

Actuators

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Function



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In the engine control system, actuators regulate the

- idle speed,
- control air flaps for torque and power optimisation and
- meter fuel for optimum combustion.

In convenience systems they are used to lock and unlock _____

Safety

In recent years, powerful actuators in all manner of different designs have made numerous safety and assistance functions possible. Actuators are the means via which drivers are provided with assistance in critical situations, thus helping to avoid accidents or moderate their severity.

Environmental protection

Increasing awareness of the environment on the part of drivers accompanied by rises in fuel prices are placing ever more stringent demands on modern vehicles with regard to low fuel consumption and low pollutant emissions – but this must not be at the expense of top performance and ride comfort. These requirements can only be met with powerful actuators that are able to supply the necessary amount of fuel to the engine with absolute precision and accurately control fresh air supply and exhaust gas recirculation in order to optimise performance and pollutant characteristics.

Bilder

Hersteller



Pierburg_EN



HELLA



Denso_EN



Herth+Bus



Valeo_EN



Bosch



Magneti Marelli_EN

Quelle: <http://www.my-cardictionary.com/electronics/actuators.html>