

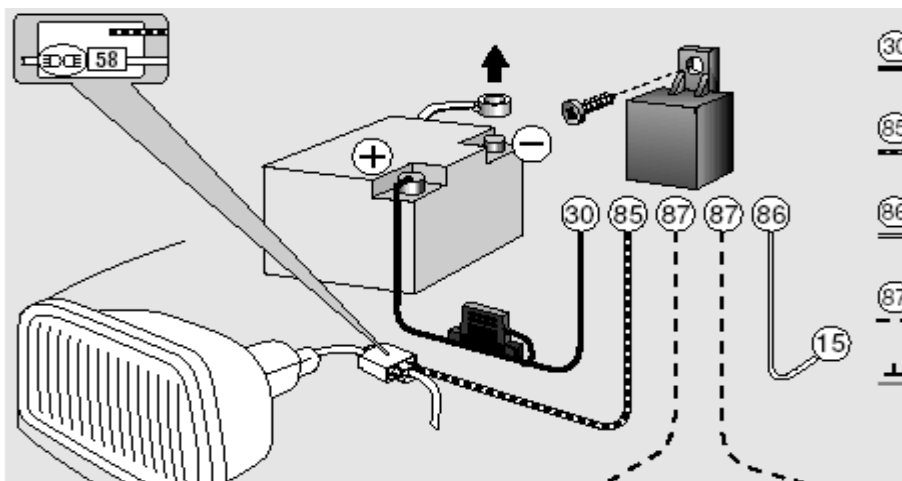


Retrofitting daytime running light in vehicles with PWM signal

When daytime running lights are retrofitted, the changeover relay included in the scope of supply can "vibrate" when the vehicle lighting is switched on. Since some vehicle manufacturers trigger the position light by means of a pulse width modulated signal (quick switching on and off of a consumer, which regulates the power), the installation of a slower relay is required here.

Background information:

The daytime running light is activated by the ignition being switched on, when the low beam is switched on the daytime running light is switched off automatically. This switching is guaranteed by a relay connected to the ground contact of the relay at terminal 58 (position light). This is where the malfunction described above can occur on account of the changing PWM signal, because the relay coil is not permanently supplied with voltage.



Remedy:

If the malfunction described above occurs, replace the relay provided in the set by a relay with parallel resistance to the coil, such as 4RD 007 794-031 (changeover relay 12 V with holder).