

## REAR BRAKE LIGHT SWITCH

Unless you live on an island without other motorized vehicles, you will NEED a rear brake light; if not for legal reasons, it might just keep you alive.

I tried several ways to keep the necessary switch out of sight; a micro switch hidden behind the pannier bags was no success, so I decided to forget a hidden mounting, and did it this way: on the rear pillion foot rest. (I NEVER ride pillion, nor do I allow anyone to sit behind me).

First I made a cardboard template to test the form, then cut it out of .7 mm sheet steel, drilled a 8 mm hole for the pillion rear bolt, and 5 mm holes for the standard brake switch, and folded it along the dotted line.

The original small spring that is intended to be mounted on the brake rod was too soft, so I replaced it with a piece of steel spring wire; the maximum movement of the brake rod is slightly less than the maximum switch pull length.

Finally, I replaced the light bulbs in the Lucas (repro) rear light by modern LED's; now I have nearly blinding rear- and brake lights, and a well illuminated license plate, at a fraction of the amps they consumed before.

Another brake modification that I am planning is for the front brake; in 99% of my braking actions I use the front brake. This winter I'll install a cable with a brake switch incorporated; when done, I'll report about that.

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