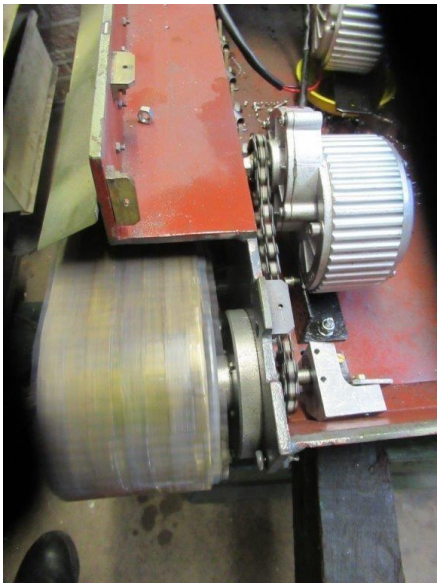
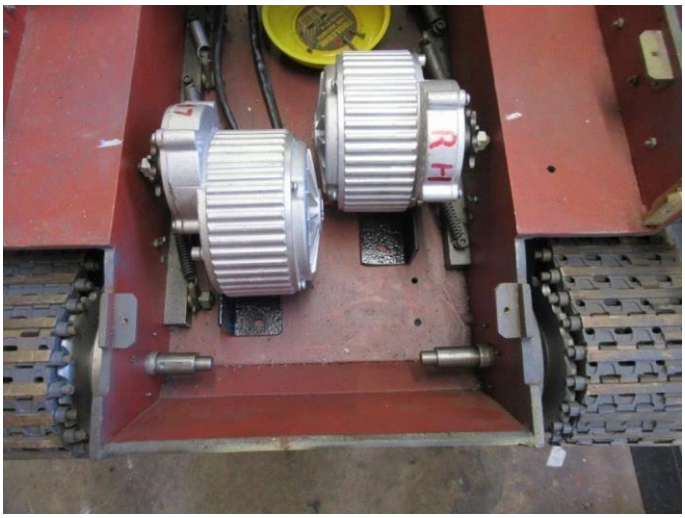
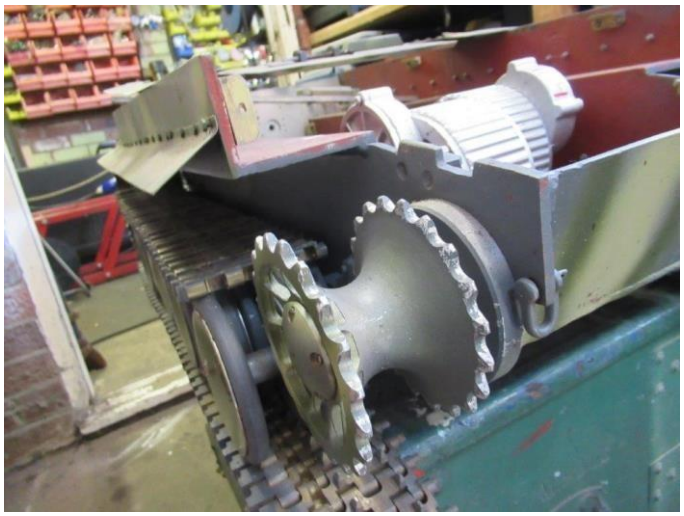
Pull out a stalled project to fill a few days was name of the game!

My 1/8 Tiger tank which has been left since I have been involved in a 1:1 scale replica Stug III over the last few years (picture of which is at the end of this piece) is the subject of this write up.

So pull it out remove the turret & top deck and sit it on an old wheeled tool box for access, I think it as got heavier since I last lifted it?





I already had 2 X 250W 12v motors which I had mounted on angle iron to secure to the hull, so first job was workout how to mount both of them keeping the drive chains as near equal length as possible. By turning one the opposite way I was able to keep the two gearbox's almost side by side therefor achieving equal drive chain lengths.

Prop up the LH track split it & remove the sprocket drive, I could now turn down the inner drive shaft to fit the chain sprocket, this also entailed milling in a new slot for a key way.

Once that was done the drive was installed & the chain cut to length (standard push bike chain) and the motor bolted down in via slotted holes for adjustment of slack.
Like the rest of us during the lock-down I have to use what I have in stock, no quick nips to the shops. With this in minded I wanted to support the inner end of the drive shaft with a bearing.

So finding an old gearbox with bearings I could use I cut them out with as much of the Alloy as I could & mounted them on the end with a steel strap of 20mm bar held with 2BA screws (left over BR railway stock). Connected to a 12v supply & low & behold the tracks turned helped with

WD40, the RH side was a repeat of the first job & completed the next day. Its so surprising how quick you can make a second one when you've worked out all the measurements from the first job?

To give me a brake from precision work (I use that term loosely) I spent a couple of days making tools & brackets for the hull, let a bit of artistic license flow & not too worried about exact scale just near enough.

I then remembered I had a caravan battery at the other house so rigged it up on top of the hull and clamped the jump leads on (not my most elegant test rig). The tank shot off like a rocket so the drive works with enough speed & more importantly dead strait the two drives operating equally so should eventually steer OK on radio control.

I've found a small motor which may work on the barrel elevation if it will, I'll send another write up & pictures, in the meantime enjoy these.

Roger Thompson.