

Quantum Vandal RC Car - Front Suspension Holder

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Summary

My son received the Quantum Vandal 1/10 4WD Electric Racing Buggy (RTR) for Christmas this year and we suffered our...

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My son received the Quantum Vandal 1/10 4WD Electric Racing Buggy (RTR) for Christmas this year and we suffered our first crash within hours. The front suspension holders blew out on one side. After a few repair attempts we gave up and ordered replacements. Of course they are backordered. Now we have a 3D printer it's time to make our own replacement parts.

After a few hours learning Fusion 360 and making a few test prints we managed to nail down the dimensions of the part and the end result seems to work. We're very happy with the Prusa MK3S as well. There has never a better time to get into 3D Printing!

Post-Printing

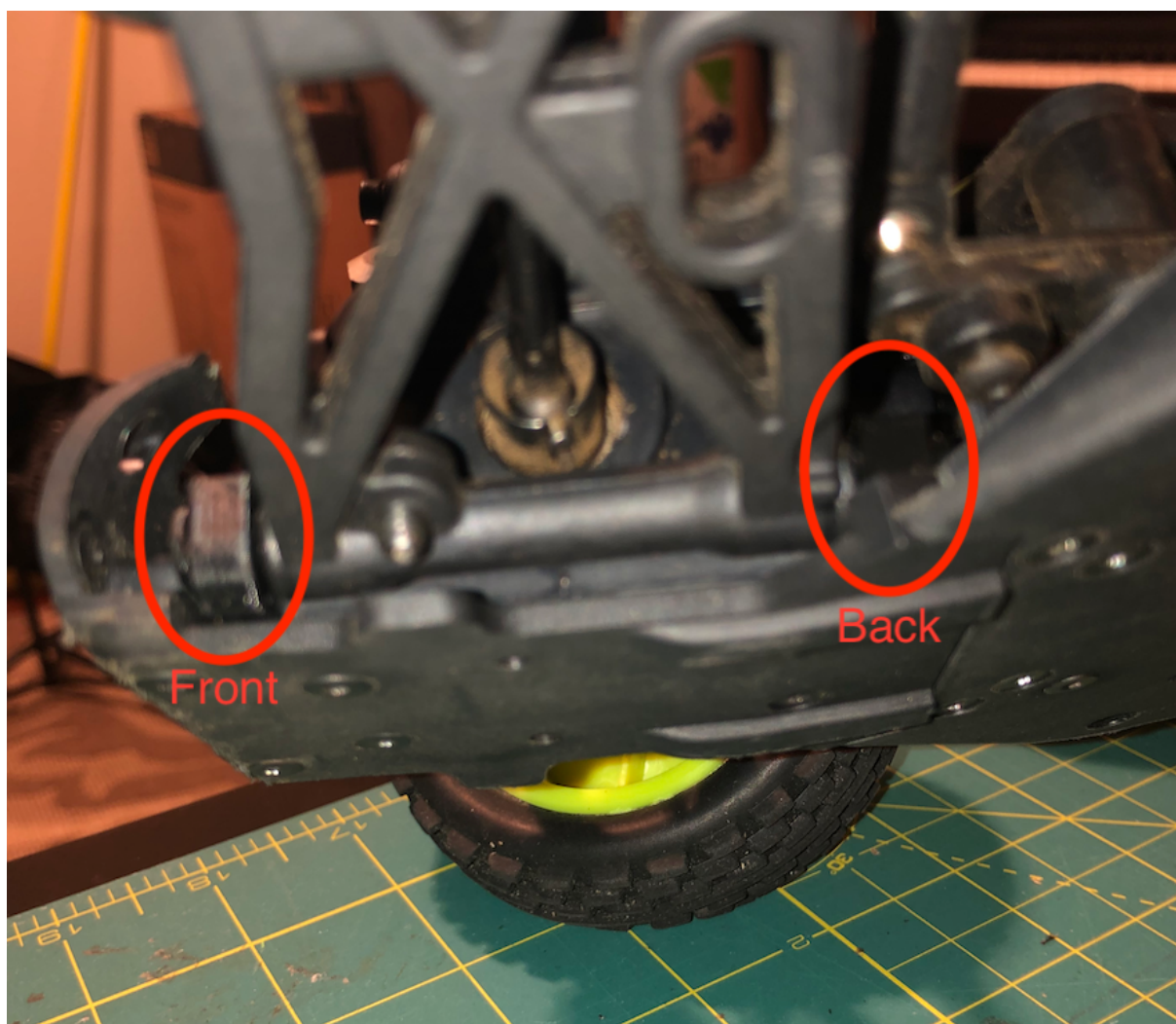
These are the original front suspension holders. Days after opening his new Quantum Vandal RC Car we ran into a brick at full speed with the right front tire and the suspension holder blew

out. I tried the gluing and melting solid core wire into the plastic and it lasted a few days but ultimately that blew out as well.



The end result came out very nice. Slightly more stringy with the PETG but a very nice print. The holes were a little small, specifically on the right piece (back mount). A small drill bit can be used to make the holes slightly larger. However; the

suspension holder holes are meant to be a snug fit and capped on the ends so don't get too aggressive with the drill bit.



Installed things look and work great. Do a full fit check before assembly. Also take pictures along the way. I was so excited that I forgot to fully document the assembly.

Category: R/C Vehicles

Model files



quanum_vandal_front_suspension_holder.stl

[Find source .stl files on Thingiverse.com](#)

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