

Crackling And Cracking Noises When Cornering

Topic number	LI40.10-P-059248
Version	6
Function group	40.10 - Wheels, tires
Date	6/22/23
Validity	Model 204.#77 with code 785 or 793 (AMG light-alloy wheel cross-spoke design) Model 290 Model 217.#77/ #78/ #79/ #87/ #88 Model 222.#77/ #78/ #79/ #87/ #88
Reason for change	Further model series added, AL text adapted

Complaint

Crackling and cracking noise from the outer wheel on the front axle when cornering

Cause

Micro-stresses in the rim

Remedy

Sand down the rim and brake disk bowl by performing the following steps:

- Manually sand rim (old design only) in area of water drain bores (Figure 1; item A), approx. 1.5 cm left and right of water drain bore (Figure 2)

Note:

Use abrasive paper with grit size 80.

The grooving in this area should no longer be visible (sand down approx. 0.1-0.2mm)

- Also sand brake disk bowl using emery cloth or abrasive paper with a grain size of 120
- For vehicles equipped with the AMG ceramic brake system (B07), abrasive paper may not be used for cleaning on the brake disk side

Note:

Do not use any cleaning agent when cleaning on the rim side. Cleaning using abrasive paper with a grain size of 80 will suffice.

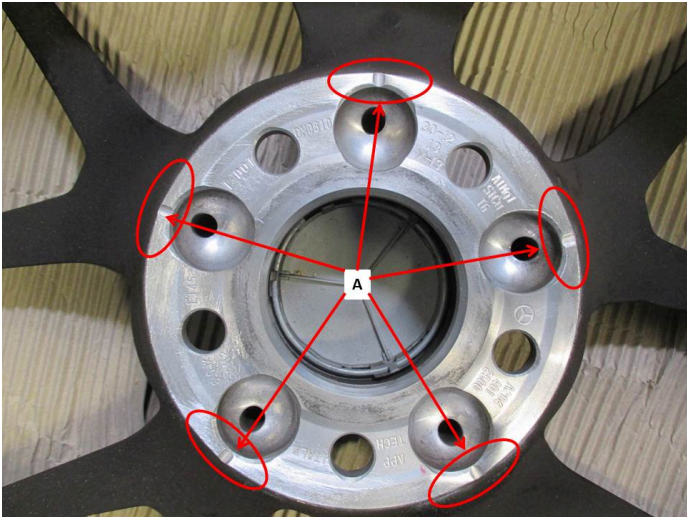
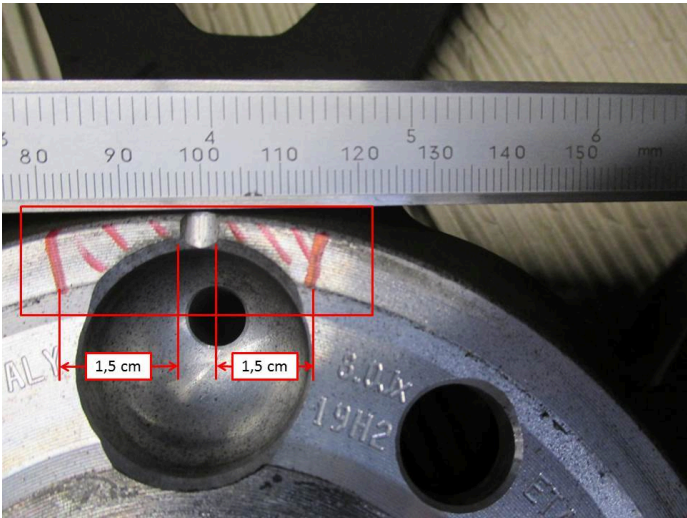
Do not apply any grease, lubricant or paste after cleaning

The brake disk bowl should be "bare metal" in the area of the imprints made by the hole (Figure 3)

Recommend removing wheel locks from front wheels.

Attachments

XENTRY TIPS

File	Description
<p data-bbox="111 271 299 304">Abbildung 1.jpg</p> 	<p data-bbox="801 271 906 304">Figure 1</p>
<p data-bbox="111 864 299 898">Abbildung 2.jpg</p> 	<p data-bbox="801 864 906 898">Figure 2</p>
<p data-bbox="111 1458 299 1491">Abbildung 3.jpg</p>	<p data-bbox="801 1458 906 1491">Figure 3</p>

XENTRY TIPS



WIS-References

Document number	Title	Note
SI00.00-P-0086A	Service Information: Guidelines for queries relating to technical complaints	
AP40.10-P-4050CW	Remove/install wheels	

Symptoms

Chassis/suspension > Noises > Cracking
Chassis/suspension > Noises > Clattering
Chassis/suspension > Noises > Creaks
Chassis/suspension > Wheels/tires > Tire noises > Rhythmic knocking
Chassis/suspension > Wheels/tires > Rim > Current problems

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
			40017**	Please state "Noises" in the note text
