

Squeaking noises from area of front axle brake

Topic number	LI42.10-P-058839
Version	5
Design group	42.10 Service brake
Date	05-11-2016
Validity	Not for AMG model designation
Reason for change	Model designation
Reason for block	

Complaint:

When braking, squeaking noises from the front axle are heard just before the vehicle comes to a stop.

Cause:

Interaction between brake lining backplate and brake lining guide of brake carrier (push/pull dimension).

Remedy:

Check whether there is sufficient clearance between the brake lining backplate and the brake lining guide of the brake carrier:

- 1) Position screwdriver at lowest point of brake lining backplate (see attachment: "Screwdriver application point")
- 2) Press brake lining upwards
- 3) Measure distance between brake lining backplate (top side) and brake carrier (using feeler gauge) (see attachment: "Checking push/pull dimension")

If the distance does not lie between 0.6 - 1.1 mm, replace the following parts of the front axle according to the EPC:

- Brake carrier
- Brake linings

Then again check whether the push/pull dimension is within the tolerance range.

If it varies, create a TIPS case.

Attachments	
File	Description
Ansatzpunkt Schraubendreher.jpg	Screwdriver application point
Überprüfen des Push Pull Maß.jpg	Checking push/pull dimension

Symptoms
Chassis/suspension / Brake system / Service brake / Noises / Squeals

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
40-1590	REMOVE/INSTALL WHEELS (2)		42125 36	

XENTRY TIPS

42-2706	REMOVE/INSTALL BRAKE PADS OF FRONT AXLE, REPLACE IF NECESSARY (WHEELS REMOVED)		42125 36	
42-2717	REMOVE/INSTALL BRAKE CALIPERS OF FRONT AXLE, REPLACE IF NECESSARY (BRAKE PADS REMOVED)		42125 36	
42-2720	REMOVE/INSTALL BRAKE CARRIER, REPLACE IF NECESSARY (BRAKE CALIPER REMOVED)		42125 36	

WIS-References

Document number	Title	Note	Allocation
AP40.10-P-4050EW	Remove/install wheels, rotate if necessary		Remedy
AR42.10-P-1600GQ	Remove/check/install front axle brake pads		Remedy
AR42.10-P-0070GZ	Remove/install front axle brake caliper		Remedy

Validity

Vehicle	Engine	Transmission
GL/GLS (166) - 166.824	*	*
GL/GLS (166) - 166.856	*	*
GL/GLS (166) - 166.864	*	*
GL/GLS (166) - 166.872	*	*
GL/GLS (166) - 166.873	*	*
GL/GLS (166) - 166.874	*	*
GLE (292) - 292.323	*	*
GLE (292) - 292.324	*	*
GLE (292) - 292.356	*	*
GLE (292) - 292.362	*	*
GLE (292) - 292.364	*	*
GLE (292) - 292.373	*	*
M/GLE (166) - 166.003	*	*
M/GLE (166) - 166.004	*	*
M/GLE (166) - 166.023	*	*
M/GLE (166) - 166.024	*	*
M/GLE (166) - 166.055	*	*
M/GLE (166) - 166.056	*	*
M/GLE (166) - 166.057	*	*
M/GLE (166) - 166.058	*	*
M/GLE (166) - 166.062	*	*
M/GLE (166) - 166.073	*	*
M/GLE (166) - 166.074	*	*

