

Automatic Headlight Vertical Aim Control

The load status of the vehicle is recorded by sensors mounted on the front and rear axles. The sensors are mounted at the front and rear right between the stabilizer bar and axle carrier. The control unit for automatic headlight vertical aim control is activated dependent on the motors for headlight height adjustment.

The right and left headlights are adjusted simultaneously.

With a low power requirement, the headlights are kept in the present position.

The power supply for automatic headlight vertical aim control is switched through from the light module. This takes place when switching on the parking light terminal 58 or after engine start with terminal 61 "engine running".

The control unit for automatic headlight vertical aim control is informed when the headlight is switched on via the K-bus.

Control is not possible if the system voltage is too low. The motors for headlight height adjustment can no longer be driven and the inclination sensors are no longer supplied with voltage.

Diagnosis of the automatic headlight vertical aim control system can only take place when a light module is installed and terminal 58 or terminal 61 is active.

In case of fault, control is stopped immediately and a corresponding fault code is stored in the fault code memory. The last position of the headlights is frozen.

When the side light is switched on or the engine started, the electronic control carries out a reference run with the stepper motors and then assumes the basic setting.