

Vibrations Or Howling Noise From The Area Of The Rear Axle

Topic number	LI35.10-P-071668
Version	1
Function group	35.10 Complete rear axle
Date	08-31-2020
Validity	Model 167 with code 490 (Electrohydraulic suspension), up to manufacturing date 17.09.2019
Reason for change	Designation changed
Reason for block	

Complaint:

The following complaints originating from the rear axle area may occur:

- Wheel-induced vibrations between 90 - 130 km/h.
- Howling noises in traction and overrun conditions

Cause:

Clearance between stop plate and stop buffer of rear suspension subframe carrier on the rear axle could be too small.

Remedy:

Check:

1. Vehicle must be standing on its wheels!
2. Check clearance between stop plate and (rubber) stop buffer using a suitable feeler gage. See attachment.

If the clearance is < 1 mm, install the optimized stop plates. It is not necessary to remove the rear axle to do so!

Remedy:

1. Remove the screws on the rear suspension subframe carrier.
2. Using a suitable tool, remove the old stop plates from the suspension subframe carrier.
3. Mount the new stop plates onto the suspension subframe carrier.
4. Mount the rear axle carrier onto the body using new screws. For basic data, see AR35.10-P-0010ME. Do not recut the threads in the body.

Attachments	
File	Description
Prüfung Freigang.pdf	Check clearance

Symptoms

XENTRY TIPS

Chassis/suspension / Noises / Vibrates
Power transmission / Differential / Rear axle differential / Noises / Howling
Chassis/suspension / Noises / Howling
Chassis/suspension / Wheels/tires / Tire properties / Vibration/out-of-balance

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 000 990 18 19			Bolt with washer	2		X
A1673525300			Stop plate	2		

WIS-References			
Document number	Title	Note	Allocation
AR35.10-P-0010ME	Remove/install rear axle completely	Rear axle does not need to be removed!	Remedy

Validity		
Vehicle	Engine	Transmission
GLE (167) - 167.117	*	*
GLE (167) - 167.119	*	*
GLE (167) - 167.121	*	*
GLE (167) - 167.123	*	*
GLE (167) - 167.148	*	*
GLE (167) - 167.149	*	*
GLE (167) - 167.154	*	*
GLE (167) - 167.157	*	*
GLE (167) - 167.159	*	*
GLE (167) - 167.161	*	*
GLE (167) - 167.186	*	*
GLE (167) - 167.188	*	*
GLE (167) - 167.189	*	*
GLS (167) - 167.921	*	*
GLS (167) - 167.923	*	*
GLS (167) - 167.956	*	*
GLS (167) - 167.957	*	*
GLS (167) - 167.959	*	*
GLS (167) - 167.967	*	*
GLS (167) - 167.986	*	*
GLS (167) - 167.987	*	*
GLS (167) - 167.989	*	*