

Anti-Tip Bars Installation Guide

Tools Required:

Large Phillips (cross-head) screwdriver, 13mm (or adjustable) wrench, 5mm hex key (came with your Freedom Chair)

These Anti-Tip Bars help you ride securely by making it harder to tip the Freedom Chair backward. They come pre-set in a safe riding position. You may adjust them to be more conservative or more permissive.

The anti-tip bars cannot prevent every possible accident:

- **You are responsible for your safety. Ride within your limits. If you feel unsafe: stop.**
- **Ride with a spotter behind your chair while getting used to the Freedom Chair and Anti-Tip Bars, especially on ramps and uneven terrain.**
- **Do not build up backward momentum. Rolling backward on a ramp, even with Anti-Tip Bars installed, is dangerous and could cause a fall.**

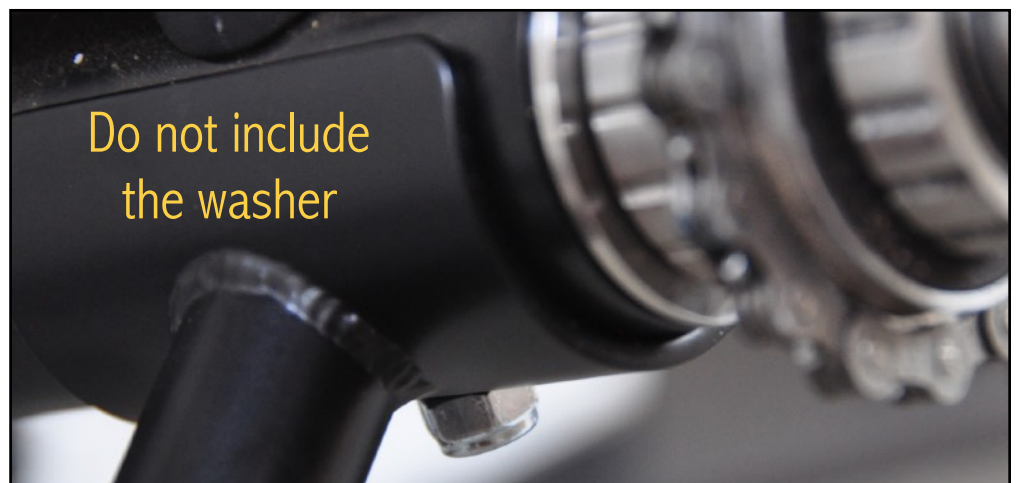
1

Remove the nut and washer from the rear seat bolt. Keep the bolt in! Just take the nut and washer off.



2

Slide the bolt through the hole in the anti tip bar. Tighten the nut back onto the bolt. Do not use the washer, the bolt is not long enough for it.



3

Tighten the nut.
Repeat on the other
side of the chair.

4

Ride at the default
length first, and adjust
as necessary.



The Anti-Tip Bars are shipped at GRIT's recommended length. The length can be adjusted to make the bars more secure or more permissive. **To adjust the bar length:**

- Use the 5mm hex key to loosen the clamps.
- If shortening the Anti-Tip Bars, slide the silver bars off, and remove the spacer. Note that a second spacer is included inside and is glued in. Do not remove this second spacer, as over-shortening the bars will render them ineffective. With the second spacer inserted, the bars are safe to use in most riding conditions.
- If lengthening the Anti-Tip Bars, slide the silver bars to the desired length and tighten. Additional spacers have been provided for your convenience, but are not required.
- Use the 5mm hex key to tighten the clamps. Make sure the bars are at the same length.



Spacers	Riding position	Ideal for	Tradeoffs	Description
Add one spacer	Safest	Riders who want the safest possible performance.	Bars may contact the ground on uneven terrain and steep inclines.	Lengthen the anti-tip bars. Secures the rider at a safer tip angle, but limits maneuverability.
Default position	Default	Most riders	Minimal tradeoffs.	Recommended compromise between safety and maneuverability.
Remove one spacer	Most permissive	Riders who are confident in their balance and want anti-tips for piece of mind on regular terrain.	Rider can tip over backward on very steep slopes and when they build up backward momentum (rolling backward).	Shorten the anti-tip bars. This enables more maneuverability on rough terrain, but very steep inclines or backward rolling could cause the rider to tip over backward.