

# eGENESIS

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**ADAMO678**

**ADAMO19**



**V1.1**

**eGENESIS** it is a management system that allows, in an innovative, simple and targeted way, to manage the engine directly via an autonomous electronic display board, providing a surprising responsiveness, intelligence and new possibilities of use without the obligation of a constantly connected smartphone. The ADAMO19 version is for models with TCU (TL2019/20), while ADAMO678 is for models without TCU (TL2016/7/8 and KENEVO).

## What can it do ?

- You can use different engine power management modes, optimizing consumption. In particular, 9 manual 9-speed preselections are available in the Manual mode, each with an Off engine and a Turbo (a total of 93 possibilities), while in the Automatic mode, there are 3 continuous dynamic delivery profiles, each with 9 levels plus the Turbo. In addition, the Personalized mode is available, which allows you to set 9 levels to your liking.
- The system can be upgraded from an Android or Ios mobile phone and will therefore be expandable in the future.
- With its own remote control, it introduces the Walk on bike function where it was not intended.
- Implements a Turbo / ExtraTurbo function which, when activated, from a mobile or remote control, allows you to tackle extreme climbs or simply makes the ride less tiring.
- It allows to manage its use in a simple, clear and intuitive way.
- It independently manages the statistical data of the tour without the need for a mobile phone.
- Set the unlocked mode for pedaling in private routes.
- The system is equipped with its own barometric sensor for calculating altitude and inclination.
- The display has a beeper that warns you during the implementation of the various commands that can be set through the remote control. The sound function can be activated or deactivated from the menu.
- The display in the display is provided for day or night mode and allows the variation of the backlight as well as the privacy mode which obscures the screen after 5 seconds of inactivity of the buttons.
- The system connects to the Eden card for managing an additional battery.
- The system connects to the compatible BLE cardio bands and can interact with the motor.
- The system has the function of automatic restart and automatic shut-down / restart of the motor which can be set.



**eGENESIS**

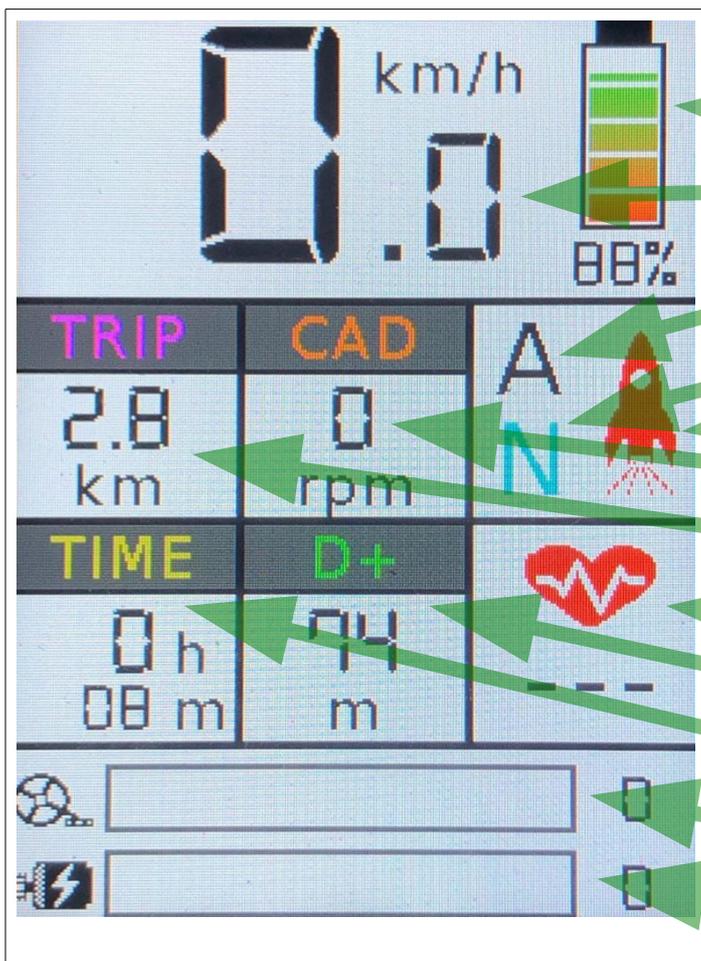
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### Disclaimer of liability

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### DATA AREAS

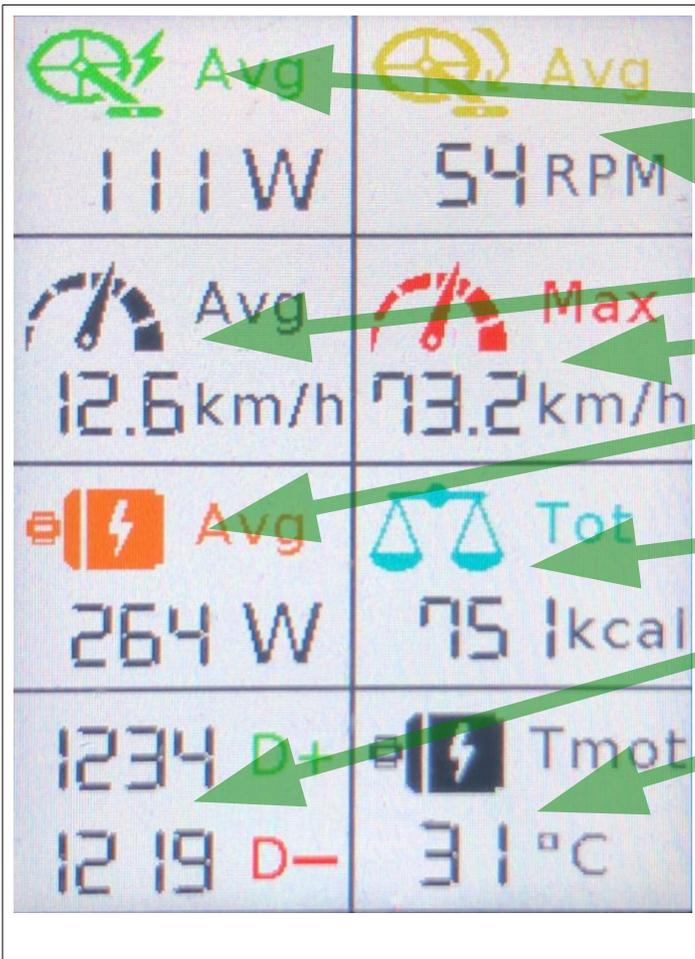
- (A) Battery status
- (B) Instantaneous speed
- (C) Automatic / Manual and Personalized Mode
- (D) Profile (E/N/S) / Preselection (1-9)
- (E) Start (Off / 1-9) / Level (1-9) Startup Help (flash)/Turbo (Rocket)
- (F) Pedaling cadence
- (G) Trip
- (H) BPM from BLE H.R. monitor
- (I) Positive Elevation / Inclination
- (J) Running time
- (K) Instant cyclist power
- (L) Instant motor power



### BUTTON FUNCTION

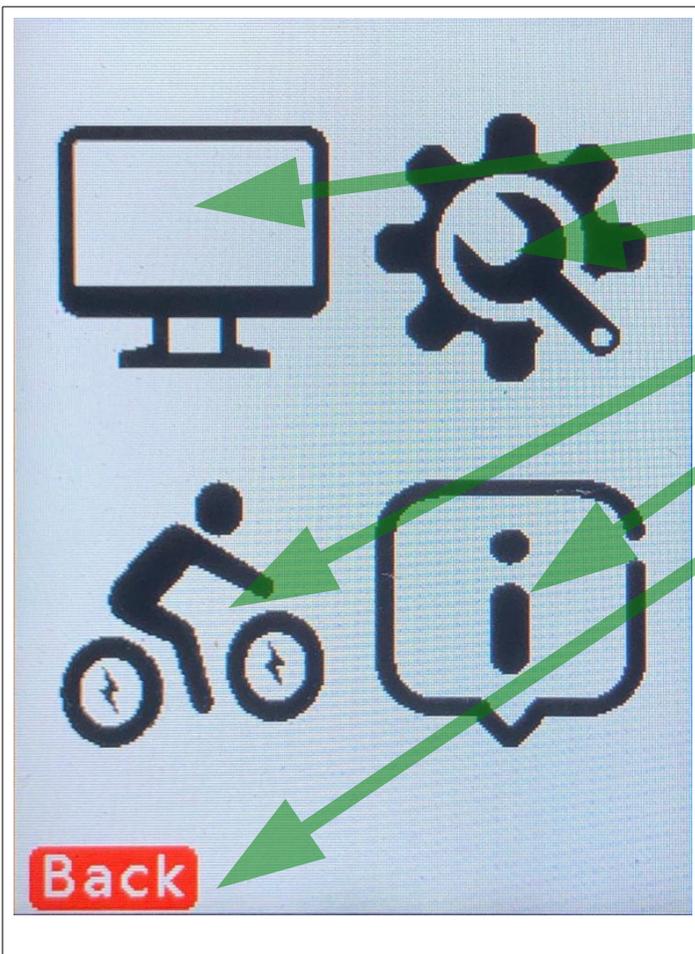
- (Increase / Up)**  
With Adamo678 and 19 it allows to act, if pressed for a long time, as a change of the values in point (D). Short press changes the values in the Menus or the march / level in point (E)
- (Turbo / Power OnOff)**  
With Adamo19 it allows you to act, if pressed for a long time, even as a bike on / off. With Adamo678 and 19, if pressed short, as On / Off Turbo
- (Walk / Menu)**  
With Adamo678 and 19 it allows to act, if pressed for a long time, as Walk or if short as a change of display and Menu
- (Decrease / Down)**  
With Adamo678 and 19 it allows to act, if pressed for a long time, as a point value change (D). Short press changes values in the Menus or the march / point level (E)

# eGENESIS – ADAMO678 – ADAMO19



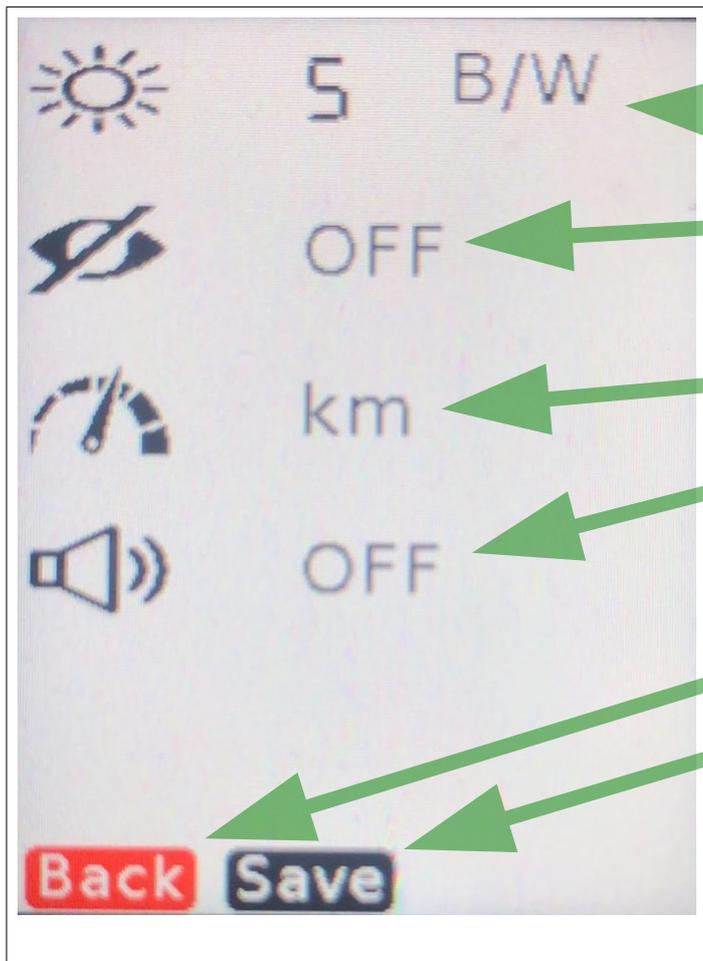
## STATISTICAL DATA AREAS

- Average cyclist power
- Average cadence of pedaling
- Average speed
- Maximum speed reached
- Average power supplied by the engine
- Kilocalories consumed
- Positive and negative elevation
- Motor temperature



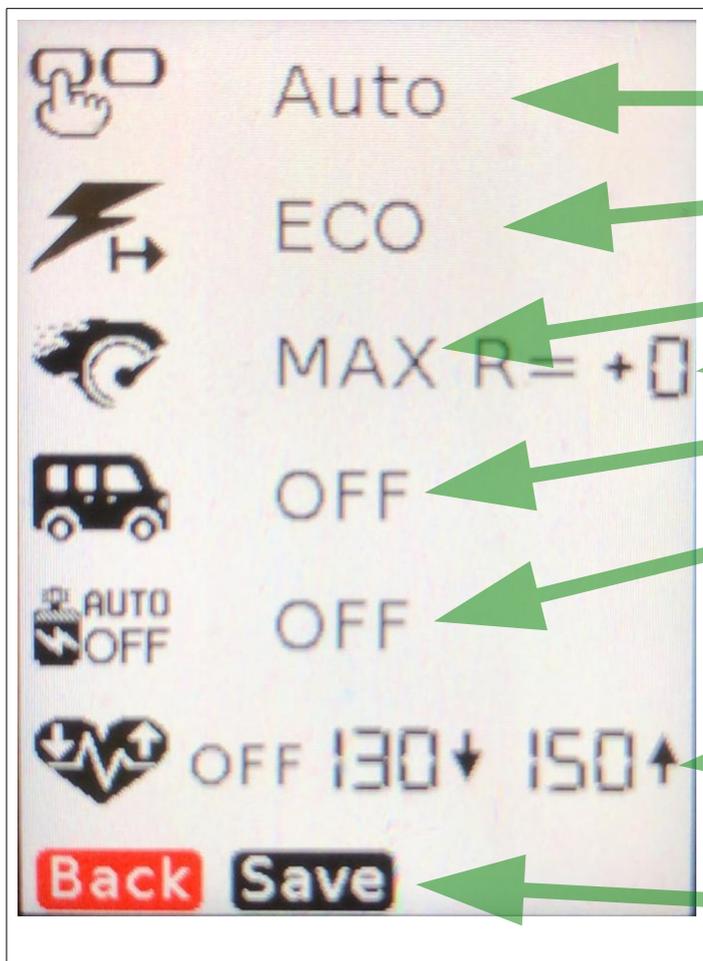
## MAIN MENU

- Video and Audio main parameters
- Engine Supply Configuration
- Bike and Device Configuration
- Miscellaneous information, statistics and restore to default values.
- Return to the main page



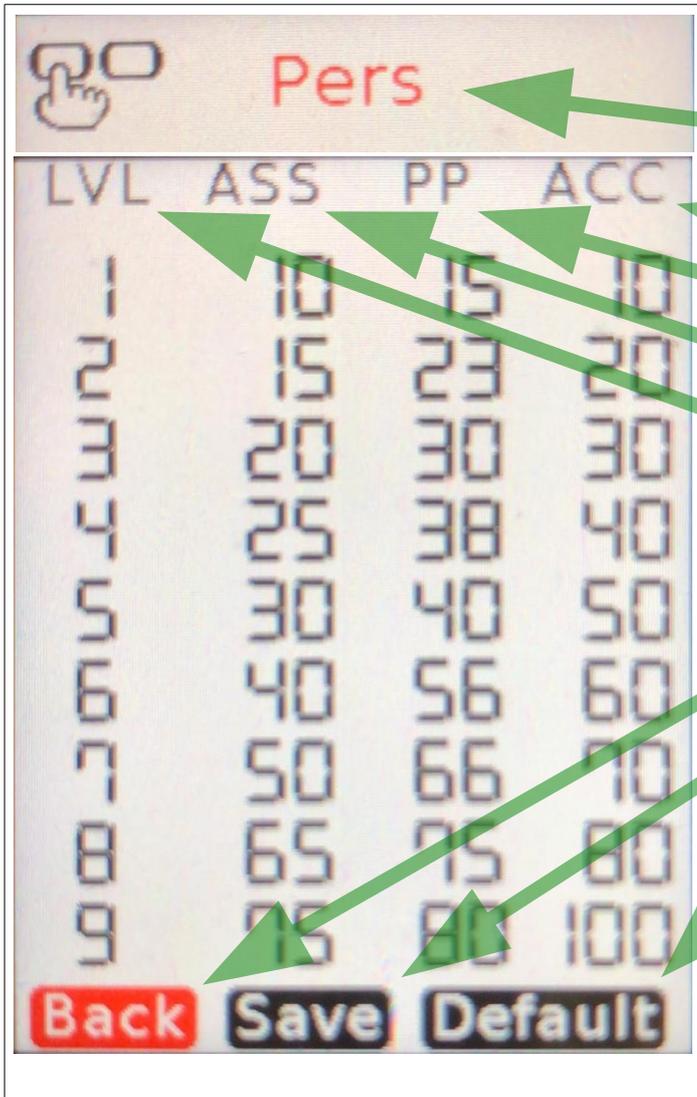
**VIDEO AND AUDIO**

- Backlight adjustment and night / day contrast mode
- Privacy On / Off. If On it obscures the display after 5 seconds of inactivity of the remote buttons
- Unit of measurement in Km or Miles
- Beep Off / Low / Med / High
- Return to the main page
- Stores the modified data. Not saving the modified data will be lost



**ENGINE DISTRIBUTION**

- Automatic/Manual/Personalized Mode
- Help to restart from standstill after a few seconds of inactivity
- Power delivered in Turbo
- System Reactivity
- Minibus (Shuttle) present only on ADAMO19
- Automatic management of engine switching off / on. After 1 minute the pedaling cyclist power is lower than indicated, the motor turns off and then immediately turns back on as soon as the power is exceeded
- Reactivity control of the motor power control through BLE cardio and setting of minimum and maximum thresholds
- Return to the main page and save the modified data



**ENGINE DISTRIBUTION PERSONALIZED**

Long press the Menu key to access the parameters

Acceleration

Peak Power

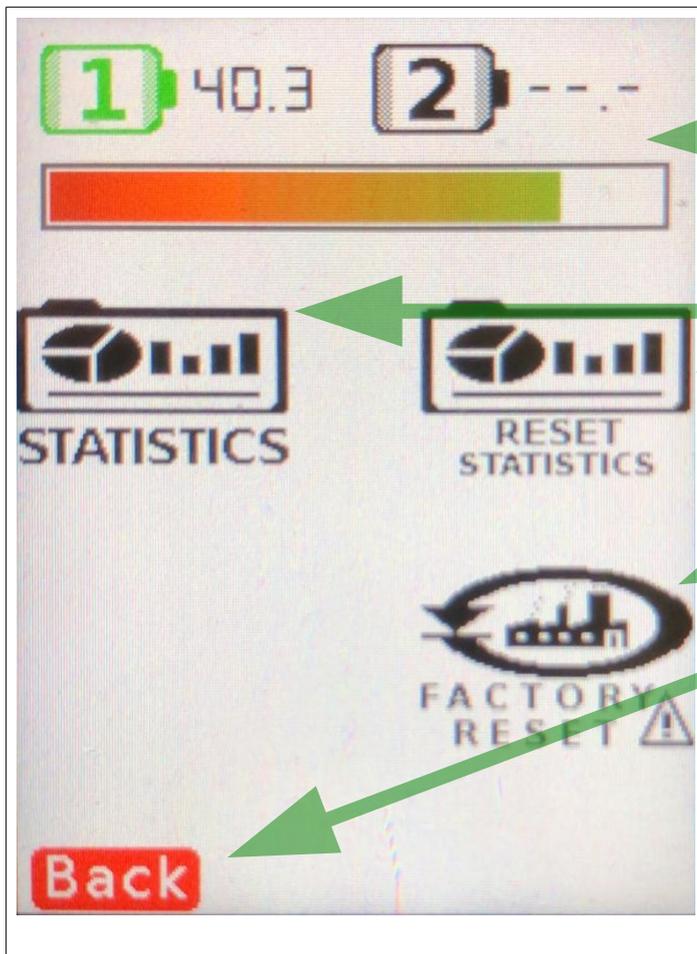
Assistance

Driving level.

Return to the main page

Saving of modified data

Restore with factory data



**INFO AND RECOVERY**

Battery status indication. In case of two batteries the indication of the second one will give its real data only after it will start to supply power

Detailed statistics

Statistics reset. Long press.

Restore the configurations to the factory data. Long press.

Return to the main page

km 32		
W Avg	111	264
Wh E	6	8
Wh N	170	414
Wh S	17	63
Wh M	0	0
Wh P	3	8
Wh Tot	196	493
TIME	2h	38m
Cad 54	kcal 751	
D+ 1234	Max 73.2	
D- 1219	Avg 12.6	

- ### DETAILED STATISTICS
- ← Average watts
  - ← Wh in Automatic-Eco mode
  - ← Wh in Automatic-Normal mode
  - ← Wh in Automatic-Sport mode
  - ← Wh in Manual mode
  - ← Wh in Custom mode
  - ← Wh Totals in the various modes
  - ← Time in motion
  - ← Cadence and Kilocalories
  - ← Elevation difference and speed

OFF

2255 mm

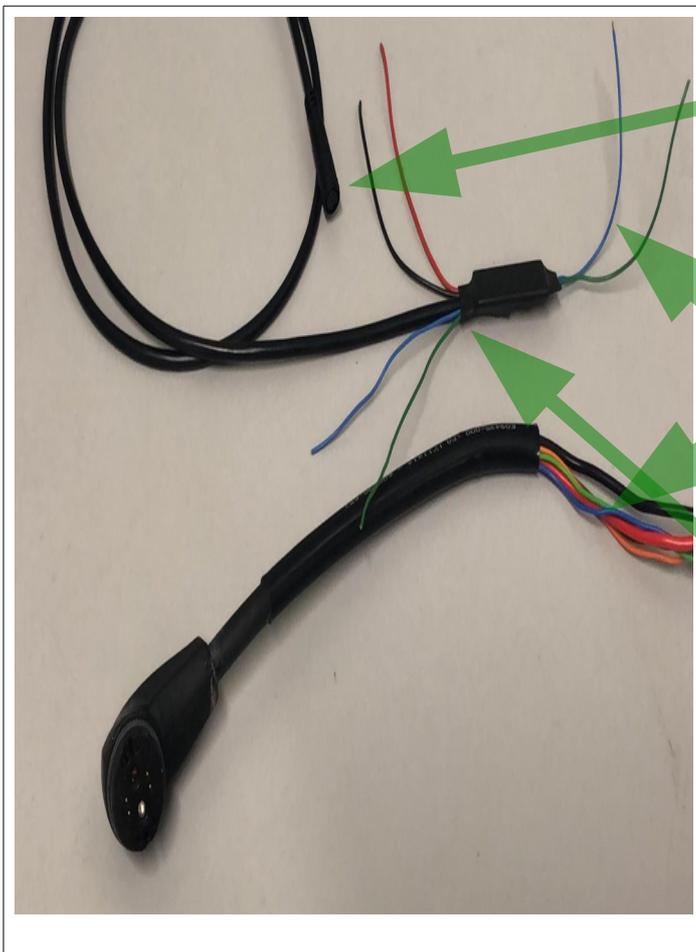
UNLOCK

Back Save

- ### BIKES AND DEVICES
- ← Control of the light output present in the engine
  - ← Wheel circumference adjustment
  - ← Lock / Unlock the speed limit. The Unlock makes the bike unsuitable for driving where the traffic rules apply and invalidates the warranty.
  - ← Research and associate a BLE cardio device
  - ← Search and associate the Eden card for the management of an additional battery
  - ← Return to the main page and save the modified data



**Remove the battery from the bike.  
Remove crank and lower crankcase.**



**Run this connector through the engine area to the battery area and let it out at the top of the frame near the handlebar.**

**In the TL2018 there is an exit plastic that you just need to unscrew, cut a small piece to create an area where the cable is comfortable to pass. In the other bikes, a hole will be created or the existing one increased or alternatively the cable will be passed externally.**

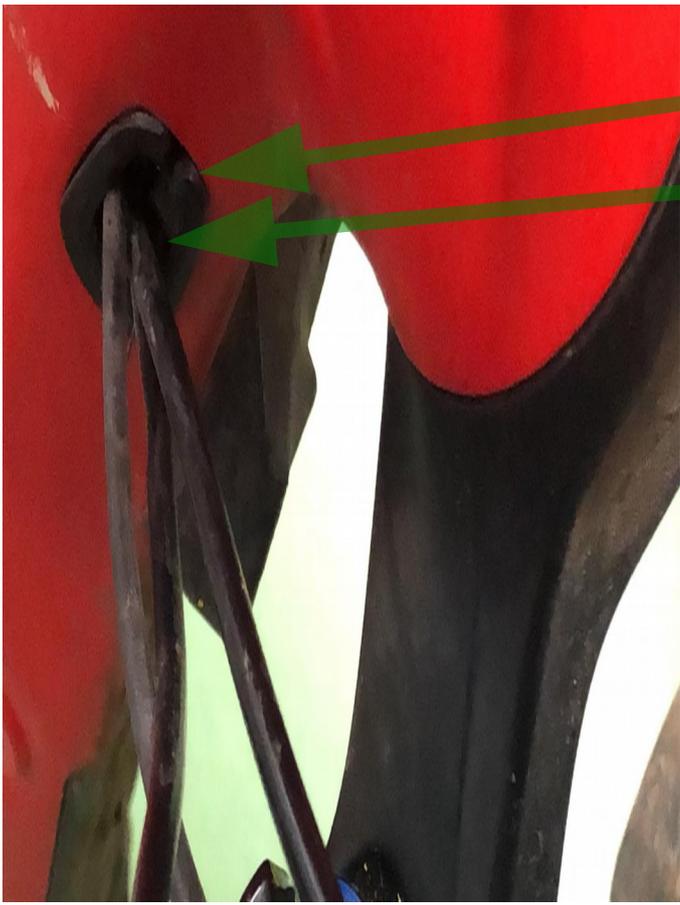
**In the battery cable as shown, cut the Green and Blue wires at half length. Always at half length, strip the Red and Black wires a little bit.**

**Weld and protect these wires, of the adapter card, with the sheath and / or tape, to the wires on the right side (towards the motor connector) respecting the colors (Blue with Blue, Green with Green)**

**Solder and protect these wires from the adapter board with sheath and / or tape to the left side wires (towards the battery connector) respecting the colors (Blue with Blue, Green with Green, Black with Black, Red with Red).**

**At the end (better after the functional check by turning on the display), close the whole (crankcase and reassemble the crank) making the adapter board fit well and being careful not to pinch the wires with screws and plastic in closing.**

## eGENESIS – ADAMO678



In the TL2018 unscrew the screw, remove the plastic, then cut just enough to create space so that the additional cable is just right. On other bikes, drill the frame at that point or run the cable outside.

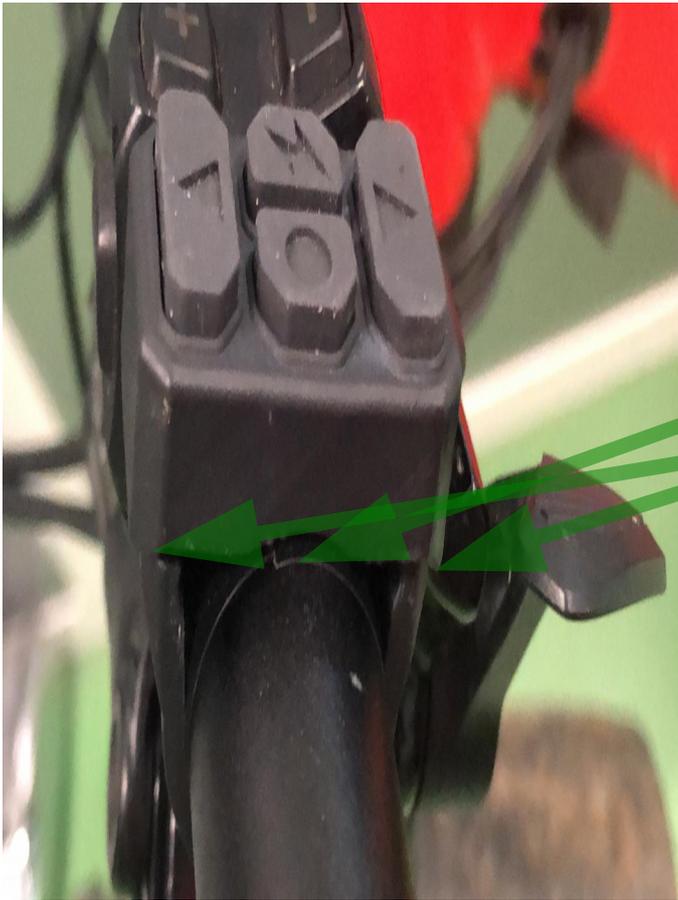


Make a round of electrician's tape where the display will be placed.

Attach the display using the appropriate elastic band.

Connect the display connector to the connector coming from the signal adaptation card in the crankcase.

## eGENESIS – ADAMO678



**Make a round of electrician's tape where the remote will be placed.**

**Insert the remote and fix the screws without pulling too much.**

**When everything is finished, turn on the bike and check that the buttons and remote work.**



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**Unscrew the screw holding the TCU to the bicycle.**



**Remove the TCU from its housing and be careful not to lose the screw.**

## eGENESIS – ADAMO19

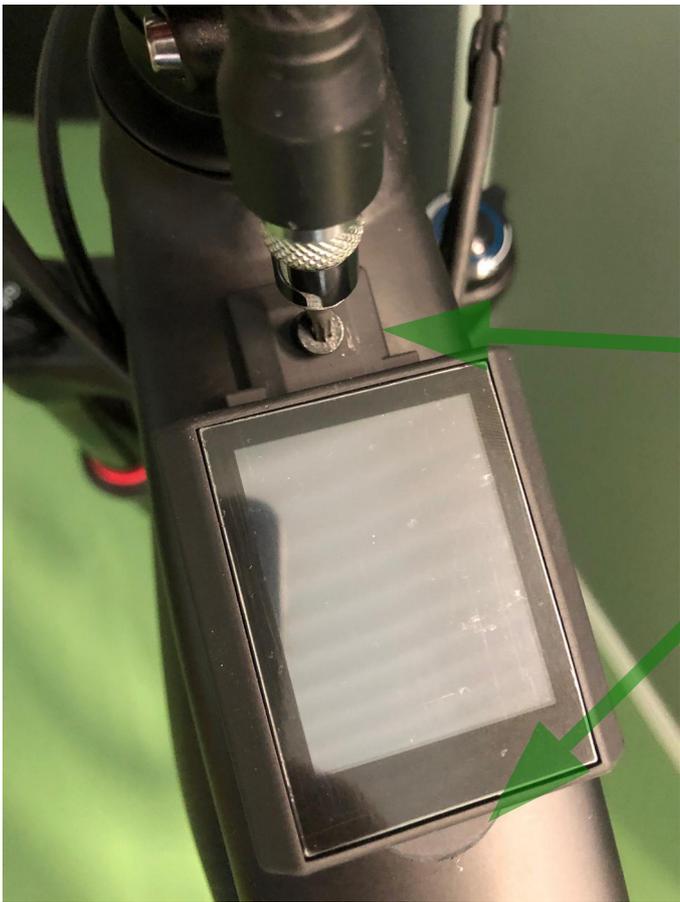


Remove the screw and disconnect the connectors by gently pulling them. Replace the TCU and connect the ADAMO19 cables paying close attention to the polarization pins and inserting them perfectly straight.



After having made all the cables enter the tube, insert ADAMO19 inclined, making sure that the rectangular tongue will enter the tube, while the round one must remain external. Upon insertion, it will be slightly forced, but still use the utmost delicacy. Help yourself with a thin metal strip.

## eGENESIS – ADAMO19



**Tighten again taking care not to over-tighten the screw as it is very delicate and could break.**

**Note that the round tongue of ADAMO19 is outside the tube.**



**When everything is finished, keep the TURBO button pressed for a long time to turn on the bike and check that the display is on.**

**Press the TURBO button again for a long time until the bike is switched off.**



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