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HOW TO INSTALL FIAT 500 THIRD BRAKE LIGHT PULSAR

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This kit allows you to create a blinking effect from the third brake light assembly. Placing a small circuit board assembly into the wires that feed the power and ground to the third brake light, this assembly creates a four or six blink pulse to the LED third brake light. This blinking effect alerts car behind you that you are braking. This blinking is configurable and the unit also allows for blinking delay for use in heavy traffic situations.

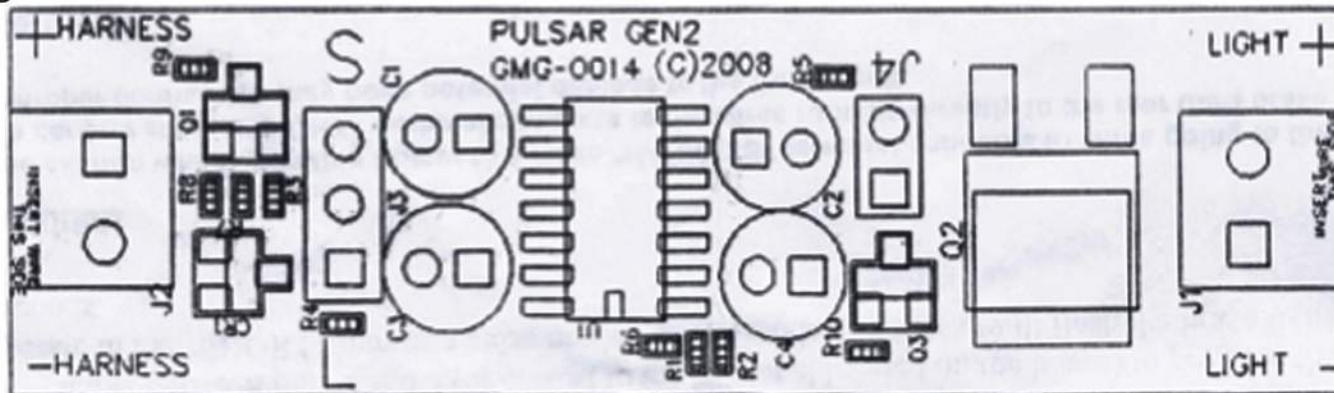
Tools required for Installation:

- Wire Cutters
- Wire Strippers
- Small Straight Slot Screwdriver

Configuration:

The Pulsar needs to be configured prior to installation and connection of the wiring harness to the Pulsar.

Configuration of the Pulsar:



Jumper J4:

When J4 jumper is "installed", SmartPulse mode is ENABLED. With SmartPulse enabled, the Pulsar will monitor brake press events and will automatically limit repeat flashing when in stop and go traffic conditions.

To DISABLE this feature, remove jumper J4. With J4 jumper removed, the Pulsar will flash every time the brake pedal is pressed regardless of brake press intervals or frequency. In both cases (ENABLED or DISABLED) - pulse duration is set by Jumper J3.

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Jumper J3:

"L" Setting:

Set jumper between pins 1 and 2 (or closest to the "L" lable located on the board) to program Pulsar to operate in the "LONG" duration pulse mode. In this mode, the Pulsar will flash the brake light for ~ 6 seconds.

"S" Setting:

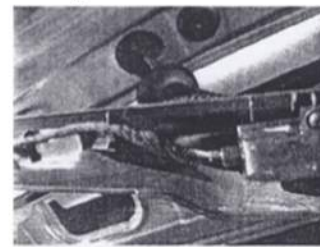
Set jumper between pins 2 and 3 (or closest to the "S" lable located on the board) to program Pulsar to operate in the "SHORT" duration pulse mode. In this mode, Pulsar will flash the brake light for ~ 3 seconds.

Caution:

- Use caution when installing Pulsar to ensure "HARNESS" terminal connects to wires going to the front of the car and ensure "LIGHT" terminal connects to the wires running directly to the rear third brake light.
- Do not remove red bottom side tape as doing so exposes the board to possible damage due to shorting.
- Do not remove BOTH J3 and J4 jumpers as this will cause the Pulsar to continuously flash the brake light.

Installation Instructions:

1. Gain access to the third brake light. You should be able to remove it from its housing with normal tools.
2. With the light removed, locate the wires that are attached from the vehicle to the light, Disconnect the light from the wires if possible. The photo to the right is the location of the wires and the light inside of a trim panel.
3. Unplug the wire from the light and remove the harness from the clip to allow you to work. Cut the power wire and ground wire in the small wiring harness leading to the light and strip each of the four wires approx. 1/8" to expose the wire. Remove the Third Brake Light Pulsar Assembly from the bag and loosen the four screws with a small straight slot screw driver. With the wire exposed, insert the wires into the assembly as shown to the right. (Harness and light side are labeled on Pulsar) and tighten each screw. Your Pulsar has tags on each terminal indicating wire location and connection to harness and light. With the wiring towards the bottom, insert the wires from the harness on the right side of the wires to the light on the left side. The power wire is inserted in the bottom connector and the ground wire is inserted in the top.
4. Turn the car on, depress the brake pedal and make sure the Third Brake Light Pulsar is working correctly.
5. Position the Pulsar near the light and secure it to the trim panel.
Reinstall removed items in reverse



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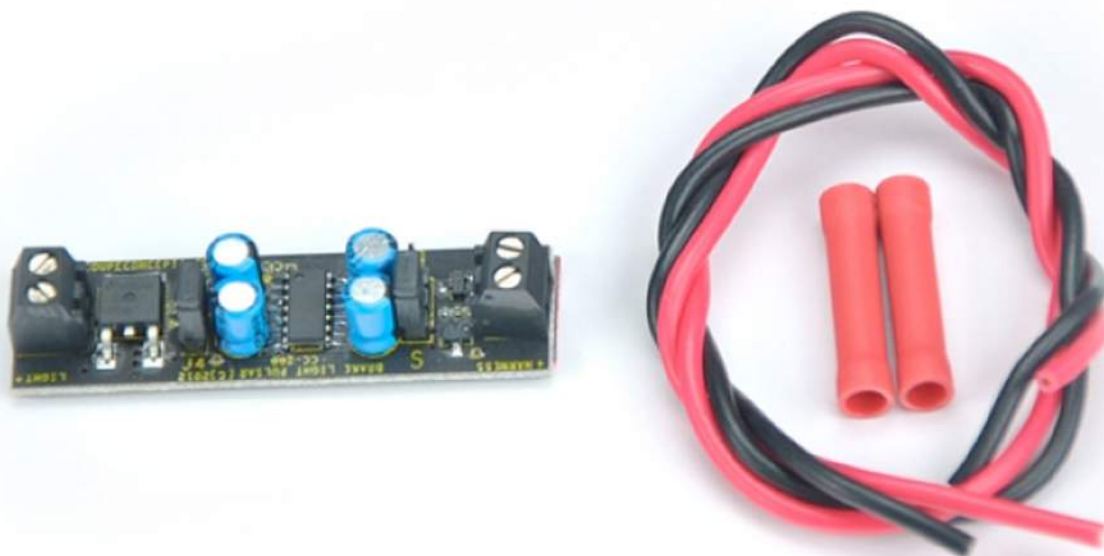


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Disclaimer: These instructions and photographs are for informational purposes only. We are not responsible for any damages that may result in doing the following modification.

These instructions may be useful if you are planning to use the FIAT 500 Third Brake Light Pulsar in your FIAT 500. This guide may help in the installation process. As always, please keep in mind that some modifications you do to your vehicle may affect the warranty and performance of the car. If you are unsure whether or not this modification is right for you, do not hesitate to contact us at **562-981-6800**.

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