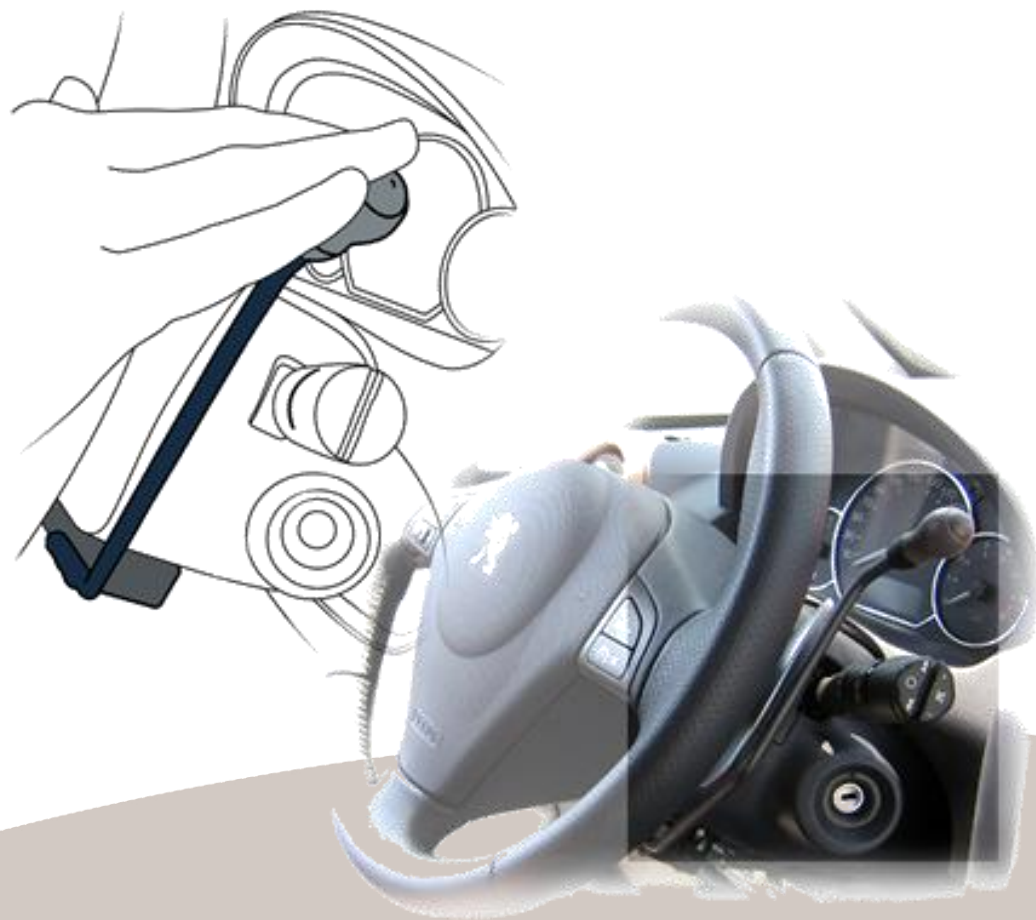




## ACCEL III

### *Installation instructions*



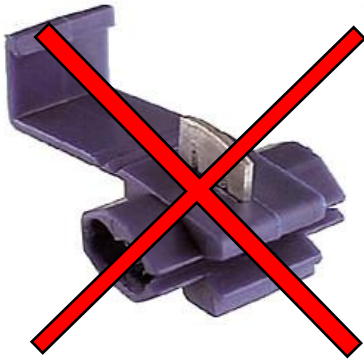


## Table of contents

<b>RECOMMENDATIONS CONCERNING THE ELECTRICAL CONNECTIONS .....</b>	<b>4</b>
<b>ACCEL® III PRESENTATION .....</b>	<b>5</b>
<b>ACCEL® III INSTALLATION .....</b>	<b>6</b>
ACCEL® III WIRING .....	6
ACCEL® III QUICK DIAGNOSIS .....	11
COMMAND BOX MOUNTING .....	12
<b>ACCEL® III SPARE PARTS .....</b>	<b>12</b>
<b>TECHNICAL SPECIFICATIONS .....</b>	<b>15</b>

## Recommendations concerning the electrical connections

**It is forbidden** to use quick coupler / rapid connector for your electric wiring.  
See below some examples:



**It's imperative to disconnect the battery.  
Weld the wires amongst them.**



**If you do not follow these recommendations, SOJADIS won't be responsible for any malfunction.**

## ACCEL® III presentation

ACCEL® III includes two identical acceleration commands located on both sides of the steering wheel. The precise amount of acceleration is achieved by pushing down those commands.

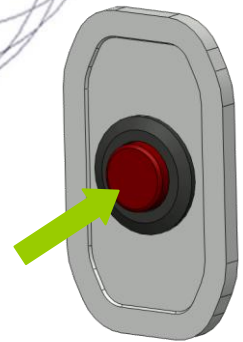


The box mounted under the steering wheel makes possible the conservation of the air-bag.

Two possible choices of driving :

- Conventional, with accelerator pedal
- Manual, with ACCEL® III

A power push-button associated with an indicator, enables the manual mode.



ACCEL® III can be installed on all kinds of vehicles equipped with automatic transmission and power accelerator pedal.

A *Manual Brake* can be installed with this system.

## ACCEL® III installation

### ACCEL® III wiring

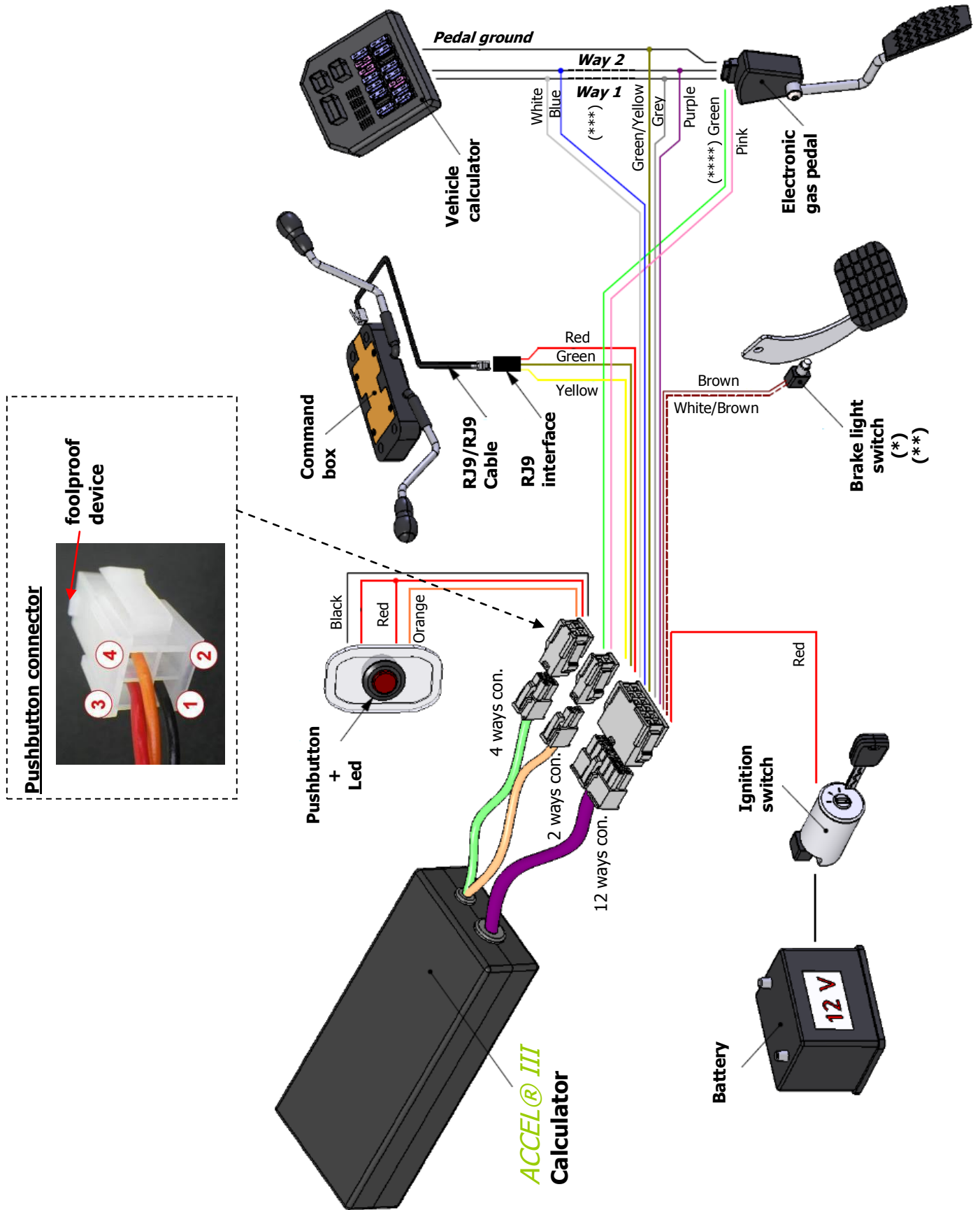
See Wiring diagram next page

Notes :

- \* : Make the connexion on both sides of Stop contact normally open.
- \*\* : Some vehicles are equipped with 2 Stop LED lights, slightly illuminated when in LOW BEAM. In this case, please contact **SOJADIS** or Your supplier/dealer.
- \*\*\* : Way 1 (White wire on Calculator side and Grey wire on pedal side) and Way 2 (Blue wire on Calculator side and Violet wire on pedal side) are analogical ways, parametrizable from 0 to 5 V.  
If the vehicle's signals are not analogical or linear and/or if they are not included in this line, please contact **SOJADIS** or your supplier.
- \*\*\*\* : **ACCEL® III** integrates one parametrizable contact (Pink and Green wires) as *Contact Repos* (closes up at acceleration) or Contact Kick Down (closes up at the end of acceleration).

The second one disables the speed-limiting device (see use examples below).

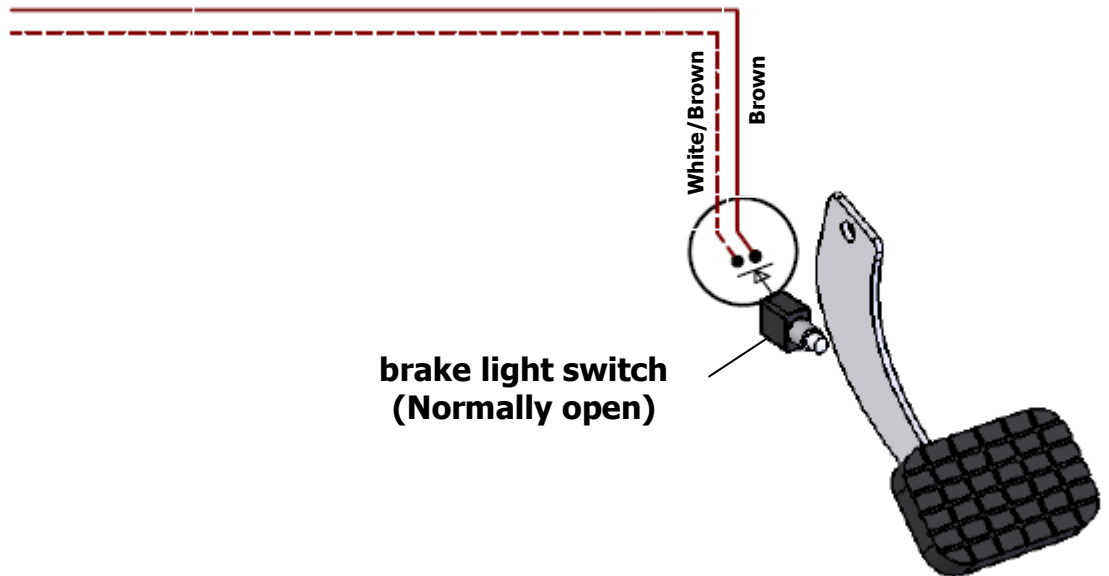




Brake contactor Wiring :

Use of the contactor of origin :

**ACCEL® III**  
**Calculator**



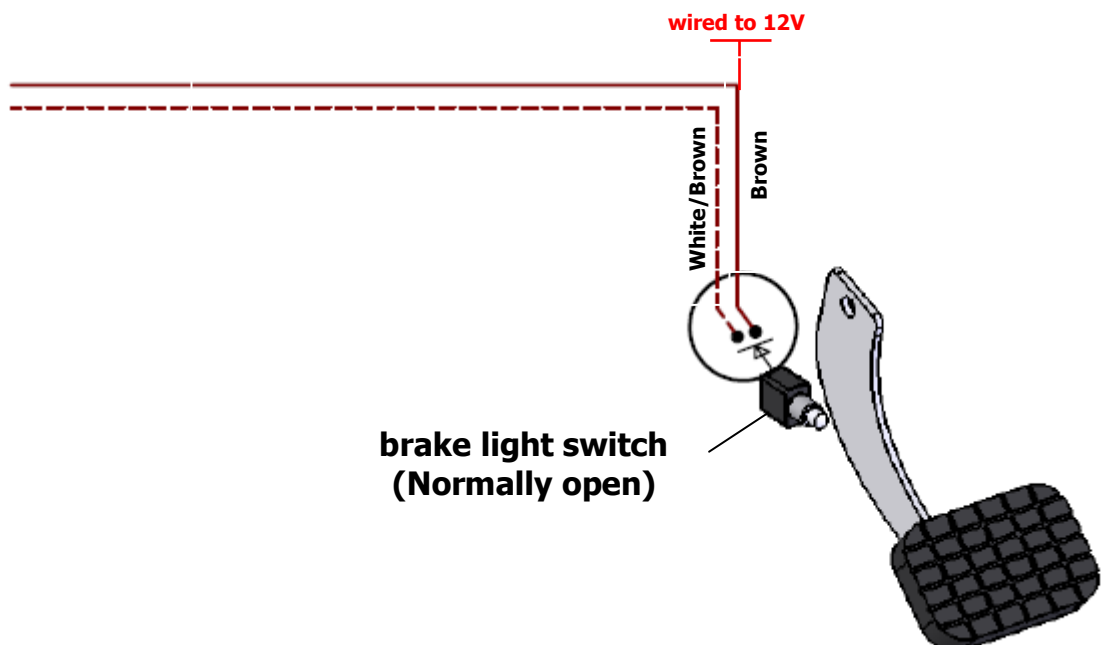
**brake light switch**  
**(Normally open)**

If the vehicle has a normally open brake light switch and has no LED stop lights, wire the 2 brown wires on both sides of the brake light switch.

**T**  
Use of another brake light switch:

If you cannot use the vehicle brake light switch of origin, put in place another contactor on the brake pedal and wire it like below:

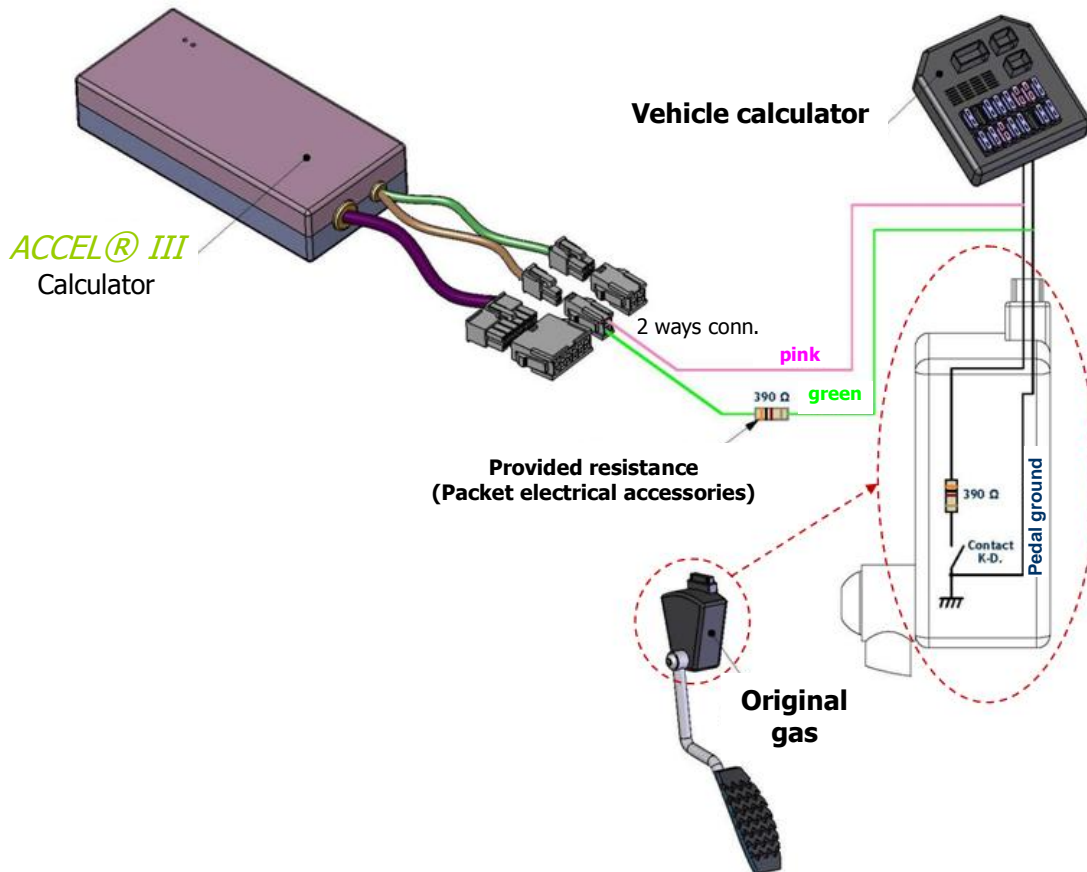
**ACCEL® III**  
**Calculator**



**brake light switch**  
**(Normally open)**

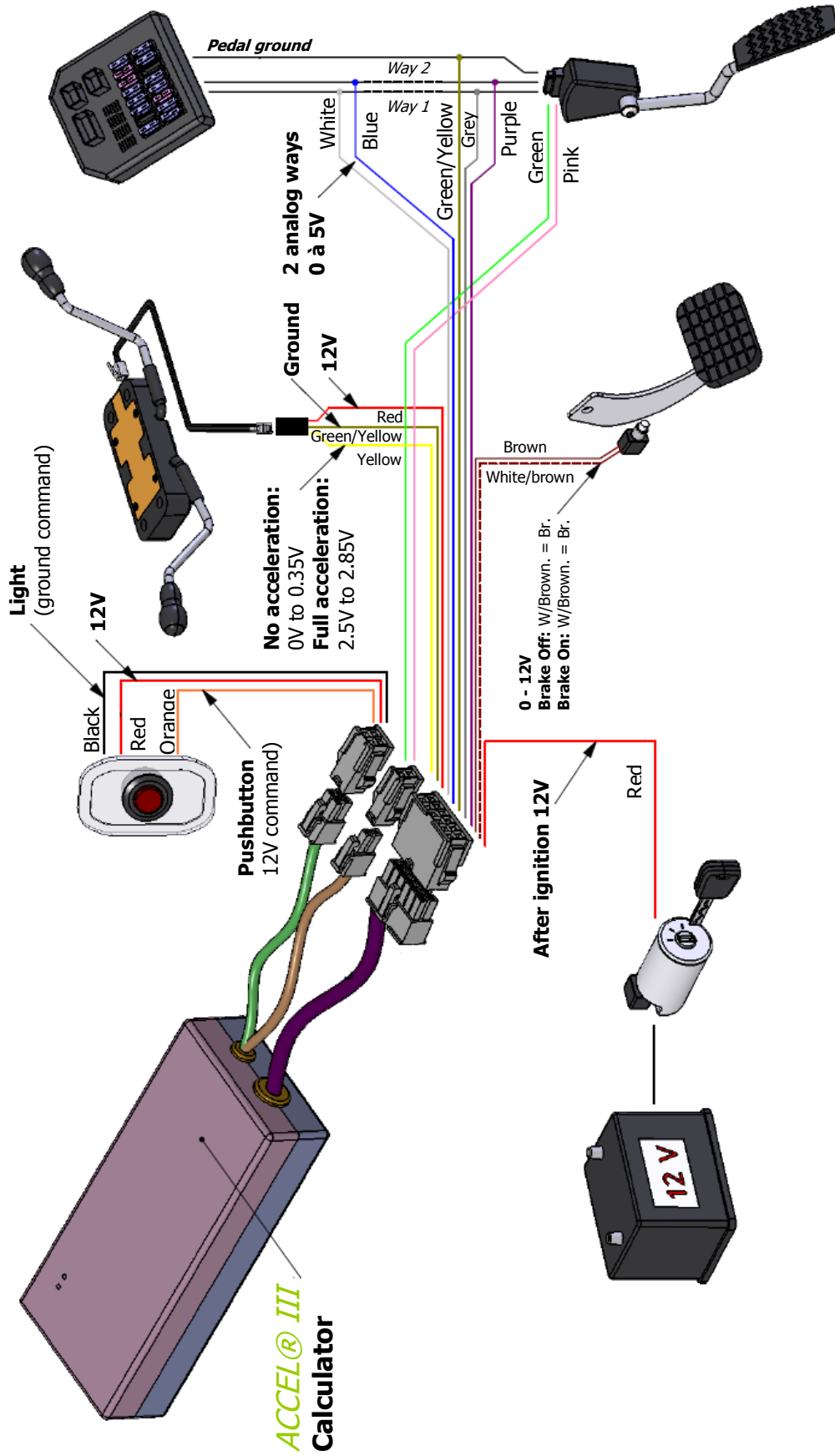


Use example of Kick Down Contact to disable the speed-limiting device on PEUGEOT and CITROEN vehicles :



The Kick-Down contact of the car closes up at the end of pedal's acceleration stroke allowing the driver to disable the speed limiting device if needed.

**ACCEL® III** Kick-Down contact activated and with 390 Ω resistance, when wired as indicated below, makes possible to disable the speed limiting device by pushing the commands to the maximum extend.

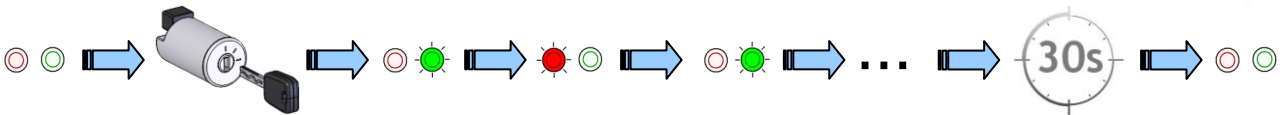


**ACCEL® III** Quick diagnosis

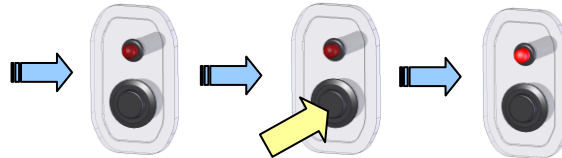
The red and green LEDs on the calculator enable quick and easy system diagnosis.



- Switch on the system:



- from the car starting, the red and green LEDs are winking alternately.
- **ACCEL® III** can be switched on (by pressure on the push button) within 30 seconds following the cars starting.

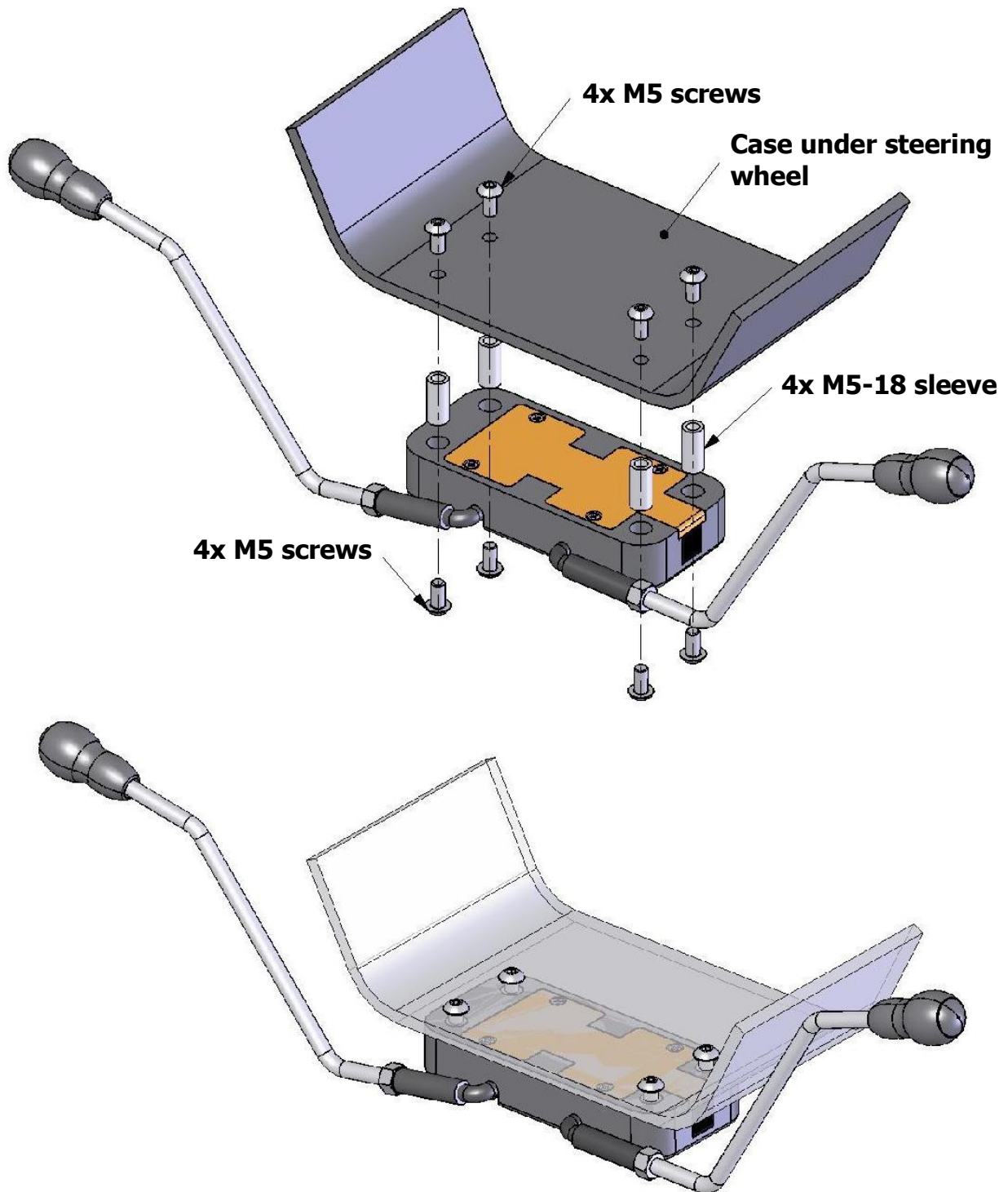


- After the activation, the red Led next to the push button are lighting.
- If the **ACCEL® III** is not activated in the 30s, we have to switch off the car and switch on again in order to activate it.

- ACCEL® III** diagnosis

Function	Leds	Indicator
Contact off		
Contact on – 30 first seconds Waiting for the <b>ACCEL® III</b> activation		
Contact on – after the 30 first seconds <b>ACCEL® III</b> activation impossible		
Brake pulled (with <b>ACCEL® III</b> activated)		
Commands <b>ACCEL® III</b> loosen (with <b>ACCEL® III</b> activated – brake not activated)		
Commands <b>ACCEL® III</b> pushed (with <b>ACCEL® III</b> activated – Brake not activated)		
Commands <b>ACCEL® III</b> « all out » pushed (with <b>ACCEL® III</b> activated – brake not activated)		

## Command Box mounting

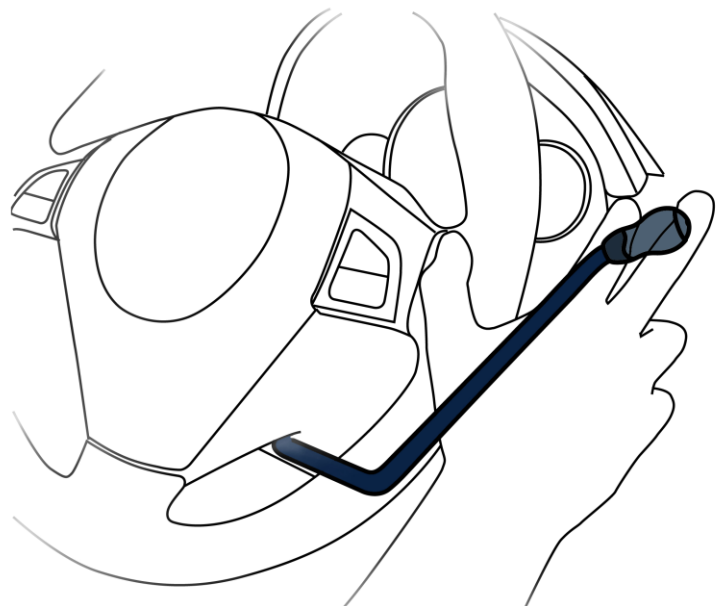


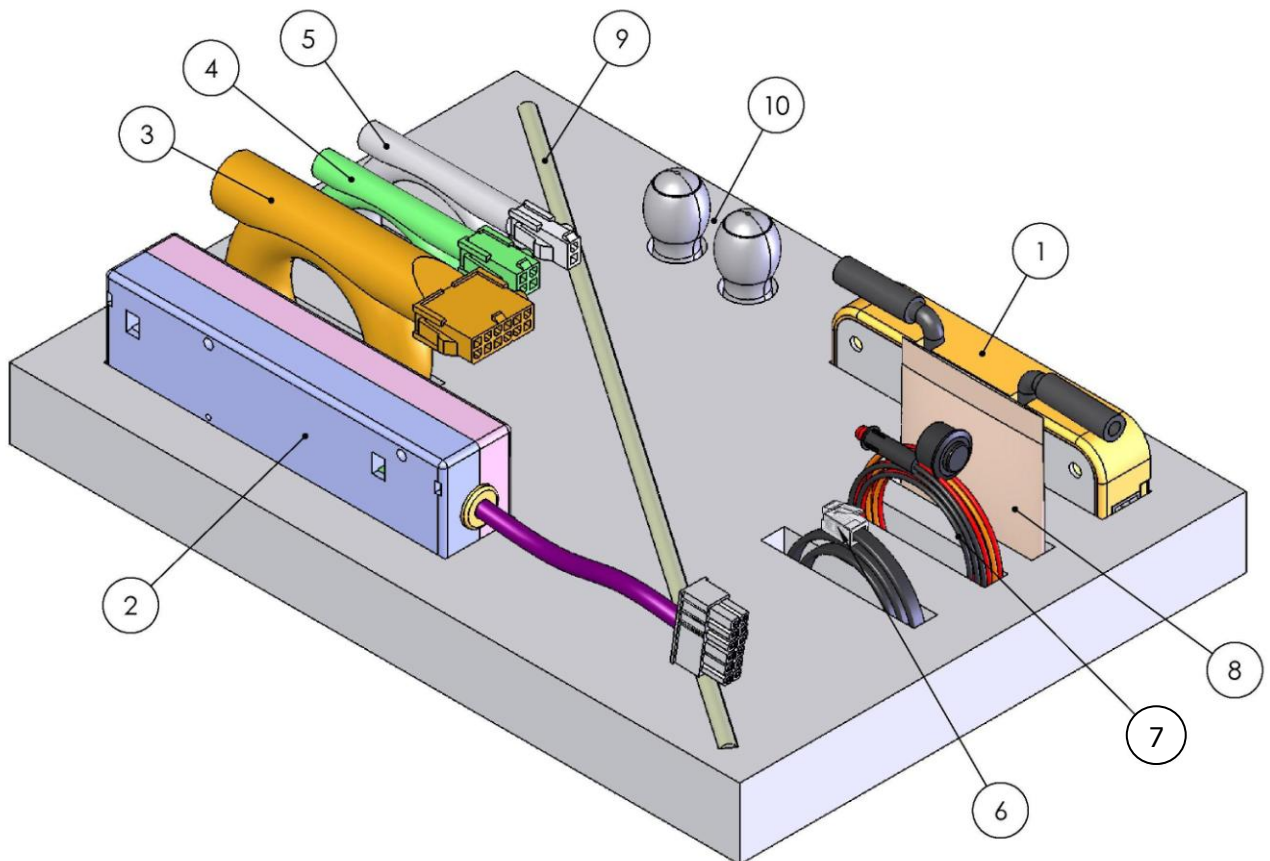
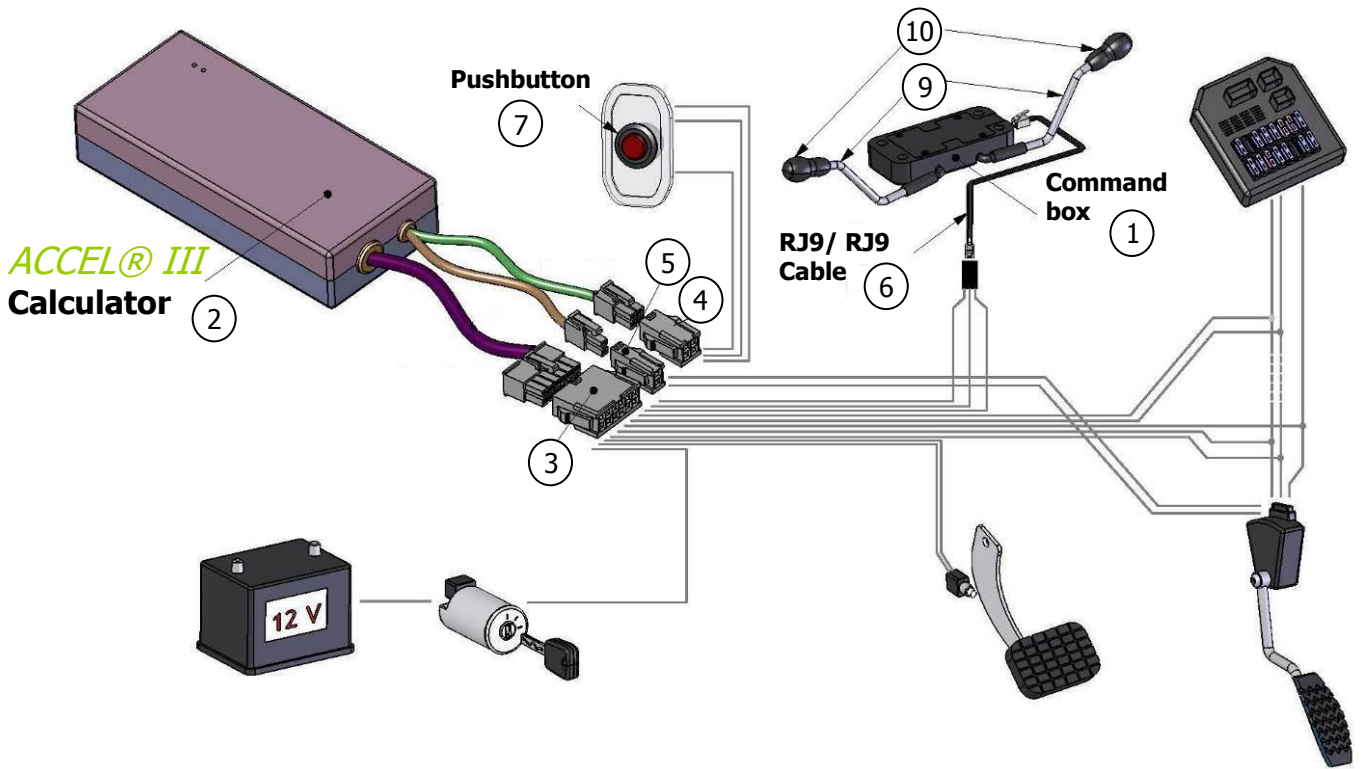
This mounting method is not objectionable for the driver and gives the possibility of an easy removal of the command box without removing the casing under steering wheel.

## ACCEL® III spare parts

See diagrams next page.

Marks	Référence	Designation	Quant.
1	COM2	Command box	1
2	CAL	Calculator	1
3	F2-ACC	Wire harness 12 ways	1
4	F7-ACC ou F14-ACC	Wire harness 4 ways	1
5	F6-ACC	Wire harness 2 ways	1
6	F1-COM	Cable RJ9 - 1m	1
7	SV-COM	Pack of screws (for command box) 4 sockets M5-18, 8 screws BHC M5-10, 2 nuts M6 4 screws M5, 4 grommets M5, 1 resistor 390 ohm	1
8	BP-ACC	Push-button and LED set	1
9	EG-ACC	Set of 2 hand levels and 2 sheaths thermo (2x35cm)	1
10	M6-ACC	Grip M6 black	2





## Technical specifications

Operating temperature:

- - 40° et + 85°C

Power:

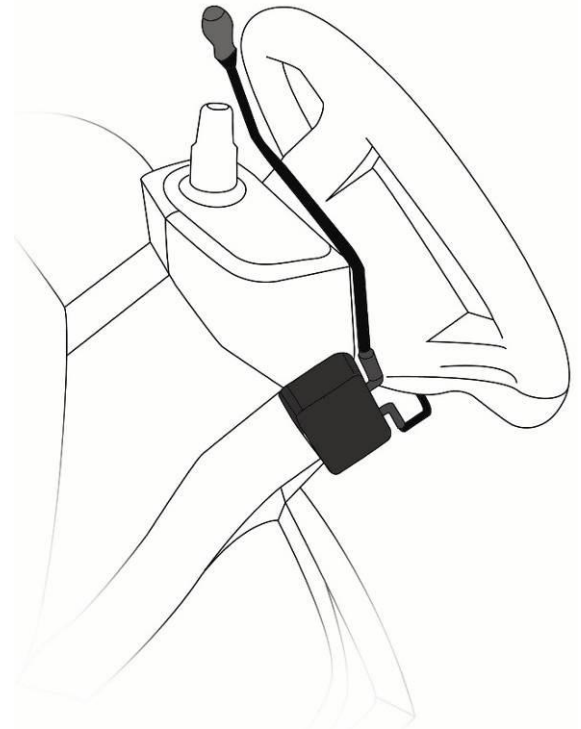
- 12 V (10 - 16 V)

In compliance with regulation 95/54/EC

Simulation of electronic information of the accelerator pedal :

- 2 analogical linear ways, increasing or decreasing, parameterizable from 0 to 5 V.
- 1 parameterizable contact closable at the beginning or at the end of pedal travel.

⇒ For any vehicle needing different signals, please contact **SOJADIS** or your dealer.





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