Gas pressure springs and dampers

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Function

Gas pressure springs facilitate the effortless and convenient opening and closing of luggage compartment lids/tailgates and engine hoods. With the assistance of gas pressure springs, the tailgate and engine hood can be operated with one hand. When the hood or lid is open, the gas pressure spring holds it safely in the end position. During closing, the gas pressure spring gently dampens the movement so that the hood or lid drops smoothly into the lock.

Gas pressure springs are also used as dampers elsewhere in motor vehicles, as steering dampers or engine dampers, for example.

Benefits of gas pressure spring

The benefits of gas pressure springs are as follows:

- Compact design
- Ease of installation
- Definable speed
- Convenient power assistance for easy opening
- Smooth and steady functional sequence
- Definable spring characteristic
- Damping of movement

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Safety

Gas pressure springs meet the exacting requirements of vehicle manufacturers. They are designed to ensure that lids function safely and in particular stay open. Accordingly, the required quality features must be taken into account when replacing these products.

Tip: If two gas springs are installed in a lid, they should always be replaced in pairs.

Environmental protection

Even in the design and build of gas pressure springs and dampers, well-known companies consider careful use of resources. So, although production has been on the increase in recent years, energy consumption has been reduced and CO2 emissions have been significantly cut as a result.

Depreciation

Gas pressure springs and dampers are maintenance-free. Piston rods do not have to be oiled or greased. They are always designed to meet prevailing requirements and are capable of fault-free operation for many years.

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Source: https://www.my-cardictionary.com/dictionary/comfort/gas-pressure-springs-and-dampers