

# Brake Light Flasher M1. Manual.

## **!!! Warning !!!**

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

**3rdbrakeflasher@gmail.com**

**3<sup>rd</sup> Brake light flasher creates brake light flashing effect to catch attention of the drivers behind and avoid dangerous rear end collision. 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.**

Supply voltage: 12V

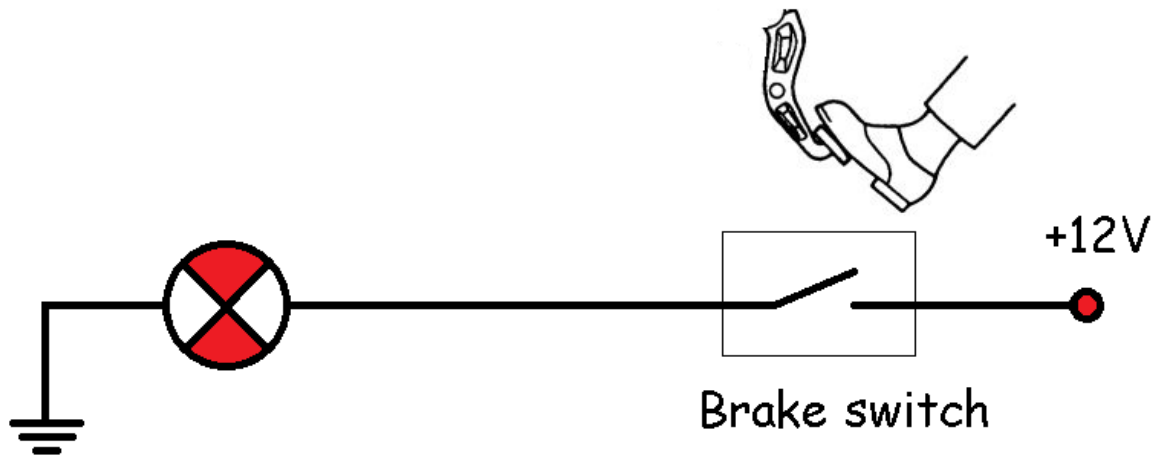
Max current: 8amp or 100watt bulb.

**Tools required for installation:**

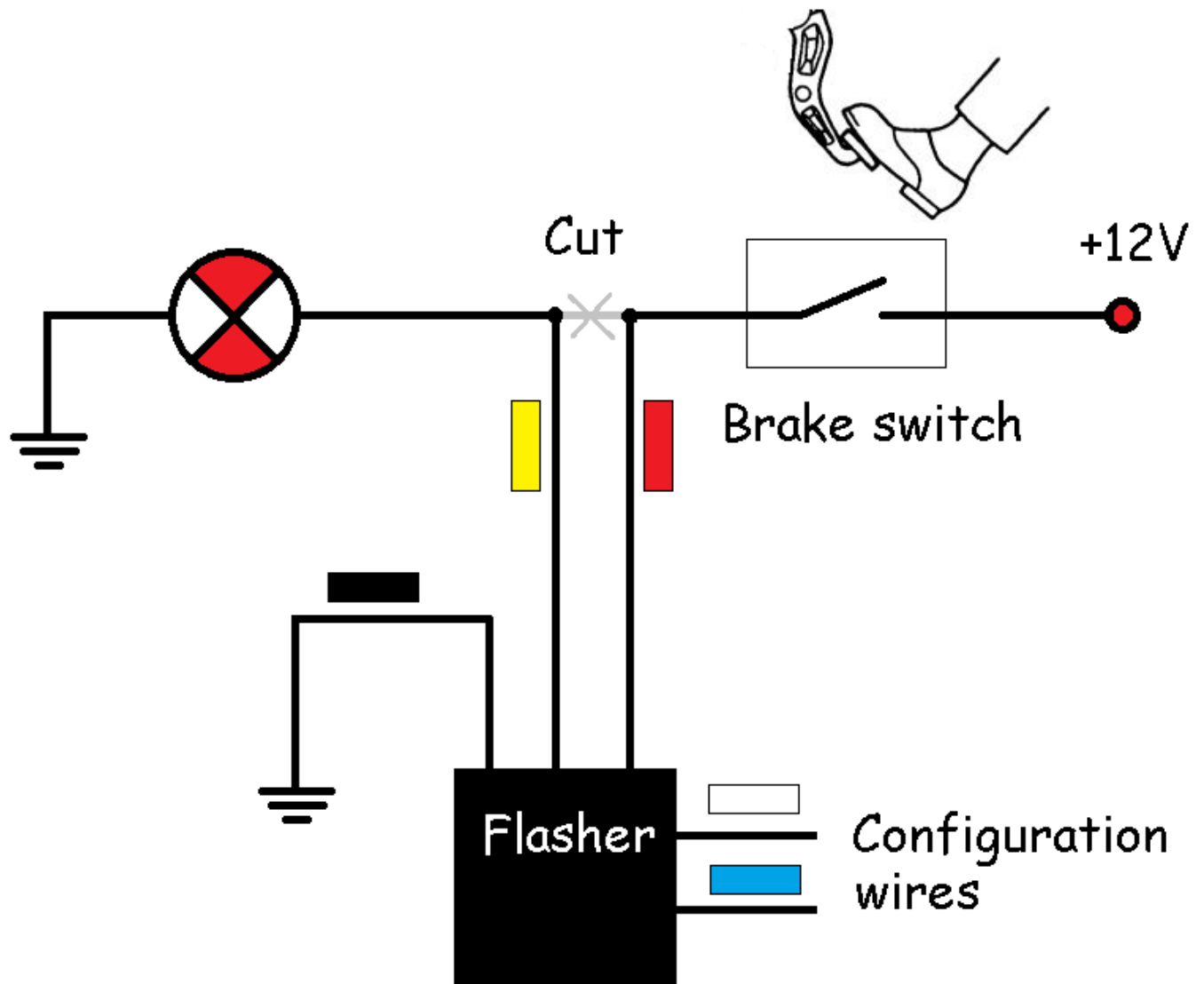
**Wire crimper tool (found in any auto / home improvement store).**

## Installation

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



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



3. Now using provided quick splice connector attach flasher module **BLACK** wire to the **ground** wire.
4. Connect module flasher **YELLOW** wire to the wire leading to the bulb.
5. White and Blue are configuration wires.
6. Installation is complete.

## Light flashing options:

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

	Parameter	Value	Description
1	Flashing mode	1 – Standard 2 – Fast flashing followed by slow flashing. 3 – Continues change of flashing rate from high to slow	Standard mode will flash light with preset rate. In the mode #2 light will flash with preset rate and then repeat but with rate three times slower than preset one. In the mode #3 light will start flashing with preset rate and with every cycle flashing rate will decrease.
2	Quantity of light flashes	From 1 to 16	Number of flashing cycles.
3	Light flashing rate	Twenty five different rates, from very fast to very slow	Flashing rate.
4	Continues mode	1 – Repeat after 6 sec 2 – Repeat after 12 sec 3 – Repeat after 18 sec 4 – Repeat after 24 sec 5 – Continues mode disabled 6 – Continues flashing without delay	With continues mode selected light will cycle through flashing pattern with preset delay. So with mode set to #1 and brakes continuously engaged light will cycle through flashing sequence, wait for 6 second and repeat. In mode #5 repeat of the flashing pattern does not happen until vehicle brakes are disengaged.

## **Mode changing procedure:**

3<sup>rd</sup> brake flasher module has number of different flashing mode combinations. To go into settings mode short white and blue wires together for a brief moment. To save parameter and move to the next one short white and blue wires together until fast confirmation flashing sequence is displayed. Every time parameter is saved flasher moves to the next one, it would blink number of times corresponding to the value parameter is currently set to. To start over just power off the flasher for a couple seconds and repeat the steps.

Configuration steps:

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