



The therapeutic tricycle for children with disabilities



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Assembly Instructions

AmTryke Adult Recumbent Model HP1000 #50-HC-1000



TOOLS Needed for Assembly

- 5 mm Allen Wrench
- 8 mm Socket or Wrench
- 10 mm Socket or Wrench
- 14 mm Socket or Wrench
- 15 mm Socket or Wrench
- 22 mm Socket or Adjustable Wrench
- Needle Nose Pliers W/ Side Cutters
- Phillips Screw Driver

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Rear Deck Assembly

- 6) Remove the 22mm nuts & flat washers from both ends of axle, slide wheel over each side, pay attention to tire directional arrow.



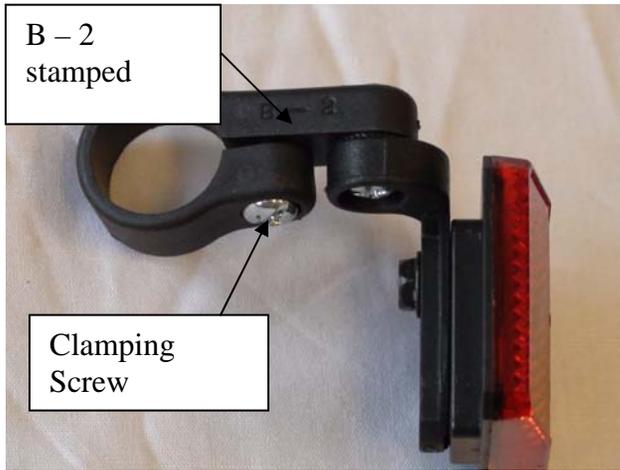
- 2) Slide flat washer over each side and then thread a 22mm nut on each side. Tighten using a 22mm socket or adjustable wrench, do not over tighten as wheel bearing we be damaged.



- 3) Install black round caps on each side, lightly tap to secure in place.



4) Install red reflector on bracket for rear deck using Phillips screw driver, bracket will have B-2 stamped on it.



5) Using Phillips head screw driver remove clamping screw from bracket, open clamp and install on rear, thread clamping screw and tighten.



Front Tire Installation

- 1) Remove two black thread protectors located on each side, center of front rim.
- 2) Using the thin black quick release axle, remove the thumb nut from one side and the spring.
- 3) Place front tire in front fork.



- 4) Slide shaft of quick release axle through center of rim.

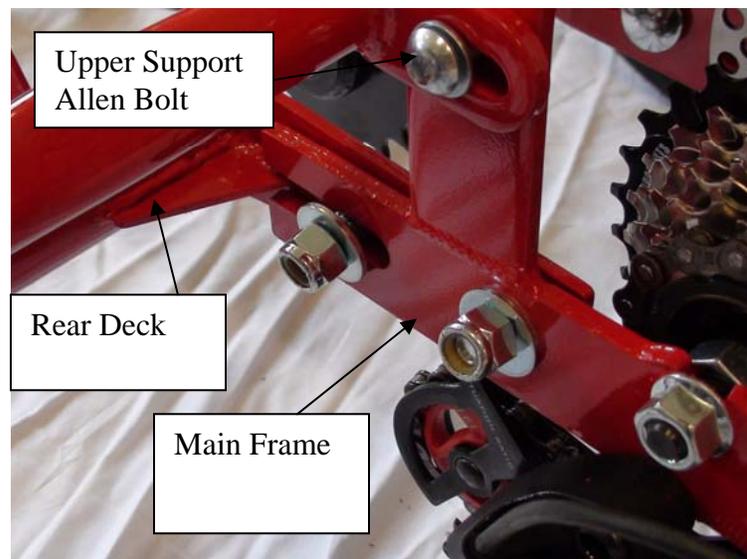


- 5) Install spring on other side with narrow end pointing inwards, thread thumb nut back on and tighten.

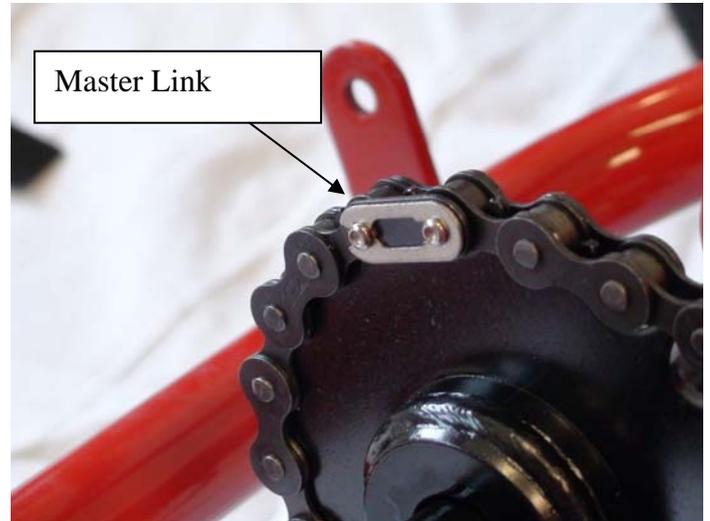
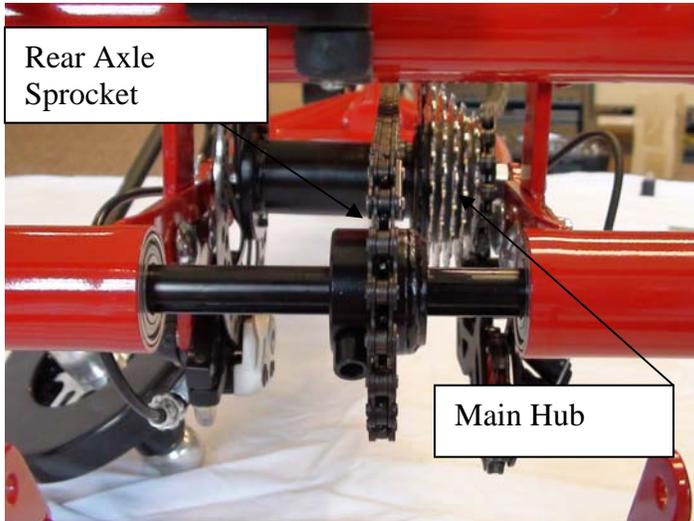


Attaching Rear Deck to Main Frame

- 1) Slide rear deck into main frame.
- 2) Using four large lag bolts, 4 large flat washers and four large nuts attach rear deck to main frame, use a 15mm socket or wrench to tighten nuts. Do not tighten up completely at this point.



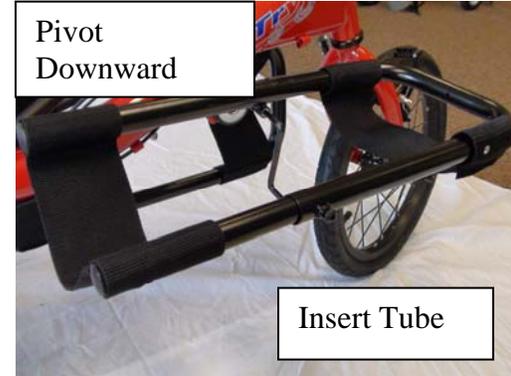
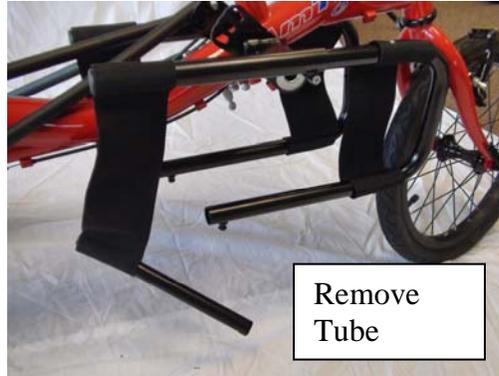
3) Install chain from main hub to rear axle sprocket.



- 4) Using a pair of needle nose pliers snap the master link in place.
- 5) Pull back on the rear deck to tighten the chain, while pulling back tighten the four 15mm nuts using a 15mm socket or wrench.
- 6) Install two upper support Allen bolts, washers and nuts using a 5mm Allen wrench & 13mm wrench. There is one on each side of the rear deck.

Leg Supports

- 1) The leg supports are already attached. Due to constraints in packaging you will need to set them up.
- 2) Leg support on the right side will need to be repositioned, pull the lower bar out of the main piece, pivot the main piece to stick out on the right side, insert bar back into main piece & tighten.
- 3) The left side will need to be pivoted to stick out like the right side & tightened down, do this after installing the main steering.



Main Steering Installation

- 1) The main steering tube is pre-attached to the frame and is on a hinged point. Raise the main steering tube so that the angle adjuster can be folded down.



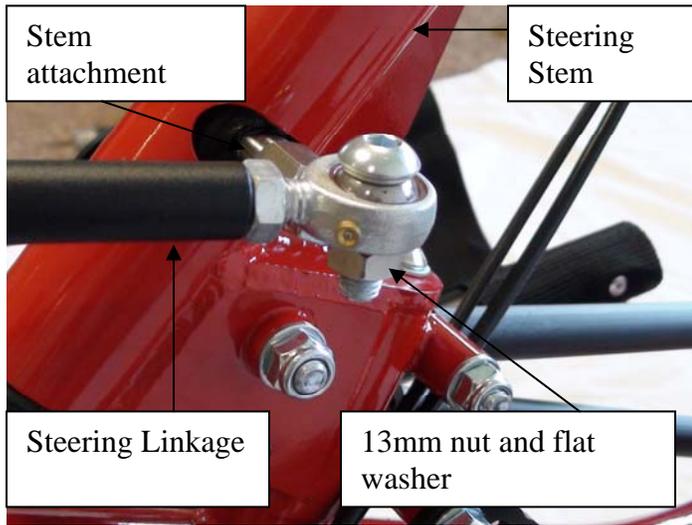
- 2) Pre-installed in the frame is a long Allen head bolt. Remove the bolt but unscrewing the nut and align the angle adjuster to the hole in the frame. Install the Allen bolt and nut and tighten.



- 3) The angle of the steering/crank can be adjusted to fit the rider by loosening up the two Allen head bolts located on the collar.



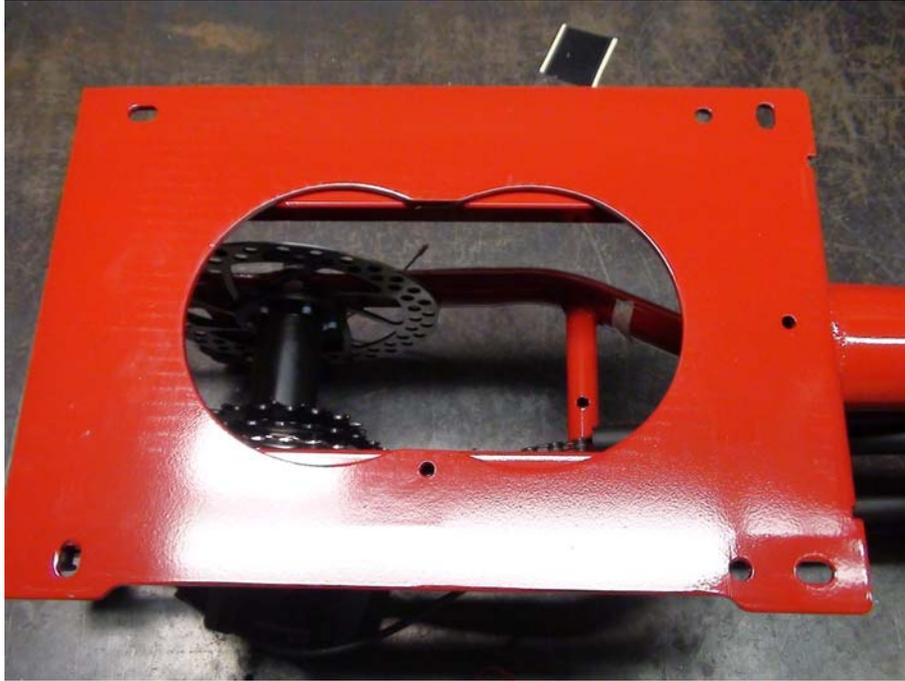
- 4) Install handgrips, shift/rear brake goes on the right, while the front brake is on the left, the right side threads in clockwise while the left side threads in counter clockwise.
- 5) Install the steering linkage; remove the two nuts and flat washers already installed.
- 6) Using a 5mm Allen wrench thread the screw through the steering stem attachment, slide one flat washer over the exposed thread and thread the 13mm nut, tighten.



- 7) Slide flat washer over front screw and thread 13mm nut, use a 5mm Allen wrench and 13mm wrench or socket to tighten.

Attach Seat Frame to Main Frame

- 1) Place the bottom seat frame on top of seat mounting plate. Use four Allen head bolts and washer to attach the seat to the seat mounting frame.



- 2) Move seat sliding bracket forward all the way so that the two front holes are exposed. Install one Allen head bolt in each hole and thread nut on from bottom.

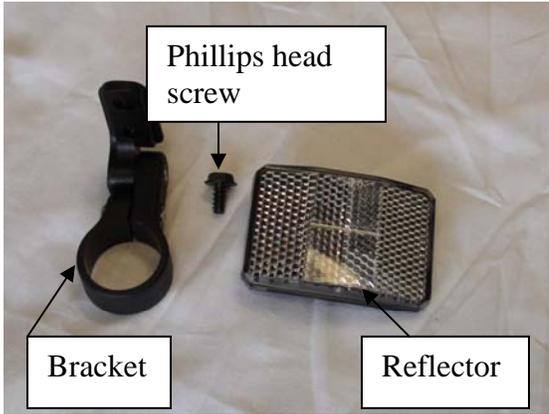


- 3) Move seat forward as far as it will go to expose to rear mounting holes. Repeat same process as in previous step and tighten nuts.

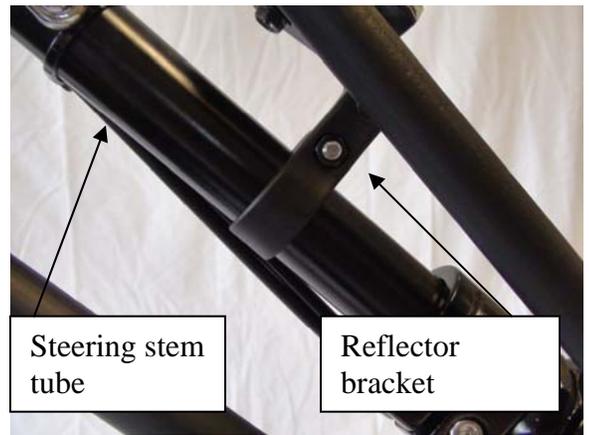
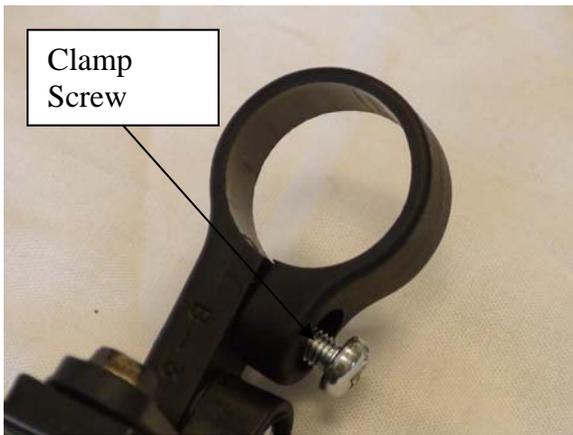
4) Insert seat back into seat bottom frame, use two black long Allen head bolts and two nuts to attach seat back to seat bottom.

Front Reflector

1) Attach reflector to bracket, use Phillips head screw.



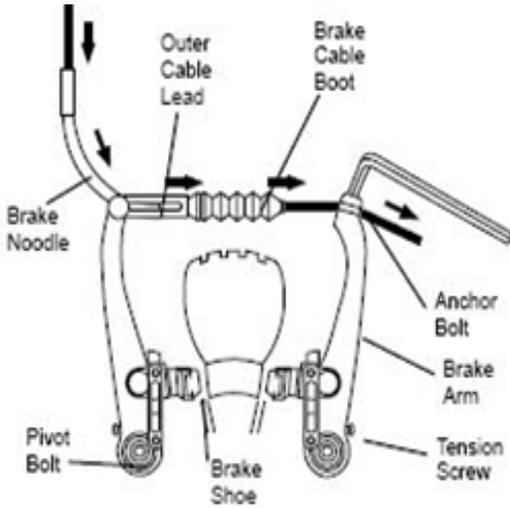
2) Remove clamp screw, open clamp and place over steering stem tube.



Front Brake

V-Style Brakes

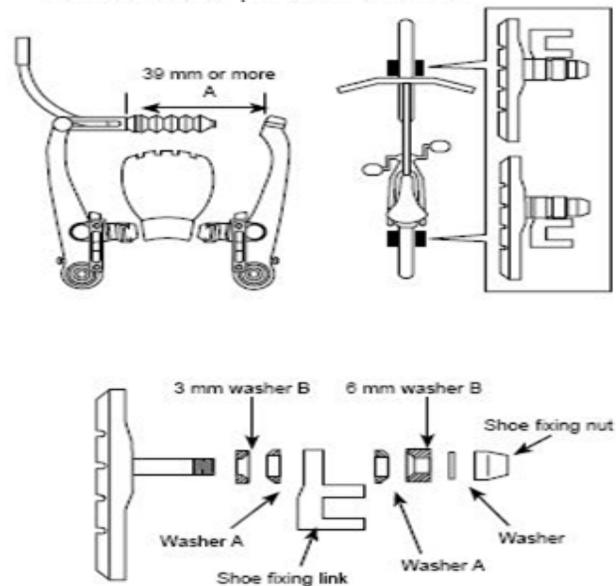
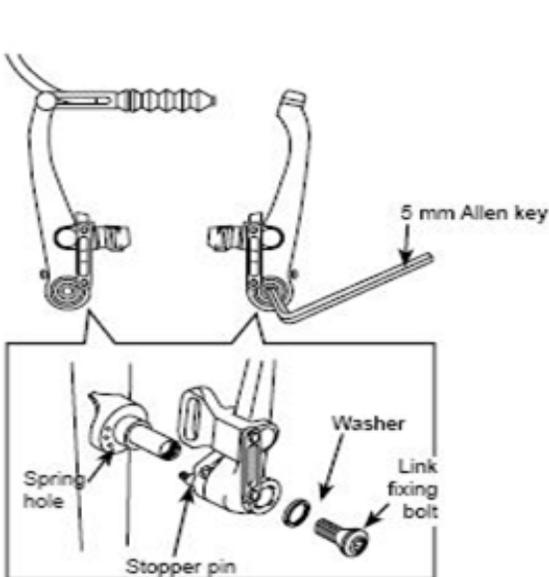
If not already assembled, take the brake noodle from the parts box and slide the cable through the larger opening. The cable housing will then seat into the end of the noodle. Slide the cable through the cable lead on the end of the left brake boot arm; this will cause the noodle to fit into the lead. Slip the brake cable boot over the cable and position it between both brake arms. Next loosen the 5mm anchor bolt at the end of the right brake arm and slide the cable under the retaining washer. Pull the slack out of the cable making sure a distance of 39mm or more remains between the end of the lead and the start of the anchor bolt. Once the cable is secured to the brake arms, engage the brake lever several times, checking the position of the brake shoes at the rim. The brake shoes should be 1mm away from the rim when in a relaxed position. When the brake lever is engaged, the brake shoe should hit the rim flush (never the tire) with the front brake pad touching the rim slightly before the rear. This is called “toeing-in” your brake shoe. If this position is not achieved, adjustments to the brake shoe are required. Loosen the brake shoe hardware and reposition the brake shoe. It may take several shoe and cable adjustments before the required position is accomplished.



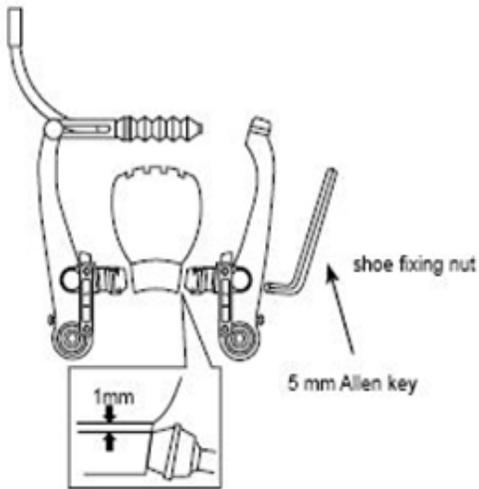
V-Brake

1. If fitted with V-Brakes, insert the brake body into the center spring hole in the frame mounting boss, and then secure the brake body to the frame with the link fixing bolt.

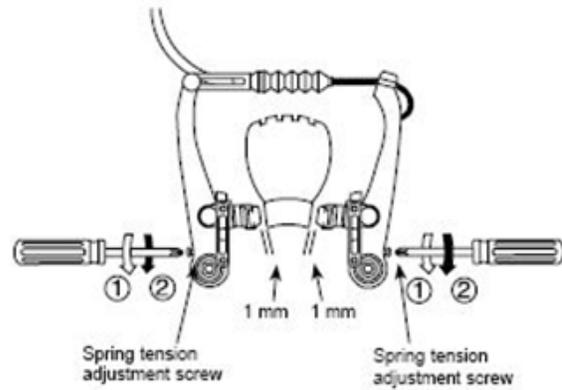
2. While holding the shoe against the rim, adjust the amount of shoe protrusion by interchanging the position of the B washers (i.e. 6 mm and 3 mm) so that dimension A is kept at 39 mm or more.



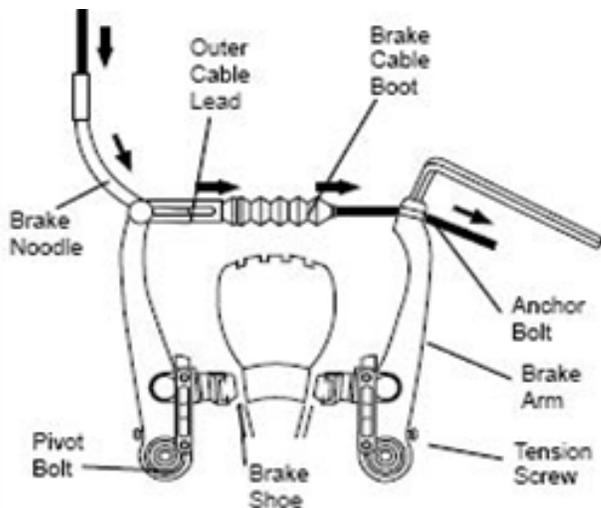
3. While holding the shoe against the rim, tighten the shoe fixing nut.



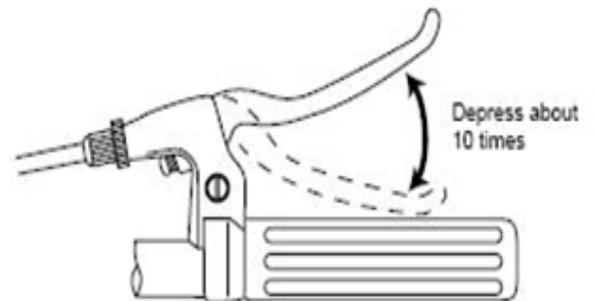
5. Adjust the balance with the spring tension adjustment screws.



4. Pass the inner cable through the inner cable lead. Set the cable with the clearance of 1mm between each brake pad and the rim, tighten the cable fixing bolt.

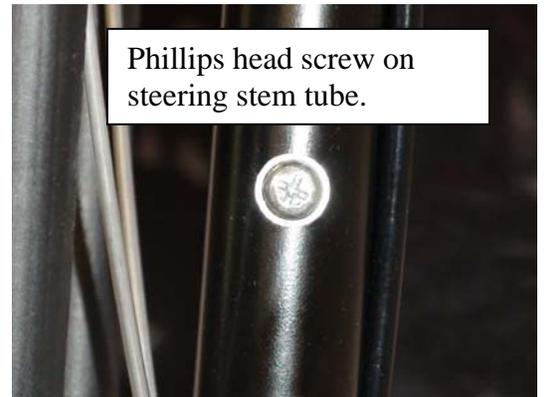


6. Depress the brake lever about 10 times as far as the grip to check that everything is operating correctly and that the shoe clearance is correct before using the brakes.

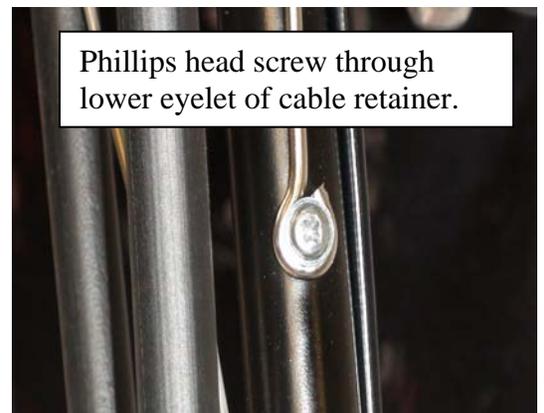


Cable Retainer

1) Remove the Phillips head screw located on the steering stem tube.



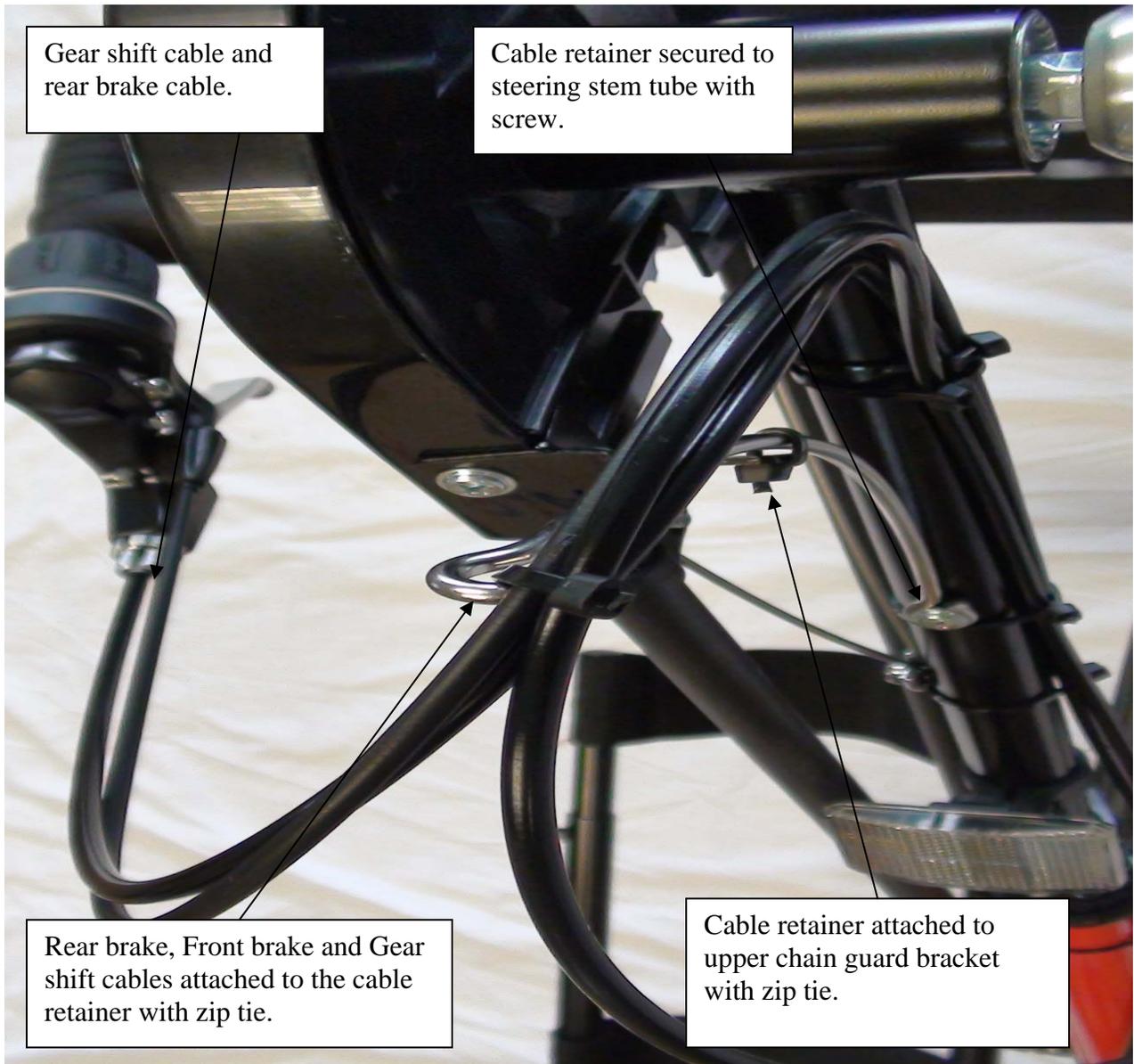
2) Put screw through lower eyelet of cable retainer and thread back into steering stem tube.



3) Attach the cable retainer to upper chain guard bracket using a zip tie. Clip off excess zip tie.

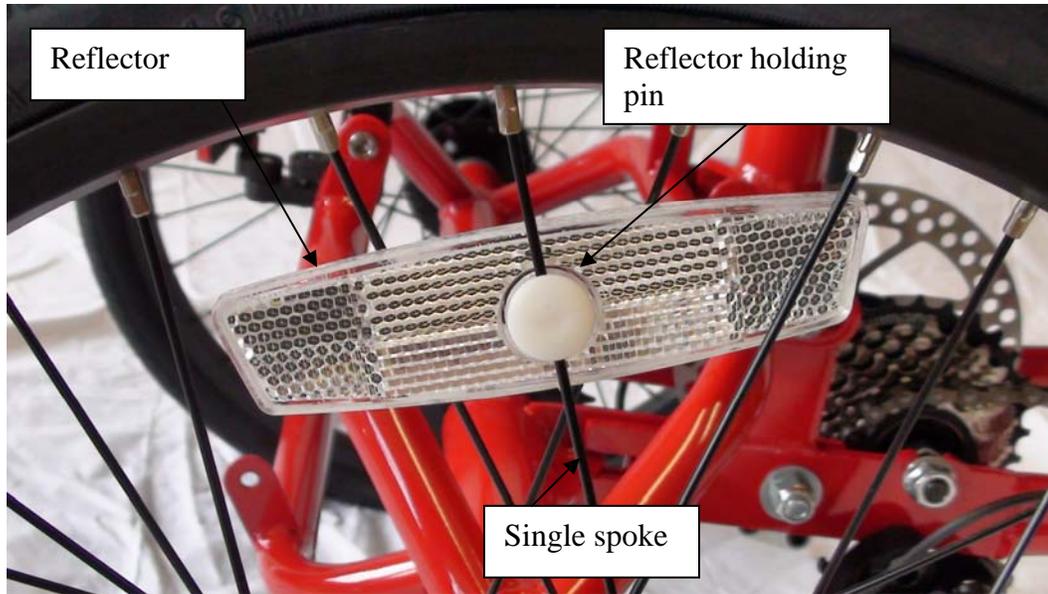


- 1) Use a zip tie to attach the three cables to the retainer; this will prevent the cable from wrapping around the hand grips during pedaling.
- 2) Use the remaining zip ties and secure the cable to the steering stem tube.



Wheel Reflectors

- 1) Place the reflector in an area on the rim behind a single spoke with two on the opposite side. Align the front spoke with the slot in the reflector.

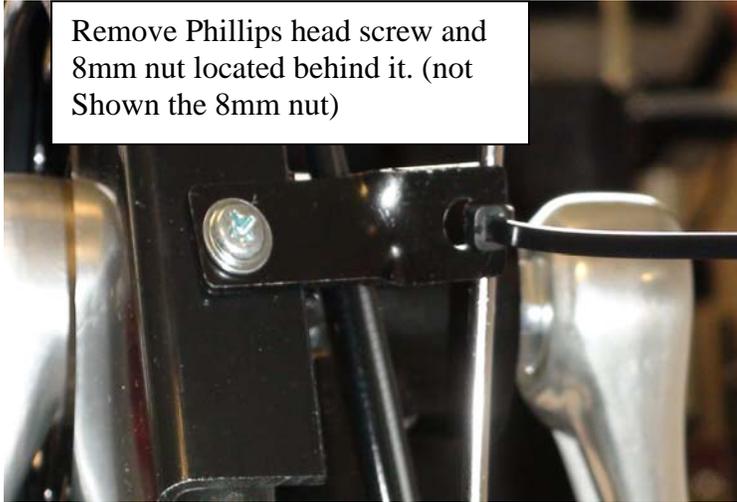


- 2) Insert the reflector holding pin with the slotted end going over the spoke into the hole in the reflector. Press firmly until you hear it click into place.

Maintenance

As is with all other bikes and vehicles that use a chain for the drive line, the chain will eventually come off the sprocket and need to be reinstalled. This next section will serve as a guide on how to reinstall the chain should it come off.

- 1) Remove the Phillips head screw on the front of the chain guard and the 8mm nut located behind it that secures the two halves of the chain guard together and holds the upper chain guard bracket in place.



- 2) The outer chain guard cover will easily remove by lifting up on it, let it wrest on the hand grip.



- 3) Remove the outer chain from the lower outer pulley slot located at the base of the steering stem tube.



- 4) Use a screwdriver to lift the chain up in the front and turn the hand crank counter clockwise while doing so until it grabs the chain and pulls it outwards.

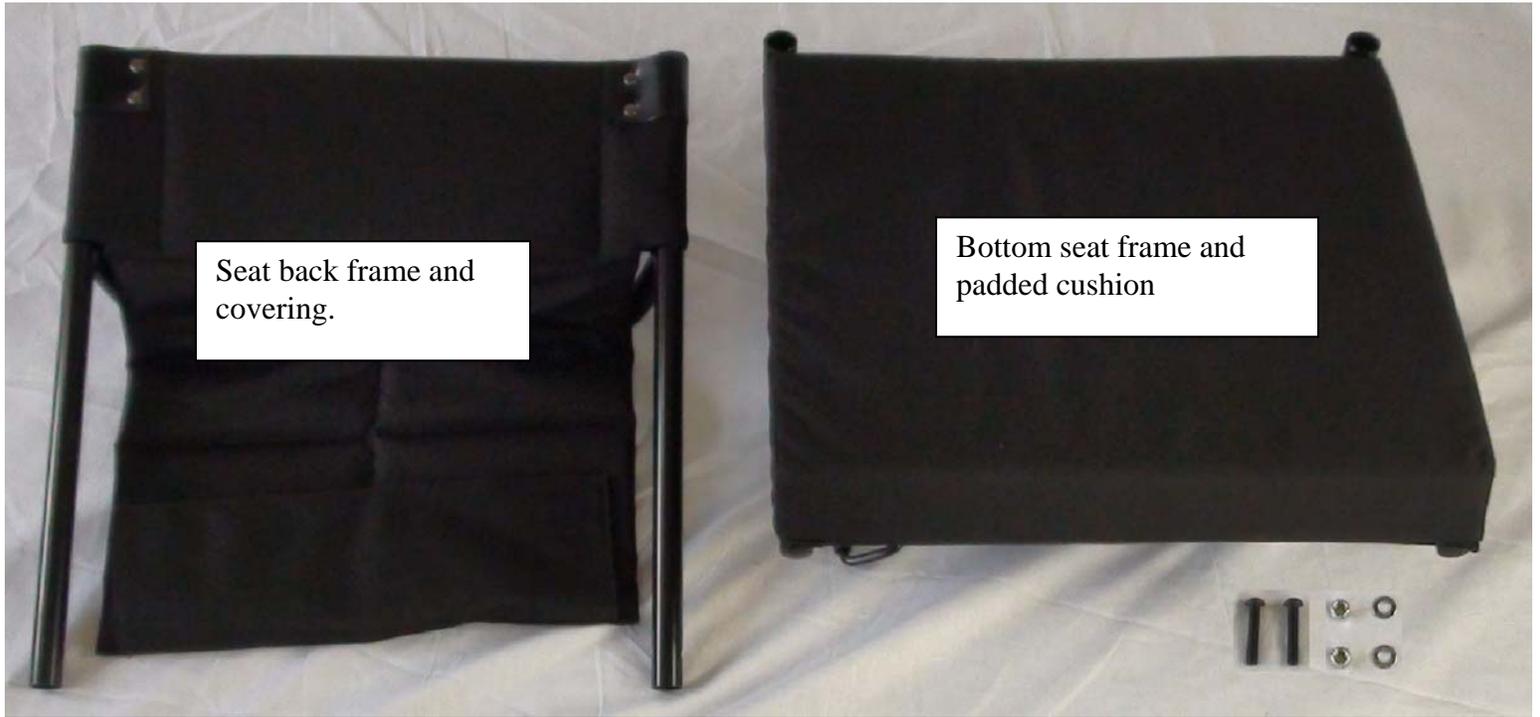


- 5) Place chain on front side of sprocket and rotate crank arm counter clockwise until chain is on sprocket completely.



- 6) Repeat steps 1, 2 & 3 in reverse to finish reinstalling the chain.

Seating Assembly

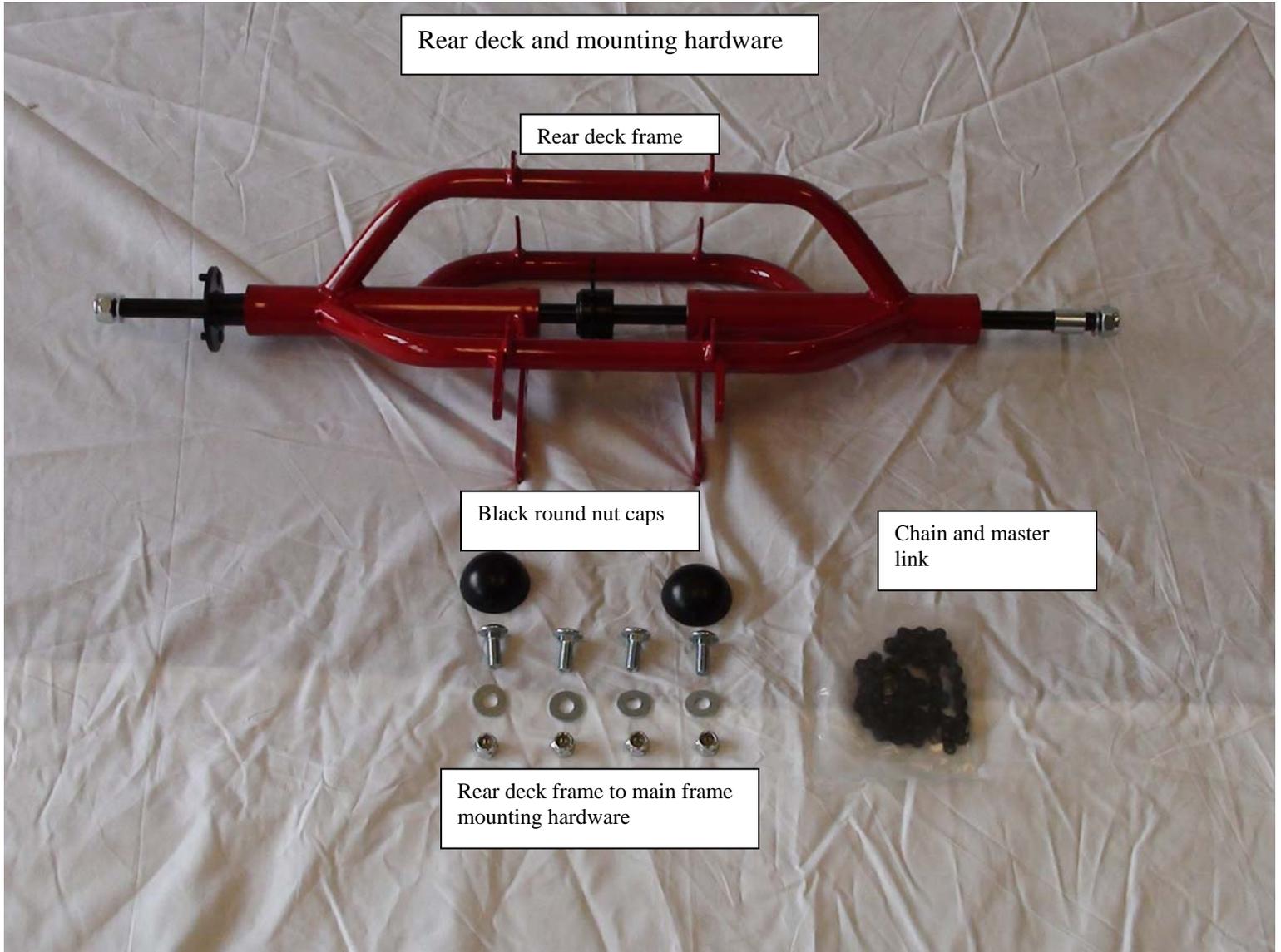


Front Tire

Front tire and quick release axle (Page 5)



Rear Deck Assembly



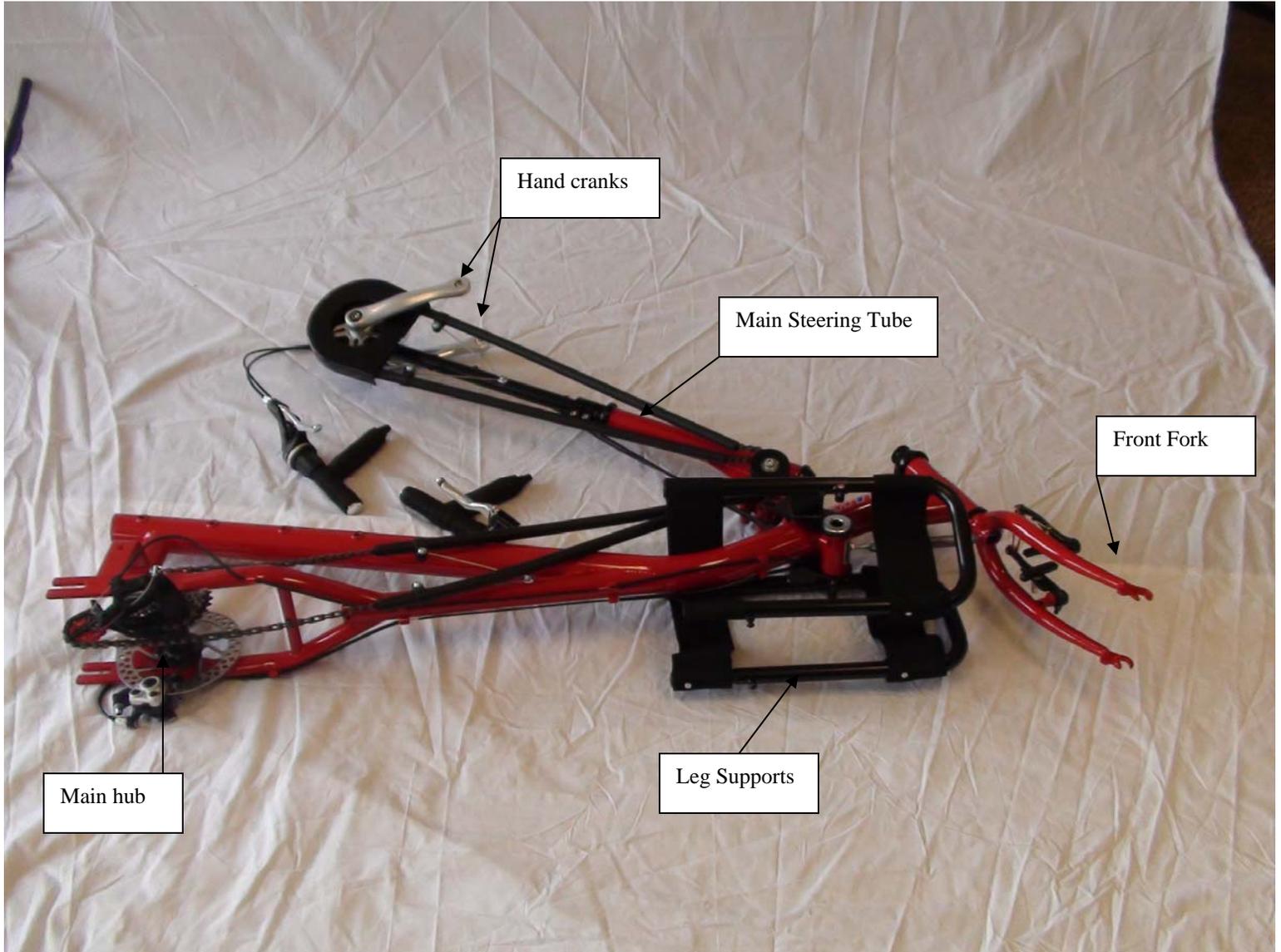
Rear Tires



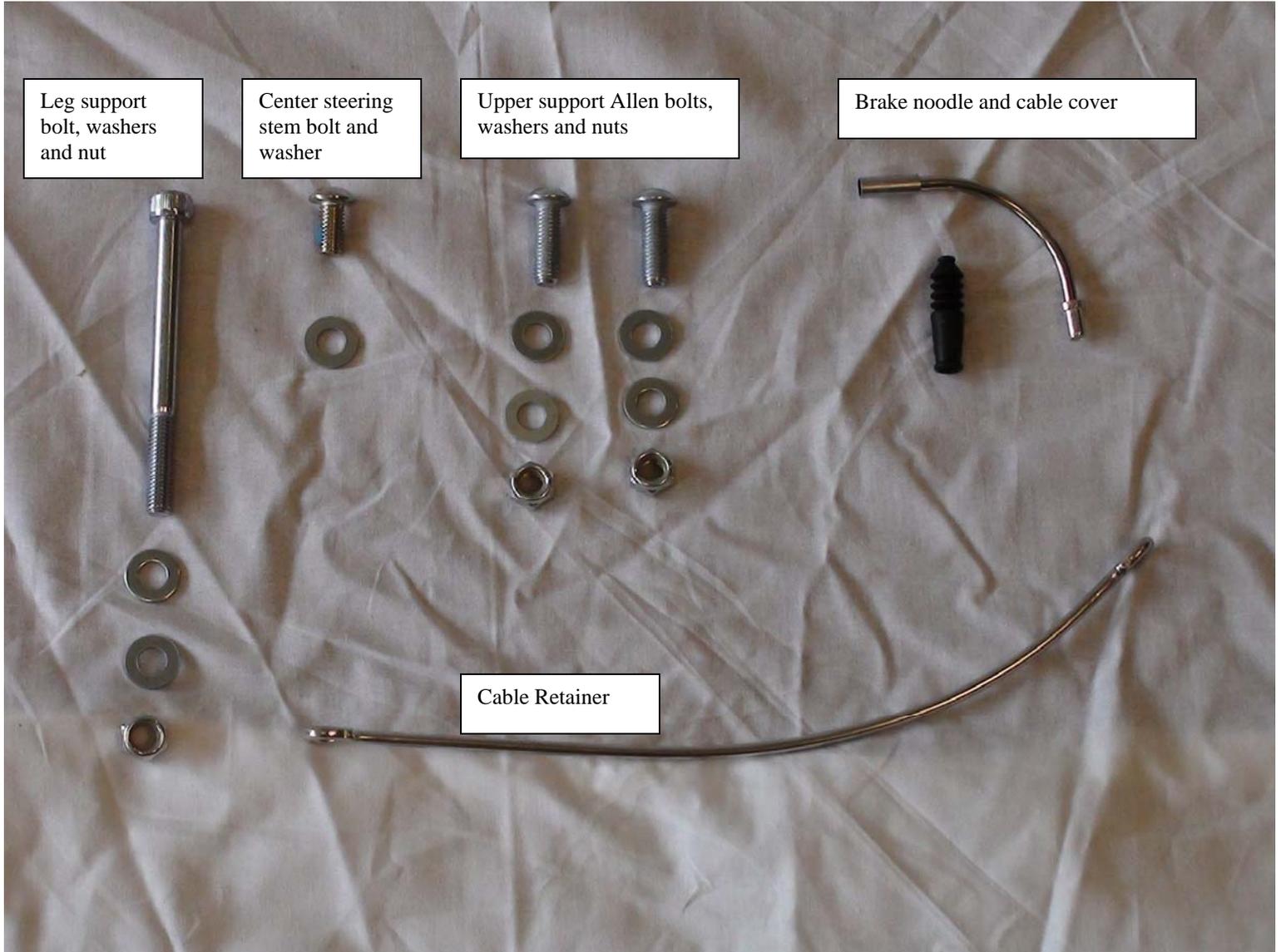
Tire direction must be followed



Main Frame



Hardware



Steering Linkage

Steering Linkage



Reflectors

Rear reflector and
bracket

Front reflector and
bracket

Wheel reflectors and spoke securing pins

