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1-800-278-9626

PO Box 369 Selah Washington 98942

Axiom Conversion Assembly Instructions

Open the shipping box and remove all contents. Watch closely for the bundle marked brakes and fasteners. Now remove all the packaging from the push chair and wheels. During this procedure DO NOT remove any colored plastic “zip” ties. These will help with the assembly process by indicating where components are bolted together or attached. Set all the components out for easy reach.

Included in box should be:



(1) Tow Bar



(1) Platform



(2) Side Assemblies



(2) Roll Bars



(2) 3” Knob Bolts



(4) 1.5” Knob Bolts



(10) Washers



(1) Seat Bottom



(1) Seat Back



(1) Debris Guard



(1) Seat Pad



(8) 1.5” Bolts



(2) 3” Bolts



(2) Axles



(1) Head Rest



(1) Front Wheel



(2) Rear Wheels



(2) rear brakes



(1) Safety Wrist strap





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Tools you will need:

- ← 1. 10 MILLIMETRE WRENCH
- ← 2. 7/16 WRENCH
- ← 3. 5/32 ALLEN WRENCH

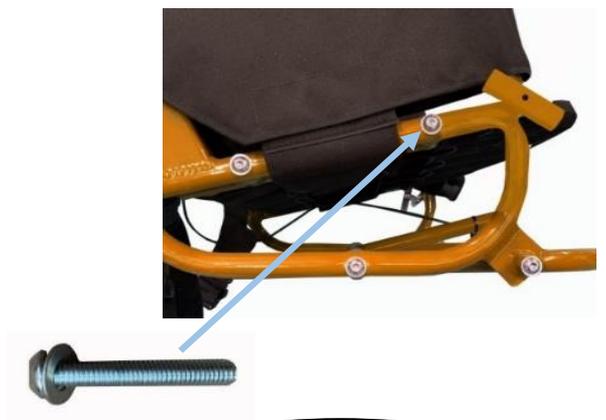


Start off by laying the lower platform on the ground. Grab the first side assembly, using a 1.5" bolt and washer, thread the bolt through the platform (see above diagram for right placement) tighten about halfway. Now install a matching bolt into the other side assembly of the platform and tighten it halfway also. Leave these bolts half tightened (we'll come back to them later)

Now, grab the seat bottom and position it between both side assemblies, lining up the holes on each side frame. (See about diagram for right placement) Install a 1.5" bolt with washer, into each hole rotating between each side and tighten halfway. (we'll come back to them later.)

Next, grab the seatback, laying it with the strap side down on the seat bottom, insert a 3" bolt and washer to the lower hole (furthest hole from handlebar see diagram above) Move to the other side and repeat step. Once both lower bolts are tightened halfway, rotate the top of seatback to the desired position (See diagram above) and tighten with a 1.5" knob bolt.

Finally, go back to every bolt you installed and tighten them securely.



Make sure ALL bolts are tightened and chair is secure before allowing any passengers to ride.



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Now is a good time to install the locking wheel brakes. Each brake has a colored tie attached that has a corresponding tie attached to the mount. Remove the screw from the mount, install the brake and re-attach the screw into the mount. Do not fully tighten the screw at this time, we'll come back to adjust it later. Repeat on the other side of the chair.



Rear Wheels

We'll install the wheels next. Insert axle into the recessed side of the wheel hub. Push the axle all the way through the hub.



While holding the axle button in, slide the axle into the chair frame all the way. Release the axle button. Give the wheel a small tug to make sure the wheel is properly attached.



Please Note: Assisted Athletes should **Always** be secured in the Harness System while in their Race Chair.



Front wheel

1) Remove the quick release skewer from the front wheel by cutting the zip tie holding it to the spokes.



2) Next, remove the thumb screw and 1 spring from the skewer. (Be careful to leave the spring on the lever side).



3) Now insert the skewer through the center of the wheel hub, pushing it all the way in.



4) Reinstall the cone spring, with the small end toward the hub, and thread on the thumb screw end.



5) Install the front wheel into the fork tips on the chair.



6) And push it all the way to the back of the fork tips



7) Position the quick release lever straight out from the fork tip ...



8) ...and while holding the lever in that position, tighten the thumb screw on the opposite side until it just seats against the fork tip.



9) Finally, cam the lever back, to close the quick release.



While camming the lever over it should be "snug" but not "gorilla" tight. Give the wheel a tug to make sure it is secure. If it moves, open the lever, tighten the thumb screw a 1/4 to a 1/2 turn and close the lever. Re-check the wheel to make sure it is secure.

Warning:

Make sure your wheels are in and locked before each use



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Now that all 3 of the wheels are installed, we'll need to go back to the locking wheel brakes and do the final adjustment. Start by placing the brake into the fully open position. (See photo above) next slide the brake mechanism on the frame mount until the locking bar is approximately 1/4" away from the tire when the brake is fully open. Tighten the mounting bolt securely. Repeat this same process on the other side of the chair. Move the lever on both brakes into the closed position (see photo below, right) and test that they hold the chair firmly in place. If either side allows excess movement, re-adjust to move the lock bar closer to the wheel.

The push bar on the chair adjusts up and down to accommodate different heights. Push and hold in the button on each of the polymer handles. While holding the buttons in, the push handle can be rotated up or down. Adjust to a comfortable height and release the buttons. The handle will lock into place at the closest detent position.



The chair is equipped with adjustable resting bars. They are shipped folded down and will need to be adjusted to your preferred position. Using a 6mm Allen wrench loosen the mounting bolts, rotate the resting bar into position and tighten the bolt. Repeat on the other side of the chair.

Your push chair is equipped with a 3-position seat back recline. By unscrewing the threaded knob bolts on each side of the chair, adjust the seat back recline to your preferred position. Reinstall and tighten the threaded knob bolts.



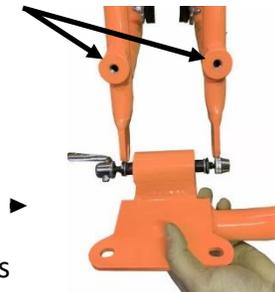


Installing the tow hitch for pulling with a bicycle



It takes a few simple steps to convert your push chair to a towable bicycle trailer. Start by removing the front wheel from the push chair. The instructions for how to do this are on a previous page.

To install the tow hitch, remove the 2 black thumb screws (see arrows, right) and set them aside. Now open the quick release lever (Like the one on the front wheel) and slip the tow hitch into the chair's fork tips DO NOT tighten the quick release lever.



Now rotate the tow hitch upward to align the holes in the hitch plate with the holes on the fork blades. Reinstall the black thumb screws and tighten them securely. Finally, close the quick release lever.



ALWAYS Check to make sure
Tow bar is secure each time
before passenger rides in it.

WARNING!

Please Note: Assisted Athletes should always be secured in the Harness System with a bicycle helmet anytime they are the Race Chair.



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Remove the bike mount located at the end of the tow hitch by removing the retaining pin.....



and install it onto the bicycle by opening the rear wheel quick release, removing the thumb nut, installing the bike mount onto the axle end and reinstalling the thumb nut. Now close the quick release again. The bicycle mount is designed to remain on the bicycle.



Align the female end of the tow hitch with the male end of the bike mount. Reinstall the retaining pin.



Finally, install the debris guard onto the front of the chair platform. This helps keep road debris picked up by the bicycle rear wheel from getting to the passenger.



PLEASE NOTE:

The debris guard is design toonly be used with the tow hitch and not with the frontwheel attached.

Safety Wrist Strap

Your AXIOM is equipped with a safety wrist strap which you should always use when there is a passenger loaded. The wrist strap is the link between you and the Racer as it keeps the Racer from rolling away from your control by accident.

The wrist strap is constructed with loops on each end, one large and one small. The wrist strap should be attached at the bottom rear platform of the chair. You start by looping it around and inserting the large loop through the small loop and pulling it tight. The large loop may now be wrapped around your wrist attaching you to the Race chair.



NEVER leave a passenger in the Racer/ conversion unattended.
ALWAYS use the wrist strap anytime a passenger is in the chair.





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The Axiom Racer Conversion is equipped with removable roll bars. Please **ALWAYS** have the roll bars installed when towing behind a bicycle.

If you would like to remove the roll bars while the Racer is being used as a push chair, simply remove the thumb knobs at the top and bottom of each roll bar. Remember to reinstall them before you tow the Racer behind a bicycle.



The Axiom Racer Conversion also comes with a removable head rest. This head rest is ideal when using as a pushchair. **It is recommended that the head rest be removed when the Racer is being towed by a bicycle, so the passenger can comfortably use their bicycle helmet.** A recessed helmet pocket is attached to the frame behind the head rest. To remove the headrest, simply detach the Velcro straps.



Helmet Pocket

The Racer Conversion features a 5-point harness system that will allow you to customize the fit for the passenger.

The top half is designed to Criss/Cross to hold both shoulders and chest. Each strap is adjustable for length on both ends via a side release buckle.

The lower half is a 3-point design with the lap belts individually adjustable via side release buckles and the pelvic yoke is adjustable fore and aft as well as for length.



The platform of the Axiom Racer Conversion includes repositionable foot retention straps that are shipped in the forward most position, in a cross pattern. These straps can be relocated to anywhere on the platform using a Phillips head screwdriver and a 1/4" wrench.



The push chair is equipped with wheelchair style parking brakes and a safety wrist strap. It is strongly recommended that you **ALWAYS** use the parking brakes when loading, unloading, and parking with a passenger in the chair.

When using the pushchair, it is strongly recommended that you **ALWAYS** use the safety wrist strap. These chairs roll exceptionally well and in the event of a roll away, the wrist strap keeps you attached.



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Maintenance

We recommend that you have an experienced bicycle shop perform these maintenance checks at least once each year. Lubrication of these following items is necessary:

- Pivot point and cable of hand brake
- Pivot point and cable of brake caliper
- Front wheel axle
- Front wheel quick release lever
- Insert in frame for rear wheels
- Wheels; hubs, axles, bearing, spokes, tires, and tubes
- Locking bars of folding mechanism
- All folding joints of Axiom Racer
- Wheel locks
- Trailer tow bar and hitch mount (If applicable)

Check to make sure all the bolts are tight and that springs are secure on the rear foot brake. Check fabric seams and straps for fraying and tearing.

Keep pushchair out of the sun and in a dry place when not in use, to prevent mold and mildew.

Check the frame for loose rivets, cracks, and wear.

Check to make sure all nuts and bolts are tight on the frame.

We highly RECOMMEND that you put a rust preventative type coating on your wheels, nuts, bolts, brake springs and brake caliper on your Axiom Racer. These parts can also be maintained by cleaning with a damp cloth and keeping these parts dry and free from debris.

The tires on your AXIOM Racer are a standard bicycle size and have an inner tube. If one of your tires will not hold air, the inner tube can be replaced and both tires and inner tubes can be found at professional bicycle stores and most major retailers.

The front brake uses a standard bicycle style caliper and brake pad. If replacement brake pads are needed, they can be found at professional bicycle stores and most major retailers.

If you have any questions regarding the assembly, features or operation of your Axiom Racer Conversion, please give us a call at 800-278-9626 or email customerservice@adaptivestar.com