

Braking noises from the front axle when braking (4-piston brake caliper only)

Topic number	LI42.10-P-075968
Version	5
Function group	42.10 - Service brake
Date	1/22/25
Validity	Model designation: 247.751, 247.651 from change year 21/2
Reason for change	Adding greasing instructions.

Complaint

Squeaking noises from the front axle brake when operating the brake with a 4-piston brake caliper.

The noise occurs regardless of the temperature.

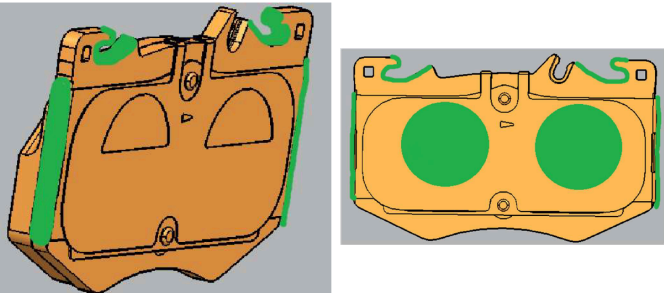
Cause

The noise occurs due to the position of the brake lining when the brake lining comes into contact with the brake disk.

Remedy

1. Install new front axle brake lining with part number A0004216002.
2. Apply copper paste A001 989 87 51 to the contact points between the brake pad and brake caliper guide. See attachment for application guide.

IMPORTANT: Copper paste must NOT get onto the friction surface of the brake pads and discs.

Attachments	
File	Description
Brake Pad Copper Paste Location.png	Front brake pad copper paste application guide
	

Disclaimer

XENTRY Tips

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

Symptoms

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

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A0004216002			Front axle brake lining	1		X
A0019898751			Copper Paste	1		X

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
			4211436	