

Quarterscale Legends

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www.Quarterscalelegends.com

The awesome history of 1/4 scale!

Gilmer project - complete re build going electric

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Dirt car
Newbie



Re: Gilmer project - complete re build going electric

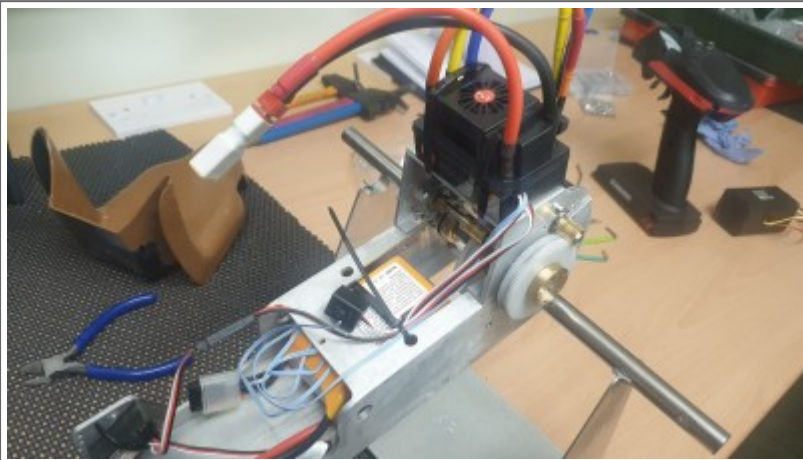
May 13th, 2020, 7:20 am

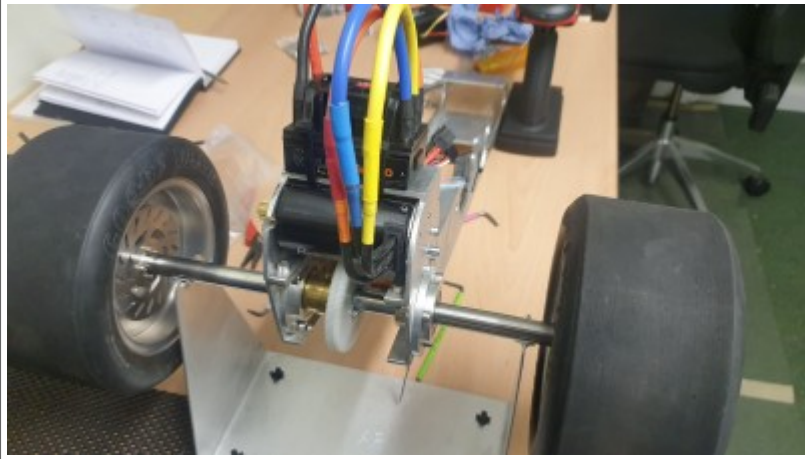
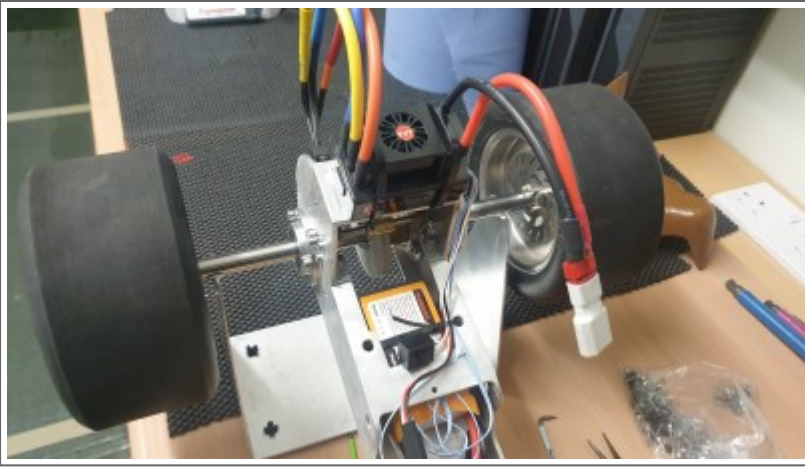
Test lash up

I had added a steering servo earlier.



Put the speed controller, battery and receiver in a convenient place for testing.





And added a tin can to simulate the additional weight.



Ready for its first run !



Dirt car
Newbie



Re: Gilmer project - complete re build going electric

📅 May 13th, 2020, 7:31 am

Here is video of first run. Not going to win any prizes for speed (I didn't check out speed at this stage)

[youtube]<https://youtu.be/QlE83cdle0M>[/youtube]



Emilio
1/4 Scale Legend!



Re: Gilmer project - complete re build going electric

📅 May 19th, 2020, 9:23 am

Nice, I really like your steering setup, going to steel that idea. 😊

Kaye

1/4 scale GOD



ONLINE

Re: Gilmer project - complete re build going electric

📅 May 20th, 2020, 7:35 am

Nice job!



Mike Casey

Legacy Member



Re: Gilmer project - complete re build going electric

📅 May 20th, 2020, 9:15 am

incredible project! Clean work!

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Dirt car

Newbie



Re: Gilmer project - complete re build going electric

📅 May 28th, 2020, 12:35 pm

Made a working steering rack. Used some copper tube and brass bar I turned on my small lathe, and brass bevel gears from ebay.



Here you can see assembled before painting



And here is the body painted



These are the other parts, control arm and rod to the front wheels. You can also see the ignition key to turn on/off the electrics.



here is the final assembly ready for fitting. The end plates are for fitting to the Gilmer chassis. I also filled the body with thick oi.



Dirt car
Newbie



Re: Gilmer project - complete re build going electric

May 28th, 2020, 12:39 pm

Steering arm fitted to the front axle.





Re: Gilmer project - complete re build going electric

May 28th, 2020, 12:56 pm

I need some brakes as well.

I bought a set of hydraulic brakes from eBay - pretty good quality. Im only going to fit them on the rear wheels.



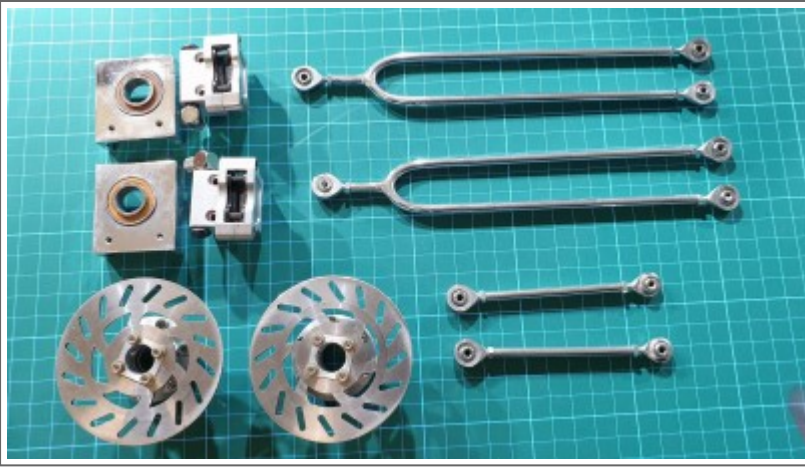
I machined the hubs (using small hobby milling machine) to fit the square profile of the disks. And drilled and tapped 4 holes for screws to hold the disks in place.



Here you can see them assembled with brass washers (I like the contrast of brass and steel). The disks are allowed to "float" a little within the disk caliper.



Here are the other parts I made to hold the calipers on the rear axle and rods to stop the caliper holder turning.



I tried to replicate the welding of the aluminum "stays" like Mr Gilmer did. I think I did a reasonable job

Kaye

1/4 scale GOD



ONLINE

Re: Gilmer project - complete re build going electric

📅 May 29th, 2020, 7:28 am

Superb detail !



Mike Casey

Legacy Member



Re: Gilmer project - complete re build going electric

📅 June 12th, 2020, 8:11 am

steering box looks great!

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Emilio

1/4 Scale Legend!



Re: Gilmer project - complete re build going electric

📅 June 12th, 2020, 12:04 pm

I too love the brass and steel combination. Did you modified the original Gilmer hubs or are they built from scratch?, I like the allen head screws going from the back fasten to rims with nuts. Would you mind taking it all apart to show more in depth of the hub system and what exactly was done?



Dirt car

Newbie



Re: Gilmer project - complete re build going electric

📅 June 24th, 2020, 11:55 pm

Hi Emilio

I modified the hubs. I had to machine the end with 4 flats square, and drill 4 threaded holes to hold the disks in place. The depth is important just a little deeper than the thickness of the disk so when they are fitted they "float" and dont bind in the calipers.



Dirt car
Newbie

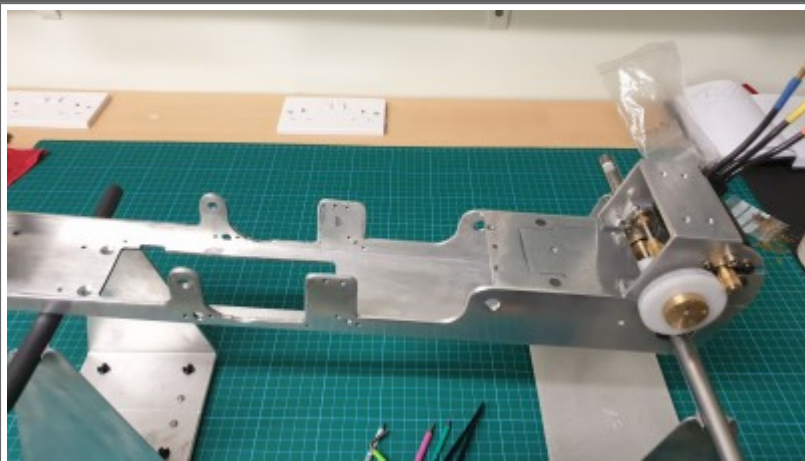
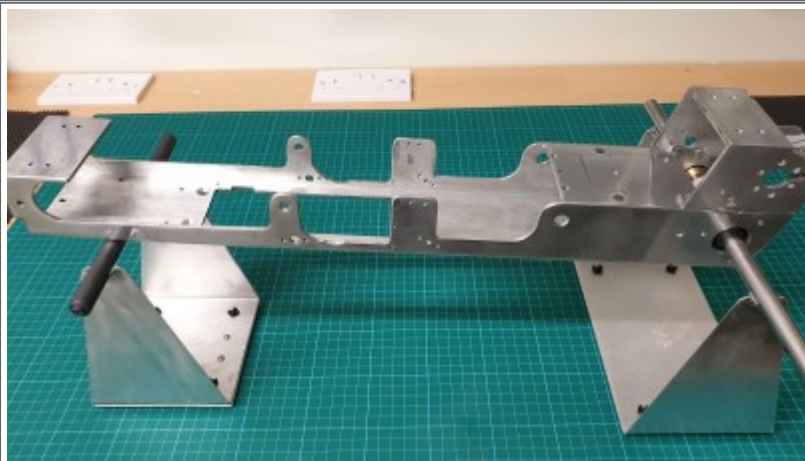


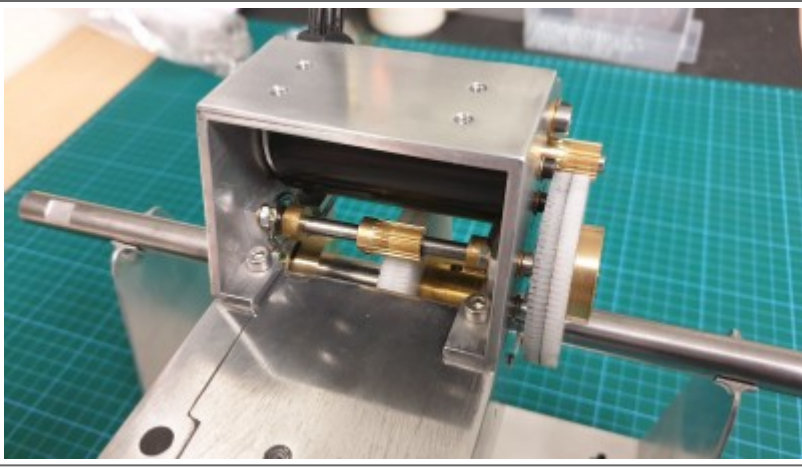
Re: Gilmer project - complete re build going electric

📅 June 25th, 2020, 12:19 am

Now that I know the car is going to run I dismantled back to the chassis and carefully reassembled, the rear end first. All the bearings were locktit in place.

BTW I had some old stands that I modified to fit the axels of the Gilmer - really useful at this stage of assembly - it was like building a "kit"





Kaye
1/4 scale GOD




ONLINE

Re: Gilmer project - complete re build going electric

📅 June 25th, 2020, 9:33 am

Lovely! I like the stand idea too!



 **Emilio**
1/4 Scale Legend!



Re: Gilmer project - complete re build going electric

📅 June 26th, 2020, 5:28 am

It's becoming a swiss watch , I love it. On the rear hubs do you think I can modify them with a file? Sadly I don't have a lathe.



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