i-Brake *plus*
Product installation instructions

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Divina Tech

From organics to mechanics, the flow of form to function.

i-Brake *plus*
Programmable flasher

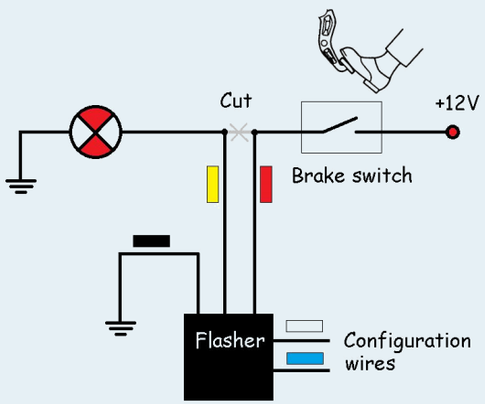
i-Brake *plus* 3rd Brake light flasher creates a unique brake light flashing effect to catch attention of the drivers behind and avoid dangerous rear end collision.

The flasher module is a microprocessor-based circuit specifically designed for brake light operations and packaged in a very small form factor. So tiny that it can fit behind any brake light assembly.
It works on both LED and incandescent bulbs. The module has over 1000 flash combinations that you can configure.

A unique re-activation delay can be activated to minimize annoyance of brake light flashes when brakes are used in heavy traffic.

Supply voltage: 12 - 14V
Max current: 8 amp or 100 watt bulb.
Works on both LED and incandescent bulb.

For up to date installation instructions and videos visit www.divinatech.com



Installation

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

Installation

Please read the entire manual before connecting, mounting and configuring the G-Brake.

Find 3rd brake light assembly, remove the cover to get access to wires. Find two wires leading to the bulb: ground and power. Use voltmeter or refer to the vehicle wiring diagram to correctly identify those wires.

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.

Now using provided quick splice connector attach flasher module BLACK wire to the ground wire.

Connect module flasher YELLOW wire to the wire leading to the bulb.

White and Blue are configuration wires.

Installation is complete.

Flashing configuration and programming

From the factory, the i-Brake *plus* is configured to flash sixteen times with high flash rate.

Follow the procedure in the following pages to change flasher's light pattern.

Mode changing procedure:

The i-Brake *plus* module has number of different flashing mode combinations.
To go into the settings mode, short the white and blue wires together for a brief moment.
To save your setting and move to the next one, short the white and blue wires together until a fast confirmation flashing sequence is displayed.
Every time a parameter is saved, the i-Brake *plus* moves to the next one, it would blink number of times corresponding to the value parameter it is currently being set to.
To start over just power off the flasher for a couple of seconds and repeat the steps.

Configuration steps:

Push vehicle brake pedal so brake light is illuminated (ask somebody for help or put something heavy on the brake pedal).

The first time the brake pedal is pushed, the brake light will play default flashing pattern. Then the brake light will stay ON.

Quickly short and disconnect the white and blue wires to go into settings mode. The i-Brake *plus* will blink three times and switch OFF the vehicle brake light.

The first setting is Flashing mode. After the i-Brake *plus* is switched to the Settings mode, the light will blink a 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.

At this time there are two choices, either changing the setting or move on to the next one.
To change the setting, quickly short white and blue wires together and disconnect. Parameter value will increase by one and the light will blink according to the changed value.

To confirm and save the setting, short the white and blue wires and hold them together for about 2 seconds until the light starts rapid flashing.

Once the setting is saved the flasher will move on to the second parameter which is Deactivation Timeout. 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.

Continue with flasher configuration changes repeating the steps above.

Once desired parameters have been changed exit settings mode by powering off the flasher.

	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	Deactivation timeout	1 – No timeout 2 – 3seconds 3 – 5seconds 4 – 10seconds 5 – 20seconds 6 – Dynamic Timeout	Deactivation period starts when the brake pedal is not engaged. If mode #1 is selected flasher will cycle through pattern every time brake is pressed. With deactivation timeout set flasher will cycle through pattern first time brake is engaged, but then will wait for a period of time before the flashing cycle can be shown again upon brake engagement. Dynamic Timeout mode is great for vehicle often driven in heavy traffic. The mode designed to dynamically increase the timeout when brakes are repeatedly applied. In the Dynamic Timeout mode the initial timeout is set to 3seconds. After the first brake use the flasher starts timeout countdown and if the brakes are used again until the timeout period expires the timeout is set to the next level (5seconds). Timeout countdown restarts and if brakes are used again until timeout expires the timeout is set to 10 second and so on, to 20 and 40 seconds. Effectively the flasher is disabled until the brakes are not used for 40 seconds. After timeout expires the timeout value is reset to 3 seconds.
3	Light off intensity	Twelve levels	This mode allows you to select either Flashing mode (flash lights ON and OFF) and the Pulsating mode (flash light between full on and partial intensity/dimmed). In the pulsating mode the light is never turned OFF, instead it goes between fully ON (high intensity) and dim (low intensity). The user selects the intensity level for the dim phase of the flashing. NOTE: If the intensity is set to full brightness (12) you might NOT see the light flash. Set it so the light is completely off (0) for initial testing.
4	Quantity of light flashes	From 1 to 16	Number of flashing cycles.