

Crackling and cracking noises when cornering

Topic number	LI40.10-P-059248
Version	3
Design group	40.10 Wheels, tires
Date	12-17-2014
Validity	Model 204.#77 with code 785 or 793 (AMG light alloy wheel with cross-spoke design)
Reason for change	Model series 222 deleted (dedicated document created) Remedy revised and pictures for remedy adjusted
Reason for block	

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 in area of water drain bores (Figure 1; item A), approx. 1.5cm 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 grit size 120

Note:

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

Attachments	
File	Description
Abbildung 1.jpg	Figure 1
Abbildung 2.jpg	Figure 2
Abbildung 3.jpg	Figure 3

Symptoms
Chassis/suspension / Chassis, noises / Cracking
Chassis/suspension / Chassis, noises / Clattering
Chassis/suspension / Wheels/tires / Tire noises / Rhythmic knocking
Chassis/suspension / Wheels/tires / Rim / Current problems
Chassis/suspension / Chassis, noises / Creaking

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

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

Validity			
Vehicle	Engine	Transmission	
204.077	*	*	
204.277	*	*	
204.377	*	*	

Attachments
Abbildung 1.jpg:

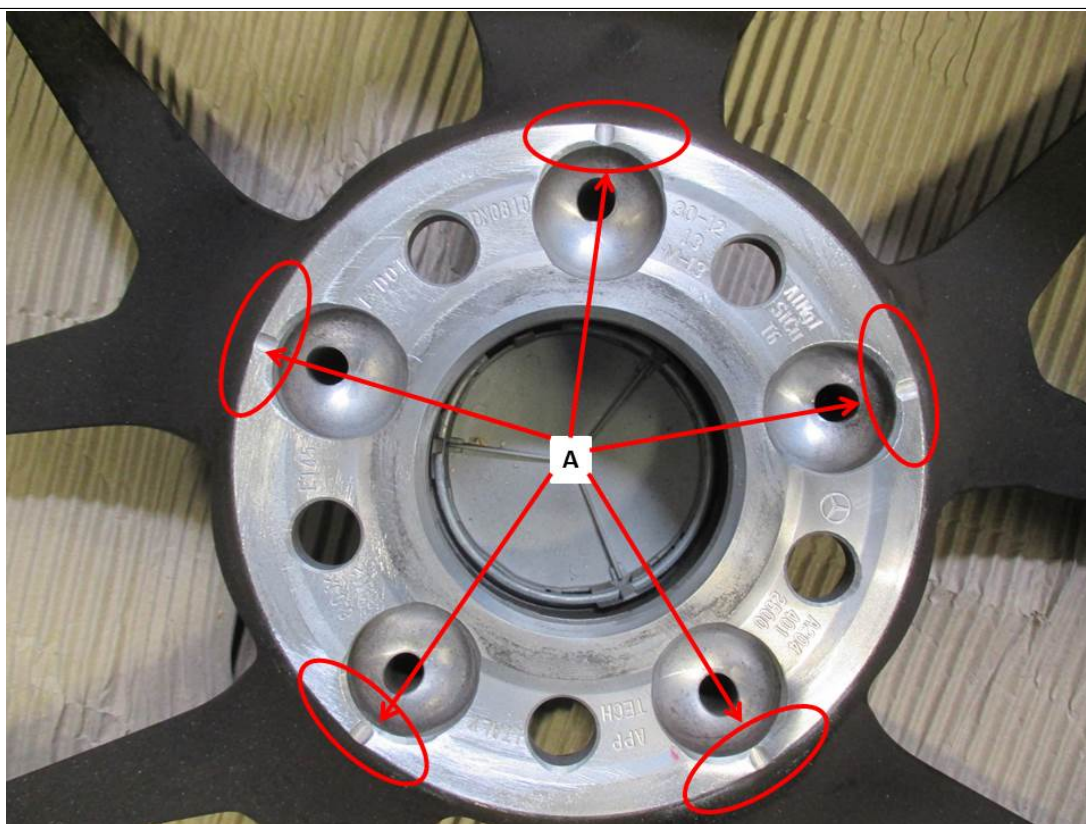


Abbildung 2.jpg:

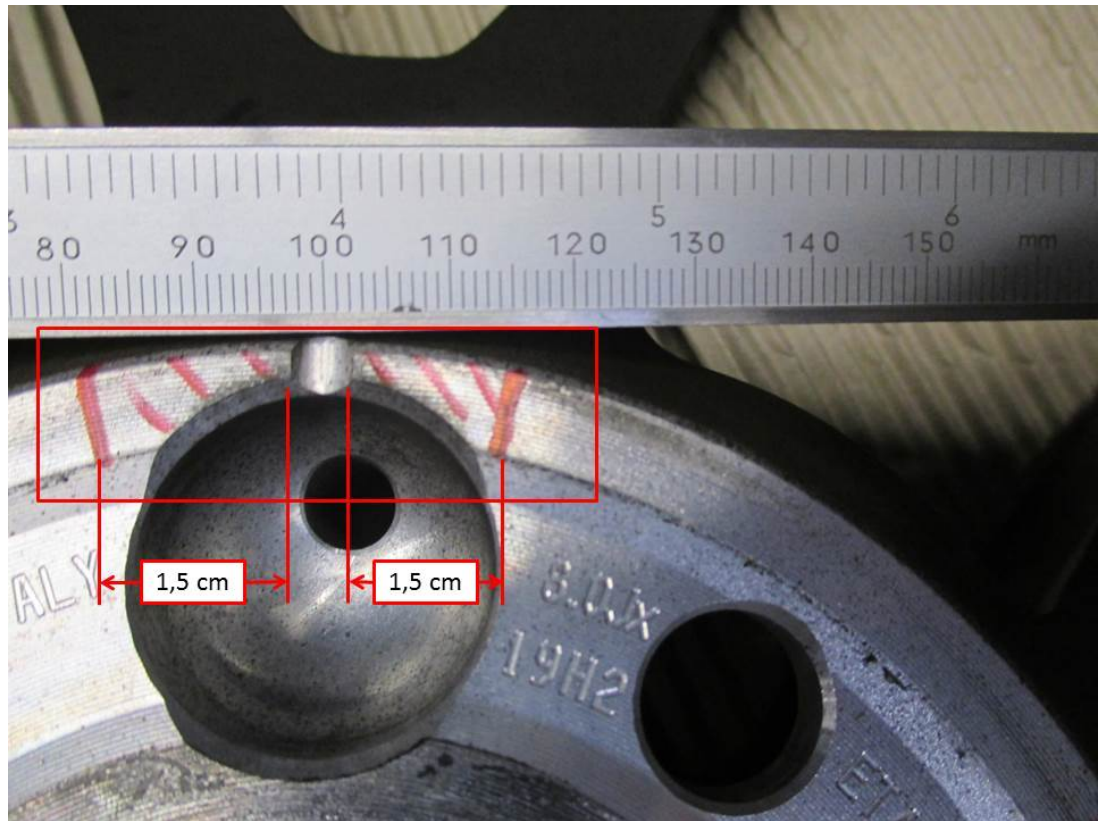


Abbildung 3.jpg:

