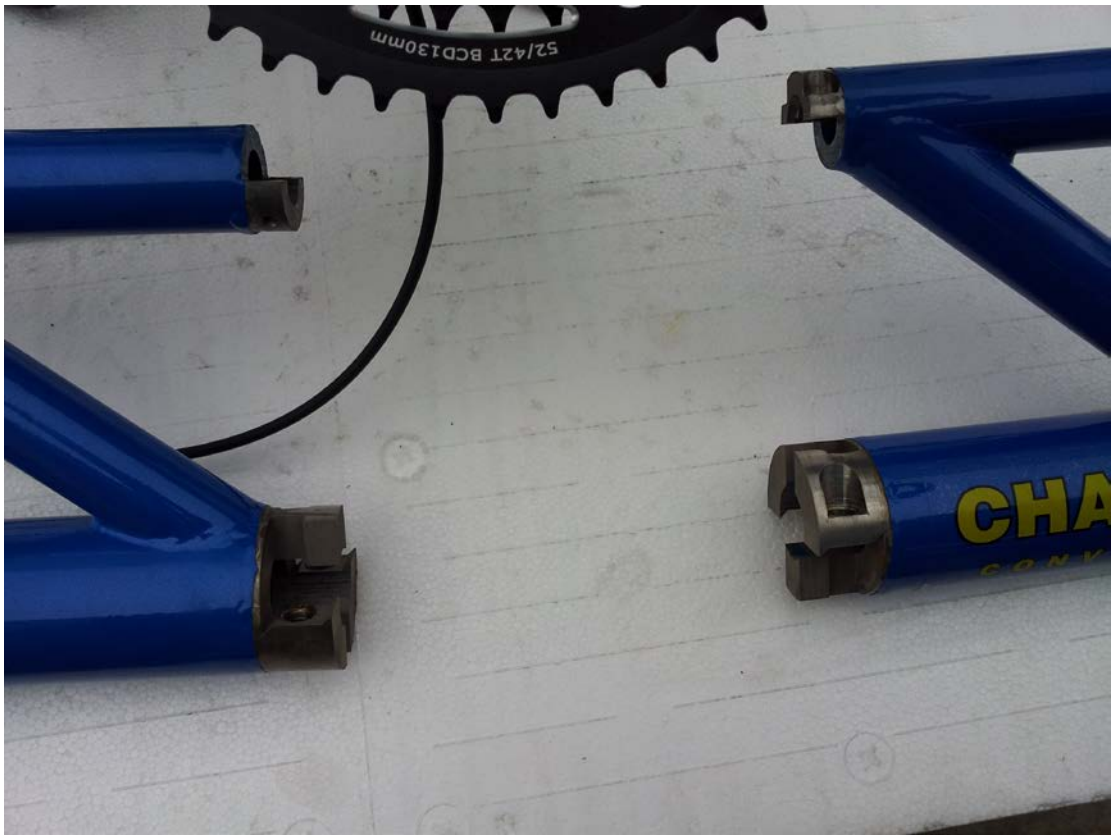
Trident Chameleon Assembly Maunal

Tools Required: 3,4,5 & 6MM Allen Wrenches, Adjustable or Metric Wrenches, Chain Tool,
Find a big open area to work and lay a pad down. Open box and remove all parts and remove all cushioning materials.
Assembly will start with the frame .Connect the 1st and 2nd part of the frame at the couplers.
Using the bolts and washers use a 6mm allen wrench and fully tighten.

The couplers will interlock- use bolts and washers.

Connect the 2nd and 3rd parts of the frame well. The method is the same as the first section.



Lastly connect the 3rd and 4th sections. Make sure everything is very tight. Please note that when making the Chameleon into a single Trike, you connect the 1st and 4th sections.

After the frame is all connected, the next step is to install the front fenders.

Remove bolts and caps from the top of the kingpin using a 5mm Allen Wrench.

Install the fenders , making sure the left and right sides are correct.

Reinstall the bolts and caps which you previously removed. Use a 5mm allen wrench wrench to tighten making sure you have taken up all the slack, but not too tight that it can't be rotated freely. Center the fenders and tighten the side bolts.

For the left side (right side in the UK and Australia) you need to install the mirror mount. Normally this is mounted with the fatter side closest to the wheel. Install the mirror on the fatter side. BE CAREFUL NOT TO OVERTIGHTEN THE MIRROR! On the inner side you can either install the front light or a computer. If you are using a wireless computer we do offer a wireless magnet mount on our accessories page. Once it is all tightened insert the rubber cap.

Next step is to install the wheels .The rear wheel has been installed ,so we just only need to install the fronts wheels Pay attention to the left and right wheels, there is an arrow on each tire showing the rotation direction .First take the front wheel spindle screws and caps off. Then install the spindle into the kinpin from the bottom up, making sure the brake rotor is in the brake caliper slot. Finish the attachment using the inner aluminum bushing and 6mm allen bolt.

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Now that all the tires are on the ground you can inflate them. We recommend pressures between 80-100PSI. Now, we can start installing the seats, adjusting the boom lengths, and installing the chains.

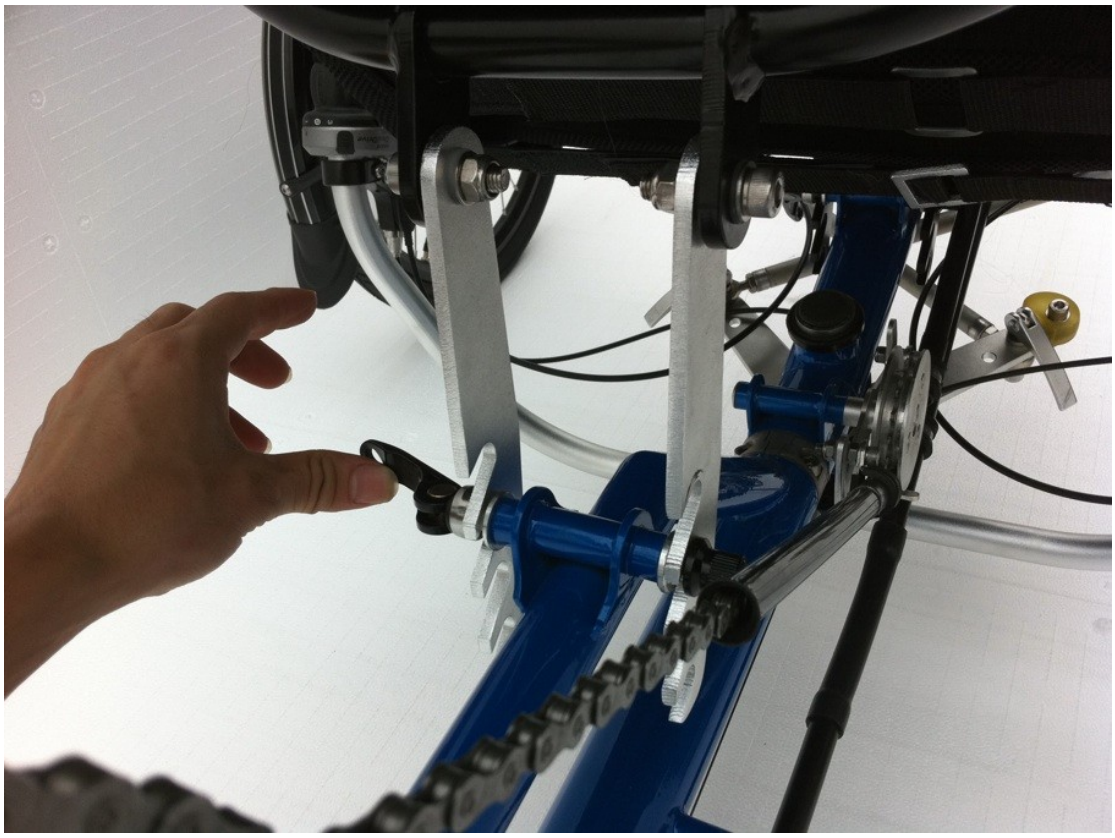
Take one of the seat frames and we are going to install the rear handlebars. First install the horizontal pieces under the seat frame, and then install the vertical pieces.

Now it’s time to install the seat covers. Start at the top. Once the top of the seat cover is on, slide the bottom on.

Put the straps through the buckles and tighten one by one. After you have ridden the Trike the first time they will stretch a bit so you can retighten them.

Install the seat frames onto the Trike. There are 3 height adjustment slots and 4 angle angle adjustment slots so you can be sure to find a comfortable positon.

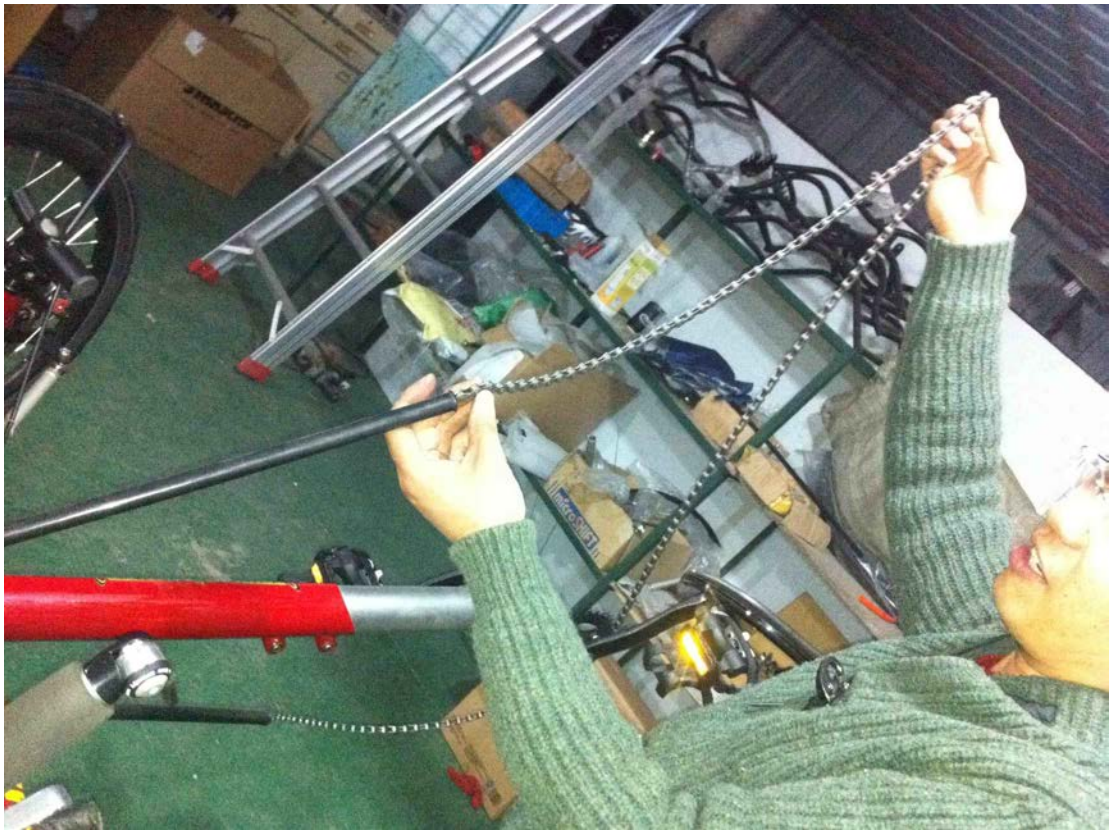
Make sure the Seat Quick Release Levers are snug.



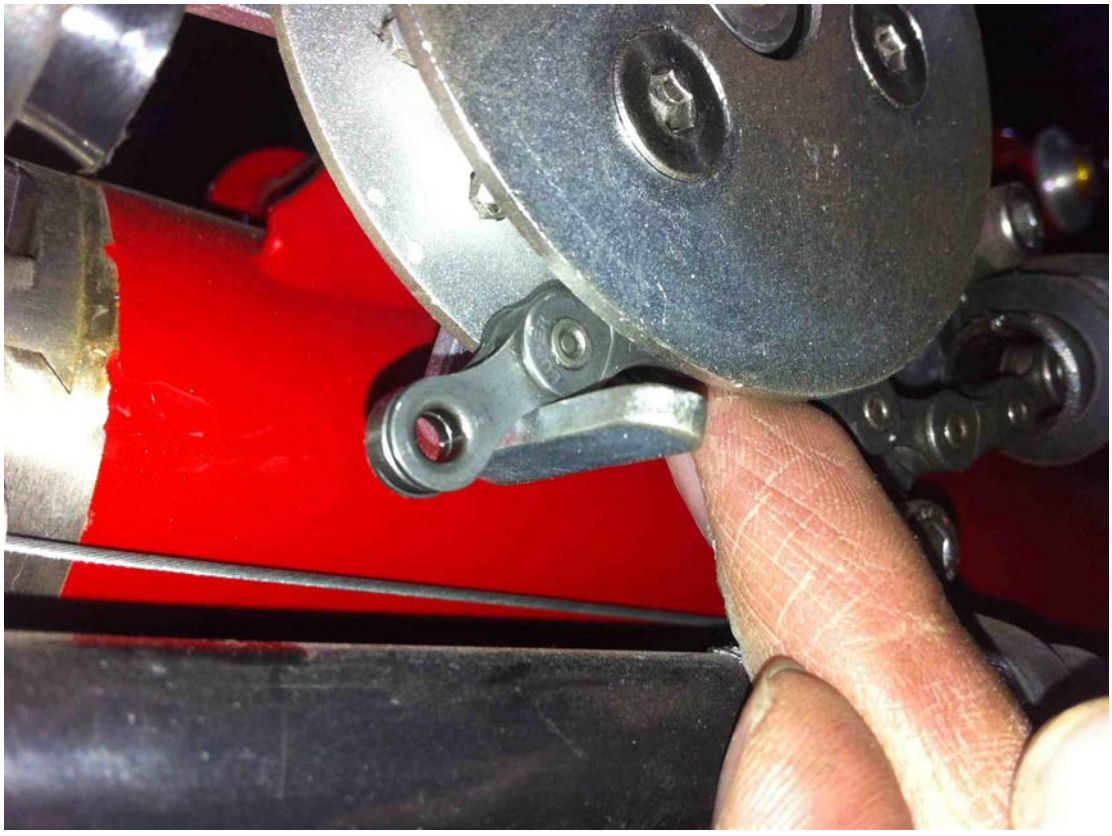
You can also install the Seat Mounted Water Bottle Cages at this time, as well as the optional neckrests if you purchased them. For the neckrests, please note that for longer neckrests lengths, the Quick Release mounts at the top as shown in the picture. For shorter neckrest lengths the bracket is reversed so the Quick Release is at the bottom

Loosen the boom bolts and turn booms perpendicular to the floor. Retighten slightly and install pedals. Please note that the left pedal has reverse threads. Reloosen again and adjust the boom lengths of both the Captain and Stoker to the desired lengths. Fully tighten the boom bolts.

Now, we will start to install the chains. We will start with the front chain.



Hold the chain tube at the higher to make sure the chain can go inside of the tubes by itself . Wrap the chain around the front chainring.



Put the chain thought the idler pulley.

Get round the back crankset , get it through the tensioner. You will now have to adjust the length of this chain using a chain tool. Please note the tensioners approximate position- this is the correct length. Use a master link to connect the top and bottom .

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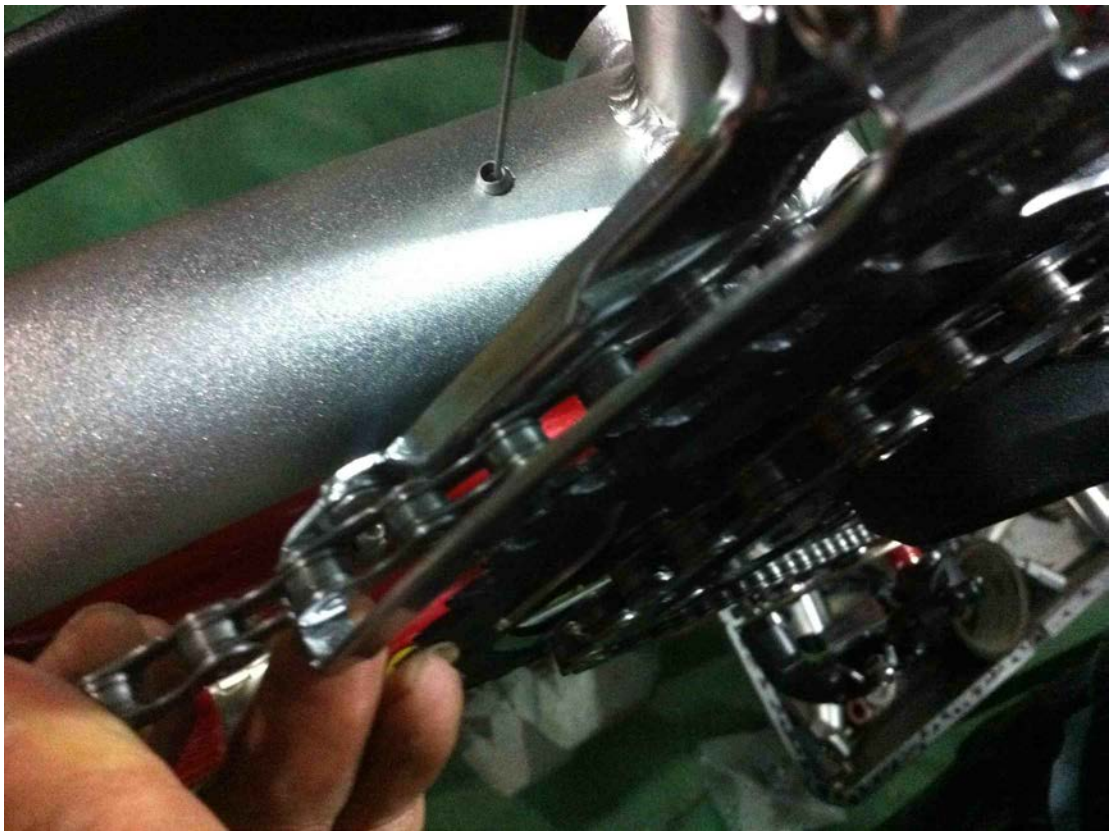
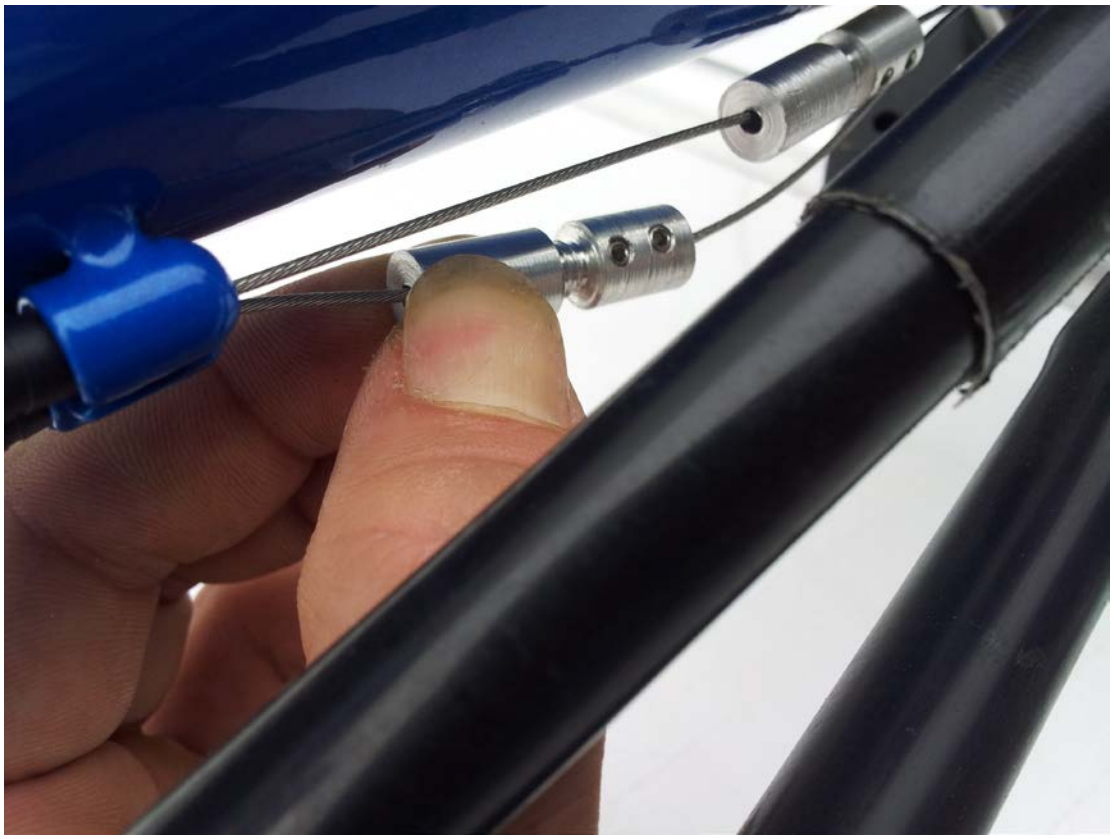
Now we can install the rear chain.



The chain will go through the front derailluer then through the chain tube , then to the idler pulley. Next wrap it around the cassette, through the rear derailleur, and finally through the chain tube.

Lastly you will need to adjust the chain length of the rear chain using a chain tool . Put the chain in the middle chainring on the Stoker's crankset, and on gear 4 (starting from the top) on the rear cassette. When you have the right length the Derailleur hanger should be at approximately "6:30" O 'Clock- just left of perpendicular. Put the chain back together using a master link. Don't forget that using a master link ADDS a link to the chain when measuring length.

Connect the rear derailleur coupler as well as the Dual Drive Hub cable couplers.



When converting to a single Trike, you remove the center section of the cable from the couplers.

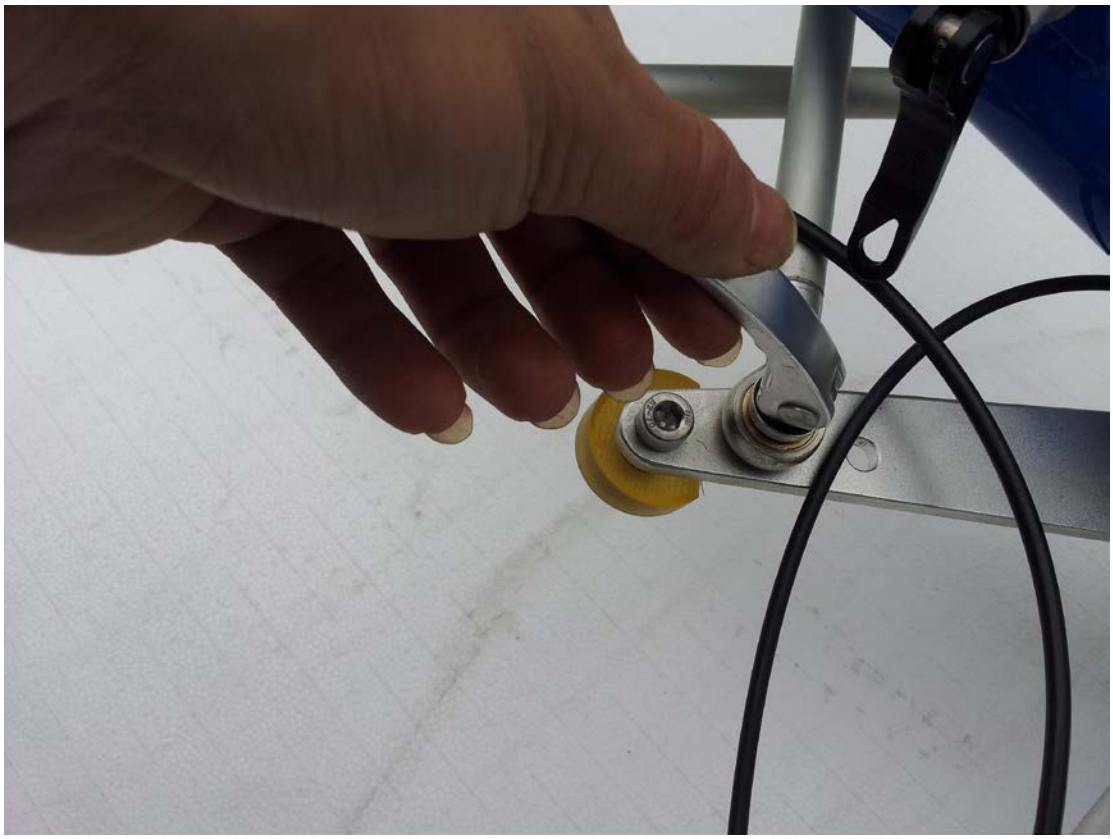
At this point you might have to make some minor adjustments to the brakes and the Dual Drive Hub. If you are unsure how to do this here are some links to helpful guides .

Brakes: http://www.parktool.com/blog/repair-help/avid-reg-mechanical-disc-adjustment

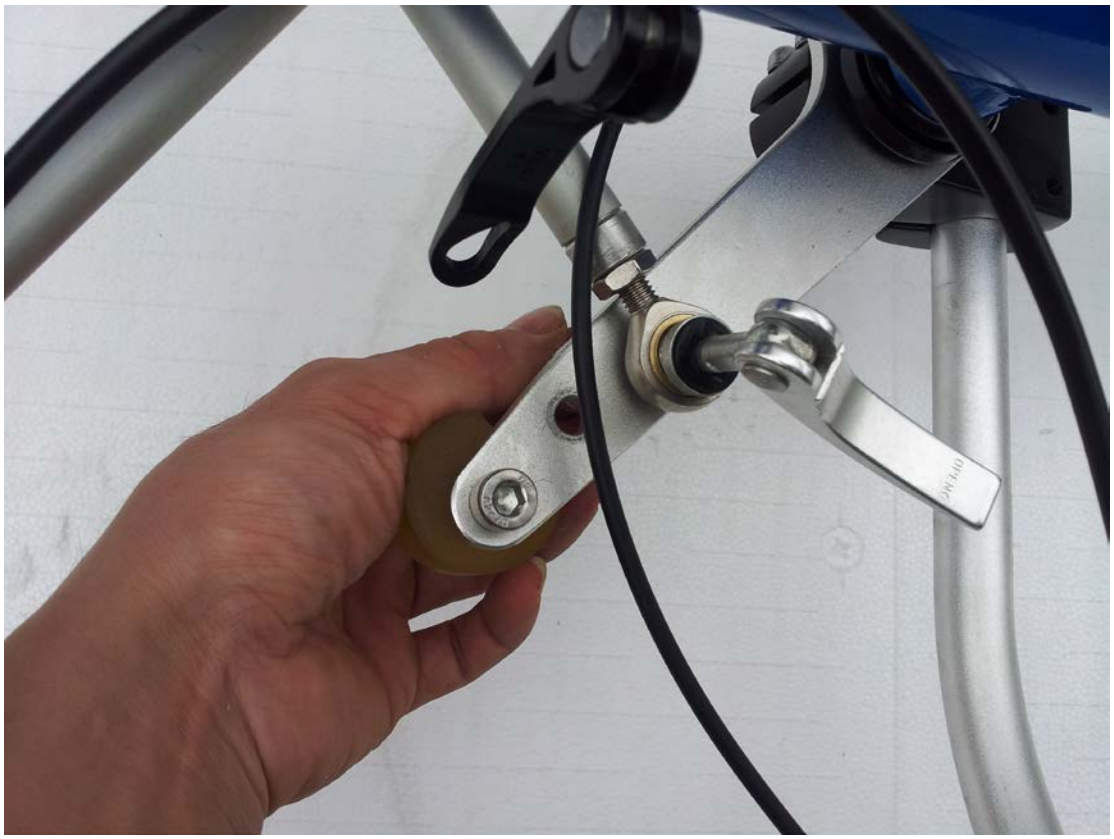
Dual Drive Hub:
http://cdn.sram.com/cdn/farfuture/0sSYNNTK1rz3BzfixWb58fWVPBMb2r_GMJaMqeCcoak/mtime:1297962095/sites/default/files/techdocs/DualDrive_Ins_E_12_02.PDF

Last thing that must be done is to lube the chain using your favorite brand of chain lube. Be heavy handed the first time you do this as it is important to coat the insides of the chain tubes with a little lube.

The QR at the steering rods are for changing the position of the steering rods when changing between Tandem and Single Trike.



Outside holes for Tandem model



Inside holes are for single model

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