



**GSTOP® PRO**

[WWW.GSTOP.CO.UK](http://WWW.GSTOP.CO.UK)

## **GSTOP® PRO with Telemetry Logger Overview**

GSTOP® PRO Smart Brake Force Sensing Safety Device for Cars, Motorbikes, Vans and other road vehicles.

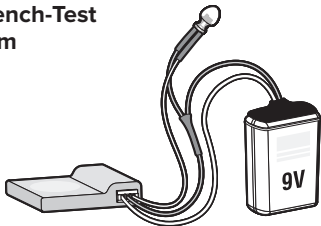
GSTOP® PRO has been designed as a retro-fit EBLD System. EBLD means 'Emergency Brake Light Display' as detailed in European Regulations for road vehicles. GSTOP® does not interfere with normal brake light operation, and only activates under heavy braking.

GSTOP® PRO is factory pre-set and does not require configuration, however, GSTOP® PRO is designed with (Wifi) wireless connectivity for user configuration via the GSTOP® Companion APP.

## **What's in your GSTOP® box**

- 1x GSTOP® PRO
- 3x Wire Connectors (2x 2-way 1x 3-way Crimp Type)
- 1x Universal Wiring Loom
- 1x Bench Test Wiring Loom (requires 9v battery - not included)
- 1x Foam Mounting Pad

## **GSTOP® Bench-Test Wiring Loom**



Your GSTOP® device comes with a 'Bench-Test' wiring loom. You can use this to power up and test how your GSTOP® works before installation. Connecting a 9v battery (pp9) to the battery connector simulates how GSTOP® powers up when the vehicles brake lights are switched on.

## **Operation and Features**

- GSTOP® is inactive when vehicle is stationary
- Activation is triggered automatically by heavy braking
- Activation is deactivated automatically when braking force logic is no longer present
- Dual Stage Inertia Activation
- Does not interfere with vehicle bulb condition monitor
- Does not interfere with normal braking conditions
- FailSafe Design - in case of 'GSTOP®' failure.. the Vehicle Stop Lamp is still operational

## Factory Configuration

Your GSTOP® PRO device has been factory programmed to operate with the following settings:

- Axis: X+
- Trigger.1: 0.6g / @2Hz / 3.0 Seconds
- Trigger.2: 0.8g / @3Hz / 6.0 Seconds
- Duty Cycle: 50%
- Error Correction: Medium
- Data Log: Enabled

To customise your GSTOP® Settings, you will require the 'GSTOP® Companion APP'

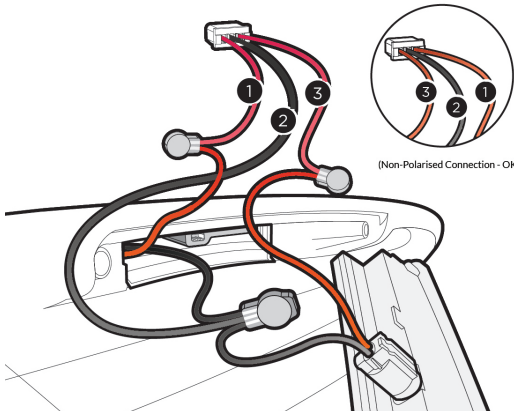
## Wiring Installation

Please Note: You should be competent in automotive wiring before attempting to install the GSTOP® Module. If in doubt, please seek the assistance of a trained professional.

GSTOP® is shipped with a 3-wire universal wiring loom.

Black wire (Terminal.2) must be connected to Vehicle ground / 0v.

Red wires must be connected to the vehicles Brake Light 'Positive' wire. Terminals 1. and 3. are non-polarised, and can be connected in either direction. Please see the attached wiring diagrams:



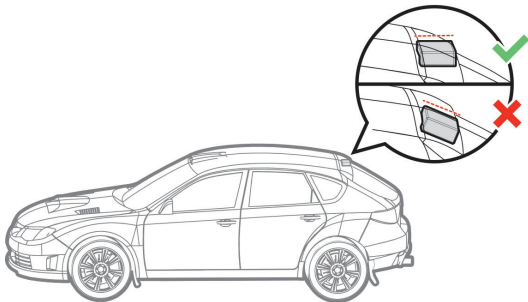


## **Installation (Location Fitment)**

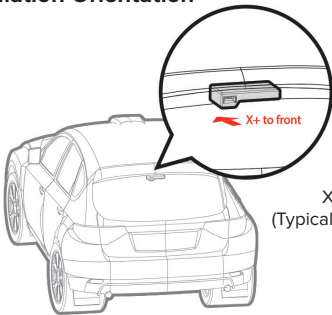
GSTOP® is shipped in a Factory Pre-Set to operate on Axis 'X+'  
Take care to observe the correct axis when fitting the GSTOP®  
Module. Please note, GSTOP® should be installed on a 'level plane  
(to ensure the digital accelerometer correctly measures deceleration)  
Secure GSTOP® in place using Sticky Foam Pad(s) included.

GSTOP® PRO can be configured for installation in different  
orientations, to utilise different axis. If GSTOP® is to be installed  
Vertically, the user should use the GSTOP® Companion APP -  
Wireless Configuration Utility; to select the appropriate axis. Please  
see the APP STORE for more information.

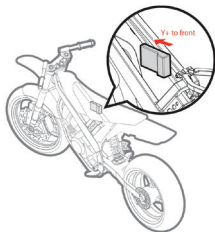
## Installation Orientation



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X-axis Primary  
(Typical Install for Car Roof  
Lining)

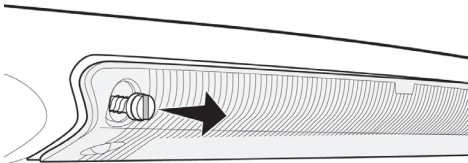


Y-axis (Possible Install  
Angle for Motorcycle)

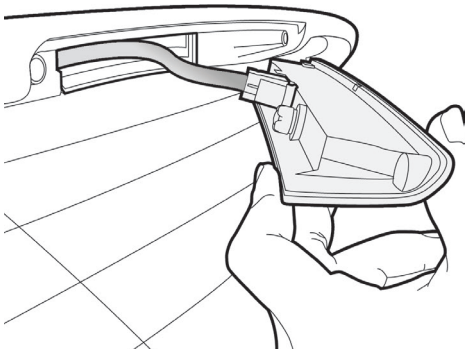


Z-axis (Maybe Vertical Van  
Door Fitment)

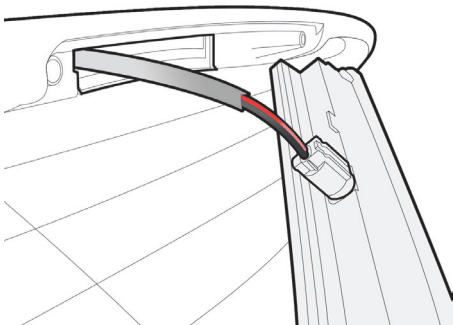
## Brake Light Removal



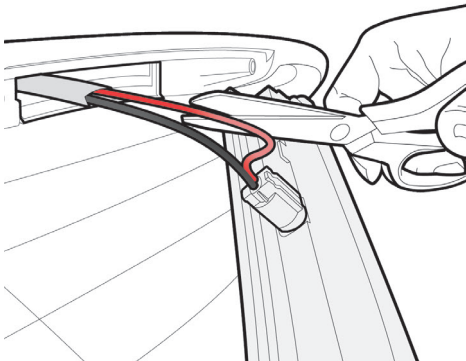
## Brake Light Removed



## Brake Light Wiring (Exposed)



## Cut into Brake Light 12V Feed

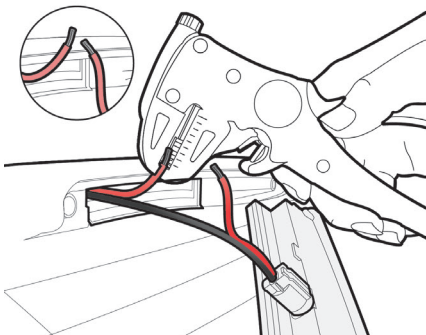




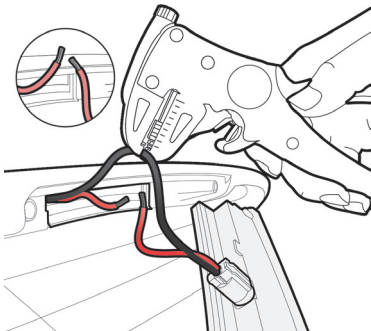
## Prepare Wiring for Connection to GSTOP



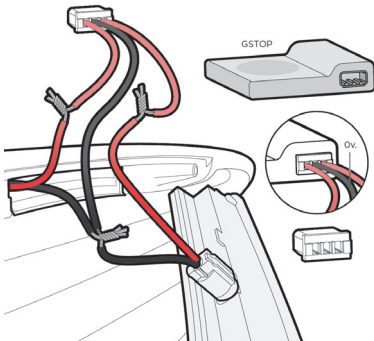
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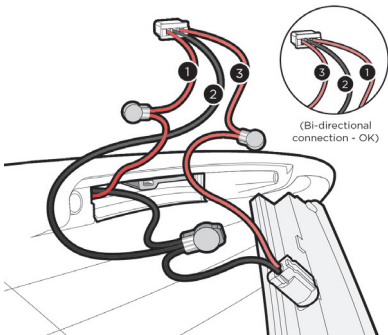
## Strip Insulation on Ground Wire



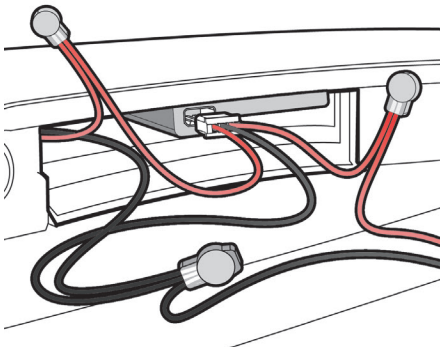
## Shows Basic Connection (If installer wish to Solder)



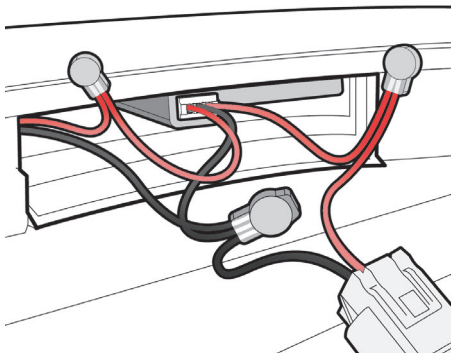
## Shows GSTOP Wiring Install with Supplied Connectors



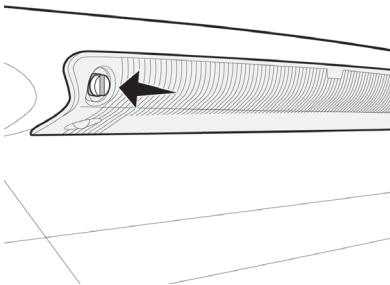
## Connect GSTOP Plug to Installed GSTOP Module



## GSTOP Installed and Connect



## Brake Light Reinstalled





## Configuration

GSTOP® PRO settings and configuration can be updated by the user with the GSTOP® Companion APP. Please search the APP STORE for the “GSTOP” App.



[www.gstop.co.uk](http://www.gstop.co.uk)

## Technical Specification

- Product Encasement: Flame Retardant ABS Plastic
- Moisture Proofing: Protective Lacquer Treated Circuit Board
- FailSafe: Interrupt relay configured 'Normally Closed'
- Dimensions: (L)46mm (W)27mm (D)6mm-10mm
- Connector: 3 Terminal Snap-Fit Type
- Input Voltage: 6v~30vdc
- Power Consumption: <200mW
- Relay Power Handling: Max 2 Amp
- (@6v Max = 12Watt)
- (@12v Max = 24Watt)
- (@24v Max = 48Watt)

Package: Cardboard Box / 90mm x 60mm x 16mm

Shipping Weight: <50g

## Trouble Shooting

**Problem: GSTOP® Does not show up in my wifi list to connect to it?**

Solution: First test GSTOP® on the included 'bench test' wiring loom to confirm correctly working. If GSTOP® presents a wifi signal using the bench test loom, you should check the vehicle install carefully.

**Problem: GSTOP® does not work when braking, but if i keep my foot on the brake a little and accelerate, it works under accelerating?**

Solution: GSTOP® must be install on a 'LEVEL' plane. If GSTOP® is tilted backwards, Gravity will effect the active axis accurate metering ability. (You can also 'Zero' the selected Axis using the GSTOP® Companion APP by selecting the appropriate Axis in settings, once selected, the selected Axis will automatically 'Zero')

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## Help and Support

For help and advise, please consult our website for more information  
[www.GStop.co.uk](http://www.GStop.co.uk).

### **Compliance:**

UK/EU Road Legal: E/ECE/324 E/ECE/TRANS/505  
(in factory configuration)

CE Approved  
FCC Exempt CFR47:15.103(a)

Directive WEEE (2002/96/EC)  
The product is in compliance with the directive WEEE.

**GSTOP® Produced by - Make-It-In-Shenzhen.com**

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## **Warranty**

- GSTOP® hardware has a 1 year manufacturers warranty. If in event of a claim, please see our website for return information. [www.GSTOP.co.uk](http://www.GSTOP.co.uk)

## **Liability**

The Company does not accept any liability to the Customer for any indirect or consequential loss or damage, or for any direct or indirect loss of data, profit, revenue or business in each case, however caused, even if foreseeable.

The background of the image is a complex, abstract pattern. It features a series of parallel diagonal lines in various shades of gray, creating a sense of depth and movement. Overlaid on these lines are numerous geometric shapes, including squares, rectangles, and circles, some of which are solid and others appearing as outlines or cutouts. The overall effect is a dynamic, architectural composition that resembles a stylized map or a modern graphic design.

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