

Damage assessment - wheel suspension and steering | HELLA

Damage assessment

Wheel suspension and steering

Influence of defective components on braking behaviour

Damaged or malfunctioning suspension or steering components can affect not only the driving but also the braking behaviour of the vehicle. If unusual noises, vibrations or unstable driving behaviour are detected during the braking process, this may be due to a variety of chassis components.

Effect of defective components

Defective shock absorbers and tyres

- Deteriorated traction/road grip
- Diminishing braking effect
- Extended braking distance

Defective or incorrectly installed rubber bearings

- Unstable driving behaviour
- Steering wheel or pedal vibrations
- Knocking noises

Lack of damping caused by damaged or leaking hydromounts

- Knocking noises
- Brake rubbing
- Vibrations
- Unstable driving behaviour

Defective coupling rods, wishbone or stabiliser bearings

- Knocking noises
- Unstable driving behaviour
- Vibrations

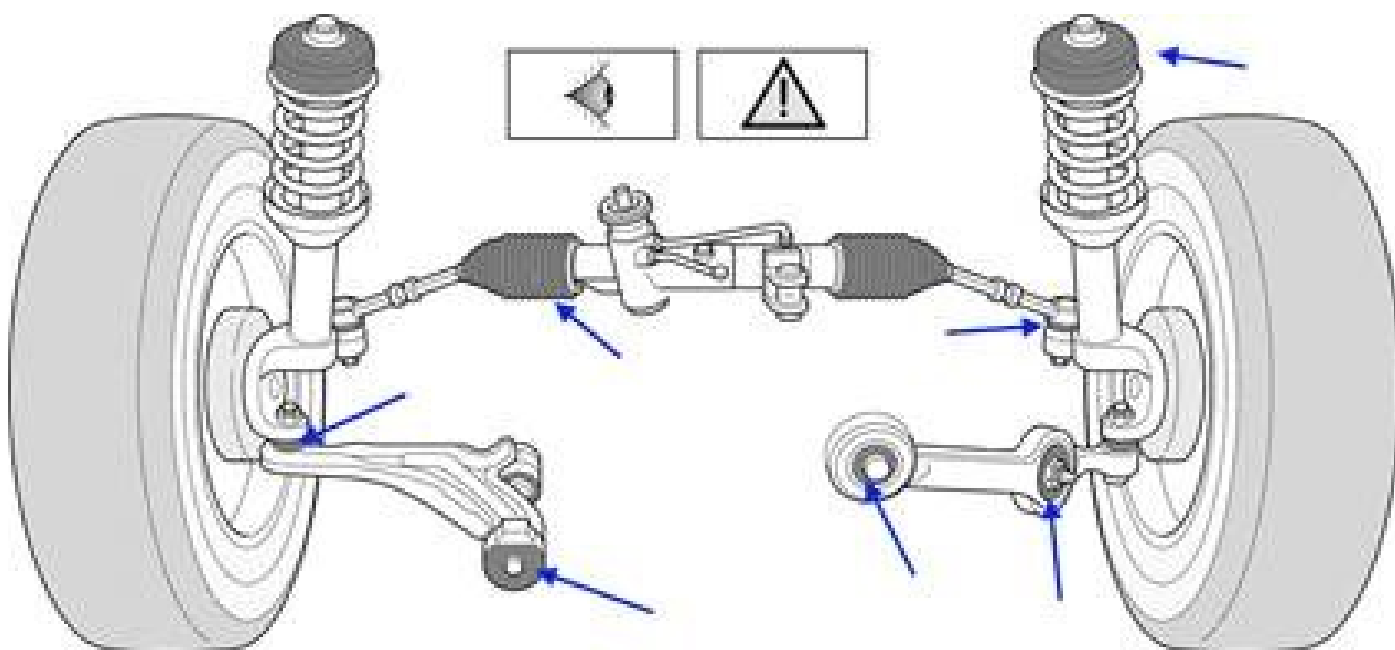
Defective or incorrectly installed rubber sleeves on the drive shafts

Leaking grease contaminates adjacent assemblies

1.

Maintenance information

When repairing brakes, it is advisable to include in the damage assessment test the chassis components found in the vicinity of the wheel brake, such as wheels, axle suspension and steering.



Important safety notice

The following technical information and tips for practical use have been set up by HELLA in order to offer professional support to automotive workshops in their daily work. The information available here on this website is only to be used by appropriately trained specialist staff.

The reprinting, distribution, reproduction, exploitation in any form and disclosure of the contents of this document, even in part, is prohibited without our express written approval and indication of the source. The schematic illustrations, figures and descriptions are for explanation and presentation of the document text and cannot be used as a basis for installation or design. All rights reserved.