21-P-0430NKA	Remove/install panoramic roof drive unit guide rail		Remedy

## Attachments

Bild 1\_roof positions\_ eng.jpg:

