

3rd Brake Light Flasher Installation Manual.

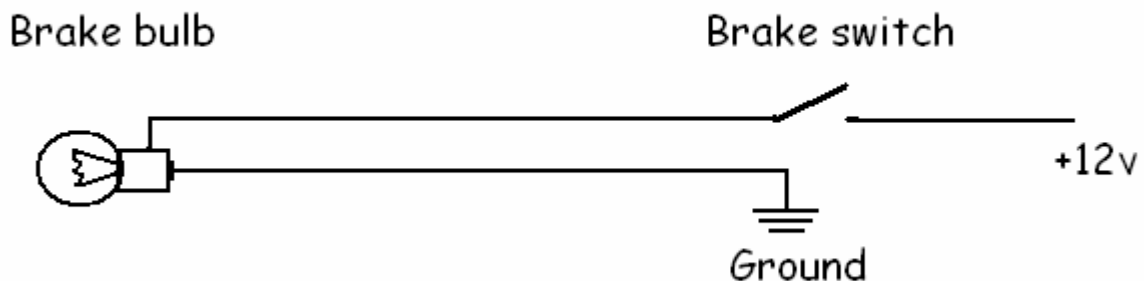
3rd Brake light flasher allows creating brake flashing effect from third brake light to catch the attention of drivers behind. The flasher module is a microprocessor based circuit specifically designed for third brake light operations and packaged in a very tiny package so it can fit behind any third brake light assembly. It works on both LED and incandescent bulbs (4amps max). Module has total of 13 flashing modes described in the table below.

Tools required for installation:

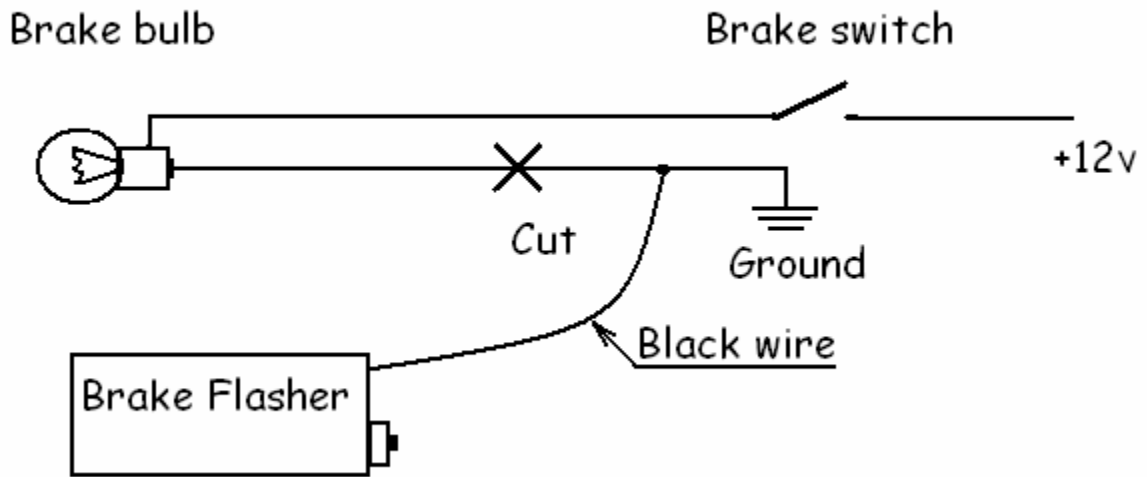
Wire crimper tool (found in any auto / home improvement store)

Installation

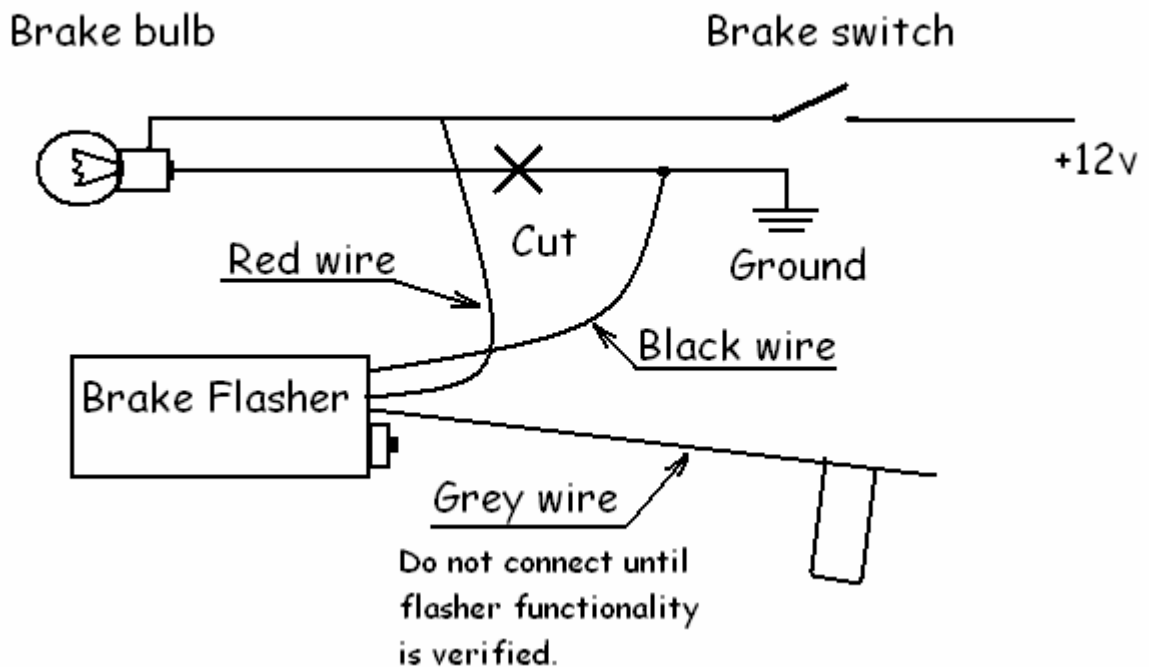
1. Get access to the 3rd brake light assembly, disassemble it to get access to wires. There will be two wires leading to the brake bulb one is ground and other is power (+12v when brake pedal is pushed). You need to figure out which wire is ground and which is power. Use voltmeter or referer to the car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



2. Cut the ground wire (yes, brake flasher module uses ground wire to control the bulb) and connect flasher module *black* wire to it. Make sure you used ground wire going to the car and not the bulb.



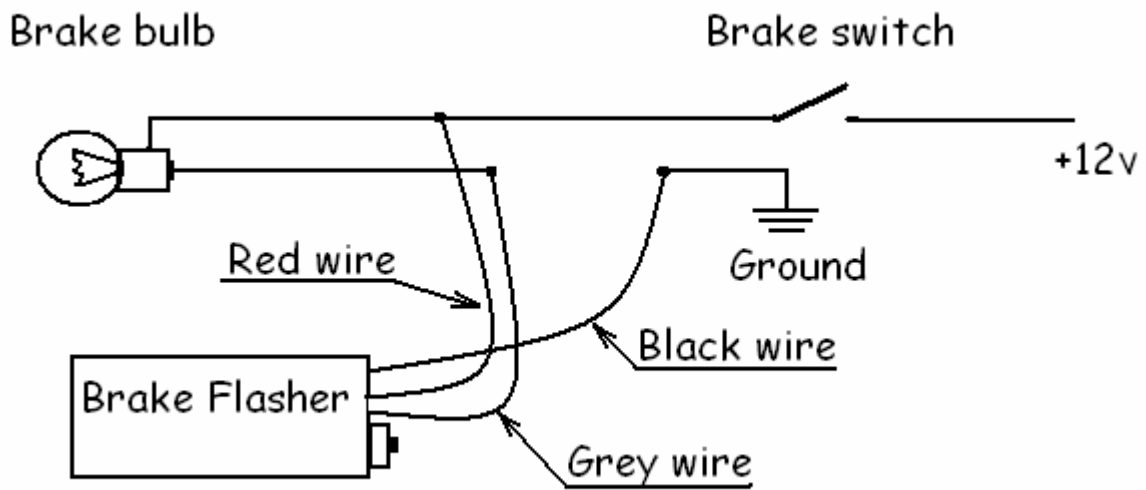
- Now using provided quick splice connect attach flasher module **red** wire to the bulb **power** wire.



- Do not connect **grey** wire yet. It is important to verify proper **ground** and **power** flasher module connections first. Push the brake pedal and watch the brake flasher internal LED to flash. If it does then **power** and **ground** connections are ok. If LED does not flash **ground** and **power** wires were not properly identified. Flasher module can be tested with smoke

alarm 9V battery. Connect **black** and **red** wires to “-“ and “+” terminals of the battery. The internal LED should light up.

5. Once you verified the flasher internal LED lights up connect module **grey** wire to the wire leading to the bulb.



6. Flasher hookup is now completed.

Mode changing procedure

3rd brake flasher module has total of 13 modes (see table at the end of the manual). Use the flasher button to switch the modes. In order to switch the mode follow the steps:

1. Push the brake pedal so the brake light is illuminated (ask somebody to help you or put something heavy on the brake pedal).
2. Push and release flasher module button. Flasher will switch to the next mode and flash selected pattern. Continue pushing and releasing the button to switch to the next mode until desired mode is reached.
3. Mode 13 is the Off mode. In this mode the flashing function is turned off and light will function, as module is not even installed.
4. Once mode 13 is reached the next push of the flasher mode button will set the mode #1 and so on.

Flashing modes:

Mode #	Frequency of light flashes	Re-activation period, sec	Comments
1	Fast	0	Best suited for LED lights
2	Fast	0	Best suited for LED lights
3	Fast	0	Best suited for LED lights
4	Fast	0	Best suited for LED lights
5	Medium	0	Best suited for LED and Incandescent light
6	Medium	0	Best suited for LED and Incandescent light
7	Medium	0	Best suited for LED and Incandescent light
8	Medium	0	Best suited for LED and Incandescent light
9	Slow	0	Best suited for Incandescent light
10	Slow	0	Best suited for Incandescent light
11	Slow	0	Best suited for Incandescent light
12	Slow	0	Best suited for Incandescent light
13	-----	-----	Flashing is disabled. Off mode.