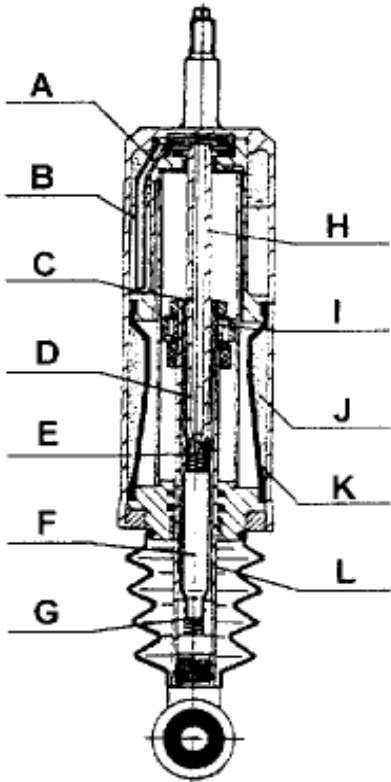


Description and Operation

Description of principle of self-leveling shock absorber

Operating principles



The correct shock absorber level is pre-set and is dependent on load and spring stiffness. If the car sinks after being parked for several hours or under load it does not mean that the damper is faulty. The difference between right and left sides may be a maximum of **15 mm (0.59 inch)**.

The self-leveling begins automatically at the same time as the driving and after a few kilometers the normal level will be reset.

If the car sinks under the set height while driving it means that there is a loss of fluid or gas. If this happens it means that at least one shock absorber is faulty and requires replacement.

Note! Light "sweating" around the piston is from oil mist caused by piston movement and does not indicate leakage.

Legend

- A. Intake pipe, oil (leveling)
- B. Oil reservoir
- C. Control opening
- D. Control bushing

- E. Intake valve, pump
- F. Pump cylinder
- G. Pump valve
- H. Piston rod
- I. Piston with pressure and intake damping valves
- J. Gas pressure chamber
- K. Partition
- L. Mating surfaces, (piston rod)