

## Model series 223 with code 96B - static noise from speakers while driving

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Topic number	LI82.62-P-076176
Version	1
Function group	82.62 - Loudspeakers, amplifiers, antennas
Date	4/11/23
Validity	Model series 223 with code 96B
Reason for change	

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### Complaint

Static noises from speakers while driving (see video labeled example of noise).

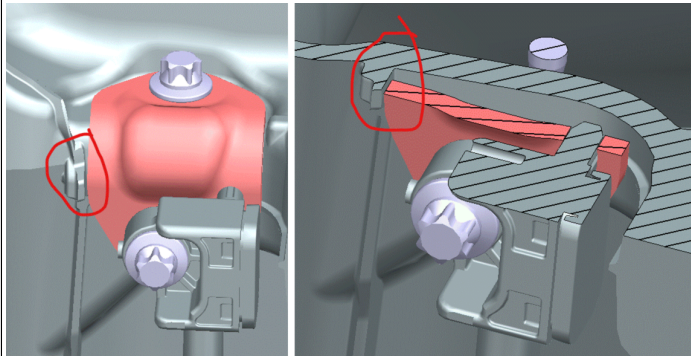
Static noise is no longer present after opening a window (slightly) or when sliding sunroof is in tilt position.

Attachments	
File	Description
<a href="#">Noise+Video+1.mp4</a>	Example of noise

### Cause

A total of 4 sensors are installed at the axle housings for the "Active driving noise compensation" function. These record driving noise and transfer them to control unit N156/1 - Active driving sound compensation (ASX7) as electrical pulses.

The angle bracket of the sensor may come into contact with the longitudinal member of the body. As a result, unintended vibration may be transferred via the bracket to the sensor. The control unit interprets this as driving noise and tries to compensate, causing noise in the speakers.

Attachments	
File	Description
<a href="#">RNC.PNG</a>	Sensor Bracket
	

# XENTRY TIPS

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## Remedy

Check assembly of sensors particularly, the brackets, and ensure that they do not come into contact with the body.

If this does not remedy the problem, please create a TIPS case.

NOTE: There may be no mechanical forces on the sensor as there may be a danger of damage.

Symptoms
Communication/information > Entertainment > Audio/Sound > Speakers emit interference noise

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			820CM	Please refer to this LI document for warranty