
Subject: Tricycle

Posted by [roofo](#) on Wed, 15 Sep 2010 20:44:35 GMT

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My tricycle arrived today! The wheels and pedals turn beautifully, the only thing that didn't work is the handlebars, they seem to be stuck in place, there must still be support material in the shaft connecting the front assembly to the main chassis. Any tips on how to remove powder from hard to reach areas?

(EDIT): I did some gentle back-and-forth motions to the steering column, and it loosened the powder, so now the steering works perfectly. It's not as loose as I like, but good enough for now.

<http://www.shapeways.com/model/150737/tricycle.html?gid=ug4247>

Video of it in action coming soon!

File Attachments

- 1) [tricycle1.jpg](#), downloaded 462 times
 - 2) [tricycle2.jpg](#), downloaded 471 times
 - 3) [tricycle3.jpg](#), downloaded 465 times
 - 4) [tricycle4.jpg](#), downloaded 508 times
 - 5) [tricycle5.jpg](#), downloaded 465 times
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Subject: Re: Tricycle

Posted by [Drawn-SteelHero](#) on Wed, 15 Sep 2010 21:19:49 GMT

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Fan-friggin'-tastic! Brilliant work.

Only suggestion I can think of for the powder is to try getting some water in there. I'm not sure how soluble the powder is, but it might help loosen it up a bit. At least it shouldn't be able to do any harm.

Andy

Subject: Re: Tricycle

Posted by [Shuggster](#) on Wed, 15 Sep 2010 21:27:08 GMT

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Really cute, I love it, I hope you manage to get all the moving parts free and you post up a video of it in action.

Subject: Re: Tricycle
Posted by [roofoo](#) on Wed, 15 Sep 2010 21:29:27 GMT
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Thanks guys, all it took was some gentle back and forth motion to the steering column, and it loosened up. So now it works great! Yes, I will be shooting some video soon to upload.

Subject: Re: Tricycle
Posted by [roofoo](#) on Thu, 16 Sep 2010 00:29:32 GMT
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Here's a little demo video of my trike in action!

http://www.youtube.com/watch?v=ITCZhK_W2B4

Subject: Re: Tricycle
Posted by [Whystler](#) on Thu, 16 Sep 2010 02:54:31 GMT
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That's great!

-Whystler

Subject: Re: Tricycle
Posted by [jeff](#) on Thu, 16 Sep 2010 02:56:39 GMT
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Very nicely done. Thanks for the video! What was your clearance in the steering column? And how thin are the wires on the wheel?

Subject: Re: Tricycle

Posted by [roofoo](#) on Thu, 16 Sep 2010 03:04:34 GMT
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Thanks Whystler!

Jeff, Clearances were 0.6mm, the minimum Shapeways recommends. The wheel wires are 1mm thick.

Subject: Re: Tricycle
Posted by [LincolnK](#) on Thu, 16 Sep 2010 03:57:26 GMT
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Very very cool!

Great seeing it move in the video too.

Subject: Re: Tricycle
Posted by [Inlite](#) on Thu, 16 Sep 2010 04:35:32 GMT
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Amazing work! one of the best models Ive seen on shapeways

Subject: Re: Tricycle
Posted by [lensman](#) on Thu, 16 Sep 2010 15:19:28 GMT
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Very nice. What was this modelled in?

Glenn

Subject: Re: Tricycle
Posted by [roofoo](#) on Thu, 16 Sep 2010 15:24:39 GMT
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I started modeling it in Blender 2.49 then moved to 2.53.

Subject: Re: Tricycle

Posted by [Shuggster](#) on Fri, 17 Sep 2010 12:50:59 GMT

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The video looks great, it runs suprisingly smoothly nice work.
