

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



Gilmer project - complete re build going electric

January 29th, 2020, 7:35 am

Hi All

I have seen Scale Gilmer and working Gilmer but not both in same car.

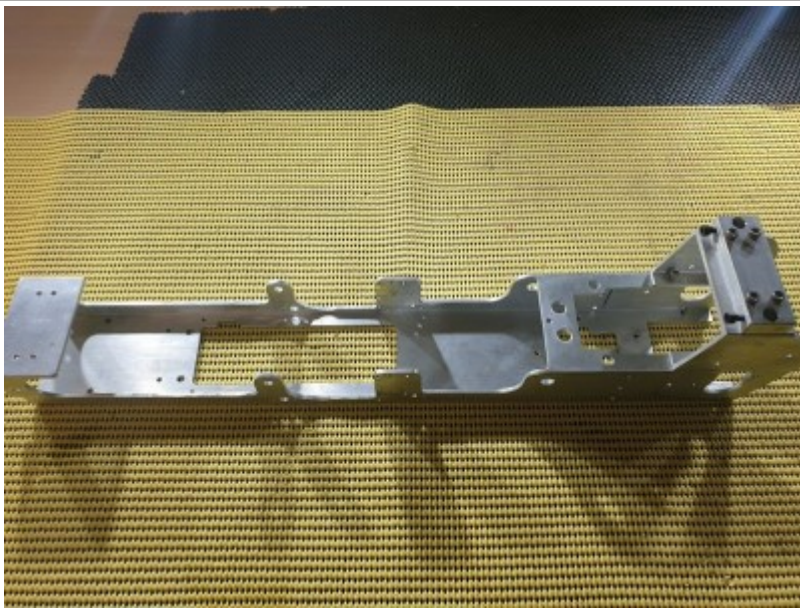
I was part way through my Gilmer project after putting it to one side 4 years ago. I had fitted a Saito twin and a rear axle differential (but cant recall where it was from) and home made clutch. But there were too many things not going right - so I abandoned the project and have just come back to it. Im now going for electric power I want the car to look as scale as possible but also run.

This is how it originally arrived from Gilmer to my home in the UK 6 years ago





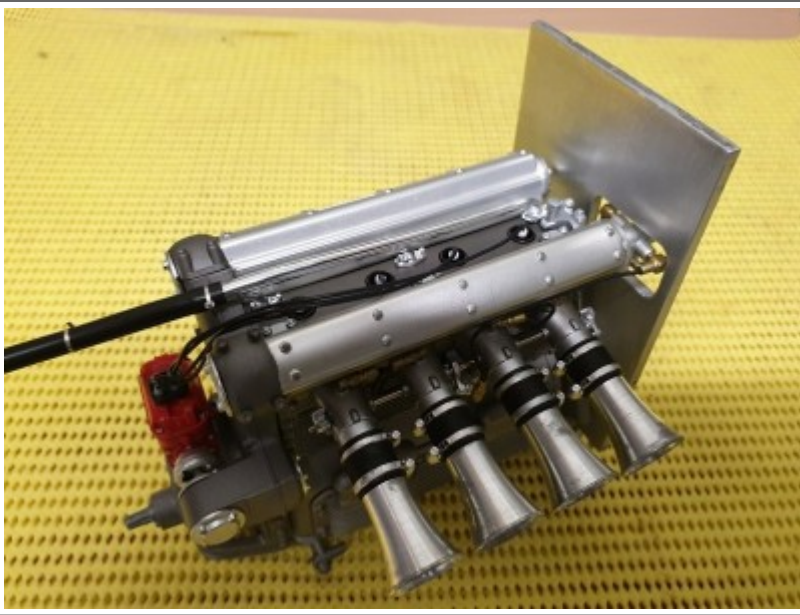
As it is now.



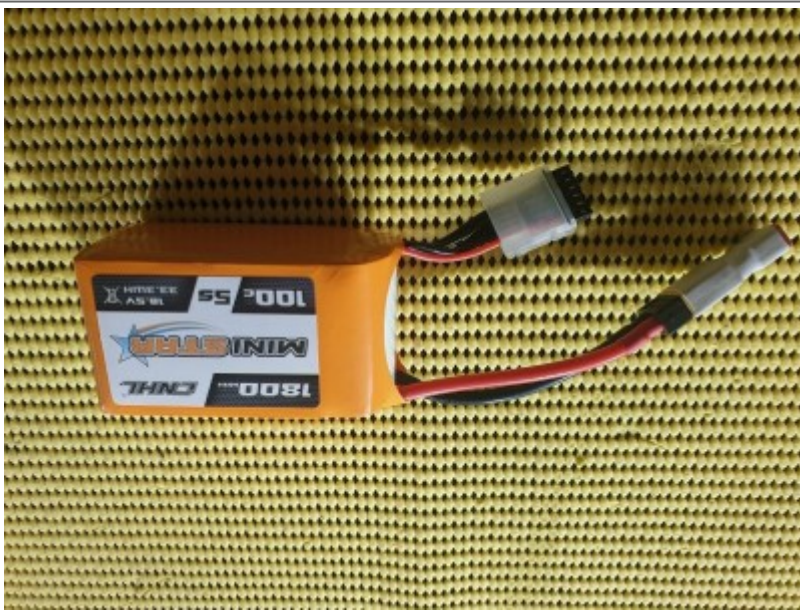
Im going to add engine



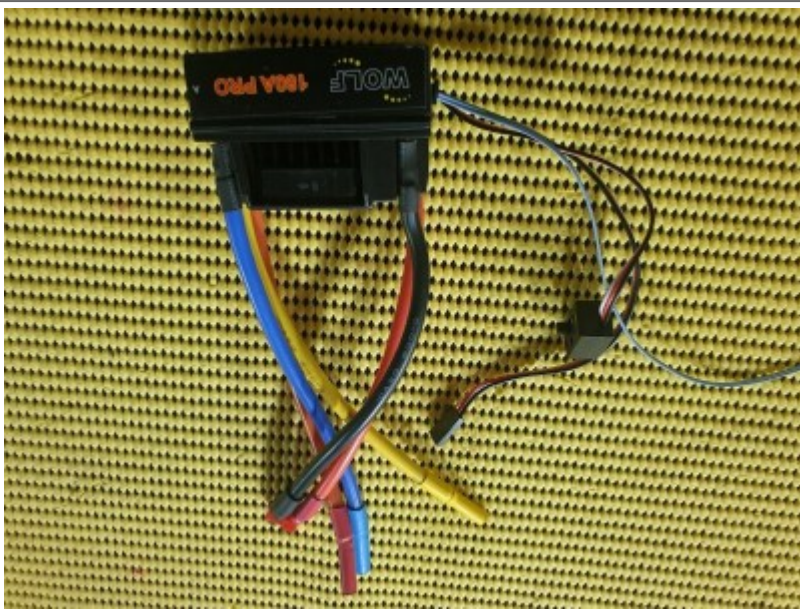
And for realism



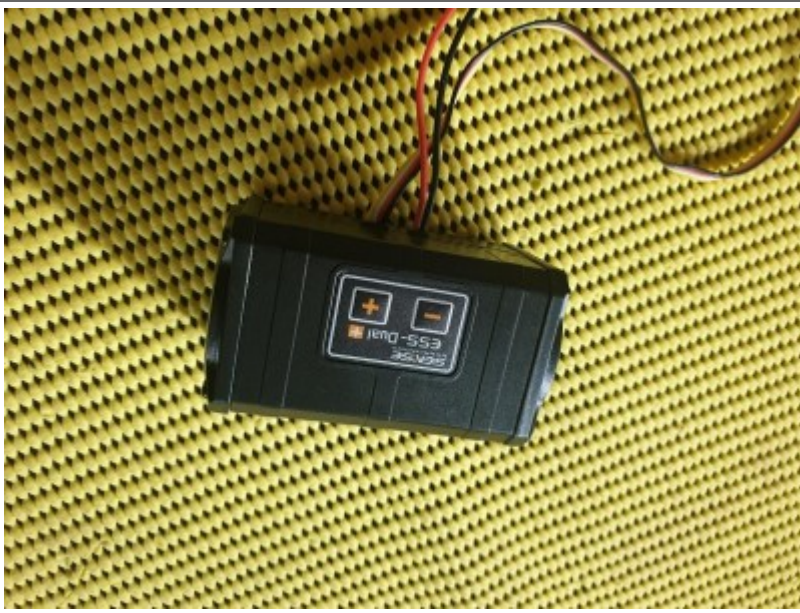
Fuel



Control system



And realistic engine sound



I have made progress on some other parts of the car - so more in the coming weeks

Kaye

1/4 scale GOD



ONLINE

Re: Gilmer project - complete re build going electric

January 29th, 2020, 9:17 am

I'm looking forward to following your project!



Dirt car

Newbie



Re: Gilmer project - complete re build going electric

January 30th, 2020, 8:59 am

Thanks

Just thought Id add, Im not going for speed, more a good looking Gilmer that actually moves and steers and makes the right noises under its own power.

I could have got a 1/5 size motor but it wouldn't fit without compromising the looks.



Emilio

1/4 Scale Legend!



Re: Gilmer project - complete re build going electric

January 30th, 2020, 1:57 pm

I fitted mine with a nitro 60 and a 90 degree transfer case with the clutch system from an rc helicopter and sprocket and chain. I copied Jan Gilmer's prototype minus the twin saito, didn't want to cut into the body. But it will run just fine with some nitro. Starts up with a belt drive. Going with electric is nice and clean and that offy looks fantastic. Nice to see some Gilmer projects, may he rest in peace.



Mike Casey

Legacy Member



Re: Gilmer project - complete re build going electric

January 30th, 2020, 3:55 pm

thats going to be fun project I have not seen done before.



Dirt car
Newbie



Re: Gilmer project - complete re build going electric

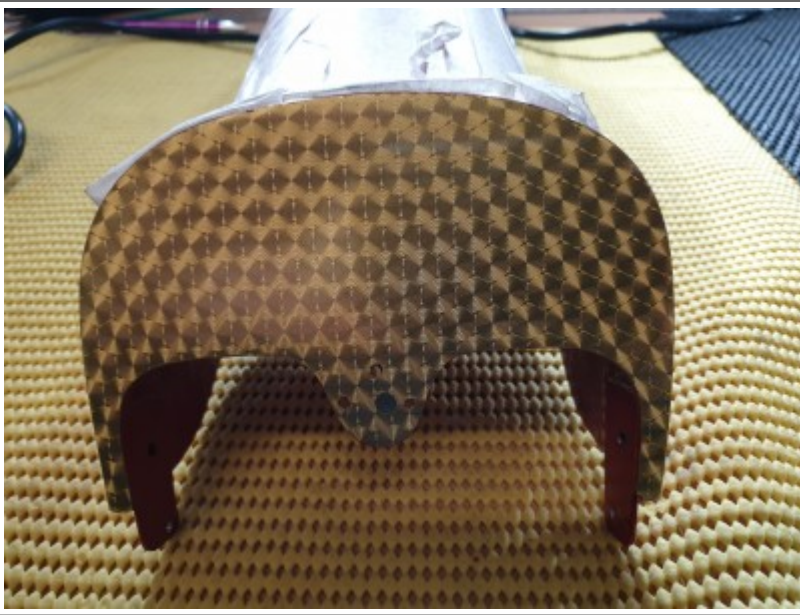
📅 February 3rd, 2020, 7:50 am

Thanks,

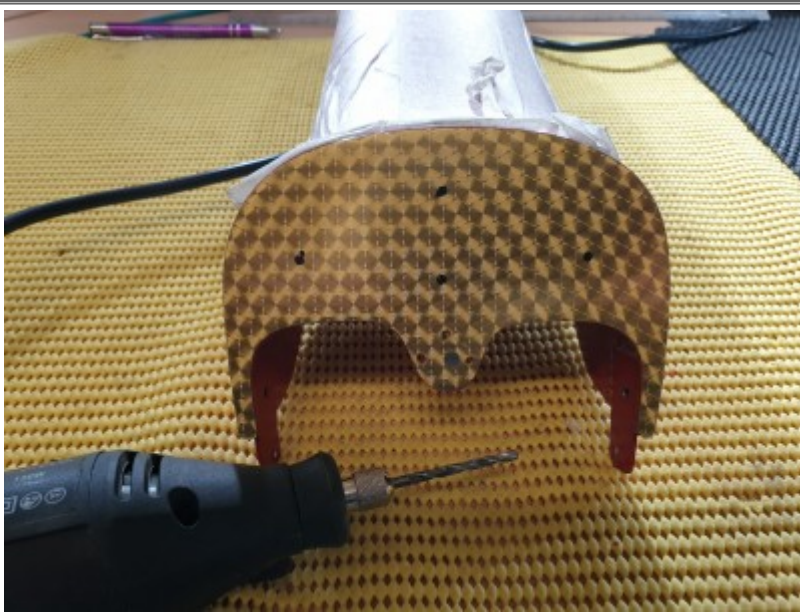
I Went back to the dashboard to add detail - this is how it went.

I used a very small meter took it apart and fitted in custom aluminium bezels I made





You can also see some additional holes at the bottom - these are for the new (working) steering wheel column



Holes required for the ignition key and voltmeter - other gauges were glued in place.



The ignition key works and will turn the engine on / off. As you can also see the engine is revving at 3,000 rpm !



Dirt car
Newbie



Re: Gilmer project - complete re build going electric

February 3rd, 2020, 7:52 am

Forgot to add that on my dash the steering wheel hole wasn't exactly in the middle of the dash, and the knee cut outs were not equal - but they are now.



Mike Casey
Legacy Member



Re: Gilmer project - complete re build going electric

February 3rd, 2020, 8:01 am

Looks sharp. What's the mini gauge from?

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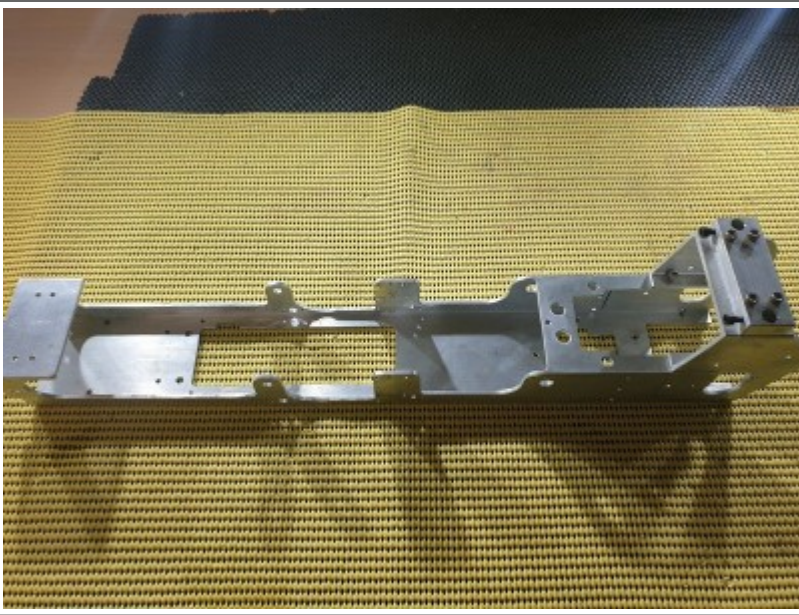
Dirt car
Newbie



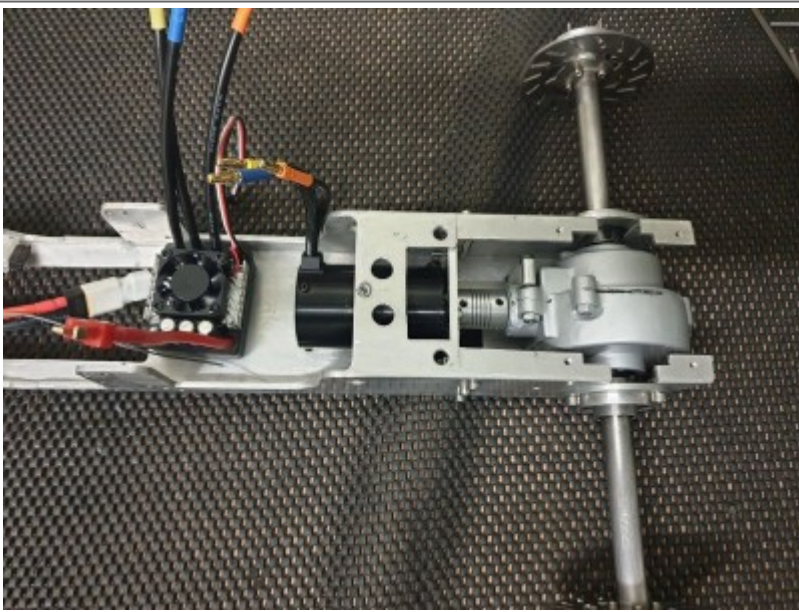
Re: Gilmer project - complete re build going electric

May 3rd, 2020, 5:24 am

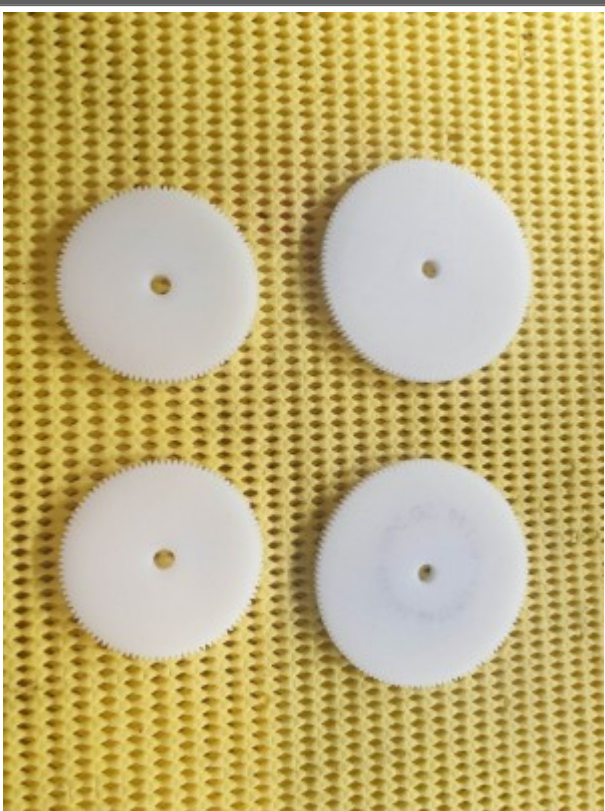
It's been a few months, but I haven't been idle. My first attempt at running with an electric motor was a disaster. I stripped the chassis back first, it's already been modified when I had a Saito twin fitted.



Then I fitted electric motor



The gearing in the rear axle was too low and the motor controller overheated and burnt out. So back to the drawing board. I completely rethought the problem and came up with a solution that involved a few of these:



Everyone stay safe.



Kaye

1/4 scale GOD



ONLINE

Re: Gilmer project - complete re build going electric

📅 May 3rd, 2020, 7:03 am

Looking great. Good work!



Emilio

1/4 Scale Legend!



Re: Gilmer project - complete re build going electric

📅 May 11th, 2020, 2:59 am

What kind of rear is that?



Dirt car

Newbie



Re: Gilmer project - complete re build going electric

📅 May 13th, 2020, 6:42 am

Sorry I cant remember. I bought it several years ago when I first bought the Gilmer. Think it was from China.



Dirt car

Newbie



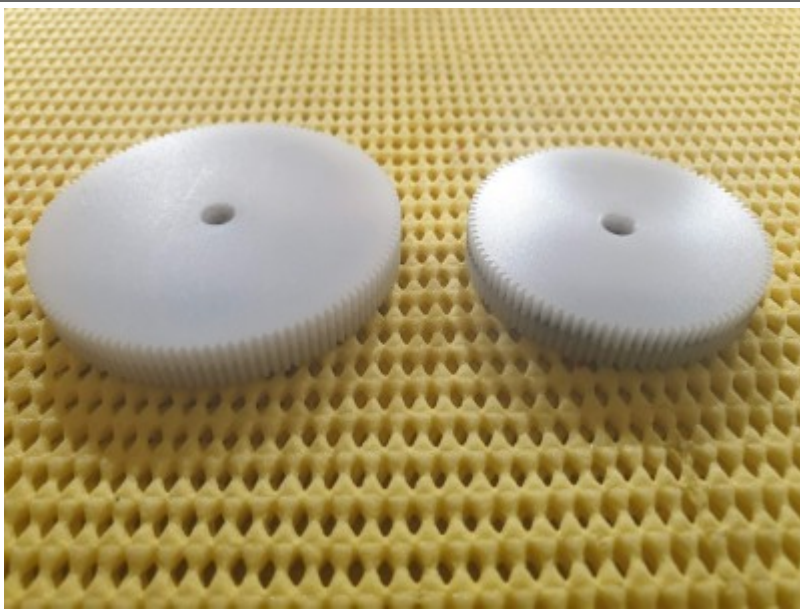
Re: Gilmer project - complete re build going electric

📅 May 13th, 2020, 7:05 am

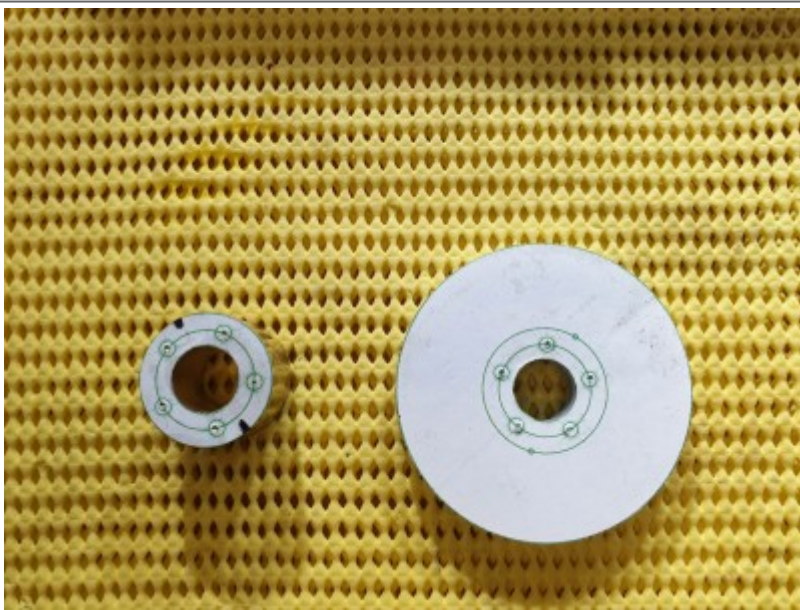
Electric motor build up.

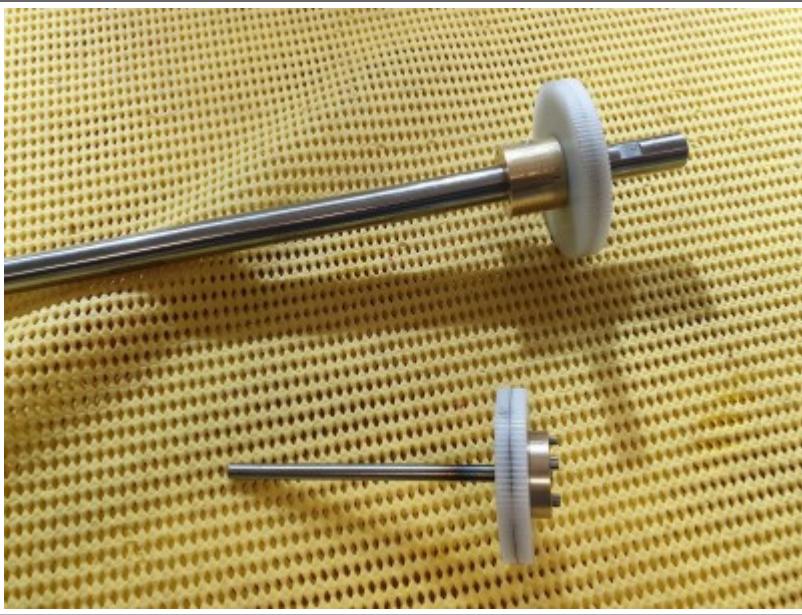
I used nylon gears, but they were too narrow so I joined 2 together, and there are two different sizes needed.





They are fitted on shafts and held in place with brass disks





Dirt car
Newbie



Re: Gilmer project - complete re build going electric

📅 May 13th, 2020, 7:06 am

I made some bearing holders - two were required for each end of the shaft.



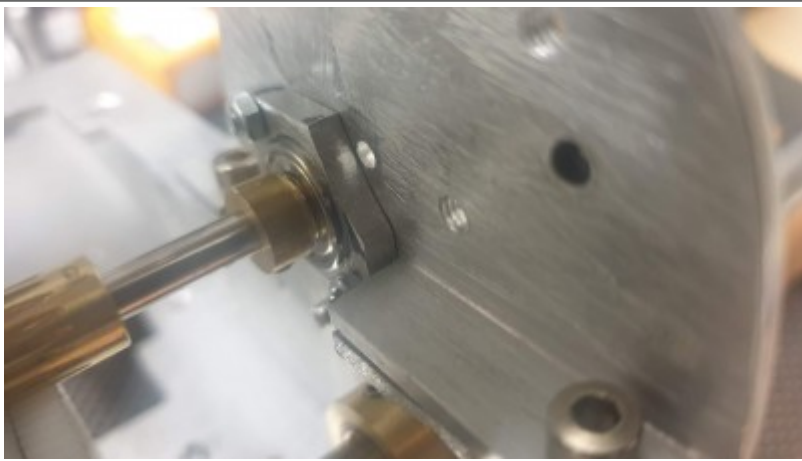
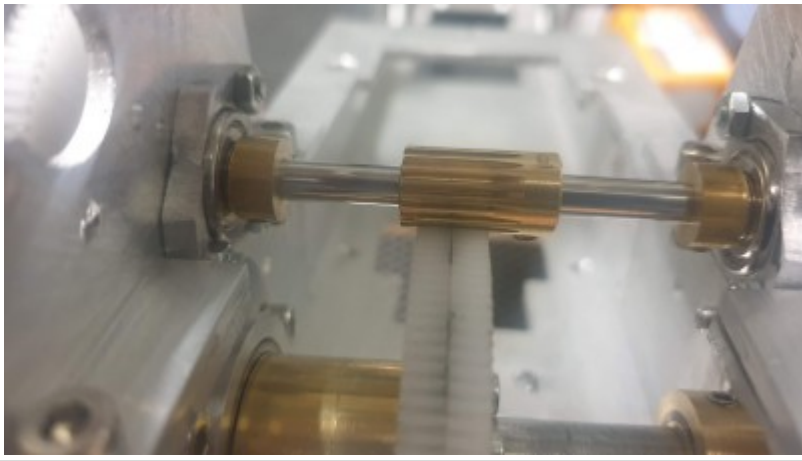
Dirt car
Newbie

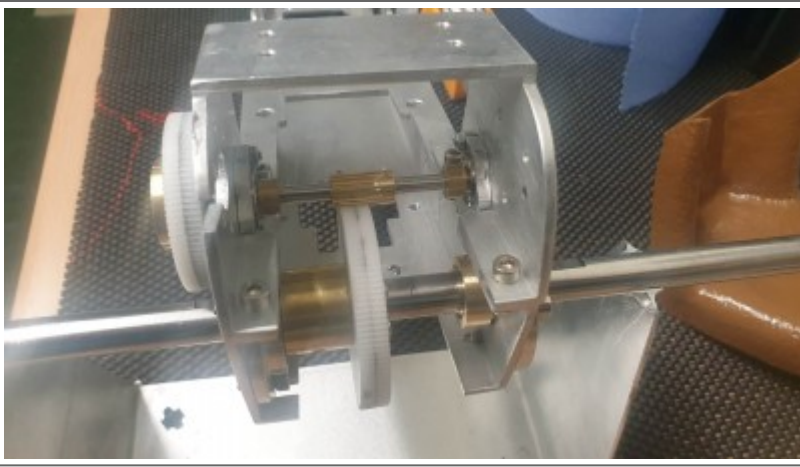


Re: Gilmer project - complete re build going electric

📅 May 13th, 2020, 7:13 am

Assembly of the gears and motor in the frame. This took a lot work to position the gears correctly - not too loose and not too tight so they would bind.





And finally the motor



This was a perfect fit, and I packed the end with 1mm thick Ali sheet held in place with 3 grub screw - so the motor is held firmly in place.

You can see also the speed controller which was placed above the motor as a temp measure to test the running.



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