

## Third Brake Light Pulsar Kit With SMARTPULSE Technology Mini Cooper Countryman Installation Instructions

This kit allows the owner of the MINI Countryman to create a pulsing effect from the third brake light assembly. The kit places a small circuit board assembly into the wires that feed the power and ground to the LED third brake light. This assembly creates a three to nine flashing pulse to the LED third brake light. This pulsing effect alerts cars behind that you are braking. This pulsing is configurable and the unit also allows for pulsing delay for use in heavy traffic situations.

### The Third Brake Light Pulsar Kit contains:

Third Brake Light Pulsar Assembly

Installation Instructions

### Tools required for installation:

Wire Cutters

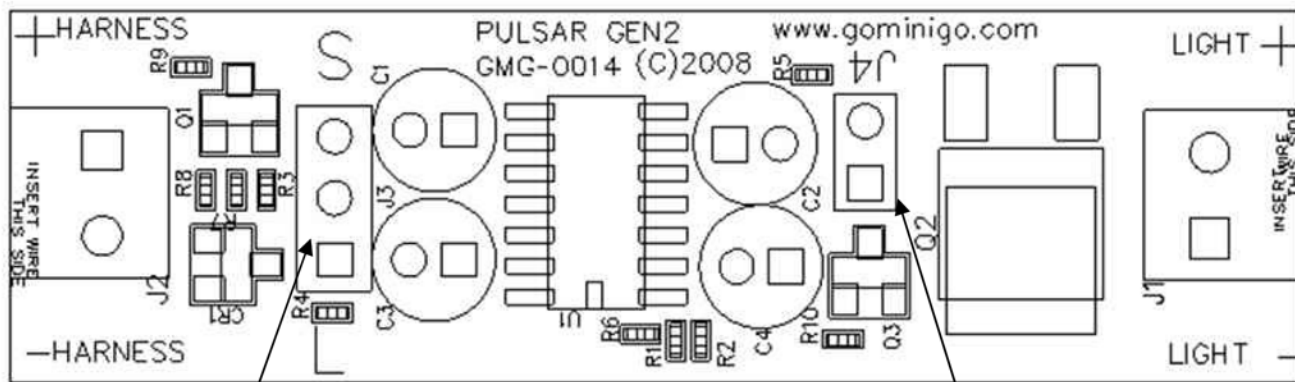
Wire Strippers

Small Straight Slot Screwdriver

### General Instructions for Pulsar Configuration

The Pulsar may need to be configured prior to installation and connection of the wiring harness to the Pulsar. The Pulsar comes pre-configured for short flashing and SmartPulse enabled.

### Configuration of the Pulsar

**Jumper J3****“L” Setting:**

Set jumper between pins 1 and 2 (or closest to the “L” label located on the board) to program the 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” label located on the board) to program the Pulsar to operate in the **“SHORT” duration pulse mode**. In this mode, the Pulsar will flash the brake light for ~ 3 seconds.

**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/go traffic conditions.

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

**Caution:**

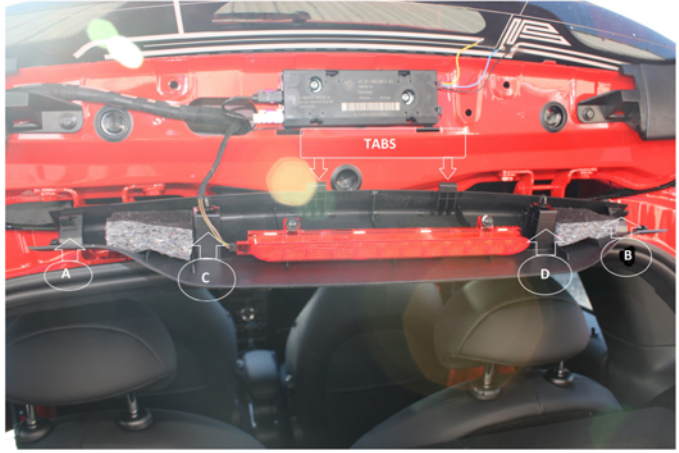
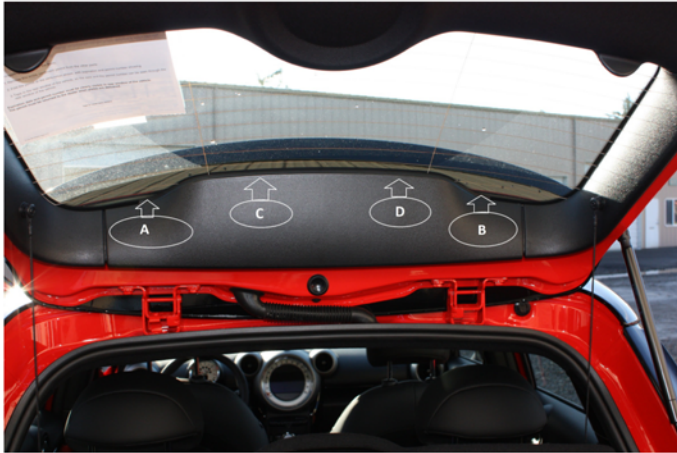
Use caution when installing the Pulsar to ensure “HARNESS” terminal connects to wires going to the front of the car and ensure “LIGHT” terminal connects to the wires running directly to the rear third brake light. Improper connection may pose potential damage to the Pulsar unit.

**Warnings:**

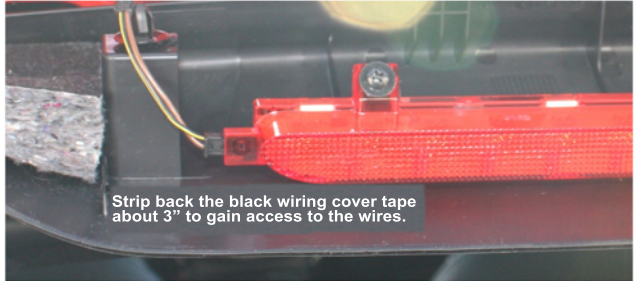
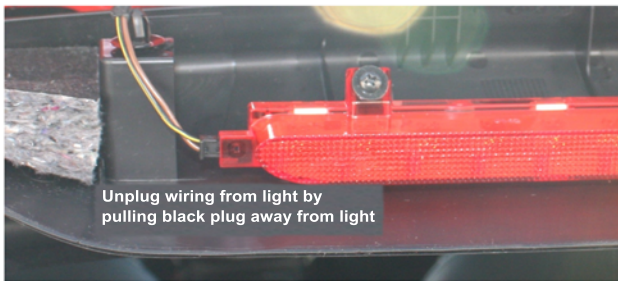
- Do not remove red bottom double sided side tape from the board as doing so exposes board to possible damage due to shorting conditions.
- Do not remove BOTH J3 and J4 jumpers as this will cause the Pulsar to continuously flash the brake light. This mode of operation is not recommended.

**Installation Instructions:**

1. Open the rear boot hatch to obtain access to the screws holding the third brake light. There are two spring clips at locations A and B, and two plastic tabs at locations C and D. Gently pull down on the rear window trim housing on the glass side the trim panel as there are two tabs on the body side of the panel. Once the top side is free the panel will swing down. The photos below show the panel installed and removed.



2. With the panel down in the down position, remove the wiring from the light and place trim panel in safe place. Remove the black cloth tape on the two wires to expose the wires.



3. Cut the Brown and Black/Yellow wires in the center of the small wiring harness and strip each of the four wires approximately 1/8" to expose the wire. Remove the Third Brake Light Pulsar Assembly from the bag and loosen the four screws with the small straight slot screwdriver. With the wire exposed insert the wires into the assembly as show on left Brown (-) and Black/Yellow (+) and tighten each screw. Your pulsar has tags on each terminal indicating wire location and connection to harness and light.
4. Reconnect the wiring back to the light within the trim panel and place the pulsar in the panel in front of the light. Reinstall the trim panel into the hatch, in the reverse procedure ensuring the lower tabs being placed in the slots on the hatch and then swing the trim panel back into and firmly press into place.



5. Turn on the car, depress the brake and make sure the GOMINIGO Third Brake Light Pulsar is working properly.

**Congratulations!** – You have just made your MINI Countryman safer with the:

**Third Brake Light Pulsar Kit**