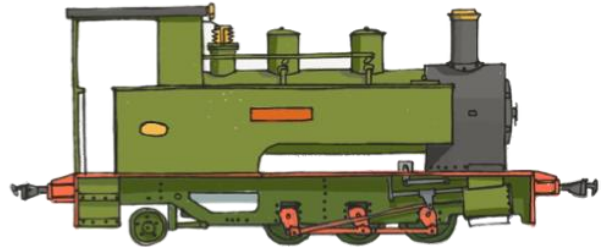
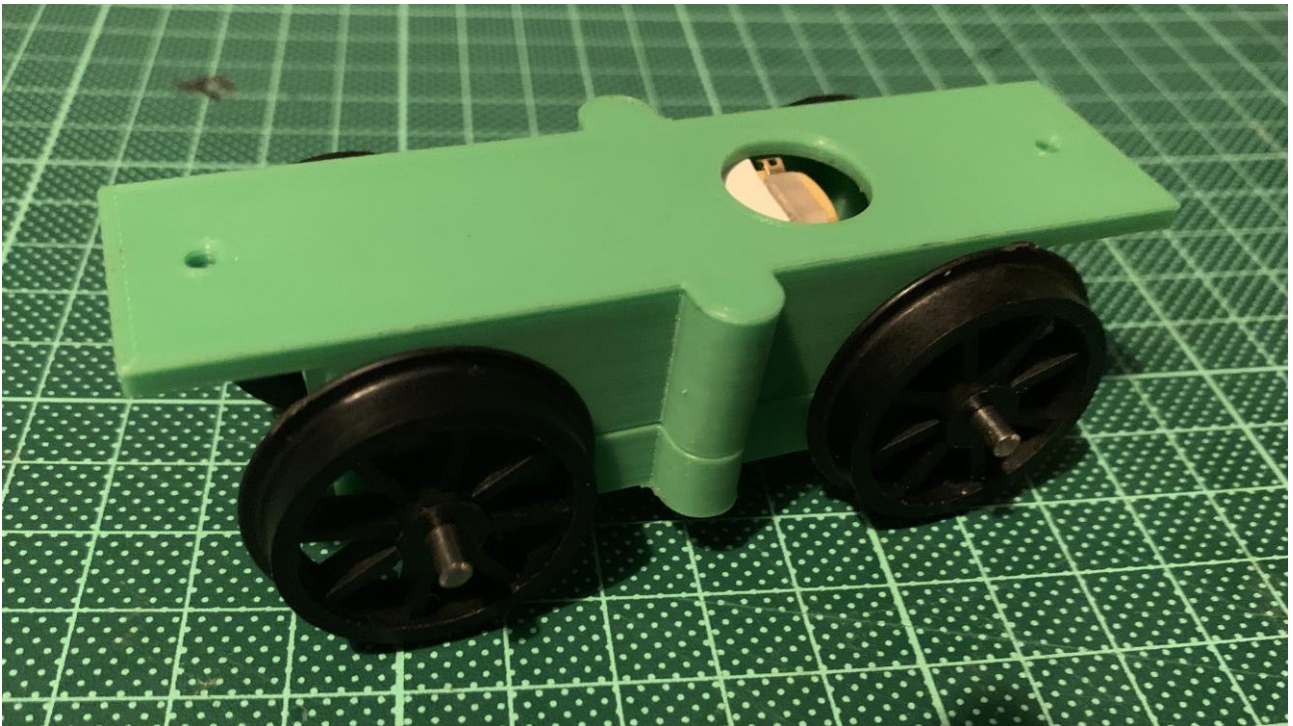


Bowaters MODELS

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

These bogies have been designed by Bowaters Models and represent the first in a line of internally designed chassis for our kits. The kits are suitable for both 32mm and 45mm gauge with 45mm gauge being achieved by moving the wheels outwards on the axles using included spacers.

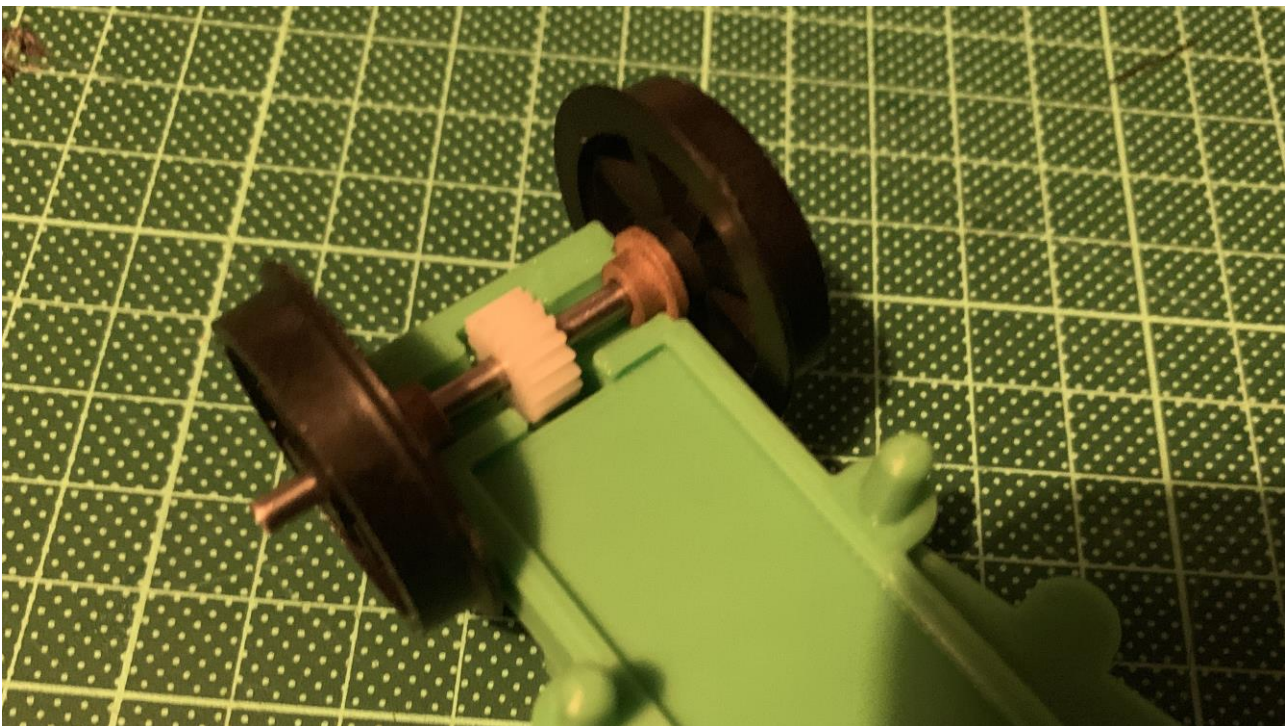
About the Kit

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

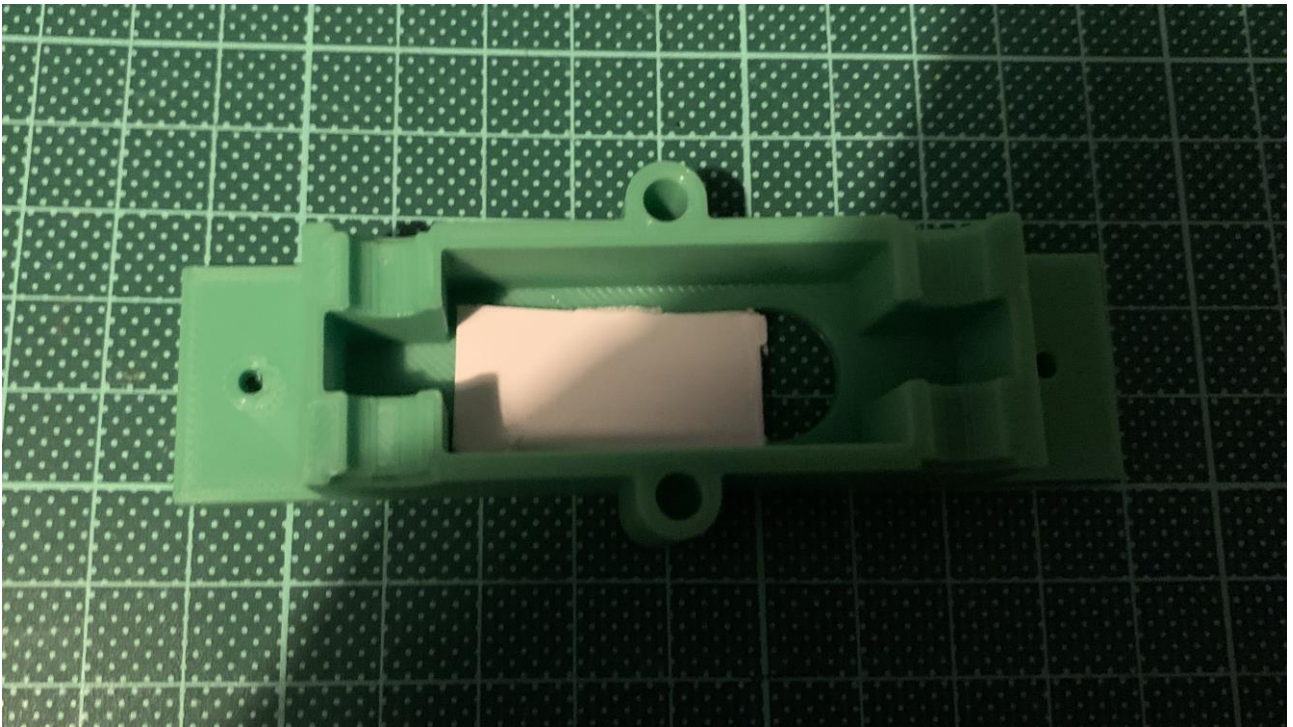
Please Turn over



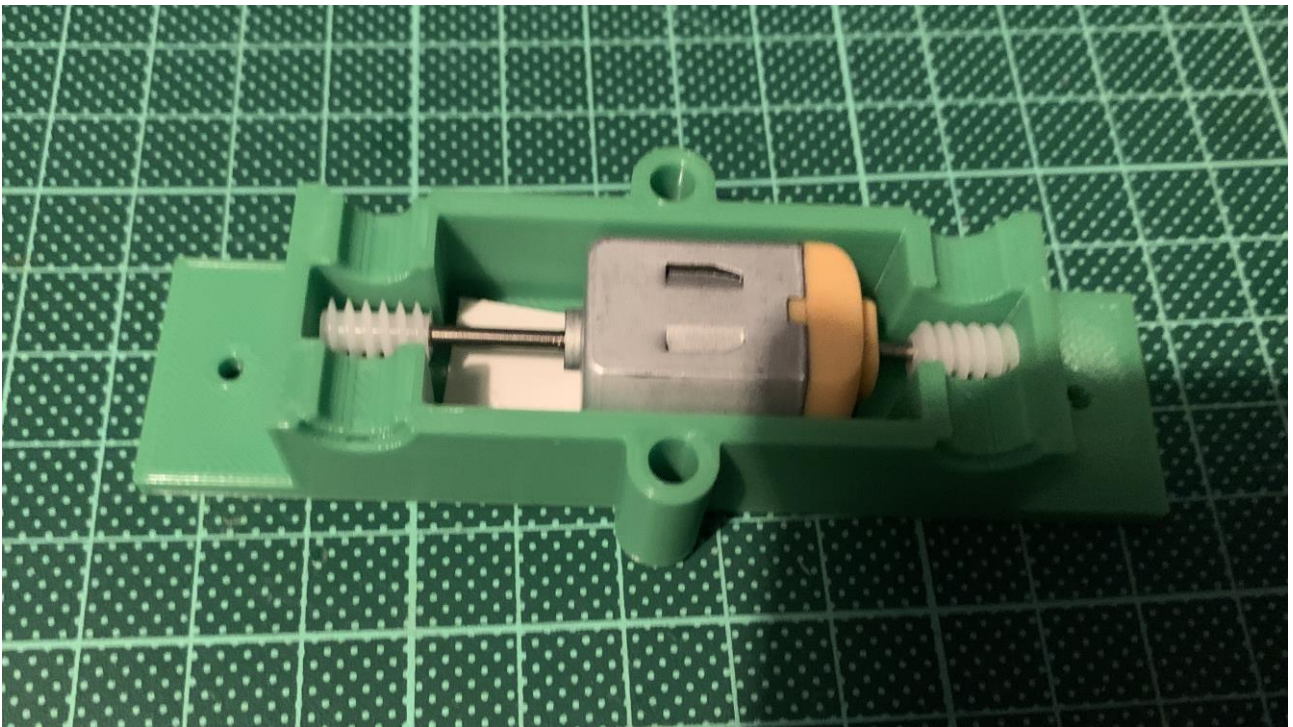
Start by sliding the gears onto the axles. These are a tight fit and will require a little force to slide in place. We recommend using the chassis block to ensure it is in the middle of the axle.



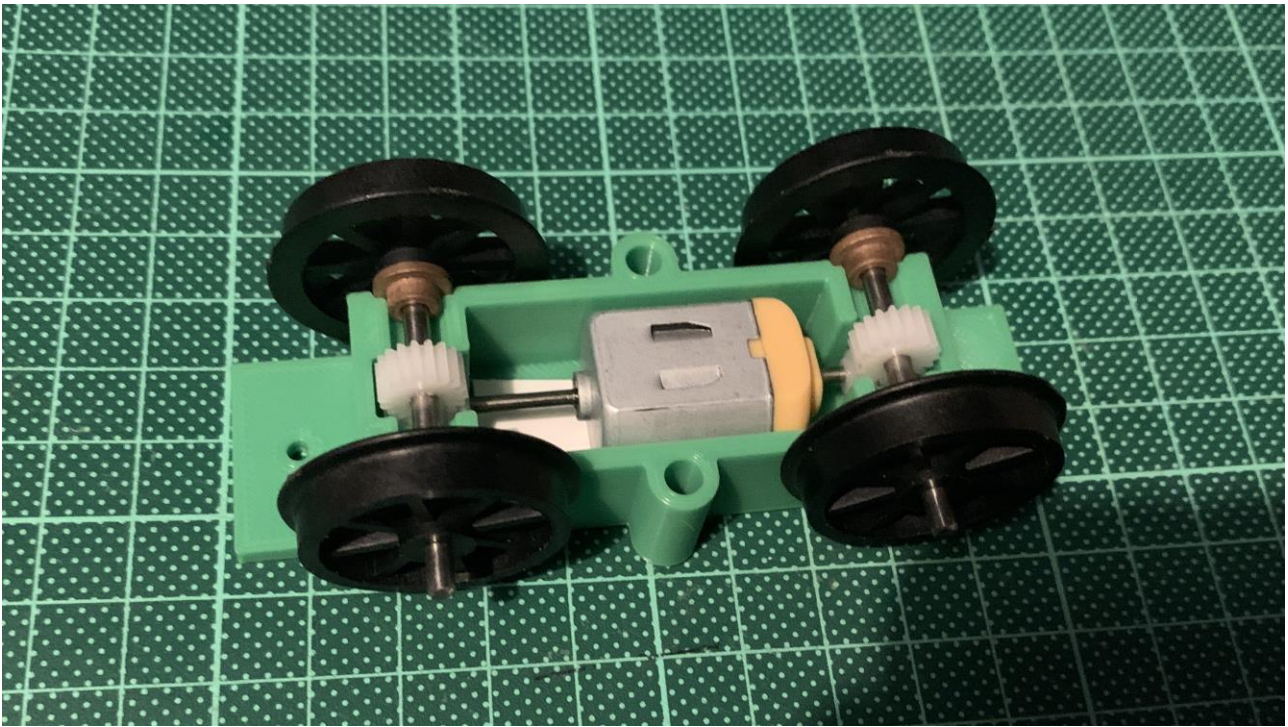
Next assemble the axles. They are formed of 2 wheels, two bearings and two spacers (45mm gauge only) which slide into place. We recommend using Loctite to fix the wheels in place using the back to back of the supplied parts. The assembly for 32mm gauge is: Wheel, Bearing, Gear, Bearing, Wheel. The assembly for 45mm gauge is Wheel, spacer, bearing, gear, bearing, spacer, wheel. The spacer is a small cylinder with a hole through the middle of it.



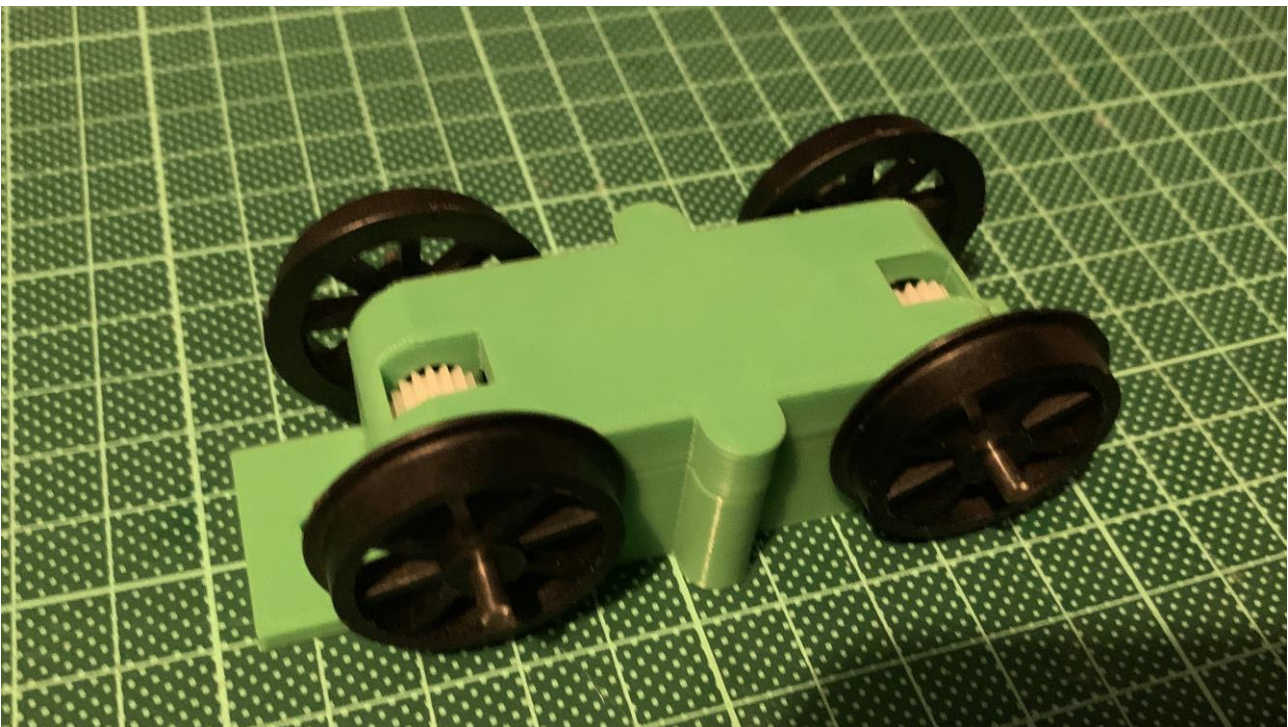
The Motor can be installed next. Use a thin piece of card placed on the top of the motor housing to gently press the motor into place. We don't recommend gluing it in place until the gear mesh has been checked and it runs freely. Then you can glue it in place. The way you can tell the gearing is correct is the wheels will not turn when the chassis is held together.



The motor then slots into the slot with the electrical tabs at the end with the large hole in which will be the top when assembled.

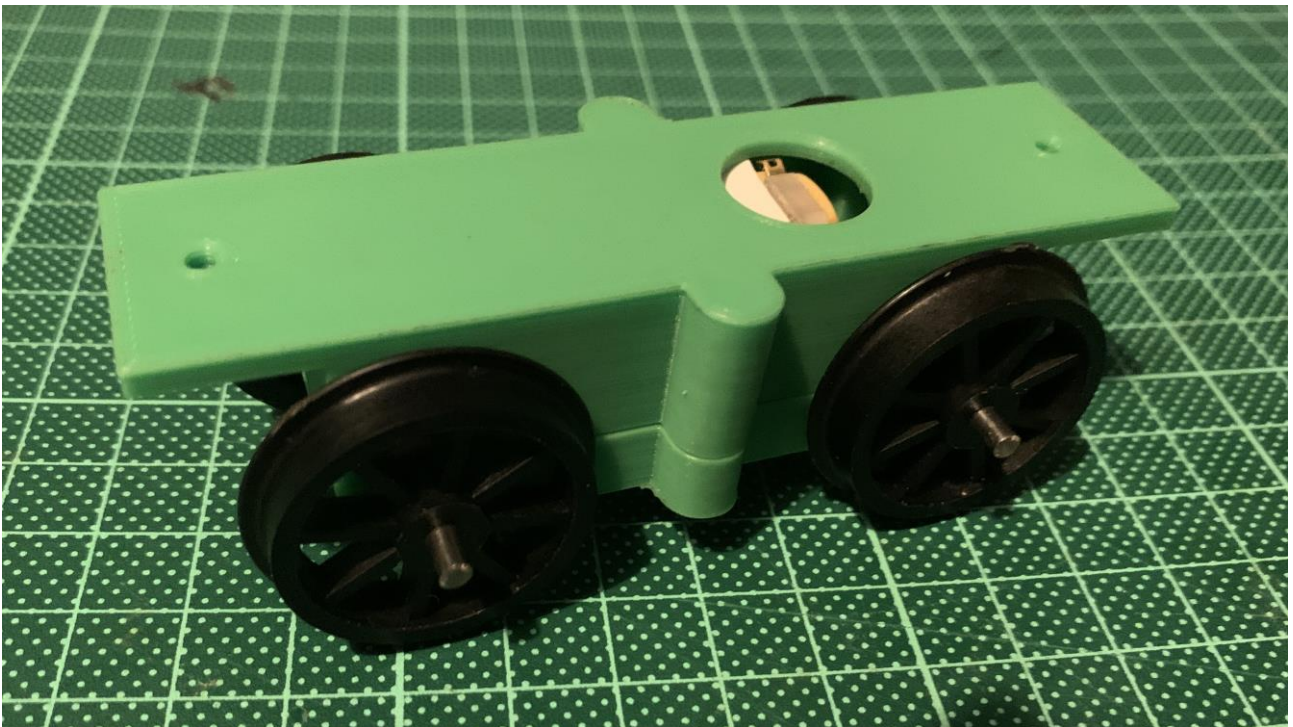


Now insert the axles into place making sure the bearings sit in the notches on the bearing sides.



Now slot the bottom piece onto the chassis unit. To test the unit, apply power to the motor while holding the unit together to ensure the wheels turn correctly. Once its been confirmed all is well, the card piece and chassis halves can be glued together ready for running in. It is recommended you run the chassis for 30 minutes in each direction for your first running in. The chassis will run smoother the more it is run.

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

We thank you for your custom.