

Brake squeal at front axle

Topic number	LI42.15-P-070250
Version	3
Function group	42.15 Mechanical system
Date	10-19-2020
Validity	BR463 with M177
Reason for change	Parts
Reason for block	

Complaint:

Brake squeal from front axle when braking to a standstill

Cause:

Possibly Frictional vibrations

Remedy:

The noise has no effect on the braking performance of the vehicle.

A new pad with part number A 000 420 13 03 will be available by the end of Q4. If the squeal is confirmed to be coming from the front axle, please order the new pad and advise the customer to return when the parts become available. No parts should be replaced in the meantime.

In the instance of a repeat repair attempt and brake squeal can be confirmed from the front axle, glue linings of front axle into caliper as shown in the pictures in the Annex.

Note: Supply of bi-adhesives is critical, so they will only be provided for repeat repair attempts.

If noise is found to be coming from the rear, replace the rear pads and evaluate again.

Procedure:

Clean backplate of linings with brake cleaner.

Attach the bi-adhesive to the lining (see below for dimensions) and then press down firmly with a smooth tool, e.g. a scraper.

Then pull off the blue foil and insert the lining.

After assembling the brake system and before carrying out the test drive, press the brake pedal fully down several times and hold it pressed for 3 seconds to allow the pistons to bind with the adhesive.

Picture A: worn lining

Dimensions from edge of lining:

XENTRY TIPS

Picture B - top left: approx. 29 mm

Picture C - top right: approx. 29 mm

Picture D - left side: approx. 13 mm

Picture D - right side: approx. 12 mm

Attachments

File	Description
Bilder.pdf	Positioning the bi-adhesive

Symptoms

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