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

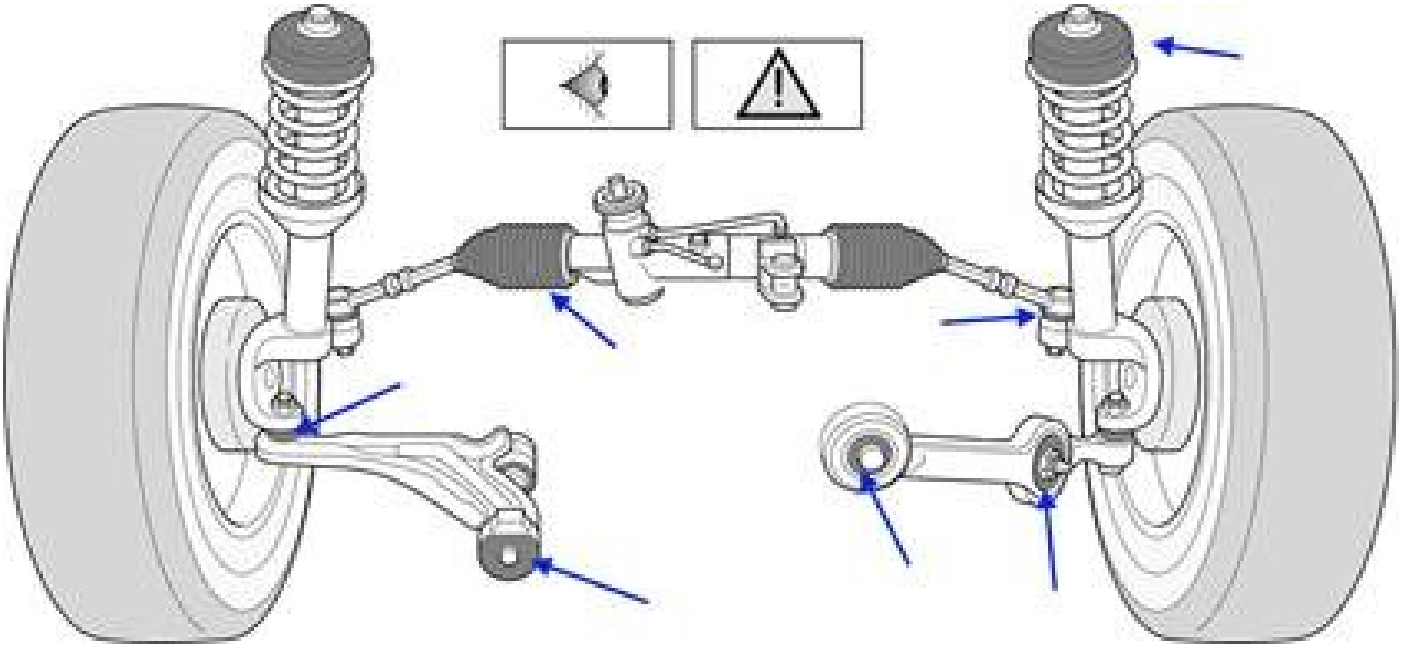
Defective coupling rods, wishbone or stabiliser bearings

- 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.