ENGINE COMPARTMENT ACTUATORS (ECA)

HELLAs Engine Compartment Actuators perform several functions in both diesel and gasoline engines:
→ Turbocharger
→ Intake Manifold Throttle
→ Exhaust Flap & Exhaust Gas Recirculation System
→ Engine Coolant Circuit

HELLAs contactless sensor technology (CIPOS®) detects the position of the actuator. The sensor is integrated into the cover, enabling the ability to change from a non-complex design to an intelligent design without extensive modifications.

ADVANTAGES
→ Highly accurate over a range of temperatures
→ Superior level of reliability in a very robust design
→ Intelligent and non-complex designs available
→ Position control with HELLA CIPOS® technology (accuracy of -2 %)
Universal Turbo Actuator (UTA)
→ Applications: Variable Nozzle Turbine for diesel engines
→ Interface: PWM/SENT, CAN or analog
→ Gearing concept: Worm gear

Universal Manifold Actuator (UMA)
→ Applications: Tumble and swirl flaps
→ Interface: PWM or analog
→ Gearing concept: Spur gear

Wastegate Actuator (WGA)
→ Applications: Wastegate flap for turbocharged gasoline engines
→ Interface: PWM or analog
→ Gearing concept: Spur gear
→ SOP: 2014

Cooling Valve Actuator (CoVA)
→ Applications: Valve actuation in cooling circuit
→ Interface: PWM/SENT or analog
→ Gearing concept: Worm gear/spur gear
→ SOP: 2015 (In development)

For further technical data please check our website.