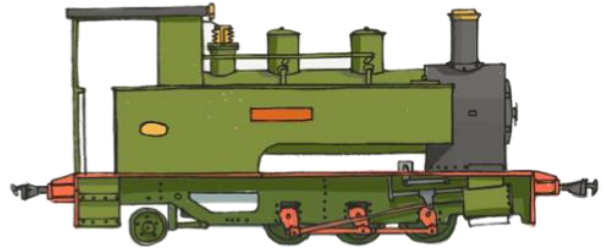


# Bowaters

## MODELS

specialising in distinctive 16mm models



## Bowaters Models – 4w Drive Chassis Instructions



### Required Tools

- Fine Sandpaper/Emery paper or boards
- Super glue
- Sharp Craft Knife

## Product Information

This chassis has been designed for use with the Bowaters Models Emma, Upnor Castle, Conway Castle and 7/8ths Scale Victor. The kits are suitable for both 32mm and 45mm gauge being set in either gauge during assemble.

## About the Kit

The kit is a 3D printed/Laser cut kit comprising of a set of plastic parts with Oil filled bearings and resin glass filled wheels on steel axles with Nylon Gears/Worms.

**Please Turn over**



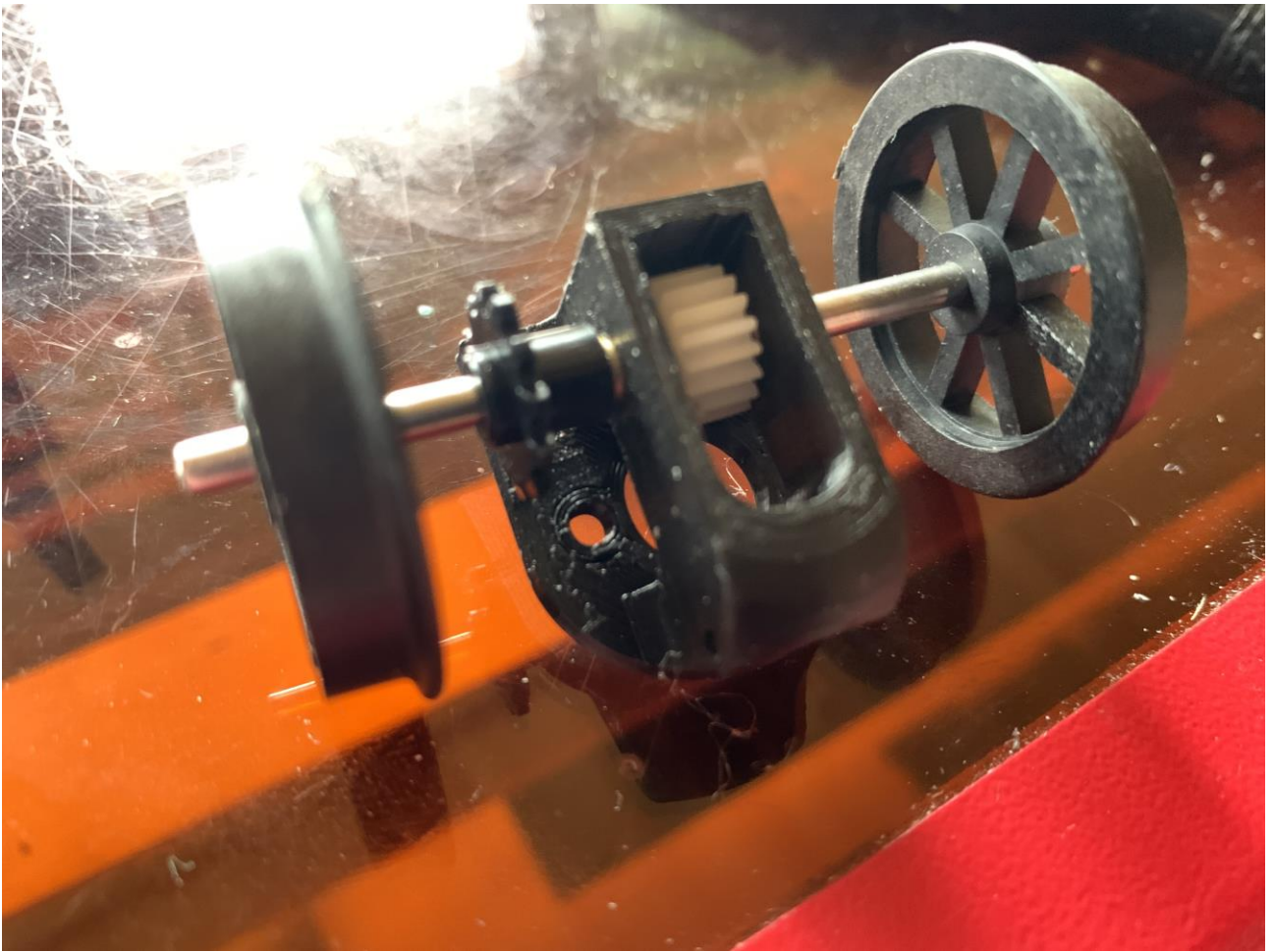
*To start, glue the bearings into the chassis sides. The holes in the sides may need a light filing to get a perfect fit.*



*Now start assembling the wheel sets, first, slide onto the unpowered axle on of the 4w Drive cogs into the middle of the axle. Do NOT glue it into place yet.*



*Now assemble the powered axle. Note the 4w Drive cog being positioned next to the gearbox housing, There are two bearings that sit in the gearbox housing (see the next page)*



*A close up of the gearbox showing the bearings.*



*The final part to be preassembled is the worm gear onto the motor. It is recommended that you have a 2mm gap between the bottom of the gear and the top of the motor.*

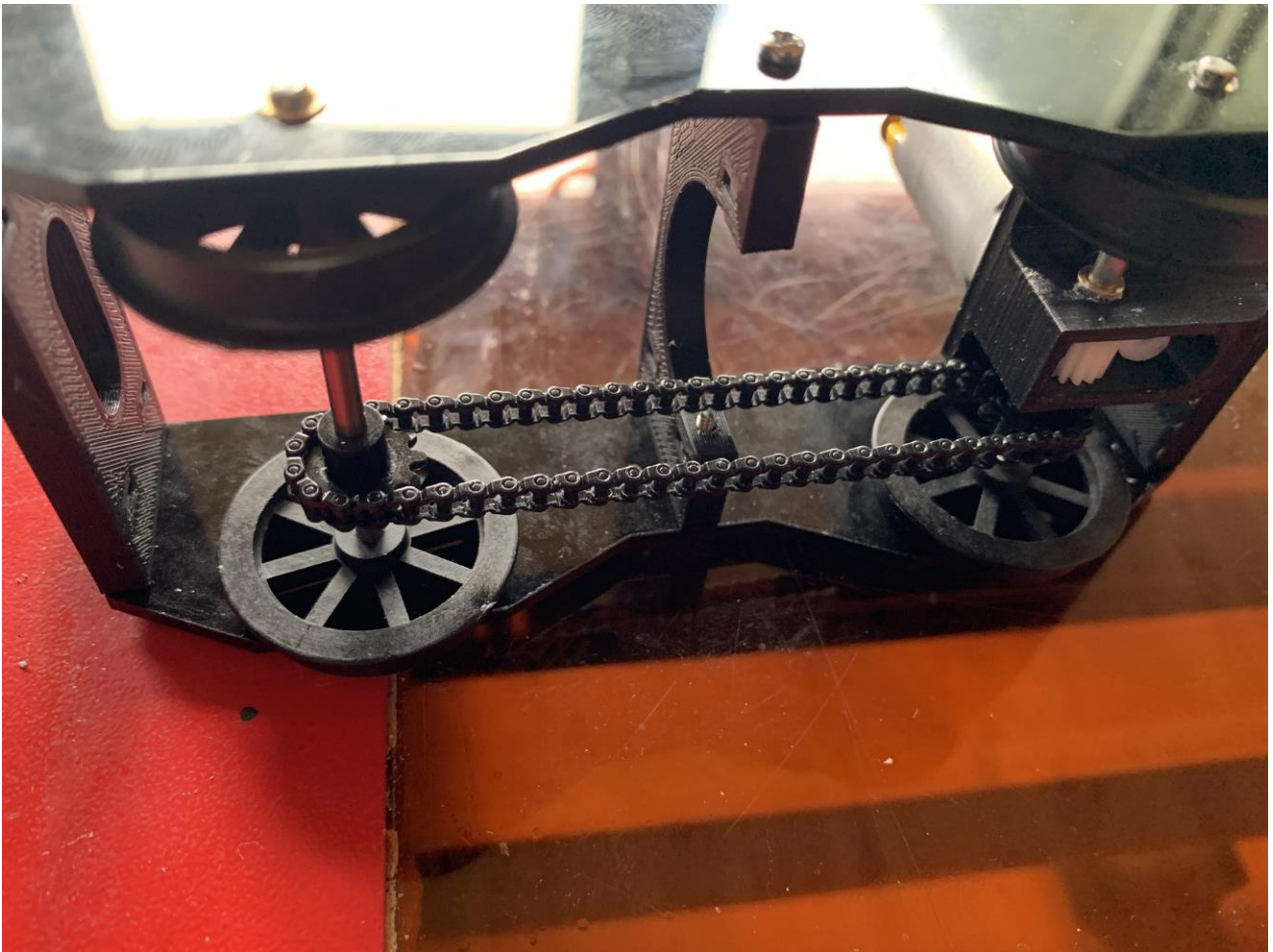


*Now its time to start assembly of the chassis itself. Start by screwing the spacers onto the sides of the chassis as shown above.*

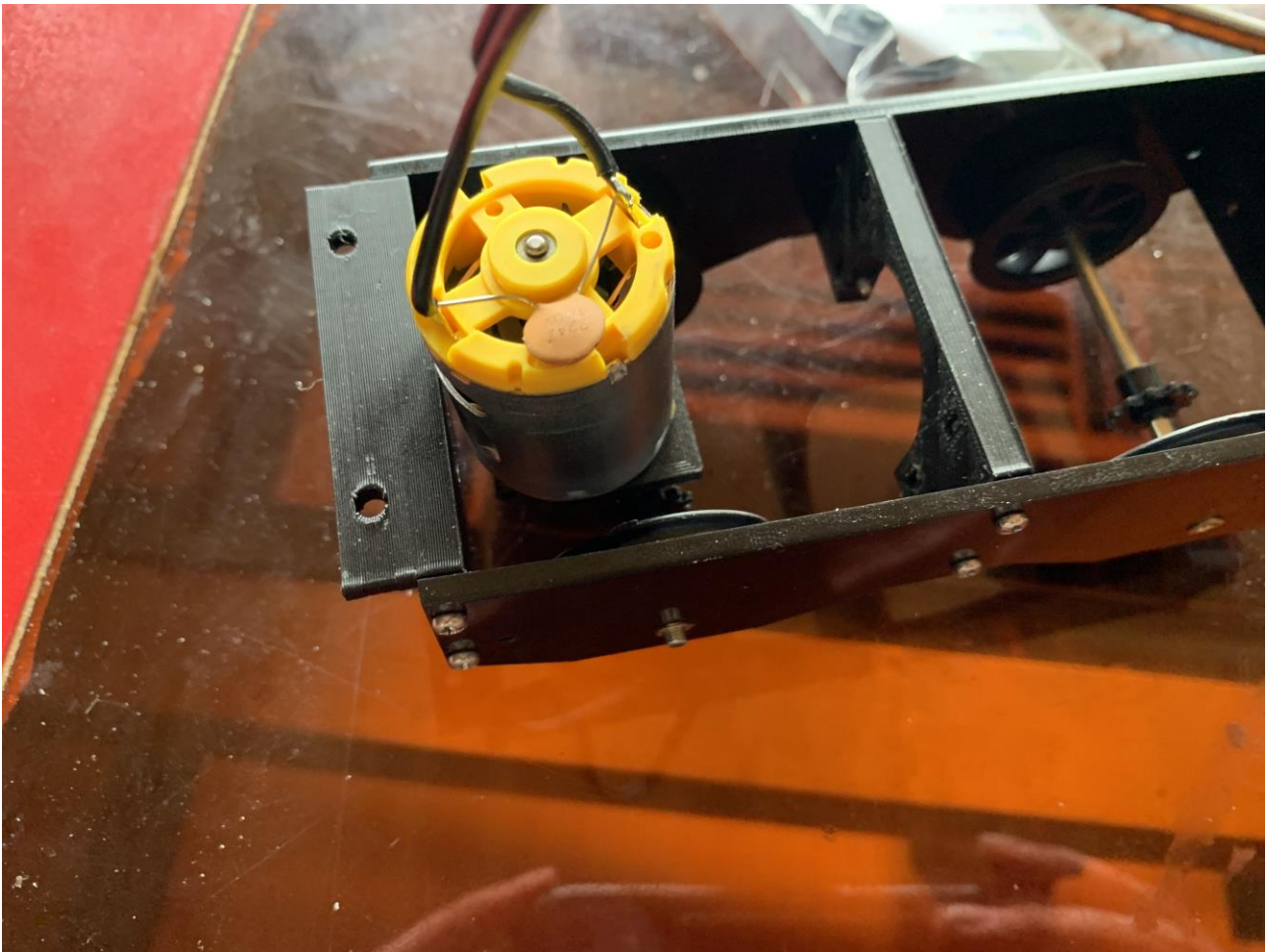




*Next, insert the Wheelsets and the other chassis side into place. Note, the powered axle needs to go at the end of the chassis with the small hole on the outside side (Left Hand side of the image)*

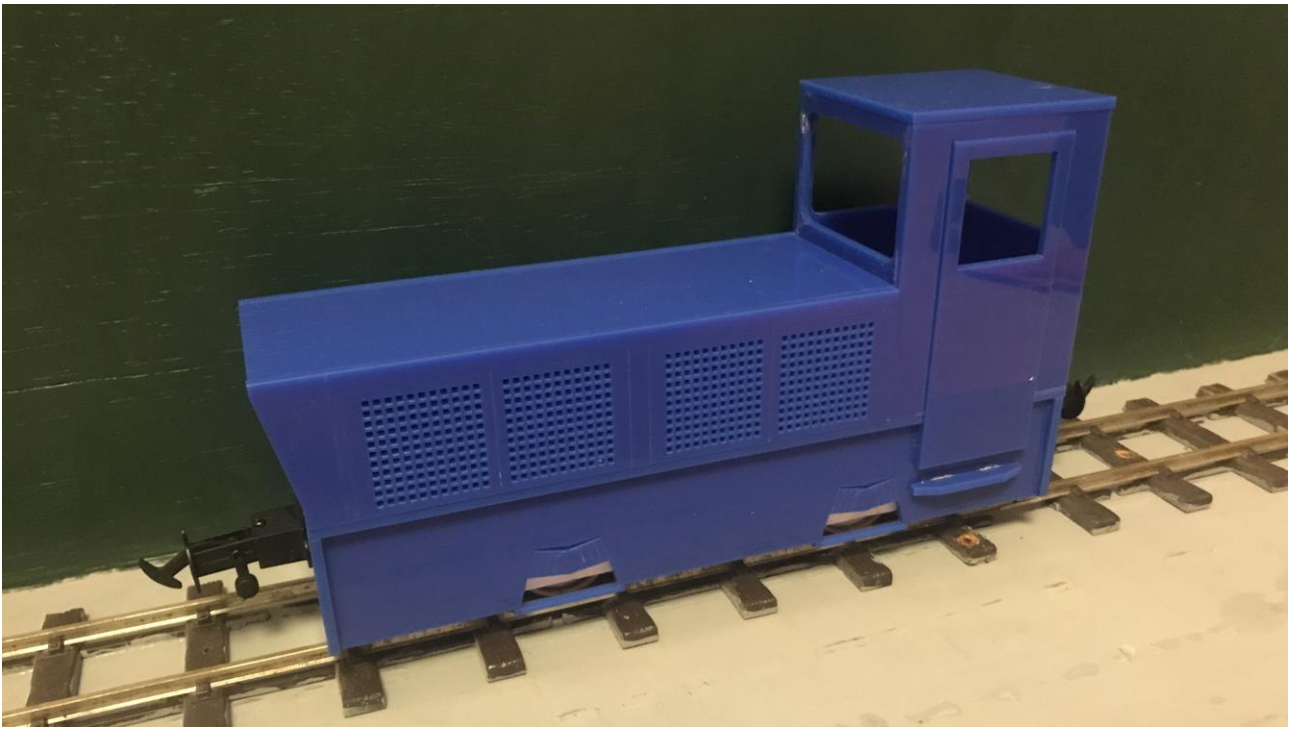


*Now, its time to insert the chain for the chain drive. At this point, it is also recommended you glue the cogs into place on the axle.*



*To finish the chassis off, screw the motor into place on the gear box and slide the supplied brass rod through the small hole in the side of the chassis and in the rear of the gearbox. This completes the chassis and it is now ready for testing and installing on the chassis.*

*Your chassis is now complete.*



We hope you enjoy your Bowaters Models kit! If you have any questions, don't hesitate to contact us on [info@bowatersmodels.co.uk](mailto:info@bowatersmodels.co.uk)

We thank you for your custom.