

Electric lighting Alleweder

Assembly instructions



Congratulation for your order ! The electric lighting systeme will improve the Alleweder and let your use it more often with safety !

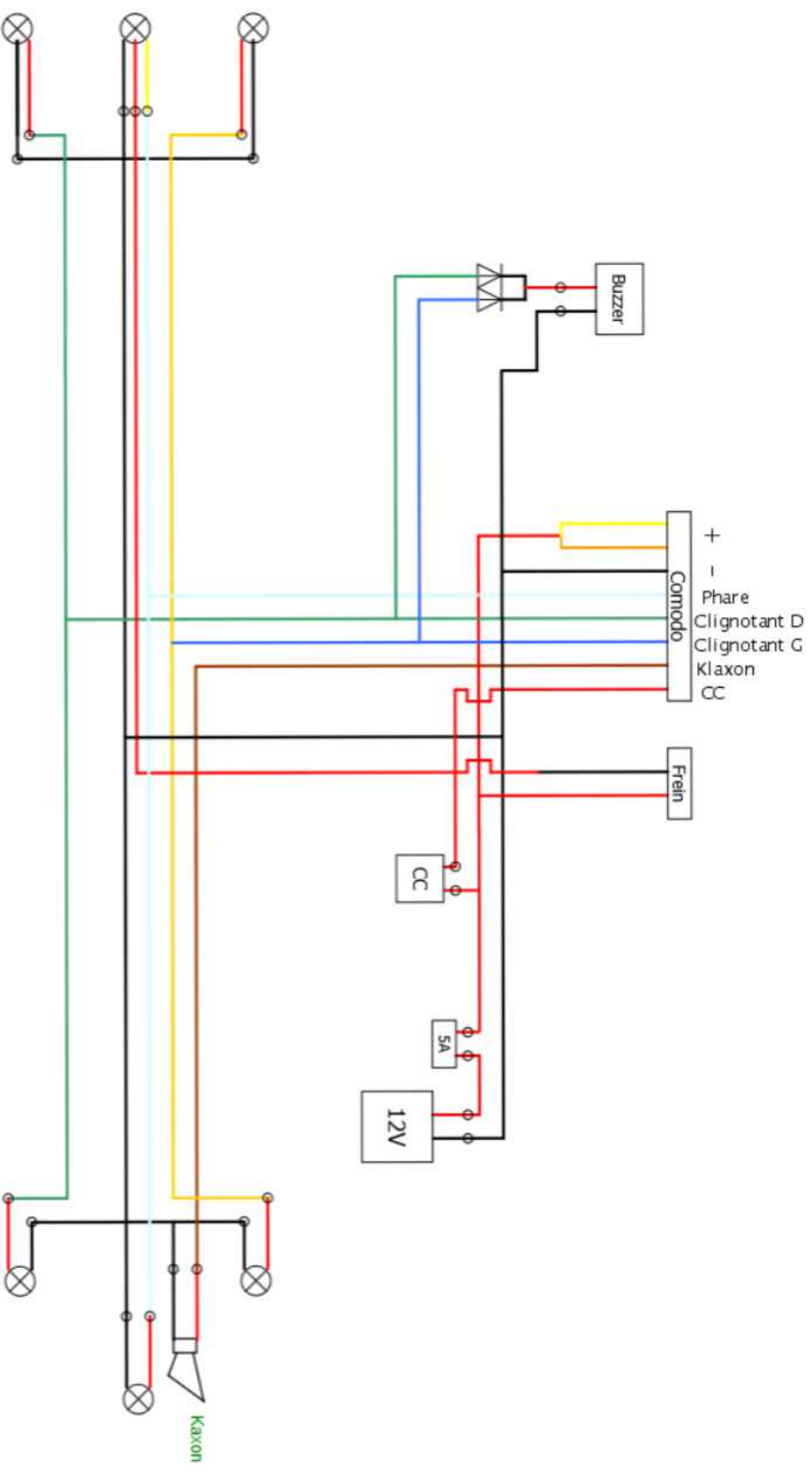
What's inside :

- Main box, incl Comodo+brake sensor
- Battery + charger
- Head light 100 lux
- Rear light
- Blinkers x4
- Klaxon
- Velcro
- Twisted sheath
- Plastic collars

Tools required :

- Drill 3,3mm (rivet), 6mm, 7mm, 8mm
- Threadlock
- flat and BTR wrenchs

Electric system



1 – Main box

Position the box under the seat, without riveting it. Check that the seat can't touch the box. The battery will come behind, fixed with velcro

The main box contains :

Ce boîtier rassemble toutes les connexions et les composants suivants :

- Fuse (5A)
- Blinking relay (C.C)
- Buzzer

The box is also connected to the brake sensor and the comodo that offer :

- Main light front & rear
- Blinkers, right, left or right & left
- Klaxon

Connecting the battery switch ON the system. Remove the battery to switch OFF

You have approximately 10 hours of autonomy. Do not let the battery with a low charge level. Plug it as soon as possible with the supplied charger
don't leave it unattended when charging.



2 – Comodo installation

Remove the left handle and insert the comodo. The beginning of the electric cable goes under the derailer outter cable. Do not tighten it definitively, your would adjust it later.

Cut the handle at the best lenght and put it back on the steer

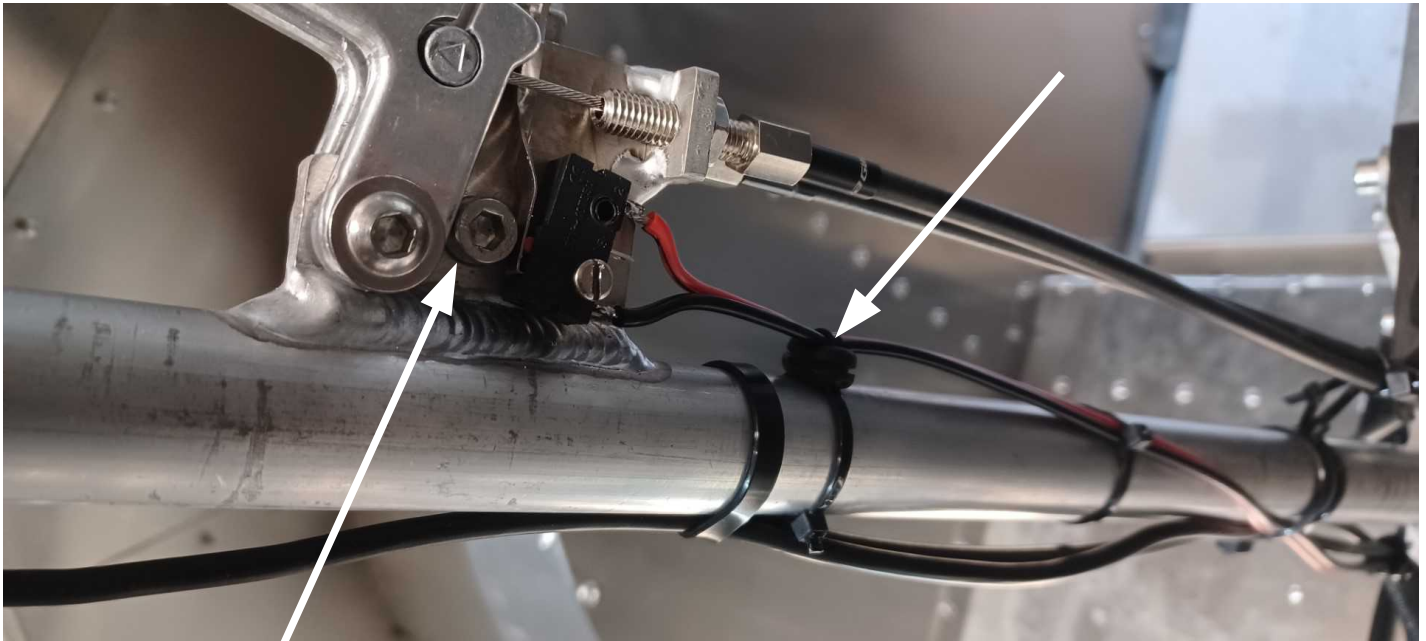


3 – Brake sensor

The brake sensor is supplied with 2 screws and M2 nuts that need be fixed with threadlock

Depending of how bend the metal is, the sensor can swith earlier of later. Or not at all. You will adjust it later.

Nota bene : When braking, a little current will go on the headlight.
On the picture, the sensor was fixed with only one screw and the best angle was adjusted by fixing the cable to the tube.



The little stop screw is not always needed. It can aslo make the brake sensor harder to move. You can remove it if necessary.

4 – Head light

Remove the Alleweder noz.



Choose the best position for the headlight, by remaining that the noz need some place.

- 1 drill the rivet and make a 6mm hole
- 2 drill a second hole (8mm) , put the cable rubber

Place the headlight using the large aluminium washer supplied (on the picture we used a square aluminium piece)

From the inside, put the Rubber washer W6RM, W5 and M5f

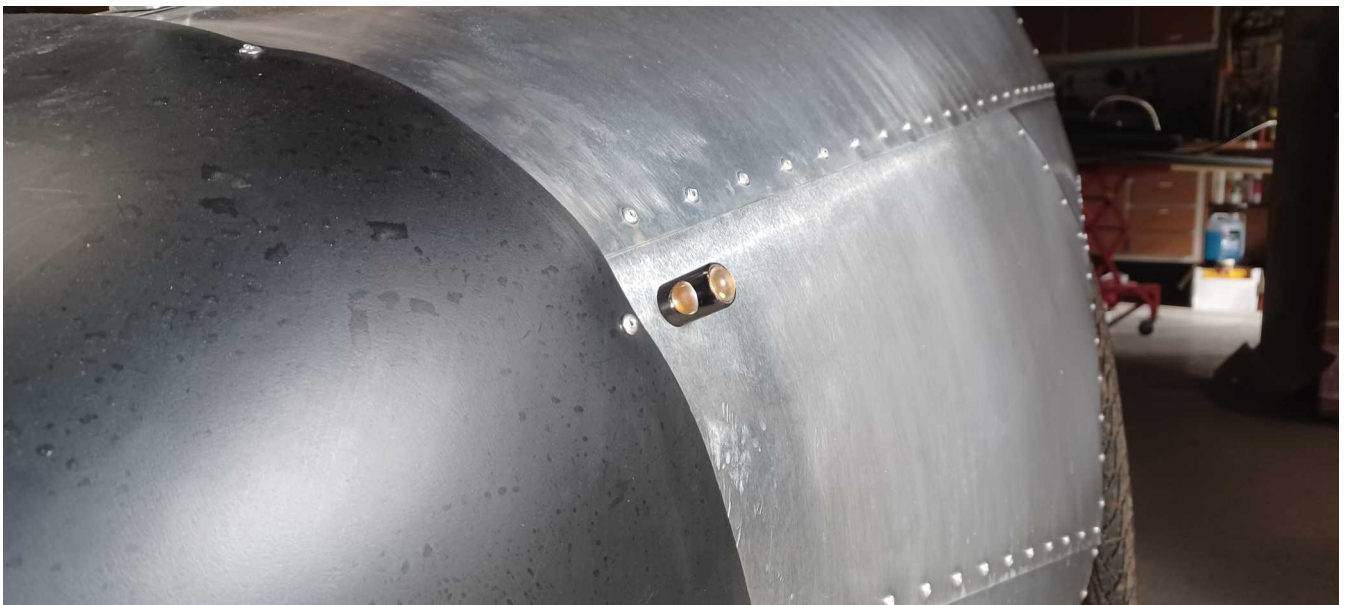
Insert the cable inside the cable rubber

5 – Blinkers

Like the headlight, remind that the nose will take some space. Drill a 7mm hole at the blinker position.

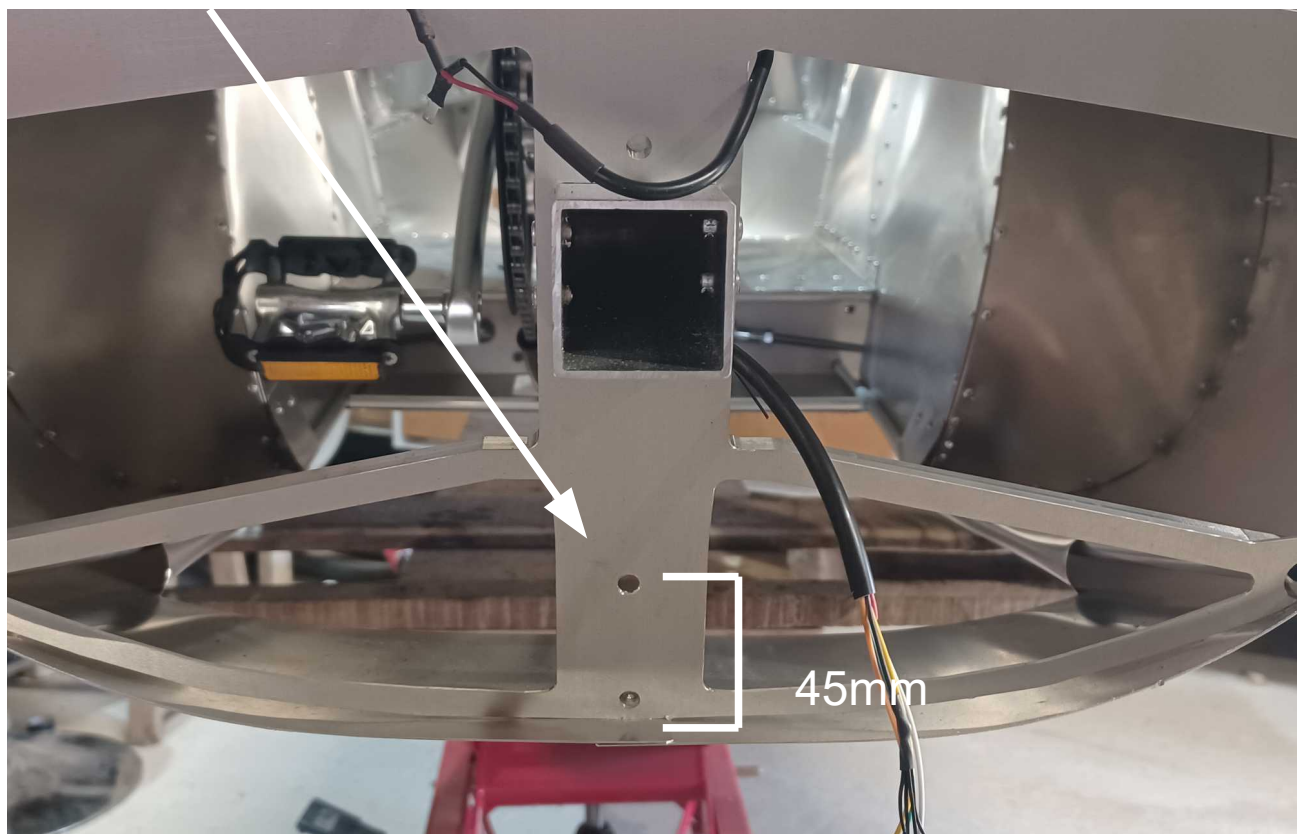


Fix the blinkers with the light side forward. Fix them with the m6 nut and threadlock. Be carefull about the little connections, when insert it trough the m6 nut (one after one)



6 – klaxon

Drill a 6mm hole at approx 45mm from the bottom.



Bend the klaxon leg (approx 90°) and fix it.

Connect all equipments according to the colour code showed on the electric drawing.
When all is okay, fix the cables with collars or velcro.



Drill or cut a opening to let the klaxon ringing outside.

Do not put back the nose now, i'll do it after the first checks



7 – rear lights

Remove the rear sheet and draw marks to position the blinkers and the blinkers. If the position is too high, the cable length would not fit
Check it before drill the holes

Drill 7mm holes and fix the lights



To make life better, you can make this kind of helping thing

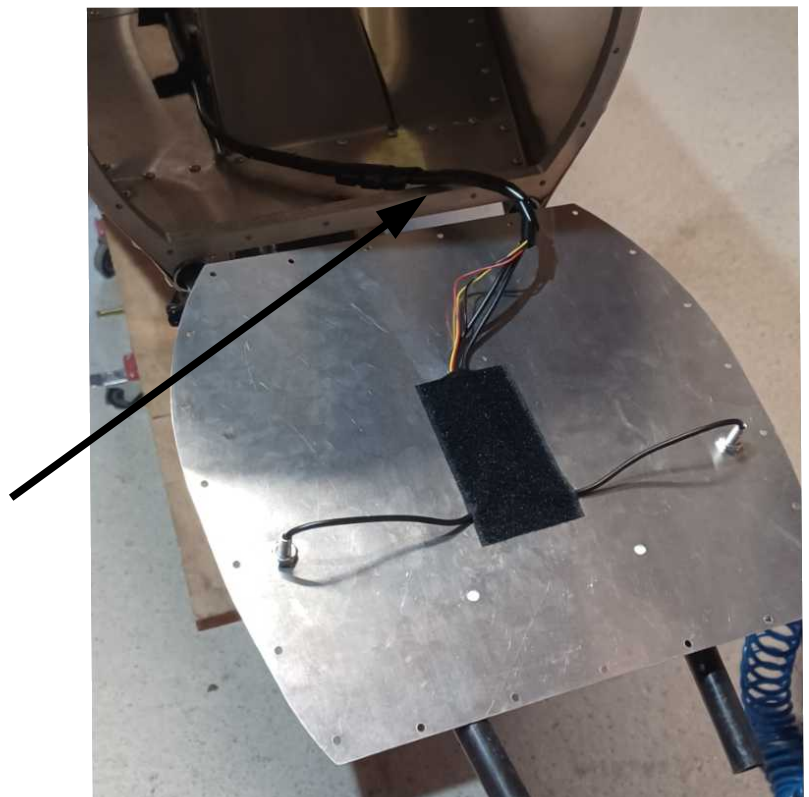


The rear light have to be fixed with the twin adhesive tape. You can also use the supplied screws if necessary.

Like as before, be carefull about the blinker connections. Use threadlock and put velcro to maintain the cables.

Connect all equipment according to the colour code.

The twisted sheath can make a better finish.



When the position of the cables is optimal, fix them with velcro. You can heat the velcro a little to make it stronger.

Rivet the main box (you will need to drill new 3,3mm holes)



When connecting the battery, some lights can turn on, Check everything and adjust the brake sensor



If the buzzer sound is no agreeable, open the box and ad some velcro around the buzzer.

Sometime, the klaxon can seems suffocated. You have to adjust the little screw next to the klaxon poles, till you fond the best setting.

Your Alleweder is now ready to go on long night trips !



Contact us or more information on :

www.alleweder-velomobile.com



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