FreeWheel™

Wheelchair Attachment

Set-Up Guide and Registration

INDEX

Note: Tools you may need: 3/16” and 5/32” allen wrenches, small phillips-head screwdriver, hack saw, dremel or metal file.

How To Set-Up Your FreeWheel

There are 4 easy steps to setting up your FreeWheel to fit your wheelchair:

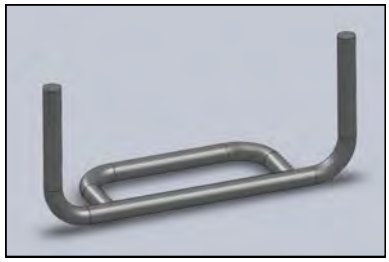
1. Determine whether you need a cup shim? (page 1)
2. Does it need a straight shim and if yes, what thickness? (page 2)
3. Should you use a short or long rear end? (page 3)
4. Adjusting the angle based on how high your footrest is from the floor and whether it is angled. (page 4)

STEP 1: Cup Shim

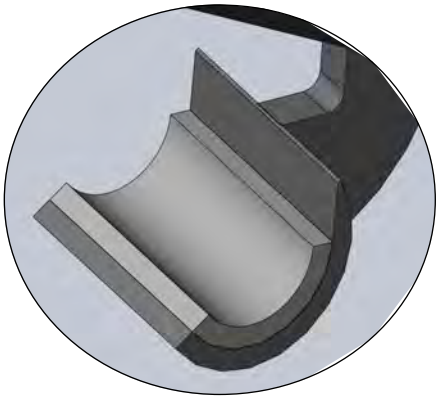
(FreeWheel comes with cup shim installed.)

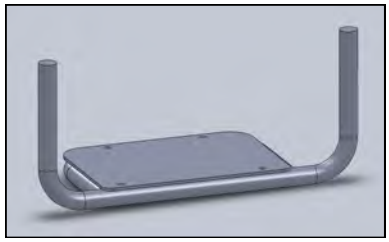
Check which footrest type you have and decide whether or not it needs a cup shim.

Footrest Types

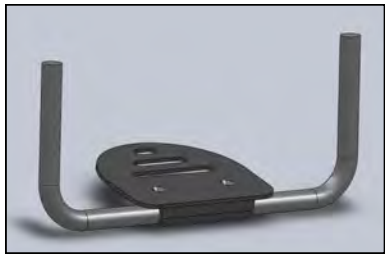


2 Tube: **YES**, you need a cup shim. Make no change and go to STEP 2.





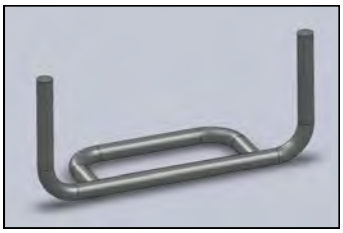
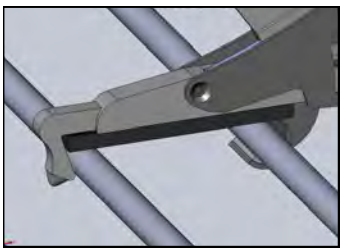
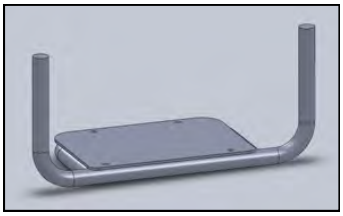
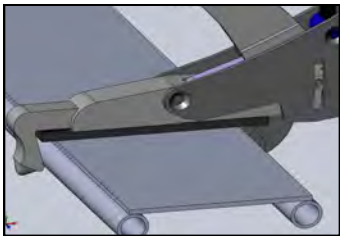
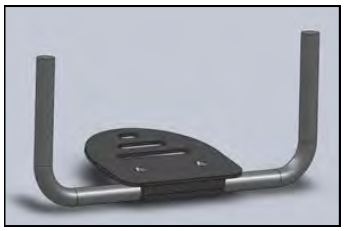
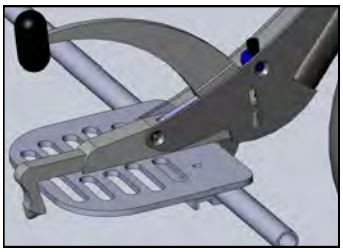
2 Tube with Plate: **YES**, you need a cup shim. Make no changes and go to STEP 2.



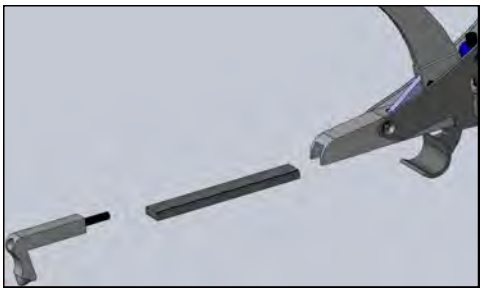
Clamp Plate: **NO**, you do not need a cup shim. REMOVE CUP SHIM using small phillips – head screw driver to remove screws and GENTLY pry plastic cup shim out. Go to STEP 2.

STEP 2: Which Straight Shim?

There are 3 separate straight shims with your FreeWheel package. Your foot rest type determines which shim to use, or whether you do NOT need a shim.

Footrest Types		Shim Types
	2 Tube: **Thick** Straight Shim	
	2 Tube with Plate: **Thinnest** Straight Shim	
	Clamp Plate: **NO** Straight Shim	

1. Insert straight shim into dove-tail feature found in clamp base.
2. Rear end should be removed.



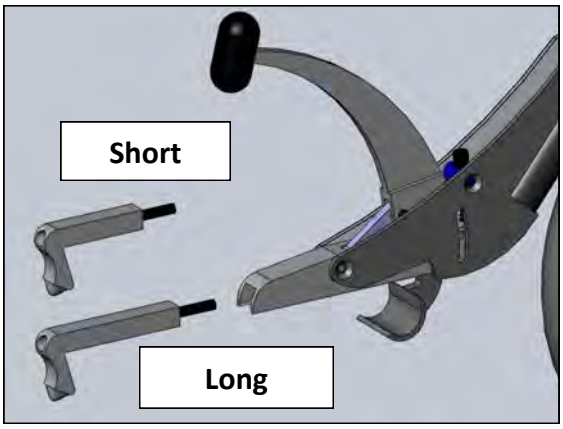
STEP 3: Which Rear End?

(ALL footrest types need a rear end.)

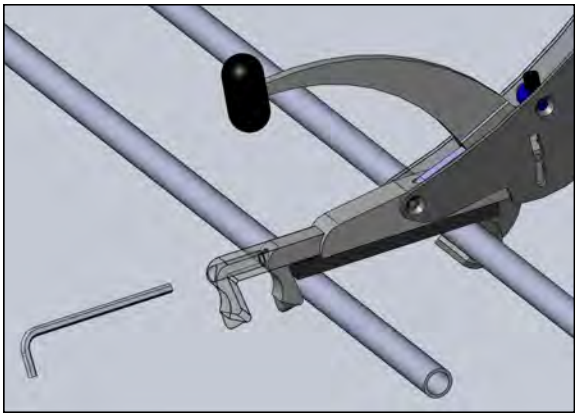
1. Measure from the front tube/plate to the back of the footrest to determine depth.

Footrest Depths up to 5" :
Use SHORT Rear End

Footrest Depths from 5" to 6-7/8":
Use a LONG Rear End



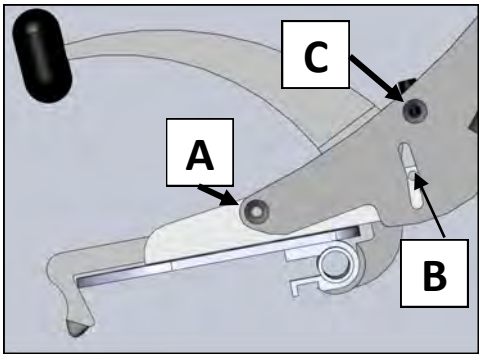
2. Using a hack saw cut your straight shim the same length as the footrest depth.
3. Clamp FreeWheel on to footrest.
4. Using a 3/16" allen wrench (not included) adjust the rear end by tightening bolt so the rear end just touches the footrest tube/plate.



STEP 4: Angle Adjustment

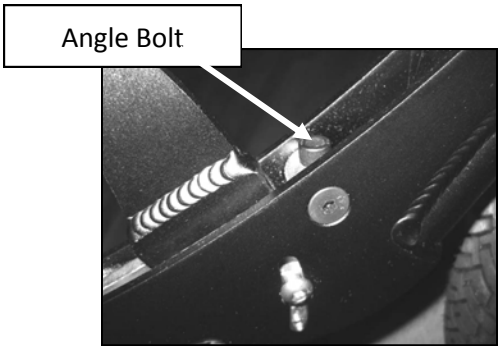
This adjustment is to make sure the FreeWheel properly lifts the front casters off the ground. The adjustment is based on the height of your wheelchair's footrest from the ground. Make sure you have completed the Set-up Guide STEPS 1 through 3, BEFORE you complete this step.

1. Find a flat/level floor. While holding the handle, arrange the FreeWheel in the "tail dragger" position (shown above).
2. Move your feet apart. The clamp requires 3/4" of space between your feet.
2. Lower the clamp over your footrest, hooking the rear end first, then setting it down with clamp cup just in front of the footrest tube.
3. Lock down by putting pressure on the handle. The locking action should feel very solid and secure.



The FreeWheel tire should be touching the ground. If it is NOT touching the ground, you will need to adjust the Angle Bolt.

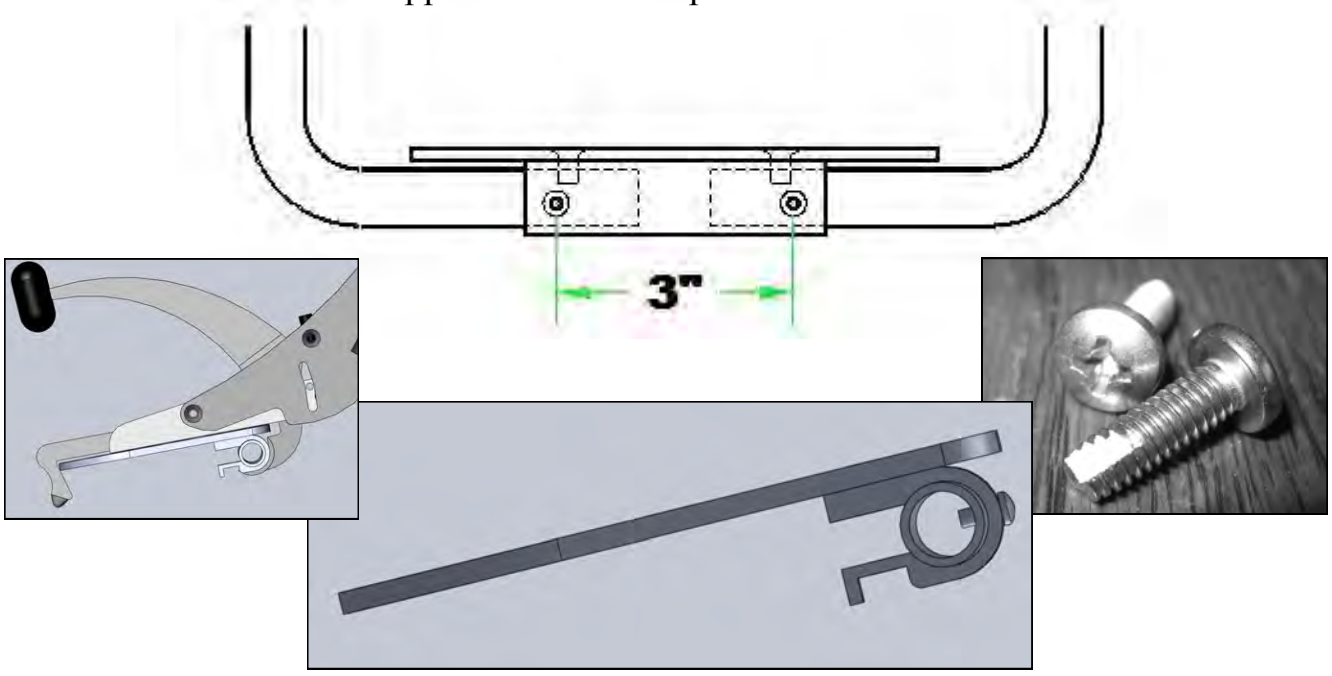
1. Loosen bolts A, B and C, both sides.
   Do NOT REMOVE, just loosen.
2. Tighten Angle Bolt if wheel is off the ground.
   Loosen the Angle Bolt if the tire is too low..
3. Re-tighten BOTH SIDES of bolts A, B and C.



CLAMP PLATE Footrests: Special Instructions

To insure that your footrest does not rotate you will need to add 2 screws to lock the footrest plate to your tube.

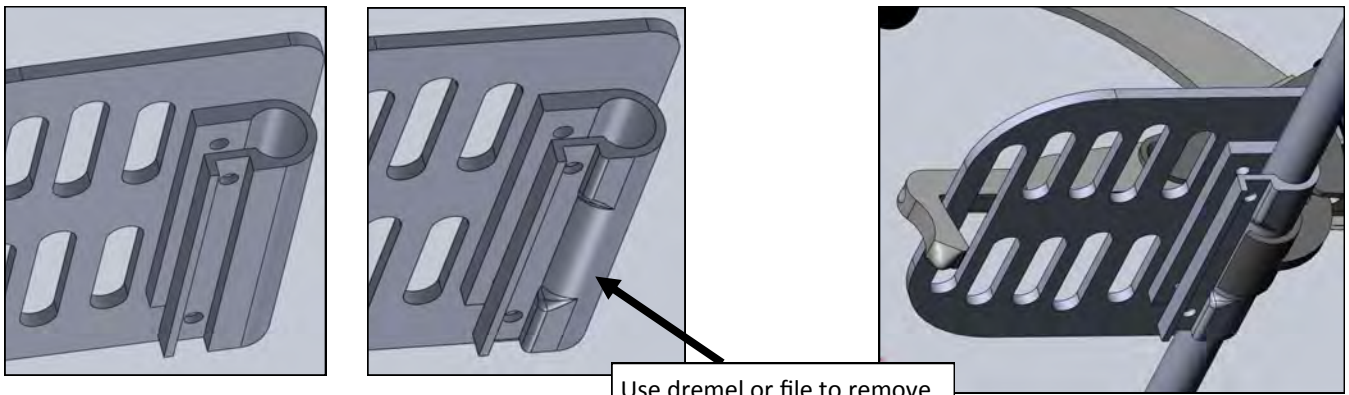
Use TWO #8 3/8” Self Tappers with a 9/64” pilot hole.



TiLite ANGLE-ADJUSTABLE FOOTREST ONLY: Special Instructions

Use a dremel or file to modify your clamp so your FreeWheel clamps on securely.

Please contact us at info@gofreewheel.com if you have any questions or difficulty with this step.



Before **After**

Perch Set-up Guide

Now that you have your FreeWheel adjusted for your specific footrest type and chair, you'll want to install the Storage Perch on the crossbar on the back of your chair.

Chose the perch post that matches your footrest set-up to make sure you pick the right combination so your FreeWheel securely clamps to your storage Perch.

ROUND Perch Post— Tube only footrest, with THICKEST straight shim and the cup shim has NOT been removed.

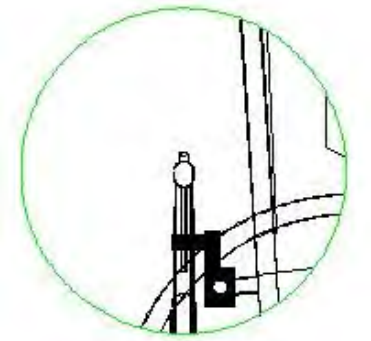
SMALL D Perch Post—Middle thickness straight shim and the cup shim has NOT been removed.

MIDDLE D-Perch Post—Thinnest straight shim and the cup shim has NOT been removed.

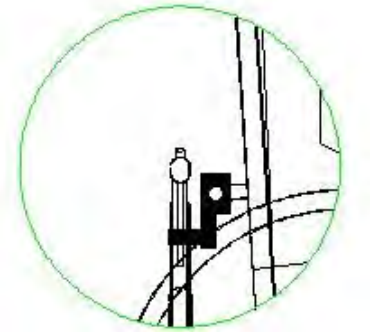
BIG D-Perch Post—NO straight shim and the cup shim has been REMOVED.

Lacey Heward—2x Paralympic Athlete

Perch



Low Cross Bar



High Cross Bar

With one hand cupping the clamp of the FreeWheel, hold the clamp to the perch while the other hand grips the handle and firmly close the clamp onto the perch.

How to Adjust for Steering

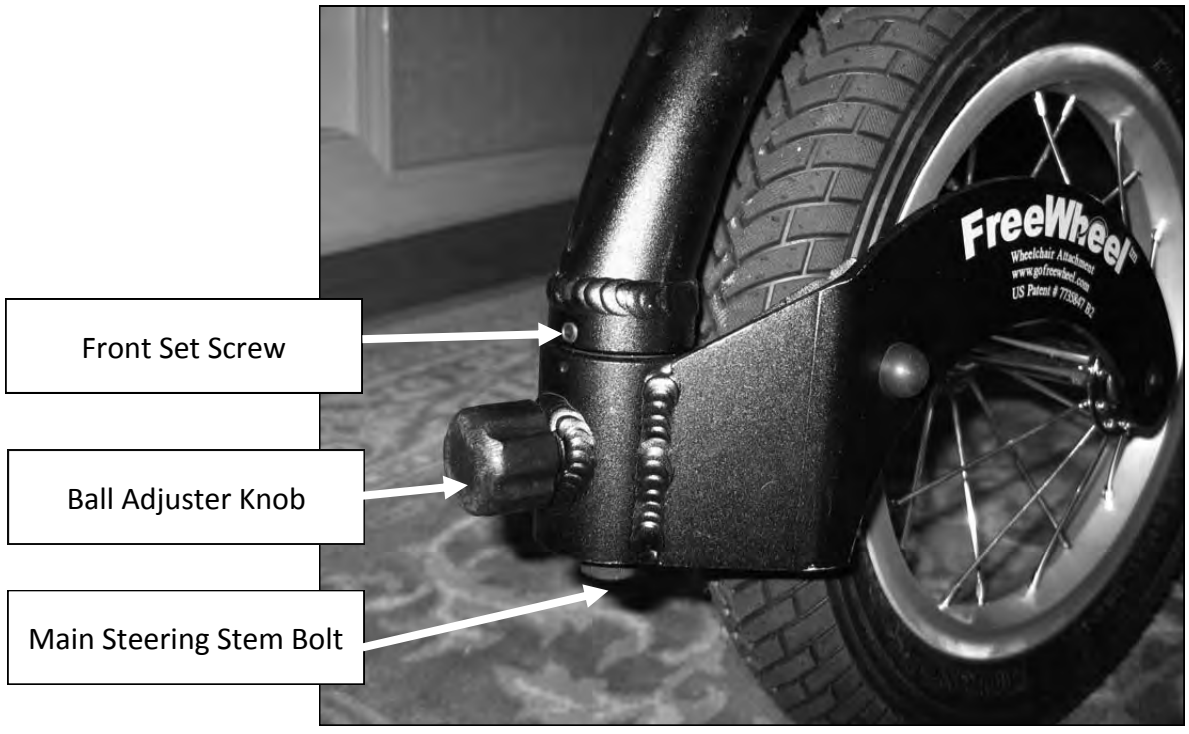
If your Freewheel is not tracking straight when coasting forward on level ground, the steering should be adjusted. To do this you need to adjust two separate fasteners:

Front Set Screw, and;

Main Steering Stem Bolt

1. The Front Set Screw holds the steering adjustment.
2. After loosening the Front Set Screw (3/32" allen or 2.5mm allen wrench) and Main Steering Stem Bolt, rotate the fork to adjust the steering straight..
3. If the internal bushing is not rotating relative to the frame, then tighten the ball adjuster knob to lock the fork to the internal bushing. Work the bushing loose from the frame. I like to re-grease this joint to keep it from binding.
4. Set the steering and then tighten the Front Set Screw.
5. Finish by tightening the Main Steering Stem Bolt.
6. Test for straightness by coasting on a flat surface.

Note: The front ball adjuster knob can be backed off for light steering action or screwed in for heavier steering action.



FreeWheel™

Wheelchair Attachment

Thank you for choosing the FreeWheel Wheelchair Attachment. I am confident you will find it to be the one piece of adaptive equipment that you take everywhere you go.

When I was first injured in a motocross accident (resulted in a C6/7 spinal cord injury) I lay in the hospital wondering how I could be a Dad that actively participated in the lives of my young children.

After leaving the hospital I found my wheelchair more limiting than was acceptable. My front casters would catch on everything and either toss me out of my chair or force me to sit on the sidelines. As an engineer I knew their had to be an answer.

As I started developing the FreeWheel I worked on how to get the smaller front casters off the ground and put a large wheel out front. At the same time I wanted my design to be lightweight and easy to use.

After years of testing and input from other wheelchair users, I am happy to now be able to provide the FreeWheel to you.

Whether you live in a rural or urban setting, or somewhere in between, the FreeWheel will allow you to live a more independent active live.

I am now able to easily roll over curbs, down grassy or dirt slopes, and power through snowy parking lots. Today I go camping with my children and am out on the grass cheering them on during soccer games.
My FreeWheel goes every where I go and my dream of actively participating in the lives of my children is a reality.

Please feel free to send us your videos and pictures and let us know how the FreeWheel is working for you.

Sincerely,

Pat Dougherty






FreeWheel™

Wheelchair Attachment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USA

CE




The FreeWheel Crew