



Daytime driving lamps

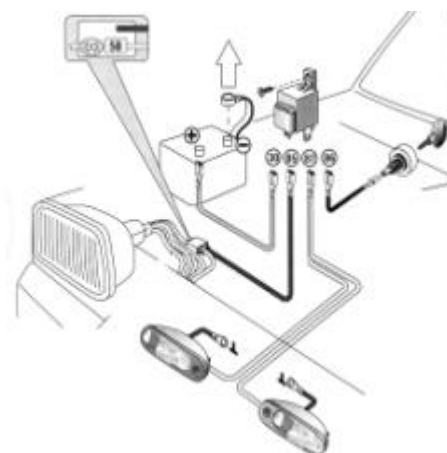
General

To achieve better safety, there are new and only from Hella daytime driving lamps so as to be seen better during the day. Universal daytime driving lamps are for mounting on every vehicle type. They are simple and fast to fit like fog lamps. For the easier and faster fitting there is a push-in adapter mounting set (Hella part no.: 8HG 145 283 – 801).

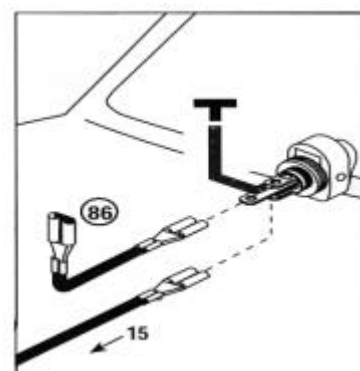


Function

The daytime driving light is an independent lighting system that only is allowed to function when the main vehicle lighting system is off. By using 12 volt 6 watt halogen lamps the daytime driving light has a high lighting power for a low input power. The power supply is provided by a relay circuit. The connection must be made so, that the daytime driving light goes out as soon as the parking lights are switched on. This is ensured by the connection of the ground contact of the relay to clamp 58 (parking light / picture 1). The daytime driving lights can be directly switched on through the ignition or through an extra switch, according to the connection (picture 2). Mounting is possible upright or downright above or below the bumper (picture 3). Detailed mounting instructions are in the package. For mounting to 24 volt vehicles a voltage reducer is needed.



Picture 1



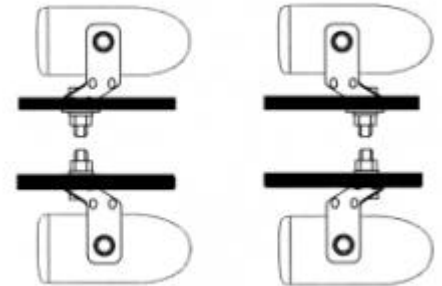
Picture 2



Effects of failure

A failure or malfunction can cause the following:

- Lamps are not illuminated
- Lamps are illuminated when the parking light is switched on
- One faulty lamp



Picture 3

Causes of failure:

- Missing supply voltage or ground
- Wire short circuit/open circuit
- Faulty bulbs

Diagnostics

For fault identification consider the following system check:

1. When one lamp is faulty:

- Renew the bulb
- Check the connectors for correct size and contact
- Check the supply voltage
- Check the ground contact

2. When both lamps are faulty:

- Check the supply voltage from the relay
- Check the ground contacts of the lamps
- Check the ground contact of the relay
- Check the supply voltage of the actuating current circuit from the switch or ignition