

Crawler Tracks (Bonus) — Important Note

I made this add-on for fun as a free bonus, and I hope you enjoy it.

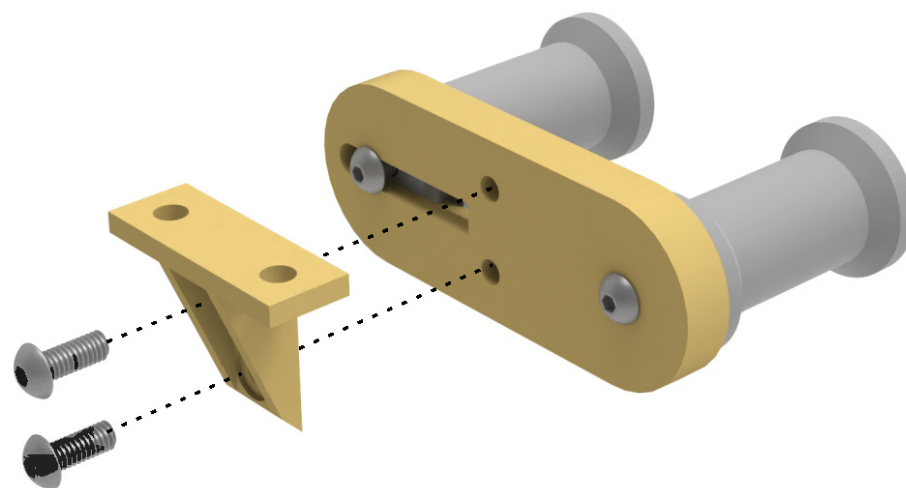
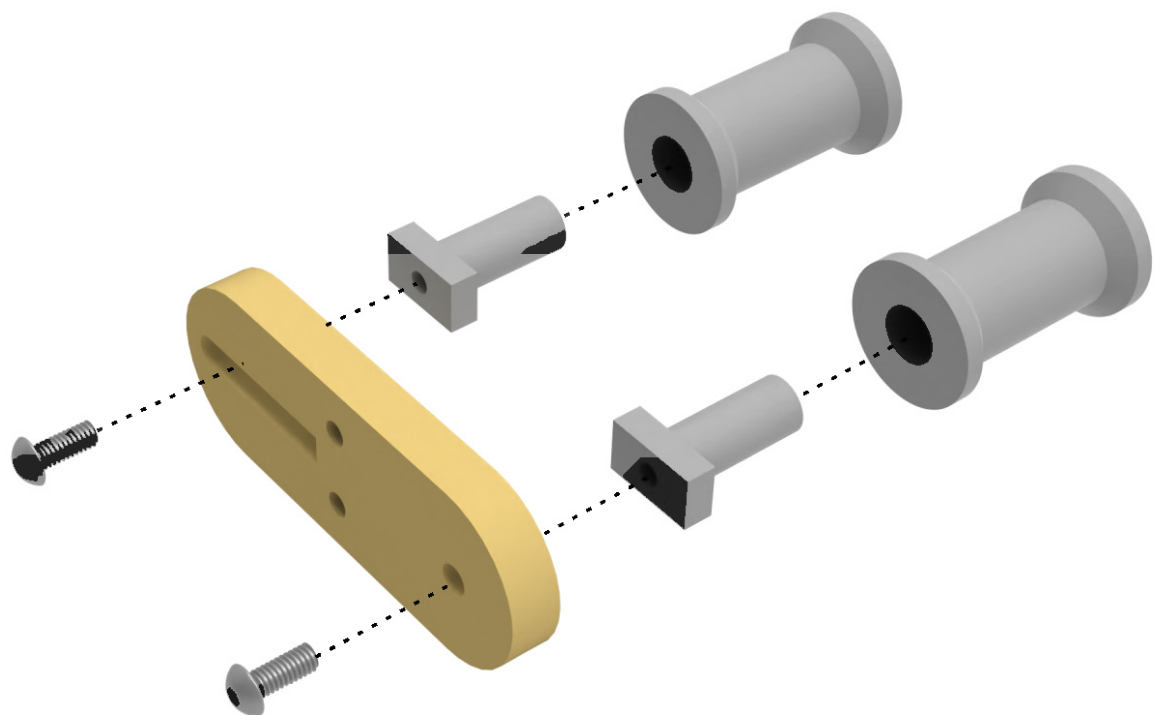
However, there's one big caveat: the standard CyberBrick motor setup isn't powerful enough to drive a pair of tracks with satisfying performance.

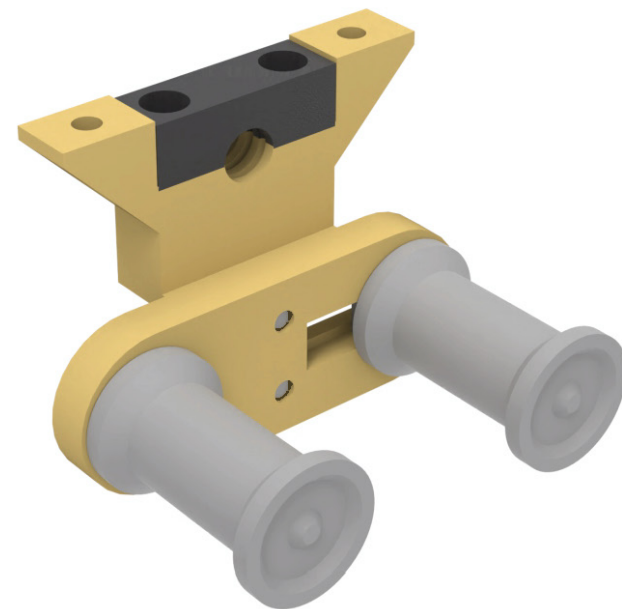
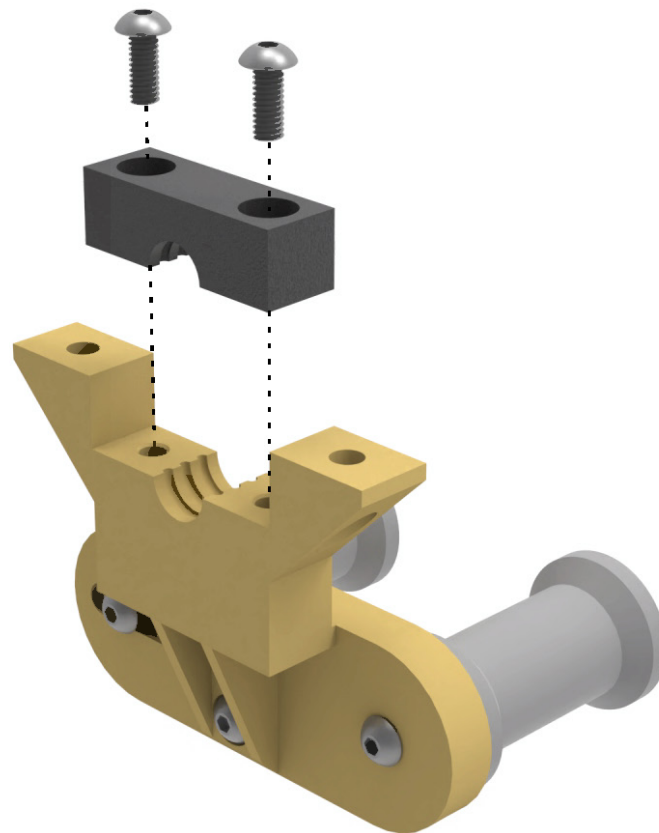
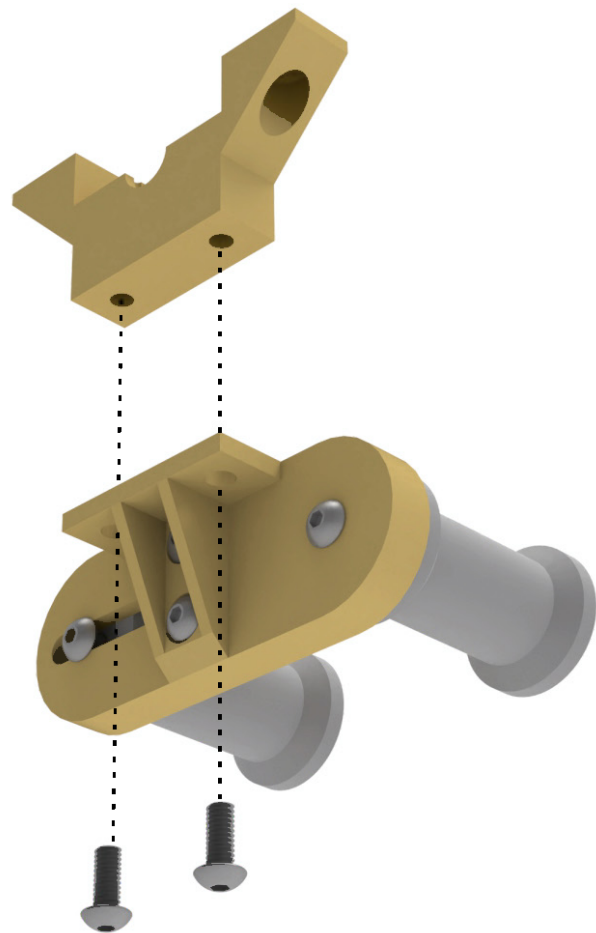
I tested multiple options: switched from the stock 1:48 gearbox to 1:105, and even changed the axle/pinion gearing to increase reduction. It helped only a little. As you'll see in the demo video, the truck does move, but very slowly and will stall on most obstacles. It's not comparable to the standard wheel setup, which runs great.

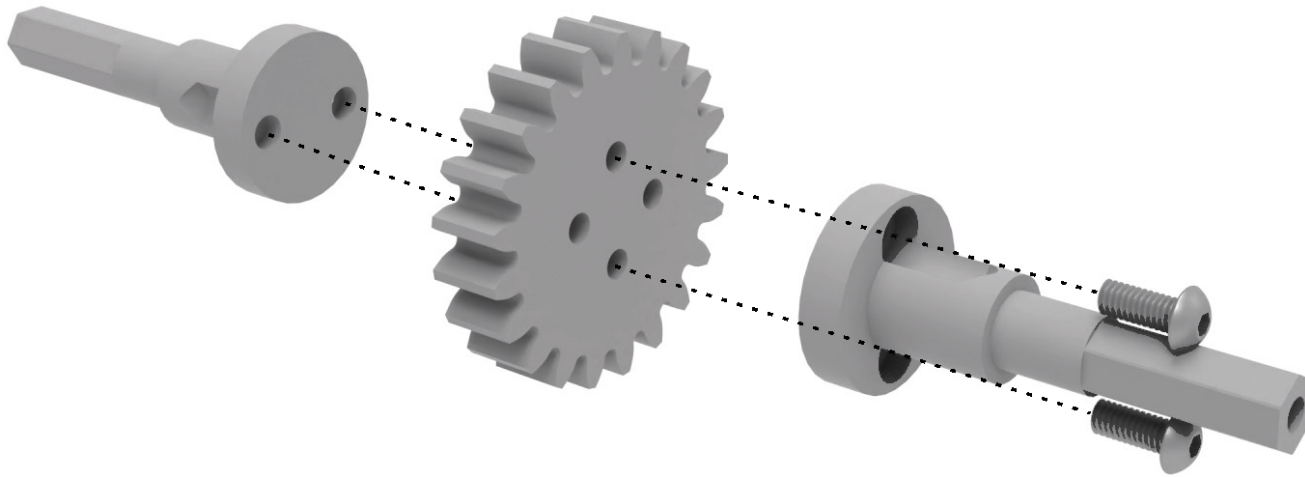


I'm genuinely sorry about this limitation. I plan to test a more powerful aftermarket 030 motor, but I can't recommend it yet—it may stress or damage the CyberBrick board. I'll share results once I finish testing.

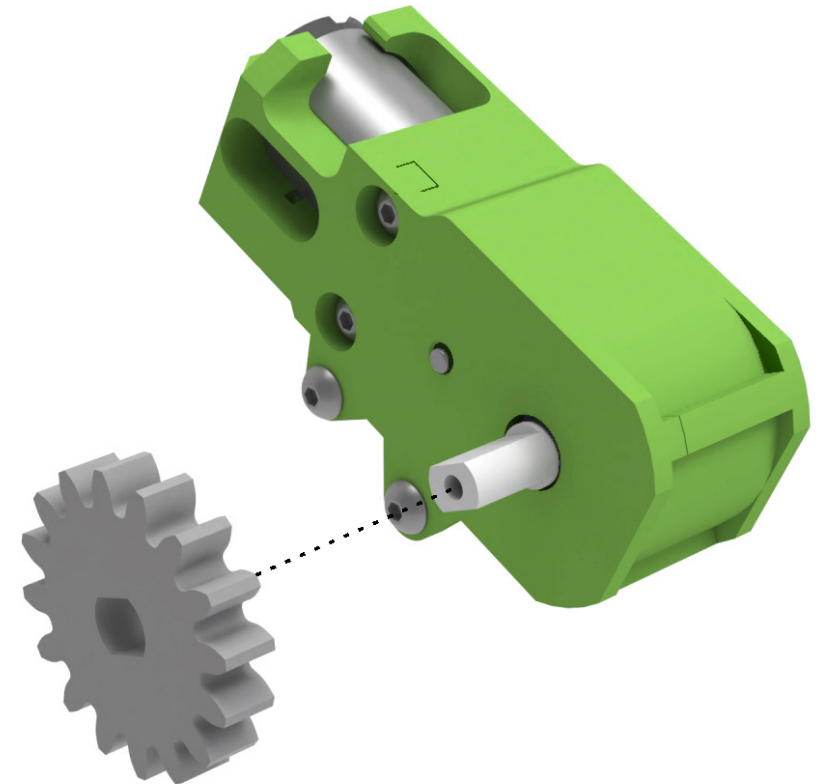
For now: consider the tracks experimental—fine for display or slow indoor demos. For real racing and obstacles, please use wheels.

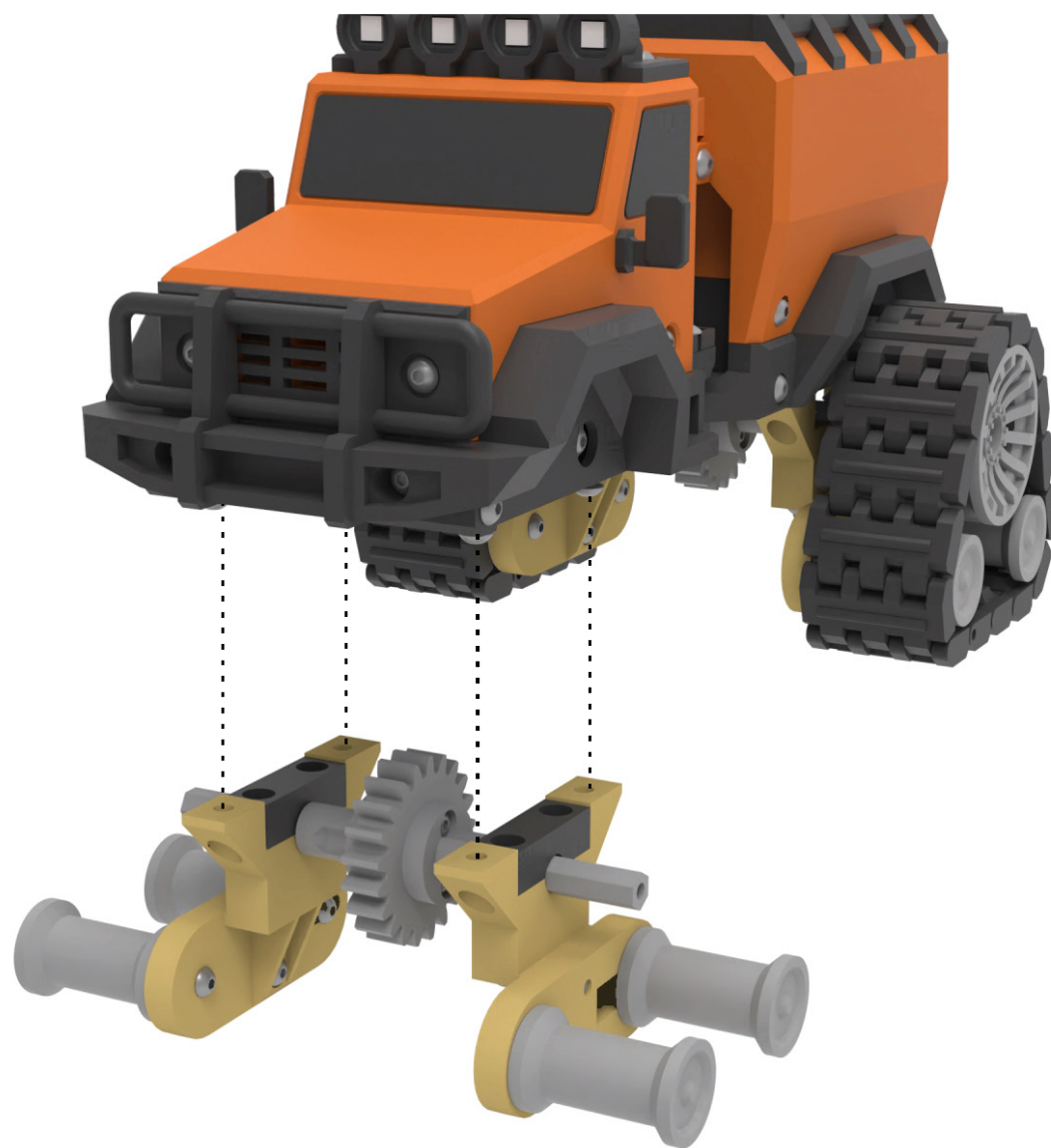


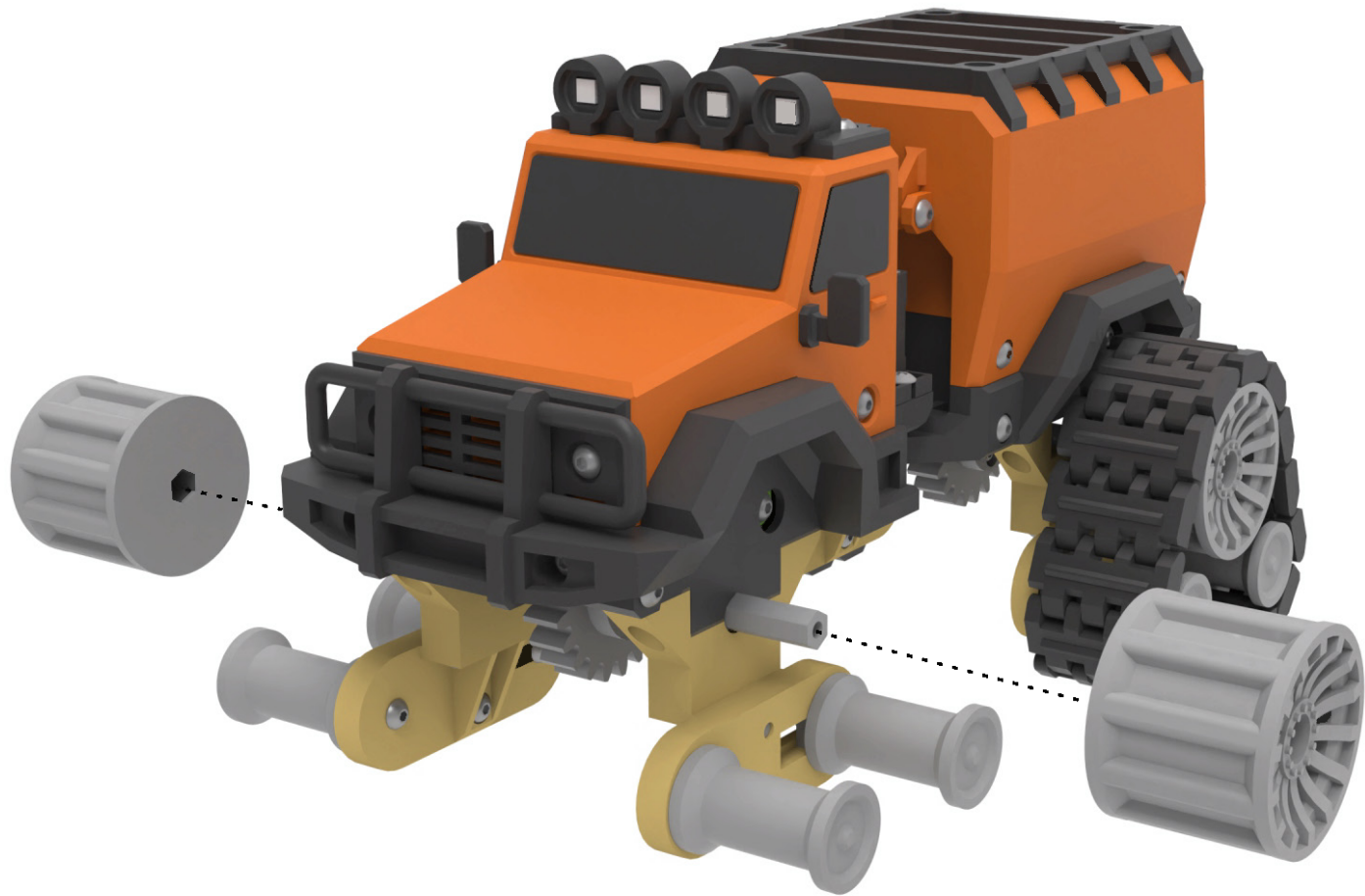




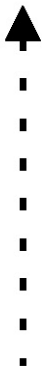
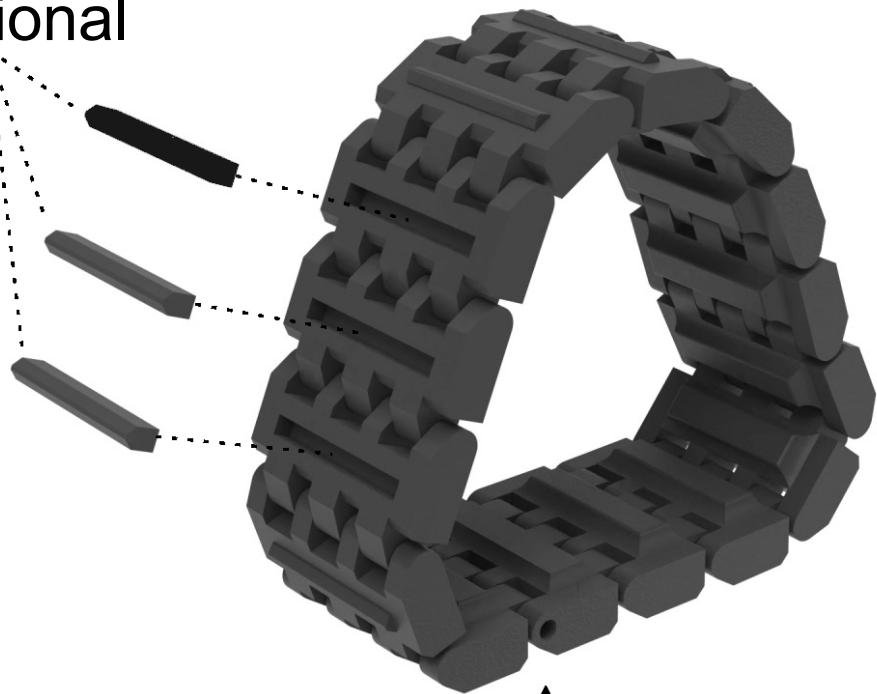
Use the axle and motor gears from the Crawler print profile. It's also important to purchase and use two additional Single-axis Plastic 1:105 Reduction Gear Kits.





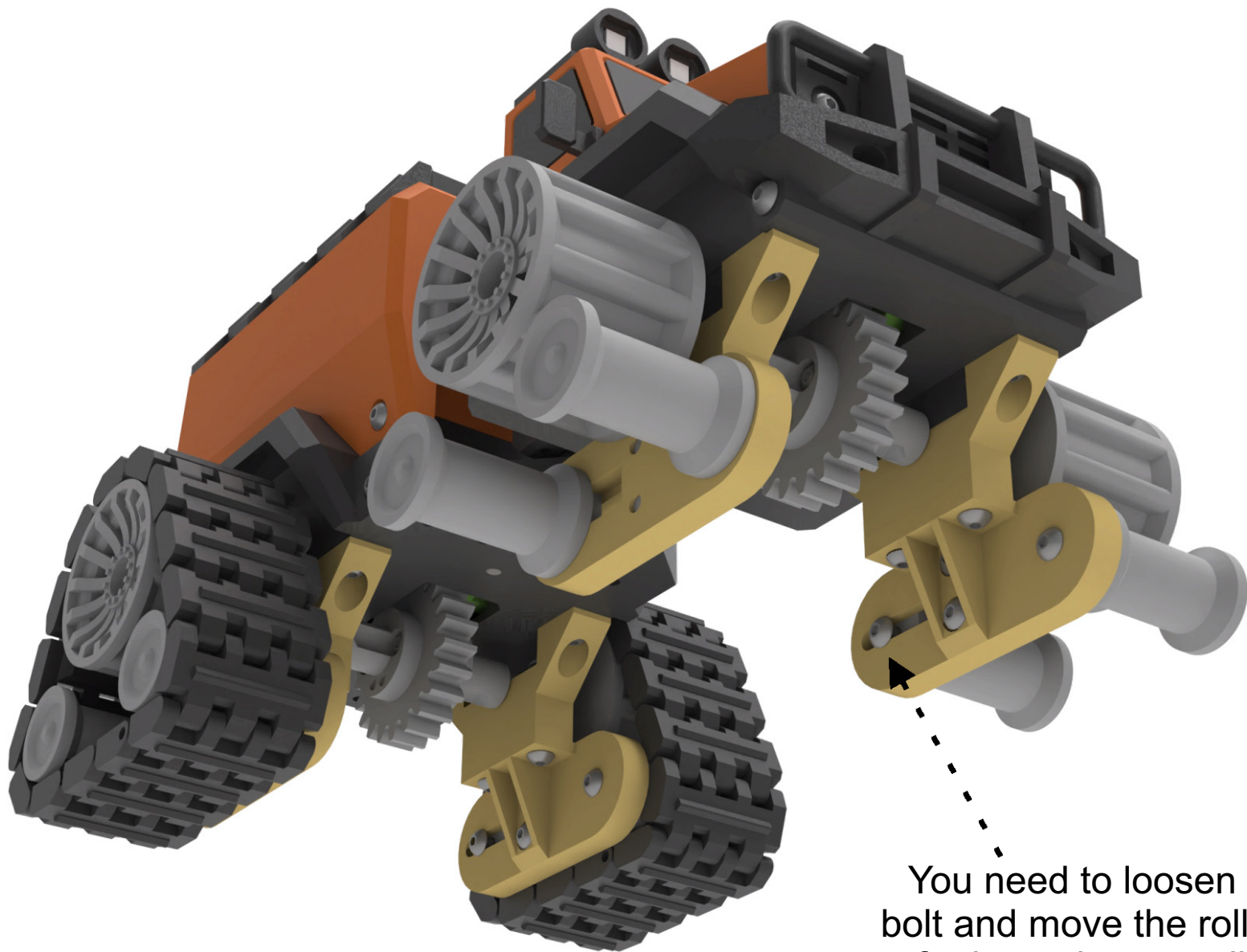


optional

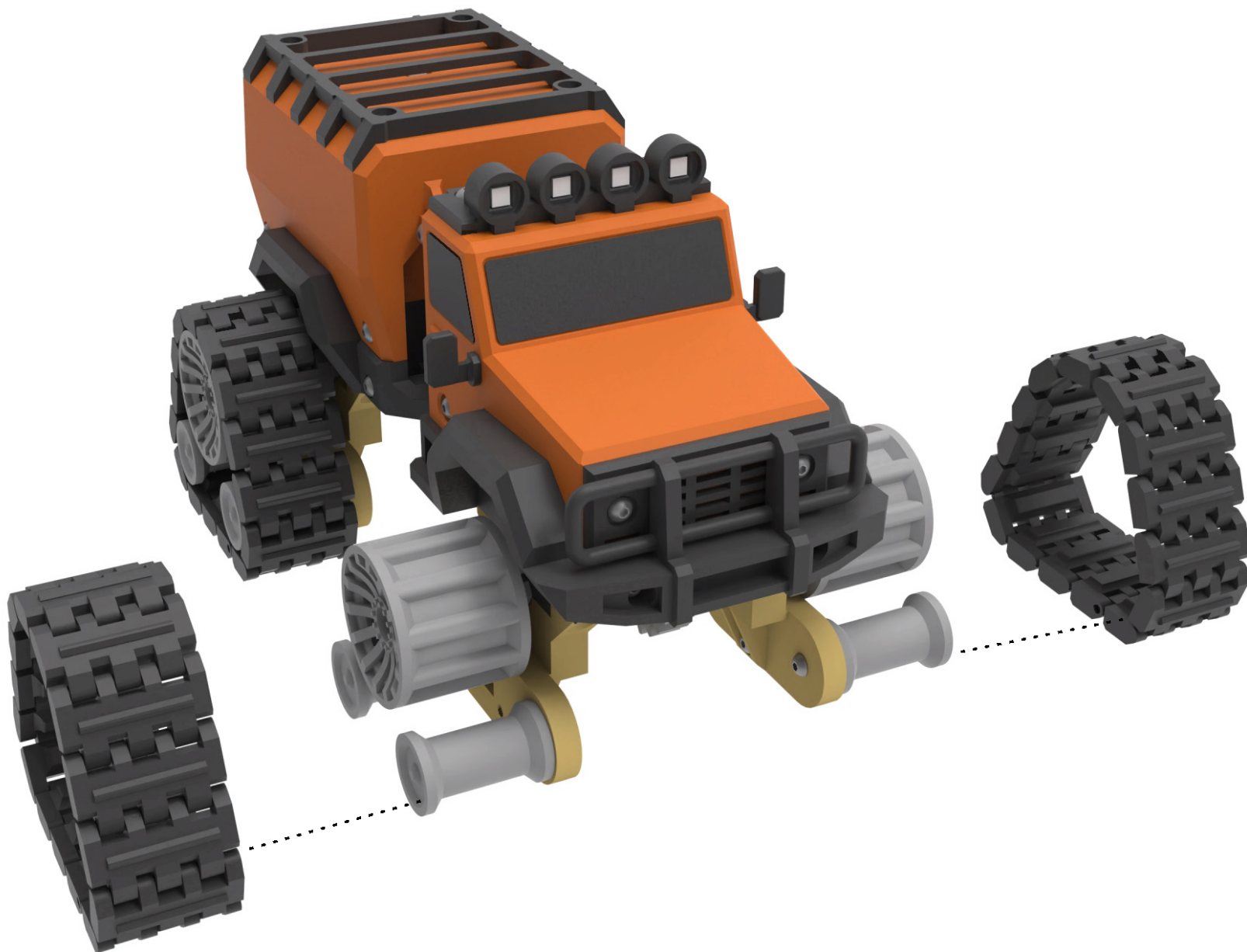


For the track lock, cut a small piece of filament and secure it in this hole.





You need to loosen this bolt and move the roller as far inward as possible.





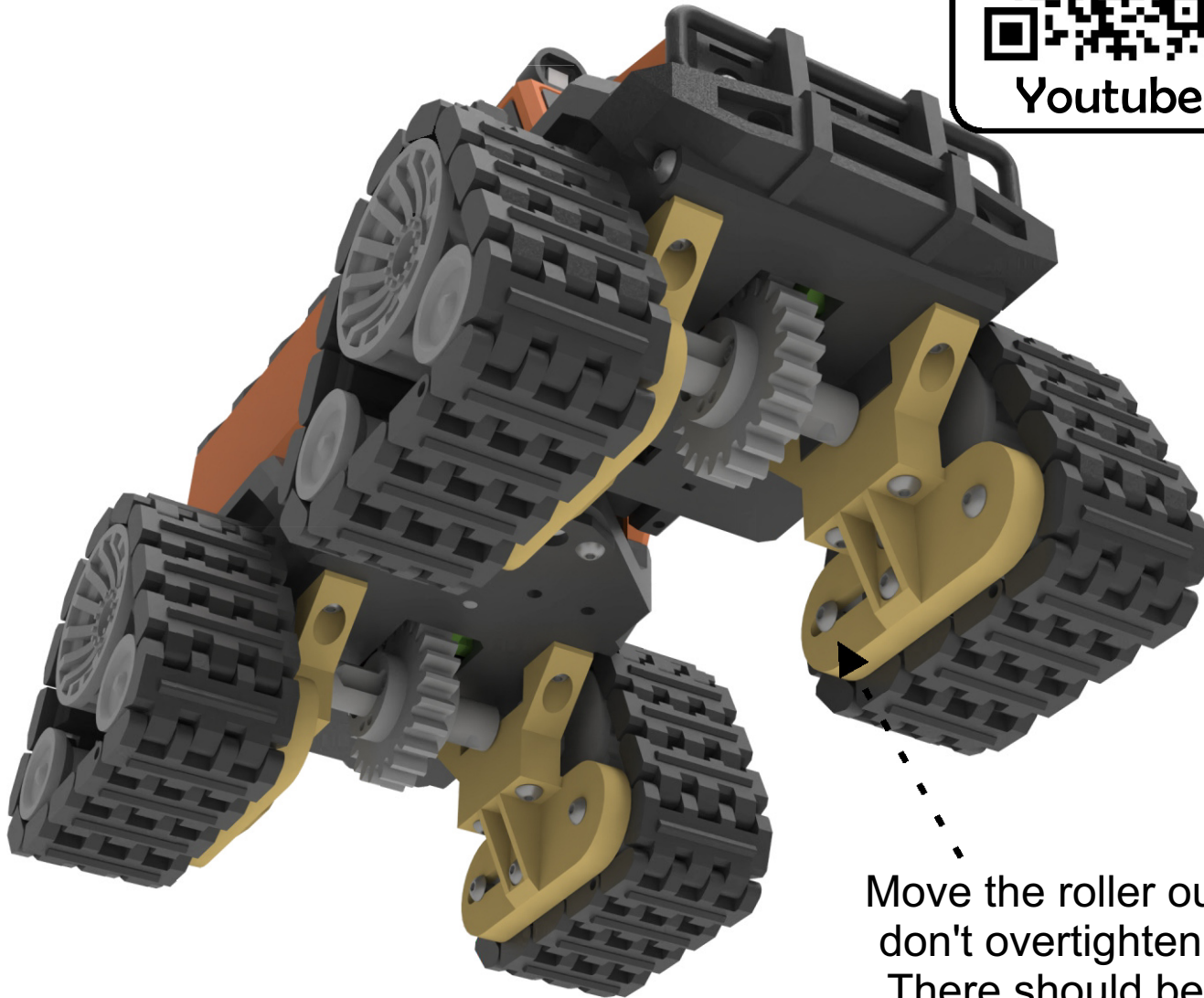
Youtube



Instagram



FB Group



Move the roller outward, but
don't overtighten the track.
There should be about 10
mm of play at the bottom.
Then tighten the bolt.