

XENTRY

## Blind Spot Assist inoperative

Topic number	L154.71-P-060282
Version	1
Design group	54.71 Lane assist
Date	11-20-2014
Validity	Model series 164 with code 234 (Blind Spot Assist):
Reason for change	
Reason for block	

### Complaint:

Blind Spot Assist inoperative.

### Cause:

Moisture.

### Notes on diagnosis:

- Disruptions on the engine compartment CAN (CAN C) are possible.
- In control units on the CAN C, CAN communication errors may be logged with the rear short-range radar sensors (IRS-HLA B29/4 and IRS-HRA B29/5 control units).
- Diagnostic communications with control units on the CAN C may not be possible.

### Remedy:

1. Remove rear bumper.
2. Remove rear short-range radar sensors, check connector/contact for corrosion and repair if necessary.
3. Make additional holes or cutouts in the brackets for the rear short-range radar sensors (attachment:"Zuschnitt Halter W/X164.pdf").
4. Install short-range radar sensors (see parts ordering note).
5. Install covers on both brackets of the short-range radar sensors (attachment:"Zuschnitt Abdeckung und Montagehinweise.pdf").
6. Install rear bumper.

Attachments	
File	Description
Zuschnitt Halter W164.pdf	<p>W164, reworking brackets of rear short-range radar sensors (shown on left bracket)</p> <p>A - Overview of lateral support brackets for rear bumper with bracket for short-range radar sensor.</p> <p>B - Scribe and cut out marked areas according to dimensions specified. Deburr cut edges.</p> <p>C - Reworked bracket.</p> <p>Note: Rework the right bracket in the same way in mirror image.</p>
Zuschnitt Halter X164.pdf	X164, reworking brackets of short-range radar sensors (shown on left bracket)

	<p>A - Overview of lateral support brackets for rear bumper with bracket for short-range radar sensor.</p> <p>B - Scribe and cut out marked areas according to dimensions specified. Deburr cut edges.</p> <p>C - Reworked bracket.</p> <p>Note: Rework the right bracket in the same way in mirror image.</p>
Zuschnitt Abdeckung und Montagehinweise.pdf	<p>Two plates are required per vehicle!1.) Make cover plate from A166 691 03 08 as follows:</p> <p>a.) Cut out plate to the dimensions described.</p> <p>b.) Remove the rib (yellow area).</p> <p>c.) Drill two holes (plate symmetrical!).</p> <p>2.) To ensure that the cover plate lies flat, the two approx. 0.8 mm high stiffening ribs of the catch hook on the bracket (right/left) must be removed using a file.</p> <p>3.) Fasten plate in bracket with two blind rivets.</p>

<b>Symptoms</b>
Overall vehicle / Networking / CAN/FlexRay communication / Malfunction
Overall vehicle / Networking / Diagnosis/software / Not diagnosable
Communication/information / Warning and control system / Blind spot assist / No display
Communication/information / Warning and control system / Blind spot assist / Display without obvious cause
Communication/information / Warning and control system / Blind spot assist / Warning message in instrument cluster
Communication/information / Warning and control system / Blind spot assist / Nonfunctional

<b>Parts</b>						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 000 905 02 10			Radar sensor	2	For model series 164/166/204 with code 234 (Blind Spot Assist) Q-status >9	X
N 910001 004105			Aluminum blind rivets	4		X
A 166 691 03 08			Cover	2		X

<b>Work units</b>				
Op. no.	Operation text	Time	Damage code	Note
54-1975	REPLACE REAR SENSOR UNIT OF BLIND SPOT ASSIST, QUANTITY:..... (BUMPER REMOVED)		54H13 72	
88-8802	REMOVE/INSTALL REAR BUMPER COMPLETE		54H13 72	

<b>WIS-References</b>
-----------------------



# XENTRY

Document number	Title	Note	Allocation
AR88.20-P-2200GZ	Remove/install rear bumper	Model series 164	Remedy

Validity		
Vehicle	Engine	Transmission
GL (164)	*	*
M (164)	*	*

Full model designation breakdown		
Vehicle	Engine	Transmission
164.120	642.940	722.902
164.121	642.820	722.902
164.122	642.940	722.902
164.124	642.820	722.902
164.125	642.820	722.902
164.128	629.912	722.903
164.156	272.967	722.906
164.172	273.963	722.904
164.175	113.964	722.901
164.177	156.980	722.907
164.182	272.945	722.999
164.186	272.967	722.906
164.195	272.973	722.550
164.822	642.940	722.902
164.823	642.822	722.903
164.824	642.820	722.902
164.825	642.820	722.902
164.828	629.912	722.903
164.871	273.923	722.904
164.886	273.963	722.904