



PREXAparts is the automotive brand for high-quality spare parts. With more than 40 years experience, we ensure the sustainable quality of selected parts. The PREXAparts products meet the specifications of the original manufacturers.

PREXAparts Sensor Headlight Levelling

THE ADVANTAGES AT A GLANCE

- ✘ Manufacturing and process reliability comply with the official OEM standards as well as quality assurance
- ✘ PREXAparts sensors headlight levelling offer the same function and durability as the original parts
- ✘ The sensors are controlled according to PREXAparts quality assurance
- ✘ PREXAparts sensors are designed as a 1:1 replacement for the OE parts and offer the same safety
- ✘ The latest database for PREXAparts products is available on TecDoc
- ✘ Large stock quantity ensures high availability



USEFUL KNOWLEDGE



With the implementation of xenon light, an automatic headlight range control system is required by law. This regulation applies to vehicle headlights with a luminosity of more than 2000 lm, including up to date LED lighting systems.

The headlamp beam adjustment control unit receives information about the inclination of the vehicle by the level sensors. In order to ensure an ideal illumination field without dazzling other road users, this data is used to adjust the headlights correctly by servo- or stepper motors.

Usually the level sensors, also called rotation angle sensors, are connected with the wishbones and record every change in angle there. This data is not only necessary for headlight range adjustment, but also used in other control units for safety and comfort systems, such as dynamic suspension control. Several level sensors can be installed at the front and rear axles, depending on the vehicle type and configuration.



Many level sensors from the comprehensive PREXAparts assortment are supplied including the jointed mountings and coupling rods, suitable for a big variety of usual applications.

