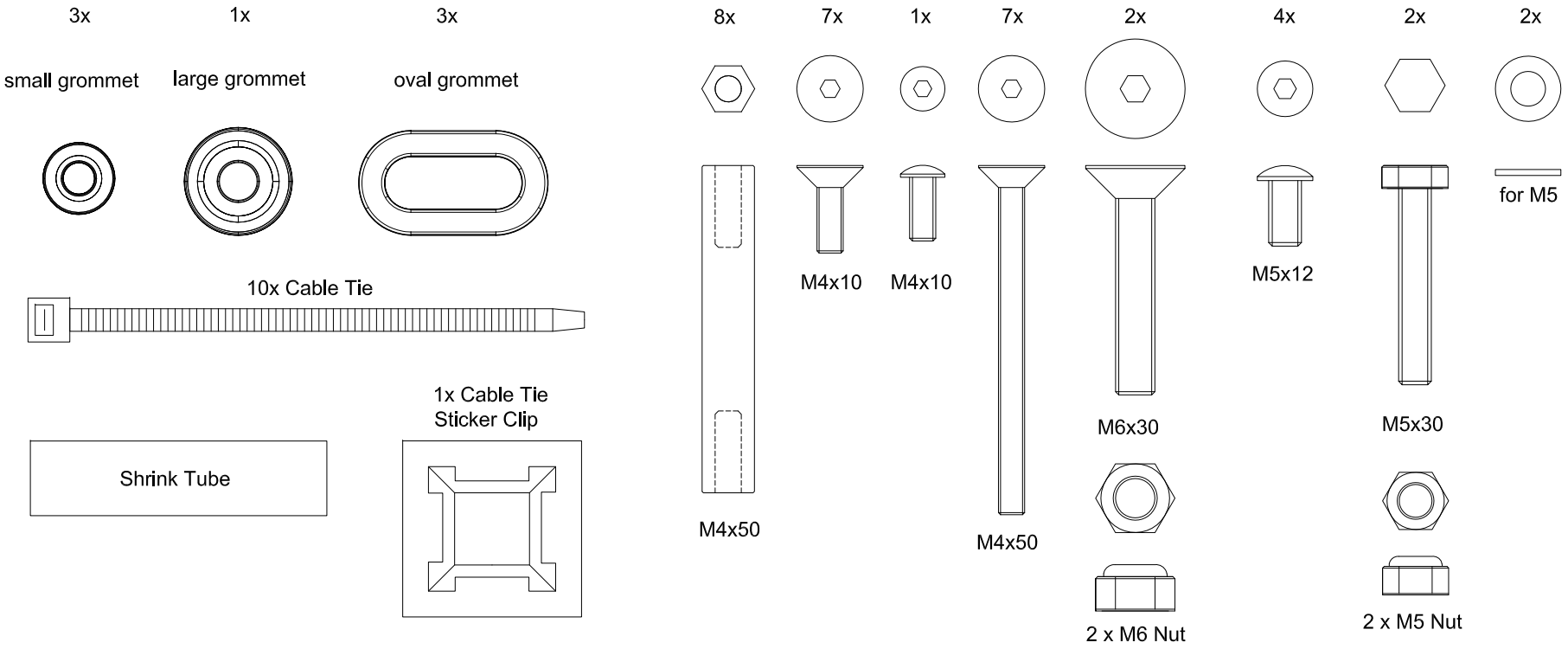
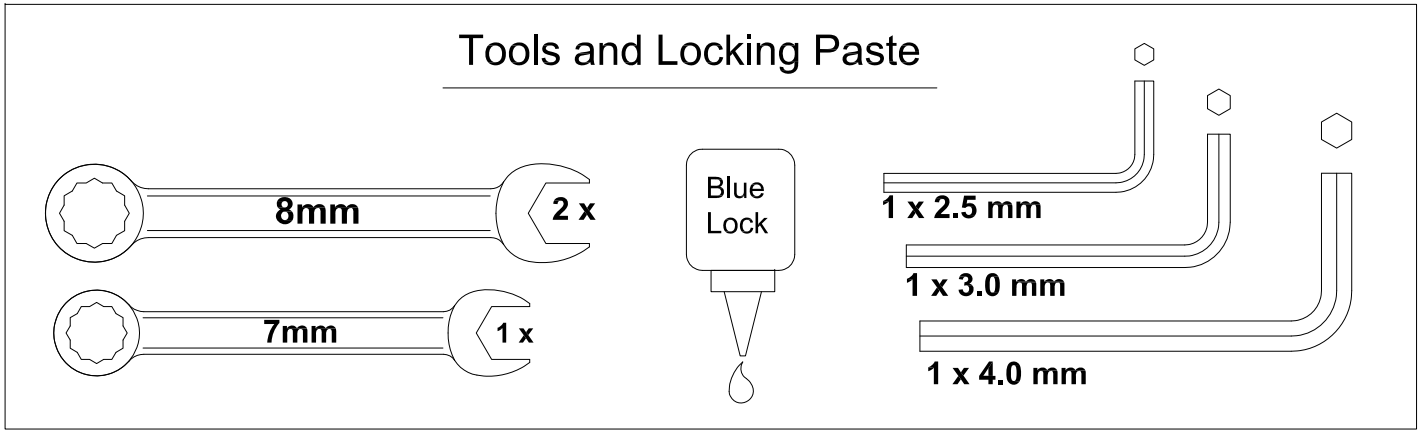
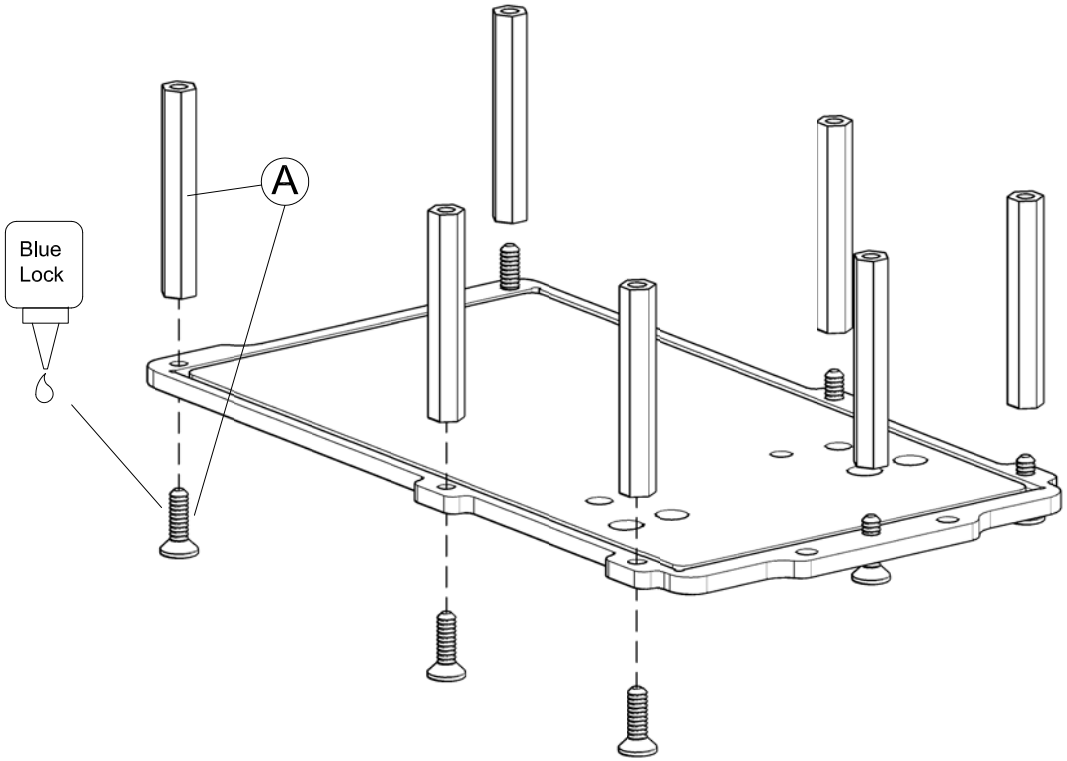
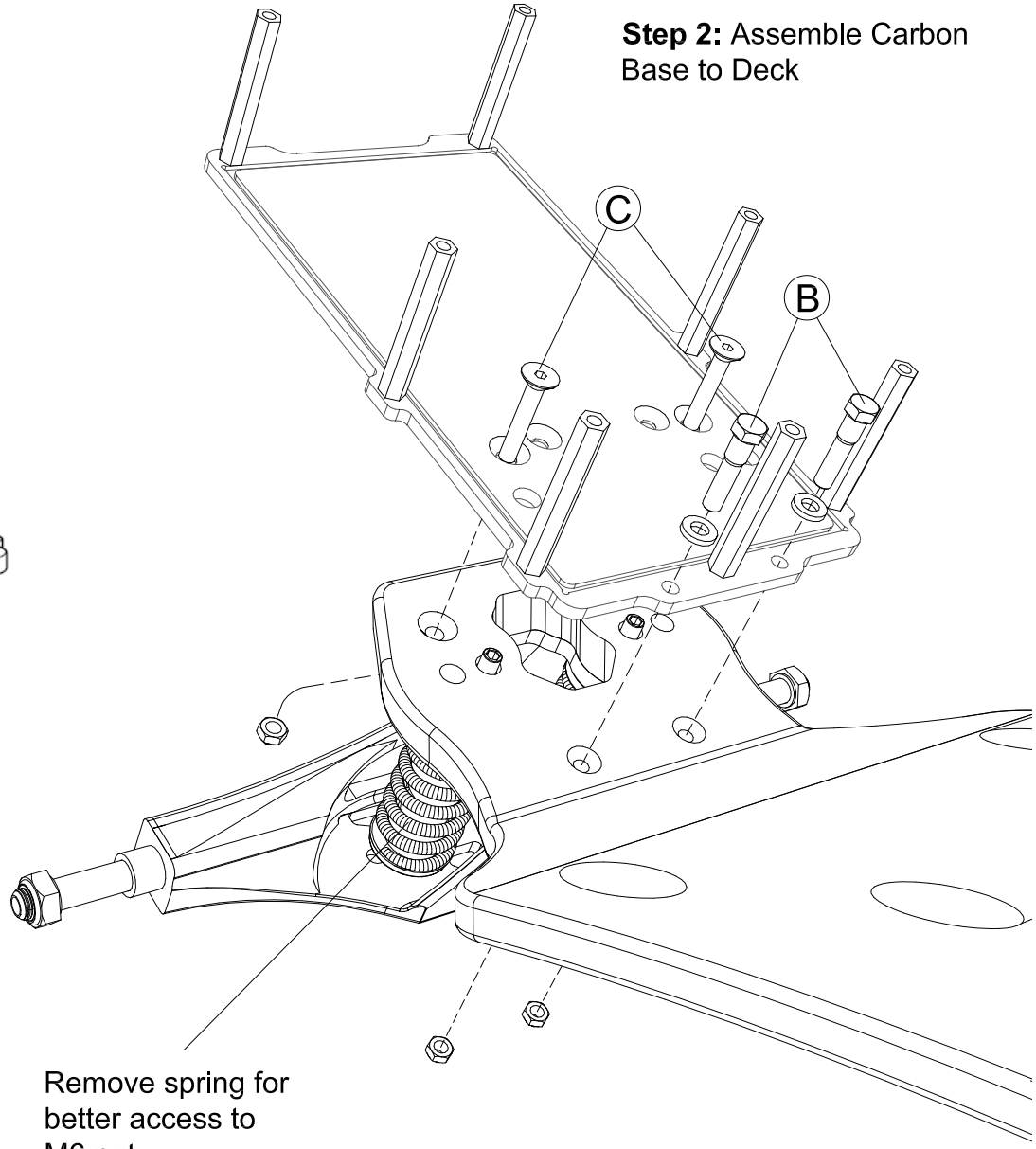

3x
small grommet
1x
large grommet
3x
oval grommet
10x Cable Tie
Shrink Tube
1x Cable Tie
Sticker Clip
8x
M4x50
7x
M4x10
1x
M4x10
7x
M4x50
2x
M6x30
2 x M6 Nut
4x
M5x12
2x
M5x30
2 x M5 Nut
2x
for M5


Tools and Locking Paste
8mm
2 x
7mm
1 x
Blue
Lock
1 x 2.5 mm
1 x 3.0 mm
1 x 4.0 mm

Step 1: Mount Spacer Nuts to Carbon Base



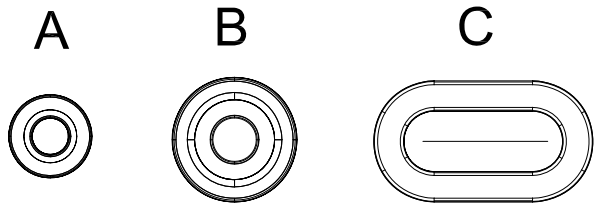
Step 2: Assemble Carbon Base to Deck

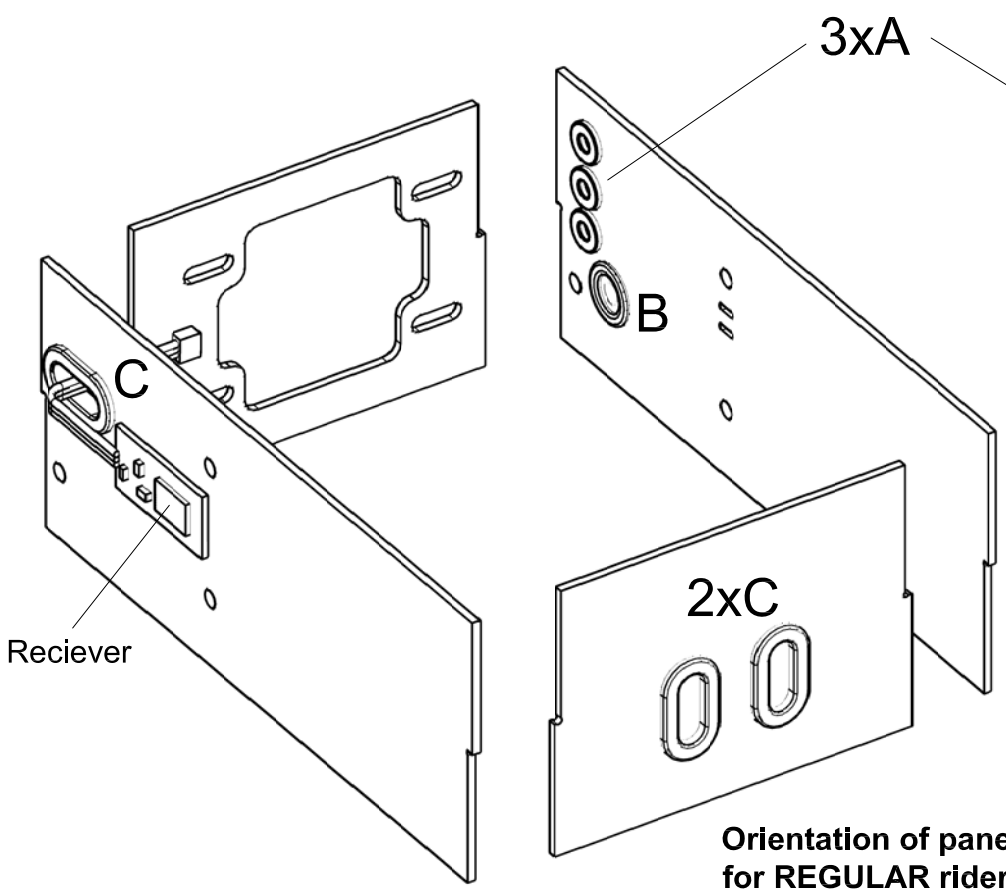


Remove spring for better access to M6 nut

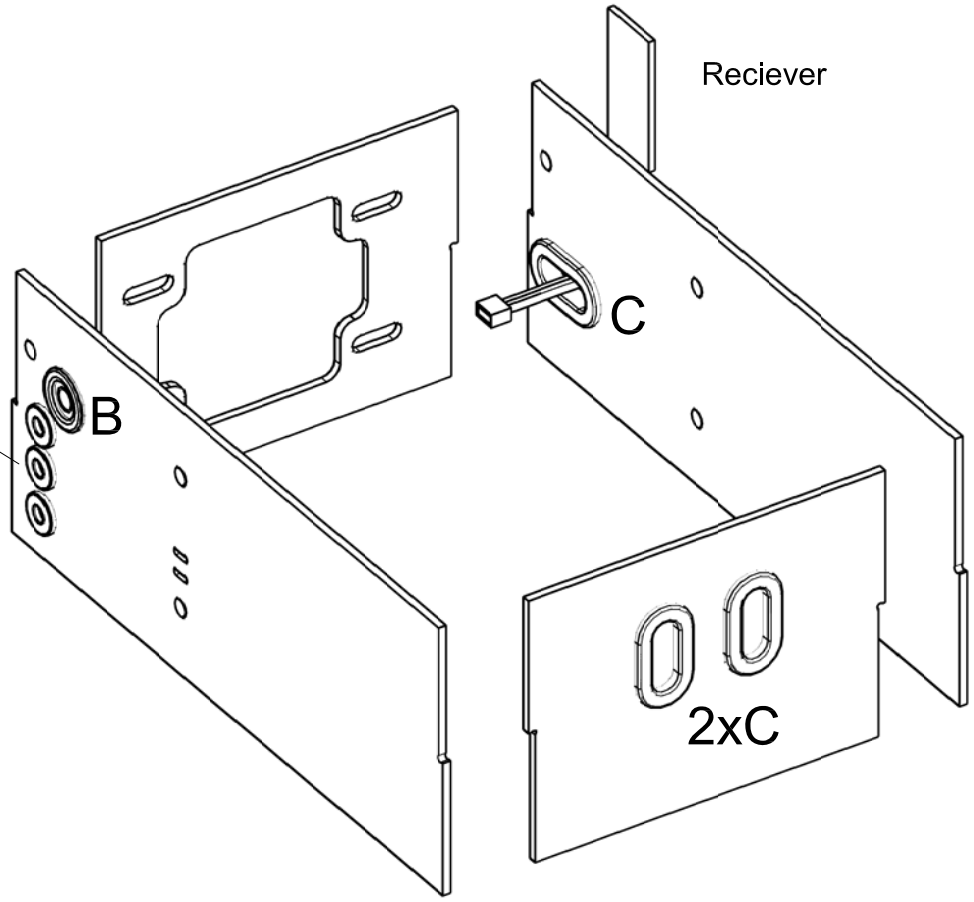
A	Spacer Nuts 7x	M4 x 50 Spacer Nut; M4 x 10	1 x 7mm; 1 x 2.5 mm
B	Truck bolt 2x	M5 x 25; M5	2 x 8mm
C	Truck bolt 2x	M6 x 30; M6	1 x 10mm; 1 x 4 mm

Step 3: Push grommets into carbon panel cutouts & align panels according to your ride orientation (Regular / Goofy)



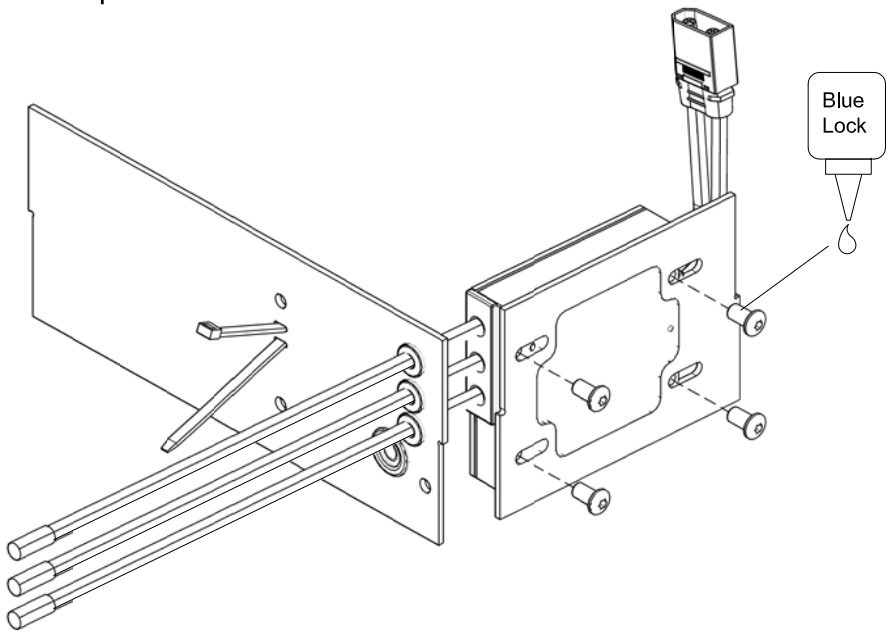


Orientation of panels for REGULAR riders

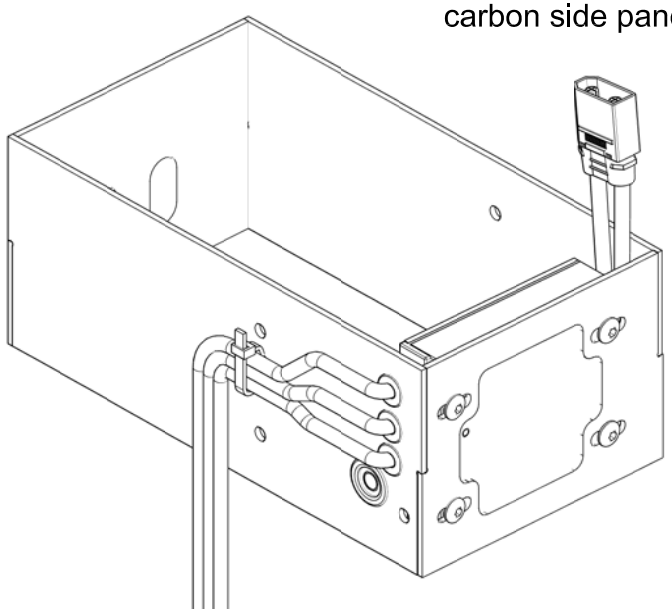


Orientation of panels for GOOFY riders

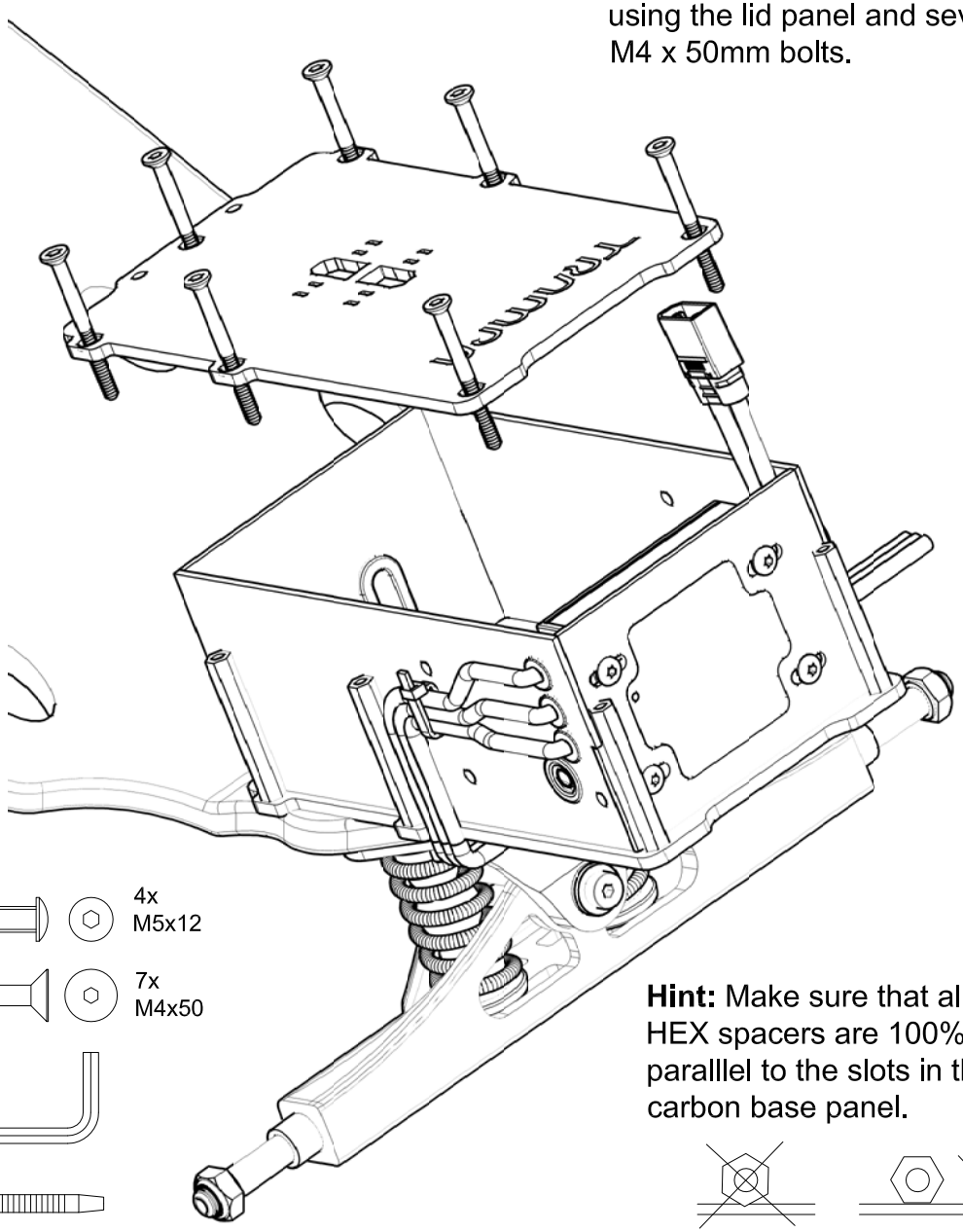
Step 4: Mount VESC to VESC-Panel & feed motor leads through carbon side panel. Use a cable tie to fix cables to carbon panel.

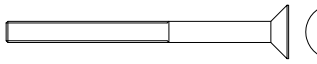


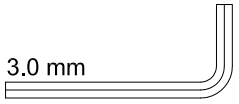
Step 5: position all carbon side panels.

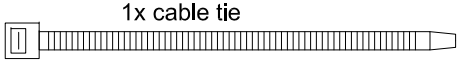


Step 6: Fit assembly to carbon base panel and close the box, using the lid panel and seven M4 x 50mm bolts.

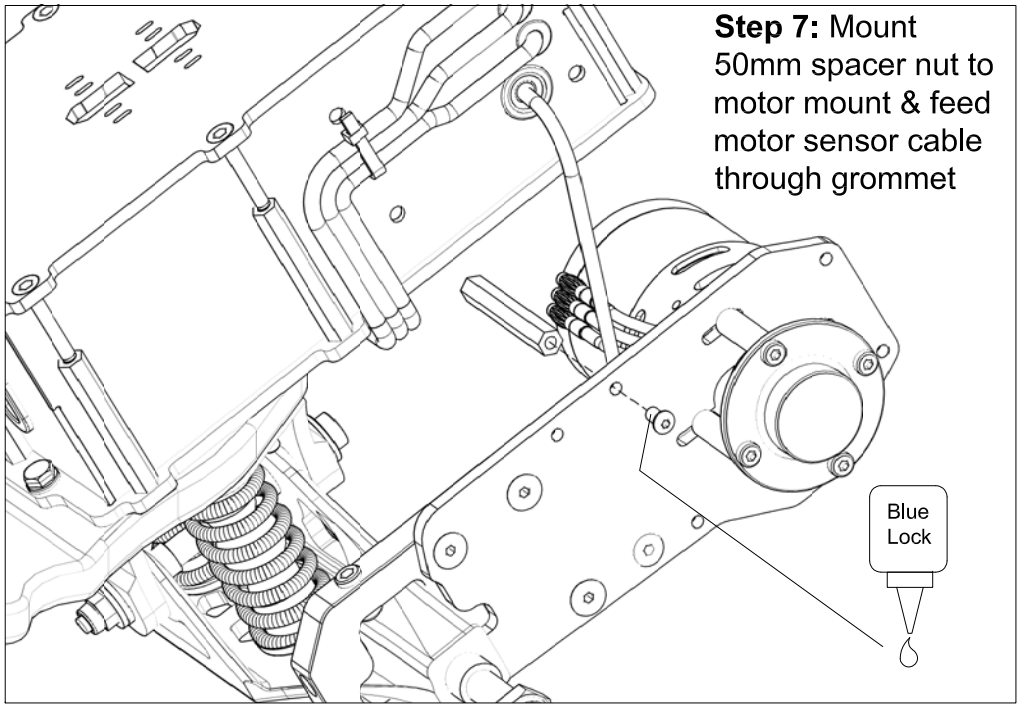




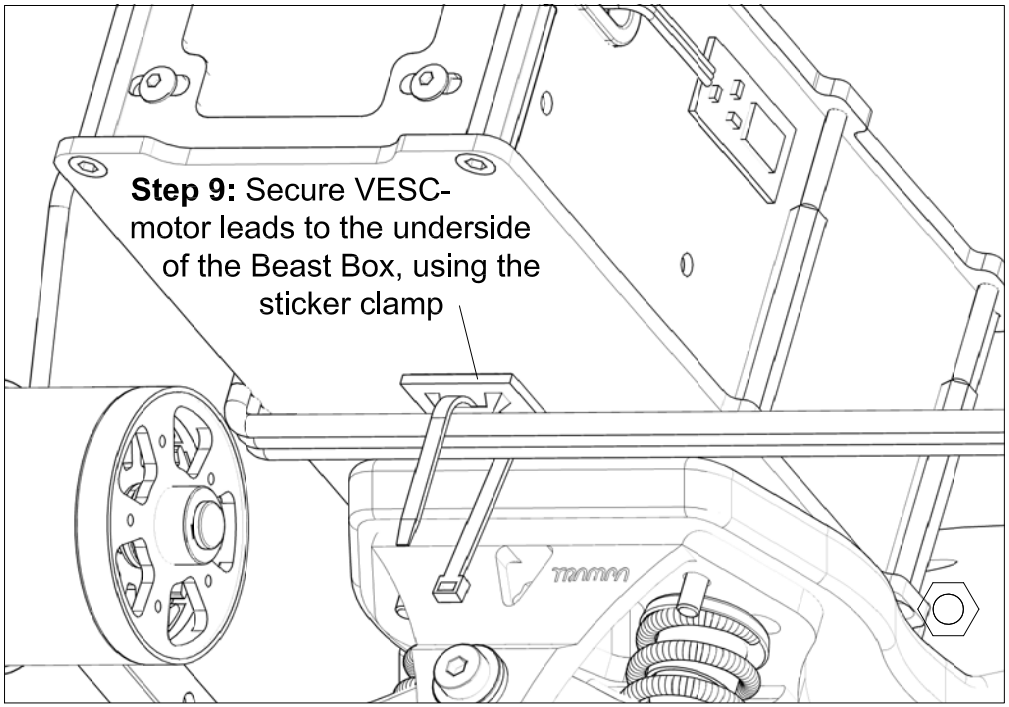




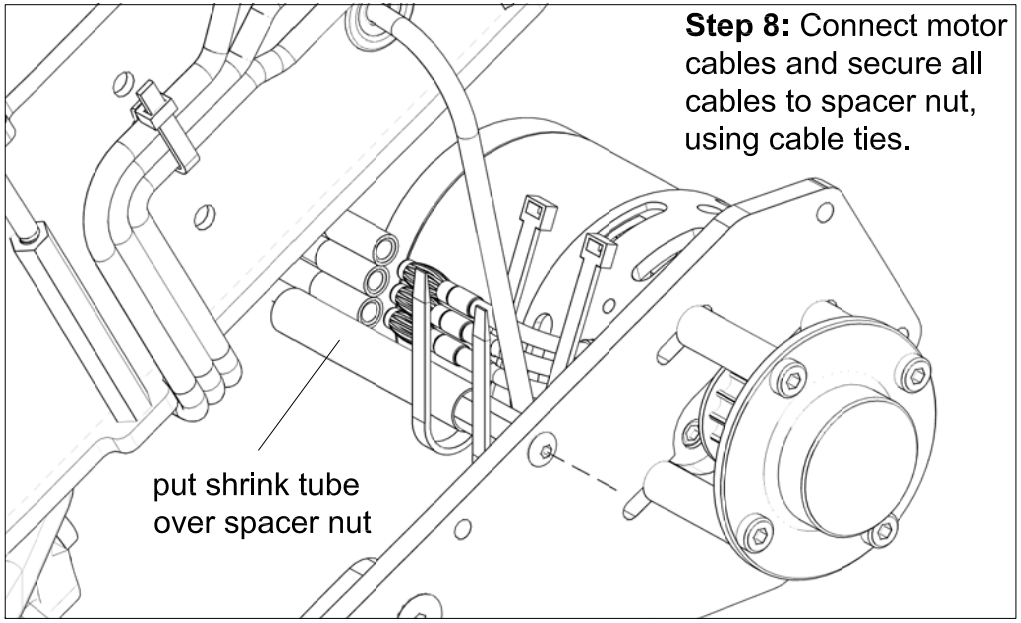
Hint: Make sure that all HEX spacers are 100% paralllel to the slots in the carbon base panel.



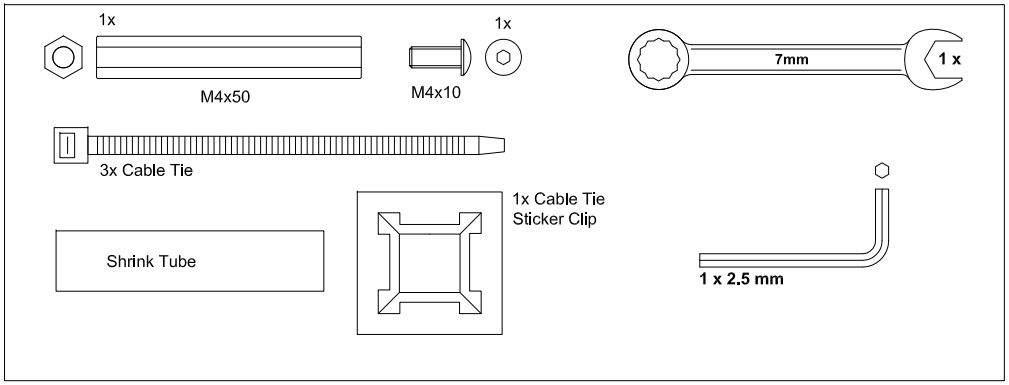
Step 7: Mount 50mm spacer nut to motor mount & feed motor sensor cable through grommet



Step 9: Secure VESC-motor leads to the underside of the Beast Box, using the sticker clamp



Step 8: Connect motor cables and secure all cables to spacer nut, using cable ties.



Hint: Cover your silicone wires in braiding to make them resistant agains cuts and perforations. Shrink tube the ends of the braiding to secure the braiding to the cables. Ad shrink tube over the motor bullet connectors after plugging in the VESC-motor leads. Deburr any sharp edges that could cut into the silicone cables!

Step 10: After successfully installing the hardware, it is time to visit

www.vesc-project.com and download **VESC-Tool.**

You should have received an email from us, containing some useful information and a code to unlock the VESC-Tool Original download. Step by Step set up manuals can be found under Documentation:

https://www.vesc-project.com/node/178

Please connect your VESC to a single 6S battery (if you have a 3S to hand, even better). Connect your VESC via USB to your computer and finish the **Motor- and Input Setup Wizard.** VESC-Tool might want you do a firmware update first!

If you browse the Trampa Website, following the link to the VESC 6 product, you will get access to the **VESC-manual**, containing critical and useful information. Read through it!

Make sure to take your time to get things running smooth & with safe settings!

Recommended settings, using a 12S (twin serial 6S) battery with 40C rating and 5000-6500mAh capacity and Trampa 118KV, 136KV, 154KV Motor:

Choose FOC motor control mode

Motor Current Max: 45A (beginners should start with 15A)
Motor Current Max Brake: -30A (beginners should use 15A)

Battery Current Max: 45A
Battery Current Max Regen: -30A

Absolute Max Current: 130A

Warning!

Riding electric skateboards involves risks!

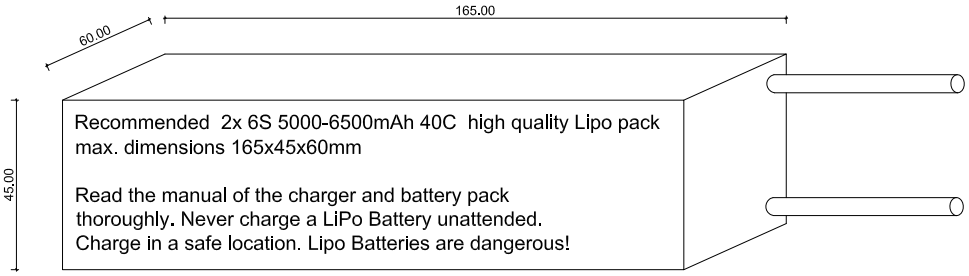
Never exceed your personal limits! Tune *Motor Max Current* down if necessary!
If you have any relevant questions: We are available to answer them!

Always wear appropriate protective gear! Skate helmet, spine protector, elbow- and knee protectors, appropriate boots and wrist guards are the bare minimum protection to use! Always ride in locations that are free of obstacles and other people crossing your way. Check if it is legal to ride electric skateboards in the area of choice. The laws and regulations differs from country to country and state to state. Electric skateboards are not road legal!

Check your equipment before riding thoroughly! Never ride your board if you experience trouble with your hardware, electronics and hand held radio connection.

VESC-Tool Screenshot

Max. battery dimensions and battery safety warning.

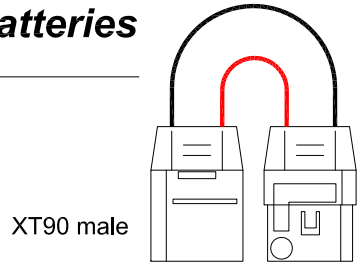


Wiring of the batteries

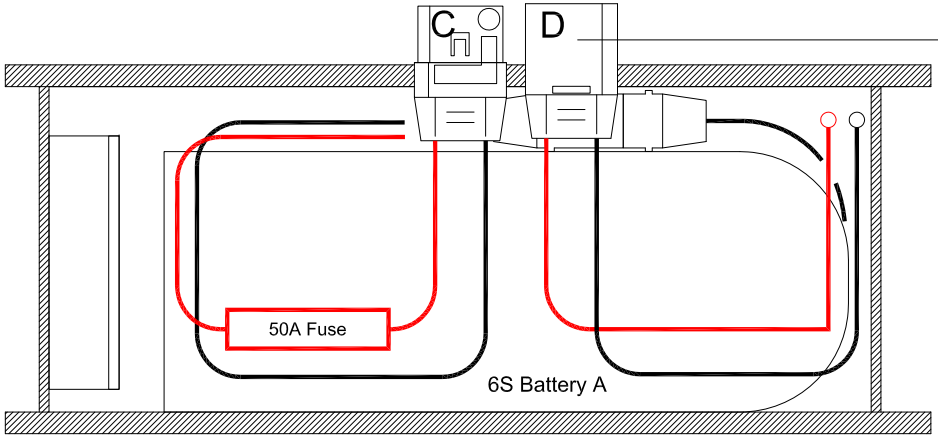
Warning: Secure batteries against any movement, impacts, denting and vibrations! Damaged LiPo batteries may **catch fire or explode.** Never charge LiPo batteries unattended. Never short circuit a battery!

Read the manual of your battery pack and charger thoroughly! Always use a **trustworthy LiPo/LiIon balance charger**, checking the individual cell voltages while charging. Battery **balance leads** need to be connected while charging.

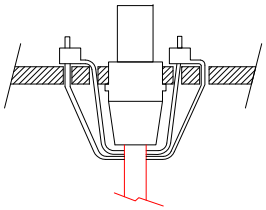
Cushion any part / edge that could cause mechanical damage to your batteries.



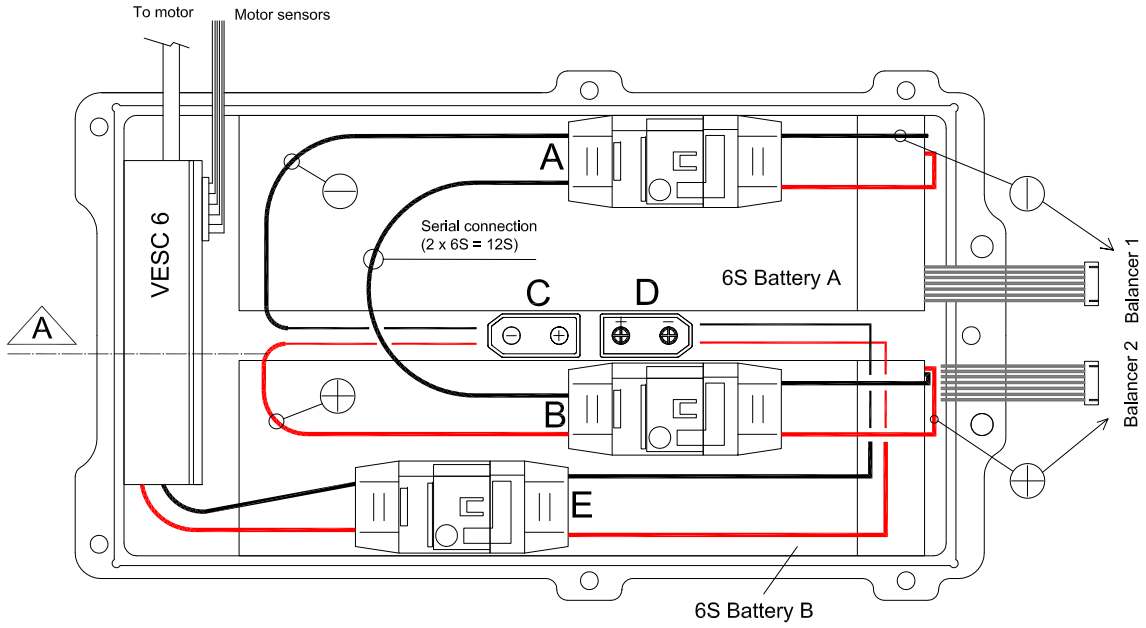
Plug in Loop to power up your Board.
Pull loop when board is not in use.
Pull loop in case of an emergency.



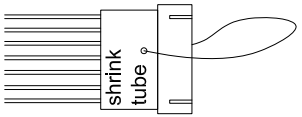
Section A



Use 2x cable ties to lock XT90 connectors in position.



Hint: String attached to balancer helps pulling it through the grommets. String can be fixed to M4 housing screw.



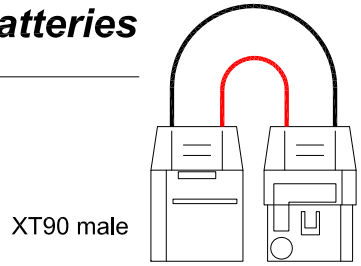
Battery A carries the minus pole of the serialized pack. Plug into balance port 1

Battery B carries the plus pole of the serialized pack. Plug into balance port 2.

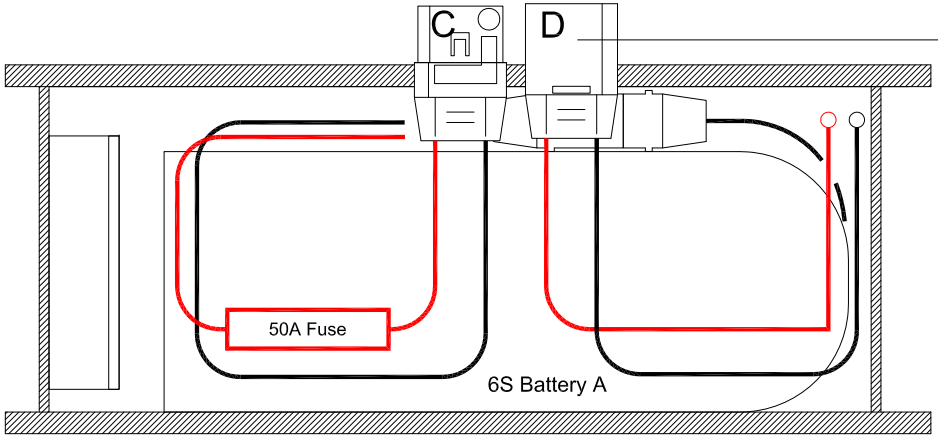
Warning: Secure batteries against any movement, impacts, denting and vibrations! Damaged LiPo batteries may **catch fire or explode.** Never charge LiPo batteries unattended. Never short circuit a battery!

Read the manual of your battery pack and charger thoroughly! Always use a **trustworthy LiPo/LiIon balance charger**, checking the individual cell voltages while charging. Battery **balance leads** need to be connected while charging.

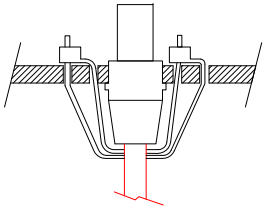
Cushion any part / edge that could cause mechanical damage to your batteries.



Plug in Loop to power up your Board.
Pull loop when board is not in use.
Pull loop in case of an emergency.



Section A



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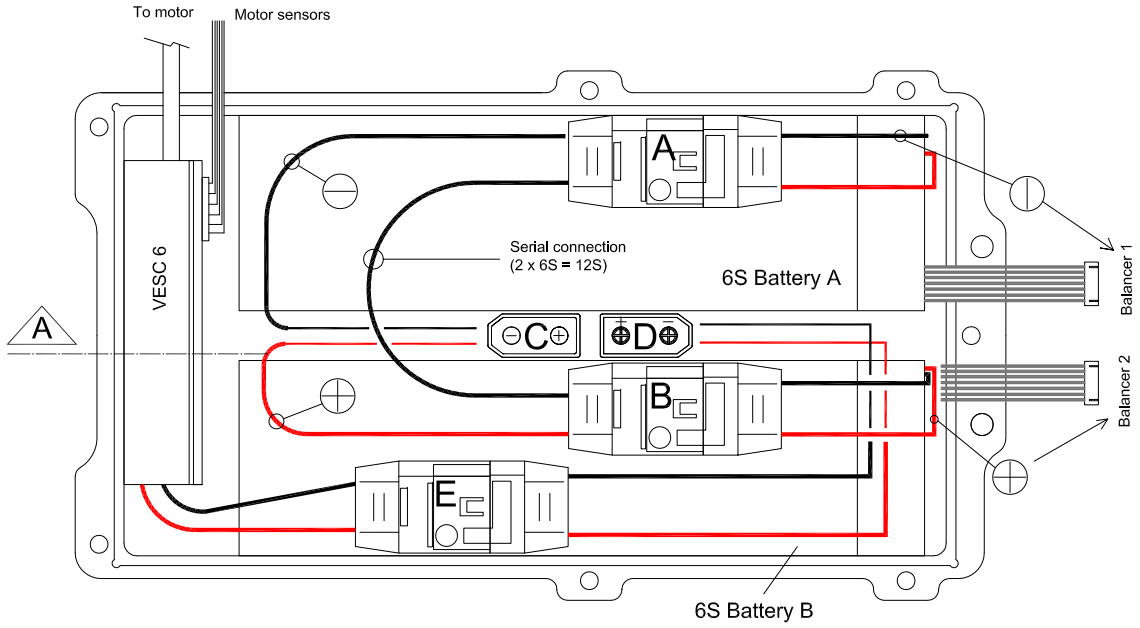
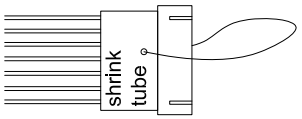


Hint: String attached to balancer helps pulling it through the grommets. String can be fixed to M4 housing screw.



Battery A carries the minus pole of the serialized pack. Plug into balance port 1

Battery B carries the plus pole of the serialized pack. Plug into balance port 2.