

Whistling noises from area of front axle or rear axle

Topic number	LI32.50-P-051125
Version	1
Design group	32.50 Active body control (ABC)
Date	01-19-2011
Validity	Model 216.37# Model 221 - with CODE (487) Active Body Control (ABC); - not 4MATIC or HYBRID (221.#8# / 221.#9#)
Reason for change	Remedy revised / Supersedes DTB P-B-32.50/71

Complaint:

Whistling noises from the area of the front axle or rear axle. The noise can be most clearly heard while idling at the front axle ABC valve unit (valve block) or the rear axle ABC valve unit (valve block).

Please be sure to refer to the attached sound file.

Attachments	
File	Designation
Gerauschk ABC Ventilblock VA Typ 221.MP3	Noise from front axle ABC valve block on models 216, 221

Cause:

Noise is caused by the internal pressure limiting valve in the front axle ABC valve unit (valve block).

Note:

Replacing the rear axle valve unit (valve block) does not remedy the problem, even if the noise is also audible at the rear axle valve unit (valve block). The noise is merely transmitted to the rear via the lines.

Remedy:

Slacken pressure limiting valve on front axle valve unit (valve block) (aluminum housing, size 21) and unscrew approx. 1.5 turns.

Then retighten.

Tightening torque: 50 Nm +/- 4 Nm

Then check whether the noise has improved. Repeat this procedure approx. 3 times.

If there is no improvement:

Replace front axle valve unit (valve block).

Symptoms

Suspension system noises / Chassis/suspension / Whistling and hissing noises / Suspension/Dampening /
Tooting sound / Steering system / Steering noise / Chassis/suspension /
Power transmission / Howling/whistling / Power transmission, noise /
Power generation / Engine noise / Whistling /
Chassis/suspension / Active body control / Whistling/hissing/flowing / Suspension/Dampening / ABC Noise /
Chassis/suspension / Active body control / Tandem pump / Suspension/Dampening / ABC Noise /
Whistling / Chassis/suspension / Chassis, noises /
Howling/whistling/squeaking / Chassis/suspension / Chassis, noises /

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC	Non-EPC
A2213200258			Valve unit	1		X	

Work units

Op. no.	Operation text	Time	Damage code	Note
			32575 36	

WIS-References

Document number	Title	Note	Allocation
AR32.50-P-0001SX	Remove/install front axle valve unit		Remedy