

ZIM.615.110.6V/12v

Bright Headlight relay kit 6volt or 12volt

This relay kit was designed to eliminate voltage drop to the headlights from old wiring and connections that have built up resistance from age.

Tools required: phillips screwdriver, small flat blade screwdriver, electric drill, 6mm (1/4") drill bit, wire dykes, phillips screwdriver bit for drill.

Attention: Disconnect positive and negative terminals from battery before beginning work.

There are two options for routing the new power wires from the battery to each headlight:

1. Running the wire through the existing conduit on the car located between the battery box side and headlight bucket.
2. Drilling new holes in the bottom of the headlight bucket. We have included instructions for this method.

Instructions:

- 1) Remove both headlight bulbs and disconnect the harness from each.
- 2) Drill a 6mm hole in each of the headlight buckets for the power wire.



- 3) Install a supplied wire grommet in each of the holes that you have drilled.

4) Connect the large ring terminal on the new power supply wire to one of the positive battery terminal bolts.



5) Route the power wires to each side of the car along the existing wire harness that runs around the backside of the battery compartment. Run the power through the grommet in the battery box side and into the headlight bucket.



6) **Optional step (Even though the relay harness is grounded through the existing ground of the old headlight harness, a good ground is essential to proper headlight function.) You can ensure a good ground by attaching the relay harness (terminal marked optional ground) to the headlight bucket using the supplied self tapping screw.**

7) Plug the male end of the new relay harness into the old headlight harness.

8) Attach the power wire from the battery to the relay harness connection marked (batt+) using the small flat blade screwdriver.

9) Remove the protective covering from the two sided tape, attached to the relays, and apply them to the headlight bucket. Plug the female headlight connector into the headlight bulb.

10) Reinstall headlight into headlight bucket.

**Enjoy your bright headlights!!
Zim's Autotechnik**