

EN - User Manual LIFT MTB, For power Regulator with P.A.S.

USE:

Our kit generally only works with the throttle lever to manage assistance, so the power regulator is for us considered an option that can be added to your kit.

We recommend using the regulator on long climbs without obstacles or without technical passage.

For a technical passage, the regulator will then have to be put in the OFF position, you will then only use the trigger to manage the assistance. (In the same way that the cruise control of your car is only useful for long distances like highway, and it will be disconnected for driving in the city).

We recommend the use of the pedal sensor below 25 km / h.

We remind you that the regulator like the kit is not approved on public roads.

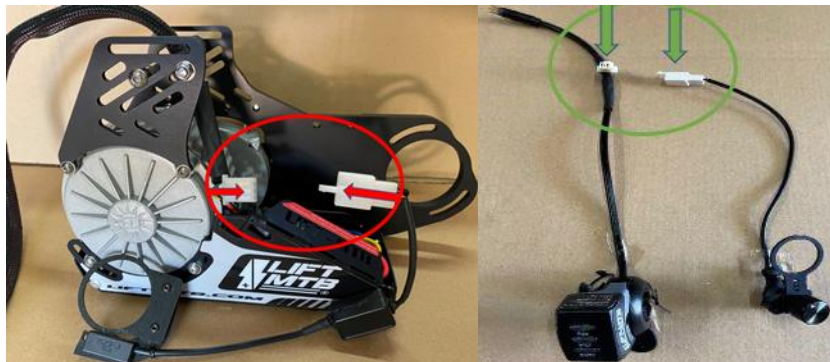
ELECTRICAL ASSEMBLY :

- Secure the adjustment and on / off button using the stem cover screw.

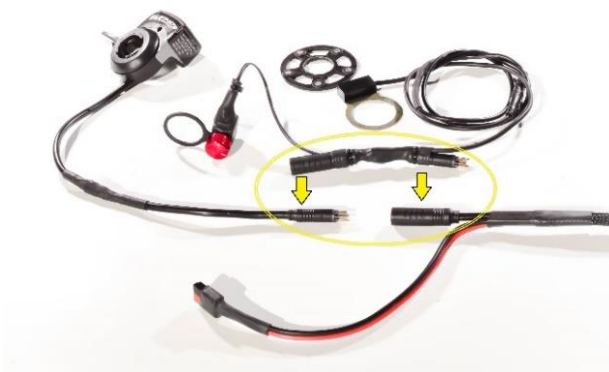
Handle the wires with care, make sure that the wire will not be kinked, pulled or pinched when handling the handlebars.

-Connect the connectors of the pedal sensor to the connectors of the primary harness (red arrows).

-Connect the potentiometer connector (push button) to the trigger connector (green arrows).



For models before August 2020 the operation remains the same, simply the wiring changes for this it will be necessary to connect the connector of the sensor in series on the trigger connector (yellow arrows on the photo).



MECHANICAL ASSEMBLY:

- Remove the bottom bracket (photo 1.1), fix the sensor support to the bottom bracket (photo 1.2) on the left side only.

-Place if necessary shimming washers between the bearing and the magnetic ring so that the gap between the sensor and the crown is approximately 2mm.

-Place the crown on the crank axle, so that the part with the magnets faces the sensor at the "F" of the "SZFJ" writing on the sensor

-Depending on the remaining space, place the shims, or the clamp see photos 2.1 (two assemblies possible), then place the crank on the axle, respecting the adjustment instructions and tightening provided in the kit assembly manual.

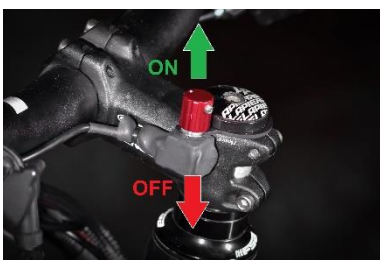
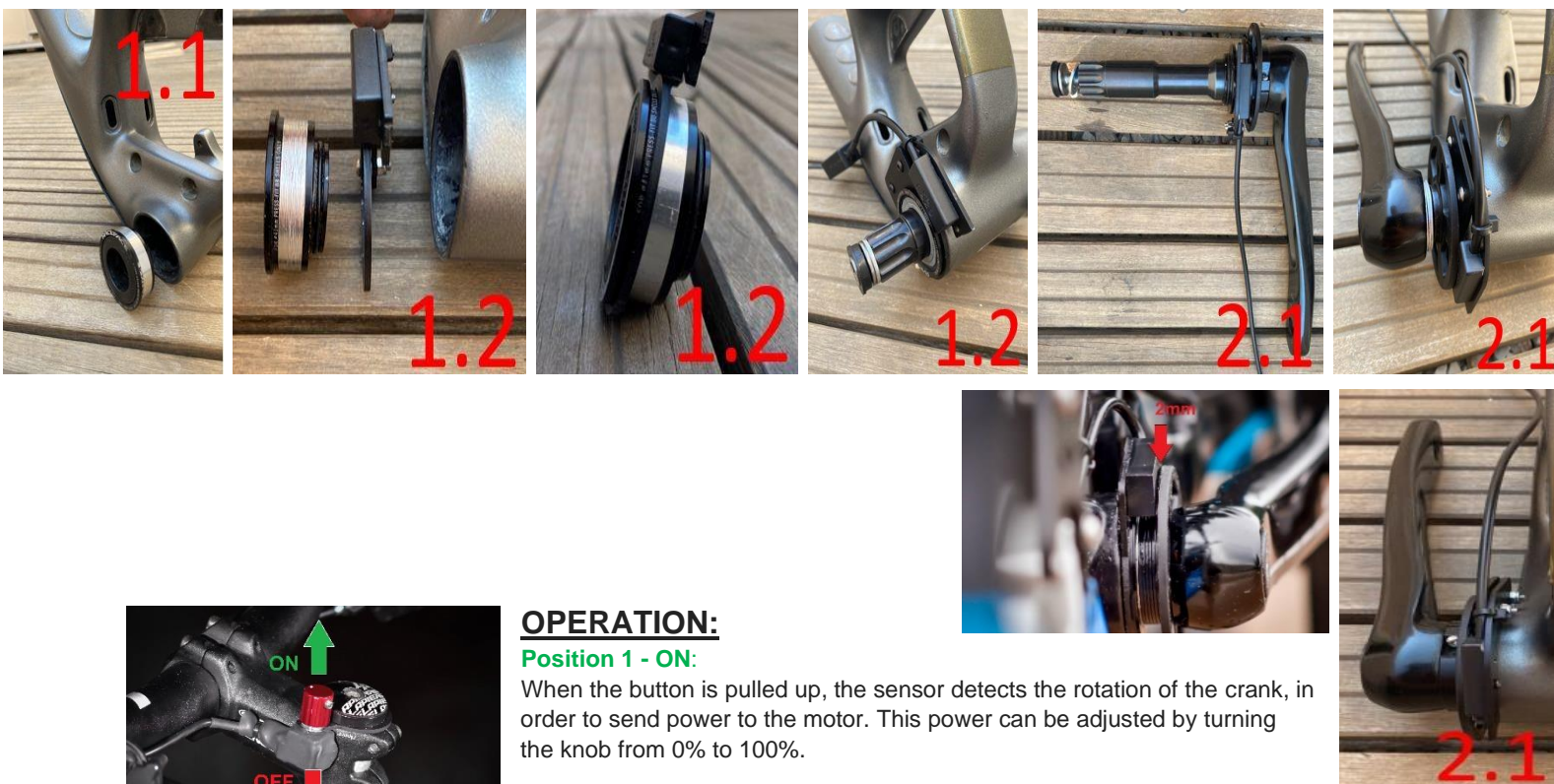


ATTENTION: The zone where the sensor detects the movement is located at the height of the "F" of the writing "SZFJ" (photo 3.1) this letter must be placed as close as possible to the axis, any reversal of position of any of the items will cause a malfunction.

Photos with bearing referred to BSA type:



Photos with pressed bearings type BB92 / BB30 / PF30:



OPERATION:

Position 1 - ON:

When the button is pulled up, the sensor detects the rotation of the crank, in order to send power to the motor. This power can be adjusted by turning the knob from 0% to 100%.

Position 2 - OFF:

When the button is pushed down, the regulator is disconnected, in this case only the trigger activates the motor as on the basic kit.

Note that the trigger always has priority, i.e. if for example the regulator is in the ON position, with the potentiometer set to 50% of the power, and you want to accelerate without pedaling or accelerate fully while pedaling is possible thanks to the trigger.

CAUTION: During installation, do not bend the threads at the fittings, and do not twist the output of the potentiometer, do not overexpose the potentiometer to water.