

FreeWheeltm

Wheelchair Attachment

Owners Manual

3/2010

Congratulations! My hope is that you will use this FreeWheel Wheelchair Attachment to expand your life in a positive way! The FreeWheel Wheelchair Attachment is designed to be used with rigid-framed manual wheelchairs with rigid footrests.

- **How to install**
- **How to adjust for fit**
- **Adjust steering**
- **How to un-install**

FreeWheel™

Wheelchair Attachment

How to install your FreeWheel™ Wheelchair Attachment:

First find a flat floor. Then while holding the handle, arrange the FreeWheel™ Wheelchair Attachment in what I call, “The Tail Dragger Position”. See Figure 1.

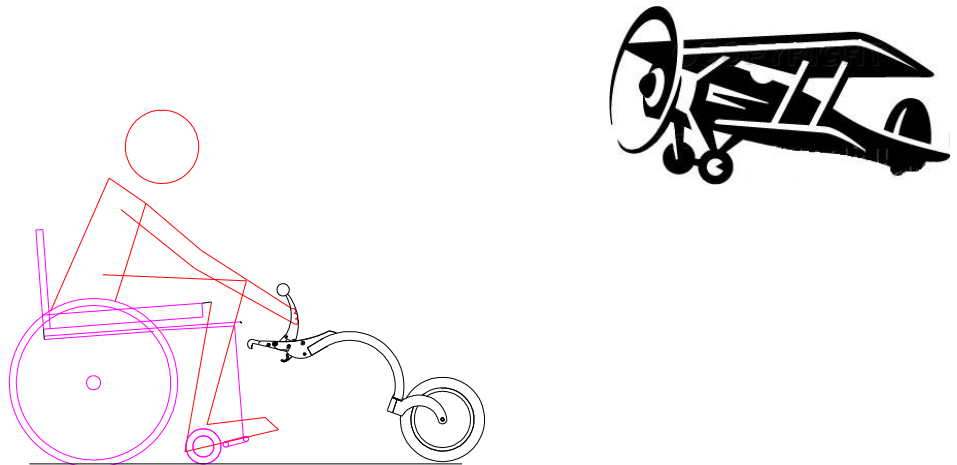


Fig. 1 Tail Dragging Position

Lower the clamp over your foot rest. Sometimes your feet get in the way! Spread your feet apart. The clamp requires $\frac{3}{4}$ " of space between the feet. Position the clamp and lock down by putting pressure on the handle. A solid locking feeling should be enjoyed!

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How to adjust for fit A good fit includes a sturdy clamp on to the foot rest and the proper position relative to the floor.

- Footrest depth adjustment.

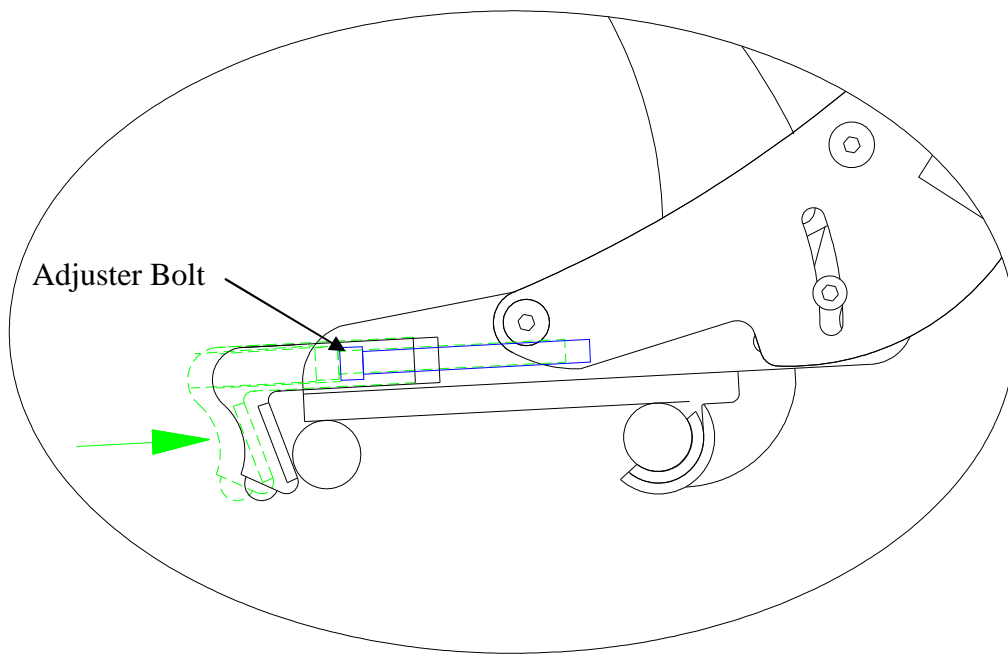


Fig. 2 Footrest depth adjustment

Proper foot rest adjustment is done with the adjuster bolt. Fig. 2 Clamp the front of the foot rest. Notice if the rear fitting is positioned so that the rear of the foot rest is captured. If there is any room in between the two, adjust accordingly. (3/16" Allen wrench)

- Proper position relative to the floor. The FreeWheel™ Wheelchair Attachment is designed to be adjusted so that in the clamped-on tail dragger position the wheel of the FreeWheel is resting on the floor. When you push forward the caster angle built into the system provides the leverage to lift as the wheel rotates from front to back. So, when pushing forward as can be seen in Figure 3, the wheelchair castors are off the floor.

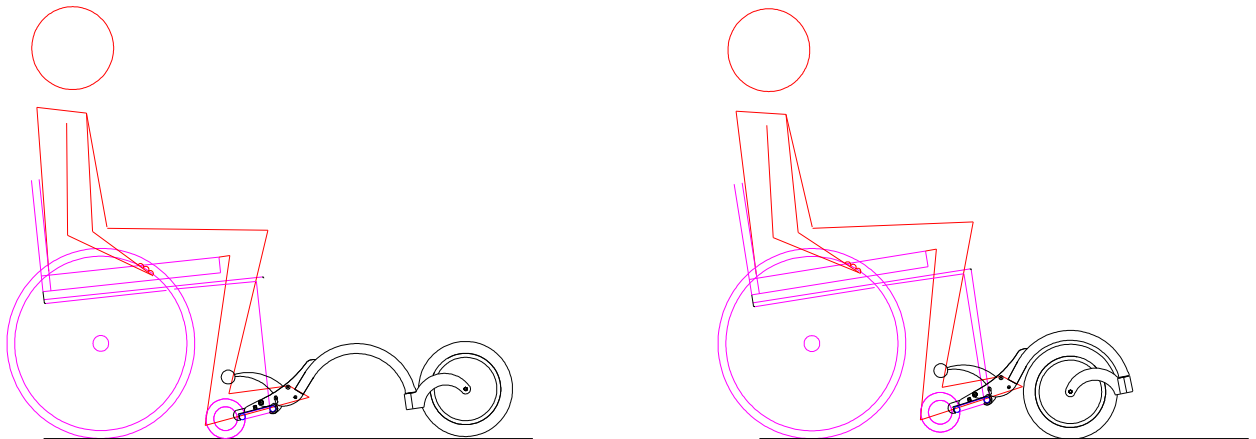


Fig. 3

If when the FreeWheel™ Wheelchair Attachment is clamped onto the foot rest and the FreeWheel wheel is lifted off the floor in the tail dragger position, than adjustment is necessary to lower the FreeWheel wheel. This can be done by loosening the screws A, B & C shown in Figure 4.

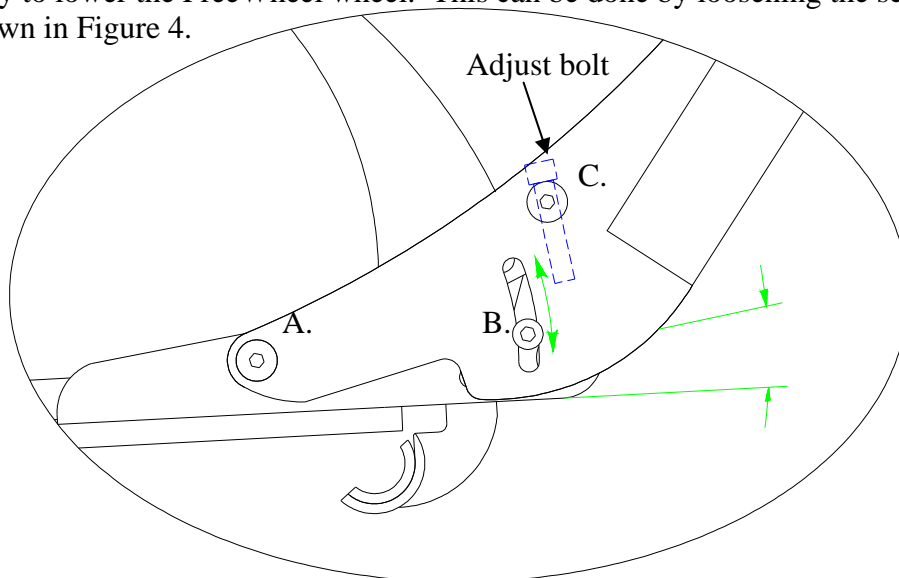


Fig. 4

Just back them out a half a turn using the proper sized Allen wrenches. *You don't have to take them all the way out.* Adjust the wheel so that it just touches the floor in the tail dragger position. After that is done tighten the three screws tight on both sides.

Adjust Steering If you are not tracking straight when coasting forward on level ground the steering of the detent feature should be adjusted. There are two fasteners to deal with to do this. The main steering stem bolt and the set screw. The set screw in the front holds the steering adjustment.



Front Set Screw

Ball Adjuster Knob

After loosening set screw and main steering stem bolt, rotate the fork to adjust the steering. If the bushing is not rotating relative to the frame, then tighten the ball adjuster knob to lock the fork to the bushing. Work the bushing loose from the frame. I like to re-grease this joint to keep it from galling. Set the steering and then tighten the front set screw.

Next, tighten the main steering stem bolt.

Test for straight 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.

How to Un-install To take off the FreeWheel™ Wheelchair Attachment it's best to carefully roll backwards to get the wheel in the tail dragger position. Put your brakes on. Reach down and lift the handle and continue lifting the unit up. You can try to lift up the handle when the wheel is not in the tail dragger position, but it may be difficult to remove. It will drop you and your wheelchair casters down to the floor!

For more information you can visit our website at

<http://www.gofreewheel.com>

Or you can email me, Pat Dougherty at pat@gofreewheel.com