



Installing a Cycle Analyst on an Edgerunner

This guide assumes you are competent at crimping JST connectors - if you are not then please refer to the Grin connector guide for instructions on crimping JST connectors.

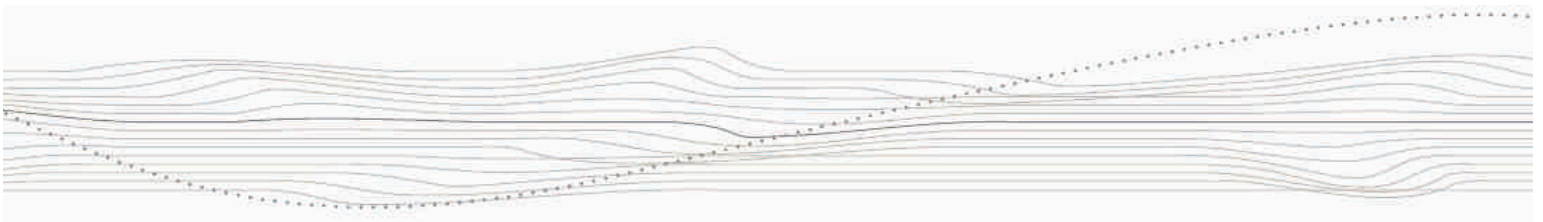
Tools Needed:

1. Side Snips
2. Wire Strippers
3. JST Crimper
4. JST connectors

The first step is to remove the eZee meter from the Edgerunner bike which is most easily done by just cutting it loose with side snips. Initially cut both cables just after the strain relief on the meter to ensure you have enough length to reach the Cycle Analyst once installed.



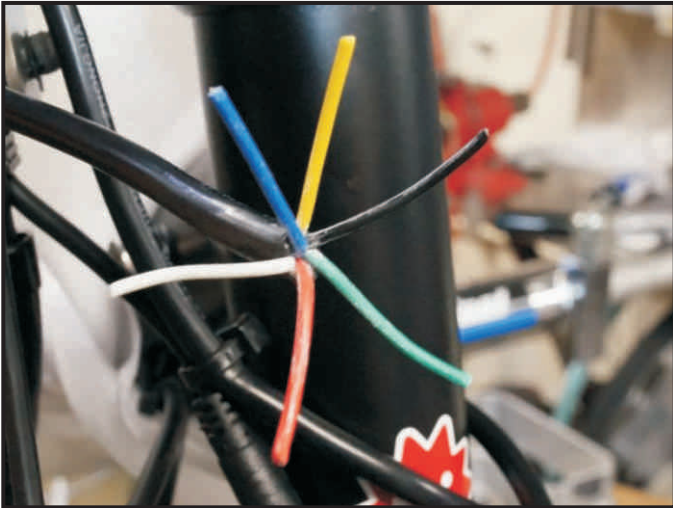
Once cut, you can take the Cycle Analyst and figure out how much you need to cut off the eZee meter cabling to get the connectors to reach without excess and ensure a tidy wiring job.





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Now strip back just over an inch of the black insulation on the two thick cables that you cut to detach the meter.



Cycle Analyst Wiring:

Green: Throttle Override (ThO)
Black: Ground
Red: V+
White: Shunt+
Blue: Shunt-
Yellow: Speed (Sp)



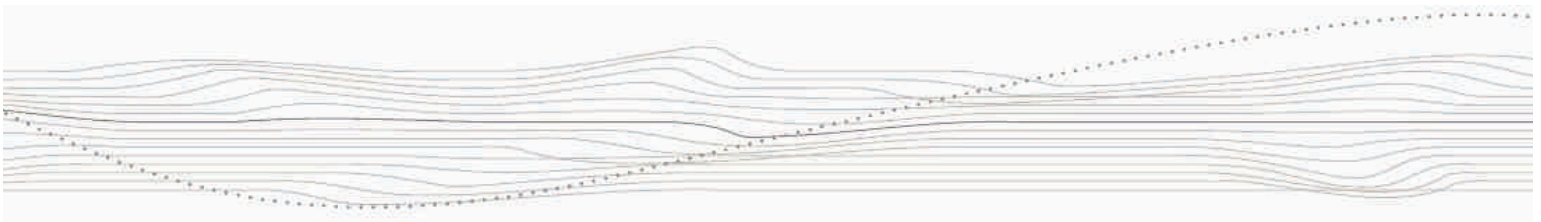
Accessories Wiring:

Black: Ground
Red: 5V
Green: Throttle Signal
Blue: Ebrake
White: PAS RPM signal
Yellow: unused
Grey: unused
Maroon: unused

This guide assumes you are also installing a THUN sensor and thus we do not make use of the white wire. If you are using the eZee pedelec sensor then you will want to wire up this wire to plug into the PAS RPM input on the Cycle Analyst's 5 pin connector.

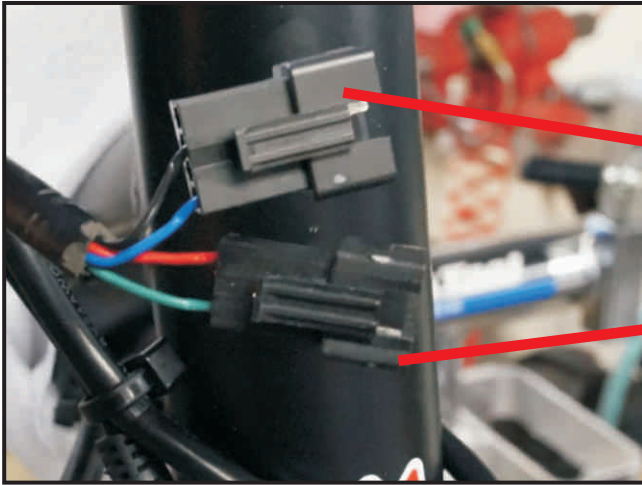
The yellow, grey and maroon wires are unused and can just be snipped back.

We can also make use of the fact that the ground is shared (inside the black box) between the throttle and ebrake (and PAS sensor if using) and thus we do not need to wire up a ground on one of either the ebrake or throttle (or PAS) connection. We prefer to wire up the ground on the ebrake so that there are two wires going to the ebrake and two to the throttle to share strain relief a bit more equally, rather than one on the ebrake and three on the throttle.

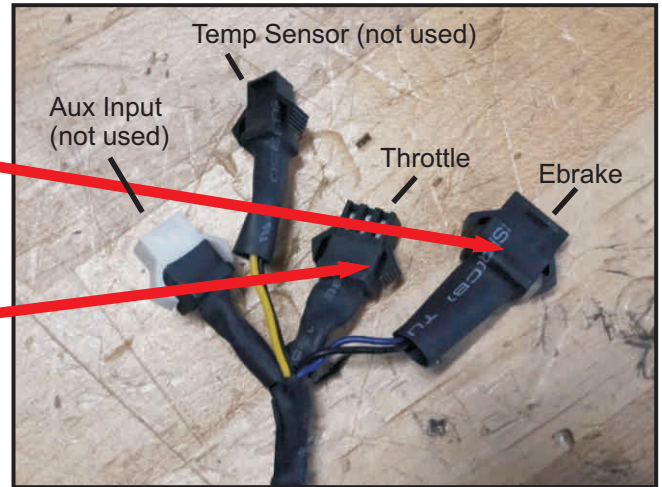




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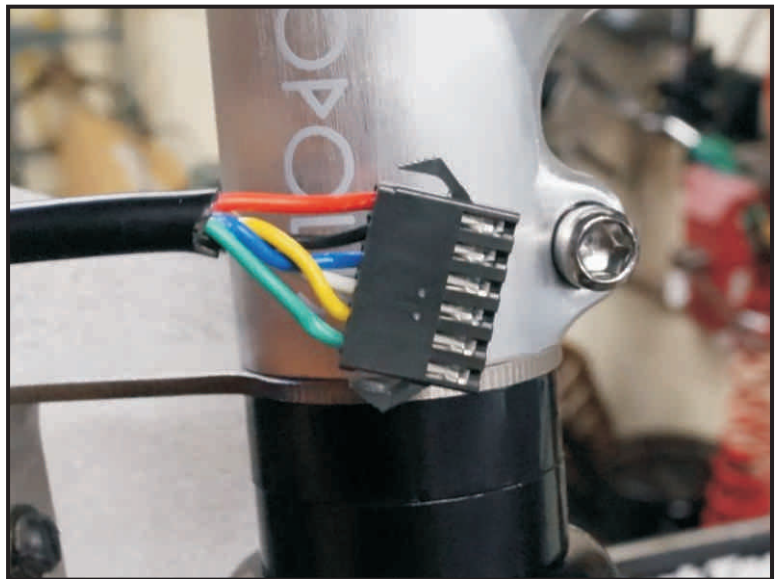
Throttle and Ebrake Connections Wired to eZee Harness



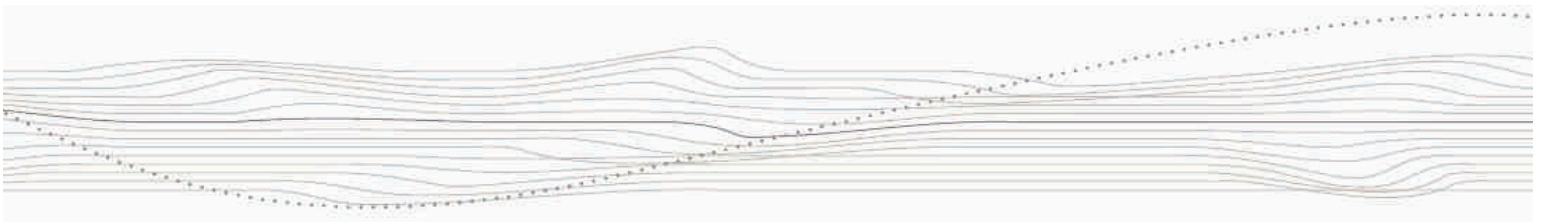
Cycle Analyst V3 Connections

This is what the accessories (ebrake at the top, throttle at the bottom) should look like once the connectors have been attached and with the other unused wires stripped back. They will be plugged into the black 3 pin and black 4 pin connectors coming from the Cycle Analyst once everything is set up.

This is what the Cycle Analyst connector should look like once wired up correctly. It can be plugged into the standard 6 pin Direct Plug-In Cycle Analyst connector once everything is set up.



Cycle Analyst Connection Wired to eZee Harness





Installing a Cycle Analyst on an Edgerunner

The final step is to install the mounting bracket on the Cycle Analyst and then just install it as shown on the headset of the Edgerunner.

