

Brake Light Flasher X1. Manual.

!!! Warning !!!

DO NOT return the item to the original retailer. Contact the support for any problem with the item or item delivery.

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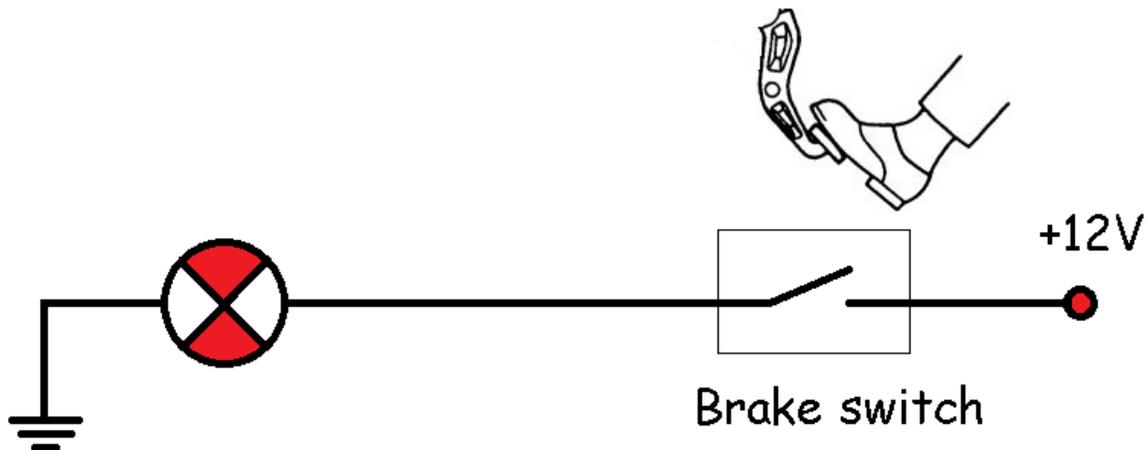
3rd Brake light flasher creates a brake light flashing effect to catch the attention of the drivers behind and avoid dangerous rear-end collisions. The flasher module is a microprocessor-based circuit specifically designed for brake light operations and packaged in a very tiny package. It works on both LED and incandescent bulbs. The flasher features a patented lockout time to minimize the brake flashing during the heaving traffic.

Supply voltage: 12V
Max current: 10 amp or 100watt bulb.

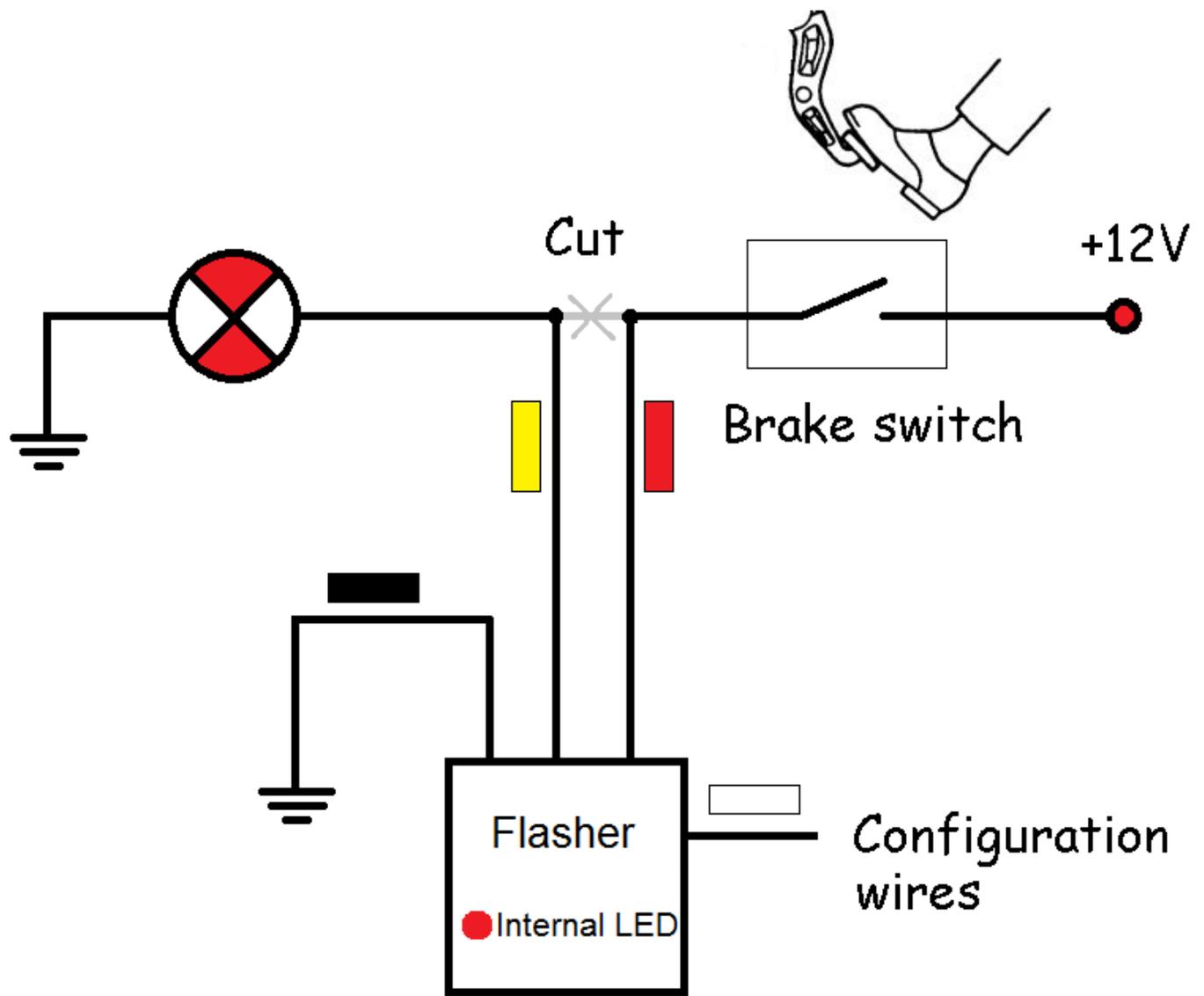
Tools required for installation:
Wire crimper tool (found in any auto/home improvement store).

Installation

1. Get access to the 3rd brake light assembly, and disassemble it to get access to wires. There will be two wires leading to the brake bulb one is **ground** and the other is **power** (+12v when the brake pedal is pushed). You need to figure out which wire is **ground** and which is **power**. Use a voltmeter or refer to the car wiring diagram.



2. Cut the **power** wire and connect the flasher module **RED** wire to it. Make sure you use the **power** wire end going to the switch and not the bulb.



3. Now using provided quick splice connector attach the flasher module **BLACK** wire to the ground wire.
4. Connect the module's flasher **YELLOW** wire to the wire leading to the bulb.
5. The white wire is used for configuration.
6. Installation is complete.

Light flashing options:

The flasher is configured to flash sixteen times with a high flash rate. Follow the procedure below to change the flasher's light pattern. It is accomplished by setting up four flasher settings listed below.

	Parameter	Value	Description
1	Quantity of light flashes	From 1 to 16	Number of flashing cycles.
2	Light flashing rate	Twenty-five different rates, from very fast to very slow	Flashing rate.
3	Lockout time	1 – 0 2 – 10 sec 3 – 20 sec 4 – 30 sec 5 – 40 sec 6 – 50 sec	Lockout time would disable the flashing for a preset period. If the brake is activated before the lockout expires the lockout period is reset. This feature helps to minimize the flashing in heavy traffic.
4	Dynamic lockout	1 – Disabled 2 – Enabled	The dynamic lockout further eliminates unwanted brake flashing in heavy traffic. With dynamic lockout enabled the lockout time would increase beyond the initial value when the brakes are repeatedly engaged.

Mode changing procedure:

To put the flasher into the configuration mode short white wire to the ground (black) for a brief moment. To save the parameter and move to the next one short white wire to the ground until a fast confirmation flashing sequence is displayed. Every time parameter is saved flasher moves to the next one, where it would blink several times corresponding to the value parameter is currently set to. To start over just power off the flasher for a couple of seconds and repeat the steps.

Configuration steps:

1. Push the vehicle brake pedal so the brake light is illuminated (ask somebody for help or put something heavy on the brake pedal).
2. The first time the brake pedal is pushed brake light will play the default flashing pattern. Then the brake light will stay ON.
3. Quickly short and disconnect the white wire to the ground to go into settings mode. The flasher will flash three times and switch OFF the vehicle brake light.
4. The first setting is the **Number of light flashes**. After the flasher is put into the configuration mode light will blink several times equal to the current number of flashes value. If the number of flashes is set to four then the light will blink four times.
5. At this time there are two choices, either change the setting or move on to the next one.
6. To change the setting, quickly short white to the ground and disconnect. The parameter value will increase by one and the light will blink according to the changed value.
7. To confirm and save the setting short white and ground, and hold it together for about 2 seconds until the light starts rapidly flashing.
8. Once the setting is saved the flasher will move on to the second parameter which is the **Flash rates**. You can either change it or move on to the next parameter by shorting white and ground like it was done in step #7.
9. Continue with flasher configuration changes to the Lockout Time and Dynamic Lockout repeating the steps above.
10. Once desired parameters have been changed exit the configuration mode by powering off the flasher.

Watch the YouTube video showing how to connect and configure the flasher: <https://youtu.be/XxDzMfnFT2Q>