

# ACCURATELY DETECT DEFECTS ON THE SUSPENSION

## IT IS NOT WORTH HESITATING!

Defective shock absorbers and service parts can drastically impair driving safety. Even after a short time, they can lead to significant consequential damage.

- Longer braking distance and earlier aquaplaning
- Higher risk of skidding in curves and during evasive maneuvers
- Lack of grip on waves and road crests
- Malfunctioning ABS and ESP
- Blinding headlights and increased risk of accidents
- Increased wear on wheel suspension, wheel bearings, bump stops and springs

## CHECK-IN AND VISUAL INSPECTION

Some damage to the suspension can be seen with the naked eye: broken springs and worn bump stops, for example. Oil leakage from the shock absorber is also a sign of wear, as are partially visible washouts on the tire tread.

## TEST DRIVE

The driving behavior of the car allows direct conclusions to be drawn about the condition of the suspension. Particular attention should be paid to the following defects: poor cornering stability, "jack-knifing" when braking, body sway, suspension sag, bouncing wheels, sensitivity to crosswinds, worn ball joints and rubber-to-metal connections.

## SUSPENSION CHECK ON THE LIFT

Here, any deviations or defects in the suspension can be detected with exact measurements of the function and condition of the axle.

Shock absorbers are subject to gradual wear, which is why defects are not accompanied by an instantly noticeable deterioration in driving characteristics. The more kilometers driven, the greater the likelihood of experiencing a defect in the shock absorbers and suspension.

**SAFETY NOTE**  
When replacing shock absorbers, always replace both dampers on an axle!

# BILSTEIN

## SUSPENSION TEST

License plate \_\_\_\_\_



Year of manufacture \_\_\_\_\_

Car type \_\_\_\_\_

Mileage \_\_\_\_\_



### TEST

			<b>Condition</b>
<b>Tire tread pattern</b>			O.K.
			questionable
			defect
<b>Shock absorber (no oil leakage)</b>			O.K.
			questionable
			defect
<b>Shock absorber (no damage)</b>			O.K.
			questionable
			defect
<b>Stop rubbers</b>			O.K.
			questionable
			defect
<b>Bellows/protection tubes</b>			O.K.
			questionable
			defect
<b>Suspension strut bearing</b>			O.K.
			questionable
			defect
<b>Wheel bearing play</b>			O.K.
			questionable
			defect
<b>Axle suspension parts</b>			O.K.
			questionable
			defect

Comment \_\_\_\_\_

### TEST DRIVE

A test drive has been completed.      Yes      No

Comment \_\_\_\_\_

### OVERALL CONDITION OF THE SUSPENSION

The condition of the suspension is O.K.   
*(The next suspension check should be carried out after approx. 20,000 km).*

The condition of the suspension is questionable.

The suspension is defective!  
 Please replace the defective components.

Comment \_\_\_\_\_

Checked by \_\_\_\_\_

Business stamp \_\_\_\_\_