

## "Squeaking/honking noise" from area of front axle during strong suspension jounce or rebound.

Topic number	LI32.22-P-055559
Version	1
Design group	32.22 Air suspension
Date	02-11-2013
Validity	166 0## ## 011163 up to 166 0## ## 097930 166 8## ## 058389 up to 166 8## ## 098001 Only valid for vehicles with Airmatic suspension with ADS (SA code 214)
Reason for change	
Reason for block	

**Complaint:**

"Squeaking/honking noise" from the front axle during strong suspension jounce or rebound, such as when driving over large road bumps or curbstones.

Attachments	
File	Designation
noise.mp3	Squeaking/honking noise

**Cause:**

The noise is produced by the oil stream in the front axle damper flowing past the valve parts of the proportional valve (ADS module).

**Remedy:**

Replacement of suspension strut causing the noise.

Symptoms
Chassis/suspension / Suspension/Dampening / Suspension system noises / Whistling and hissing noises
Chassis/suspension / Suspension/Dampening / AIRMATIC / AIRMATIC noise / Whistling/hissing/flowing
Chassis/suspension / Chassis, noises / Whistling
Chassis/suspension / Chassis, noises / Howling/whistling/squeaking

Parts							
Part number	ES1	ES2	Designation	Quantity	Note	EPC	Other make part
A 166 320 14 13			Right air suspension strut (166.0##)	1	Only replace the problem suspension strut	X	

A 166 320 13 13		Left air suspension strut (166.0##)	1	Only replace the problem suspension strut	X	
A 166 320 68 13		Right air suspension strut (166.8##)	1	Only replace the problem suspension strut	X	
A 166 320 67 13		Left air suspension strut (166.8##)	1	Only replace the problem suspension strut	X	

WIS-References			
Document number	Title	Note	Allocation
AR32.25-P-1017GQ	Remove/install front suspension strut	Valid for W166 and X166	Remedy

Validity		
Vehicle	Engine	Transmission
GL (166)	*	*
M (166)	*	*

Full model designation breakdown		
Vehicle	Engine	Transmission
166.003	651.960	722.908
166.004	651.960	722.908
166.023	642.826	722.903
166.023	642.826	725.031
166.024	642.826	722.903
166.024	642.826	725.031
166.055	276.955	722.906
166.057	276.955	722.906
166.058	276.955	722.906
166.073	278.928	722.909
166.073	278.928	725.031
166.073	278.928	725.032
166.074	157.982	722.905
166.074	157.982	722.931
166.823	642.826	722.903
166.823	642.826	725.031
166.824	642.826	722.903
166.824	642.826	725.031
166.872	278.928	722.909
166.872	278.928	725.031
166.872	278.928	725.032
166.873	278.928	722.909

# XENTRY

166.873	278.928	725.031
166.873	278.928	725.032
166.874	157.982	722.905
166.874	157.982	722.931