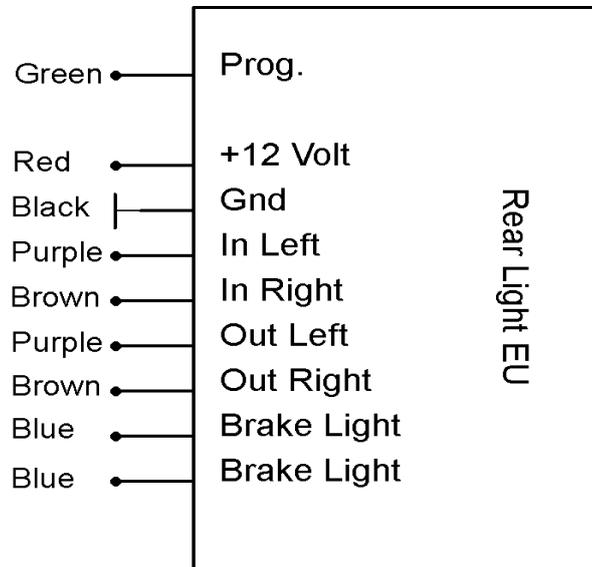


INSTRUCTIONS ZPN 749509 Rear Light EU

Almost every bike that runs in the US has a brake light / indicator combination meaning that 2 lamps work as brake light and as direction indicator as well. This can make conversion of an imported bike to the requirements in the EU a bit tricky and cost intensive due to wiring and workshop time. The Rear Light EU is a microcontroller based solution that converts the two signals from the original flasher / brake light combination in four separate outputs for brake light / rear light and indicators.



Connection:

+ 12 Volt: This cable is wired to a switched 12 Volt source, like tag light or rear light of your bike.

Gnd: Be connected to the chassis or minus of the harness

In Left / Right: These are the connections to the original cables that supplied the old brake light or flashers.

Out Left / Right: These are the outputs to your new flasher / indicator lamps.

Brake Light (2 x): These are the outputs to the 2 brake light rear light combinations. Both outputs are wired in parallel. Just feel free to cut one output if you use only one rear light. However, the rear light will glow with about 40 % brightness if no brake light switch is activated and glow with 100 % brightness if a brake light switch is activated. So, you need only one cable for the rear light / brake light and there is no additional lamp necessary for the rear light.

Prog.: The brake light works "normally" if this cable is removed (cut/insulated). If this wire is attached to ground the brake light will flash 3 times before it switches on permanently. This function should give a bit more attention from other drivers behind of you if you brake your bike.

The outputs are short circuit protected if currents above 10 ampere will present. However, we suggest to wire a small fuse in the + 12 Volt main line if you are not sure if the cables from the original control box of your bike to the tag light or rear light can survive short circuits above 10 Ampere.

The Rear Light EU was developed for an implementation in show bikes and racing bikes. It should be installed by professional well trained engineers only. Please check your local regulations regarding the traffic light rules in your country before of the use of the Rear Light EU in your bike. Please be aware that we are not responsible for any hazards, damages or disadvantages due to the use of the electronicbox. The electronicbox devices are registered under the number DE54933725 WEEE as B2C device. We also declare that the Rear Light EU is conform to the CE and ROHS regulations for the European market.

We tried to keep the functions of the Rear Light EU and this manual as simple as possible. If you have any questions while the installation please don't hesitate to contact us at: sales@zodiac.nl

However, we wish you a lot of fun with your new Rear Light EU and of course always a safe trip!