
Blind Spot Assist inoperative

Topic number	LI54.71-P-056477
Version	7
Design group	54.71 Lane assist
Date	07-02-2015
Validity	Model series 166 with code 234 (Blind Spot Assist) or code 237 (Active Blind Spot Assist) Model series 204 with code 234 (Blind Spot Assist) or code 237 (Active Blind Spot Assist) Model series 212 with code 234 (Blind Spot Assist) or code 237 (Active Blind Spot Assist) and code 800 or code 801 or code 802 Model series 218 with code 234 (Blind Spot Assist) or code 237 (Active Blind Spot Assist) and code 800 or code 801 or code 802
Reason for change	Damage code added

Complaint:

Blind Spot Assist inoperative.

Cause:

Moisture.

Notes on diagnosis:

Model series 166/204 with code 234 (Blind Spot Assist):

- Malfunctions 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.

Model series 212/218 up to code 800 (Model year 2010) with code 234 (Blind Spot Assist):

- Malfunctions on the sensor CAN (CAN S) are possible
- In the radar sensors control unit (N62/1), CAN communication errors may be logged with the rear short-range radar sensors (B29/6 and B29/7).
- Communications with control units on the CAN S may not be possible.

Model series 212/218 as of code 801 (Model year 2011) with code 234 (Blind Spot Assist):

- Malfunctions on the front end CAN (CAN G) are possible
- Control units on the CAN G may exhibit CAN communication errors 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 G may not be possible.

Model series 166/204/212/218 with code 237 (Active Blind Spot Assist):

- Malfunctions on the sensor CAN (CAN S) are possible
- In the video and radar sensor system control unit (N62/2), CAN communication errors may be logged with the rear short-range radar sensors (B29/6 and B29/7).
- Communications with control units on the CAN S 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.
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3. Make additional holes or cutouts in the brackets for the rear short-range radar sensors (see attachments with examples).
4. Install short-range radar sensors (see parts ordering note).
5. Install rear bumper.

Attachments	
File	Description
Bohrungen Halter 212.pdf	<p>Model series 212, reworking brackets of rear short-range radar sensors (shown on left bracket)</p> <p>A - Left bracket in rear bumper</p> <p>B - Drill holes with diameter of 6 mm in the marked areas and deburr. 1 - 2 holes in this area. 2 - NO holes in the area of the flange. 3 - 5 holes in this area. 4 - NO holes in the area of the flange. 5 - 2 holes in this area.</p> <p>C - Reworked bracket.</p> <p>Note: Rework the right bracket in the same way.</p>
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	<p>X164, reworking brackets of 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>

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC

A 000 905 02 10			Radar sensor	2	For model series 166/204 with code 234 (Blind Spot Assist) For model series 212 with code 234 (Blind Spot Assist) and code 801 or code 802 (Model year 2011) Q-status >9	X
A 000 905 01 10			Radar sensor	2	For model series 166/204/212 with code 237 (Active Blind Spot Assist) and code 800 or code 801 or code 802 For model series 212 with code 234 (Active Blind Spot Assist) and code 800 Q-status >9	X

Work units				
Op. no.	Operation text	Time	Damage code	Note
			54H13 73	Left rear radar sensor
			54W13 73	Right rear radar sensor

WIS-References			
Document number	Title	Note	Allocation
AR54.71-P-0100EW	Remove/install sensors for Blind Spot Assist	Model series 212	Remedy
AR88.20-P-2200EW	Remove/install rear bumper	Model series 212	Remedy