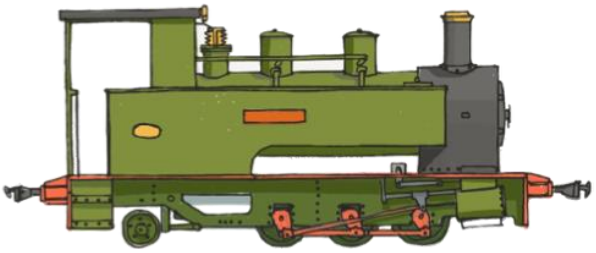
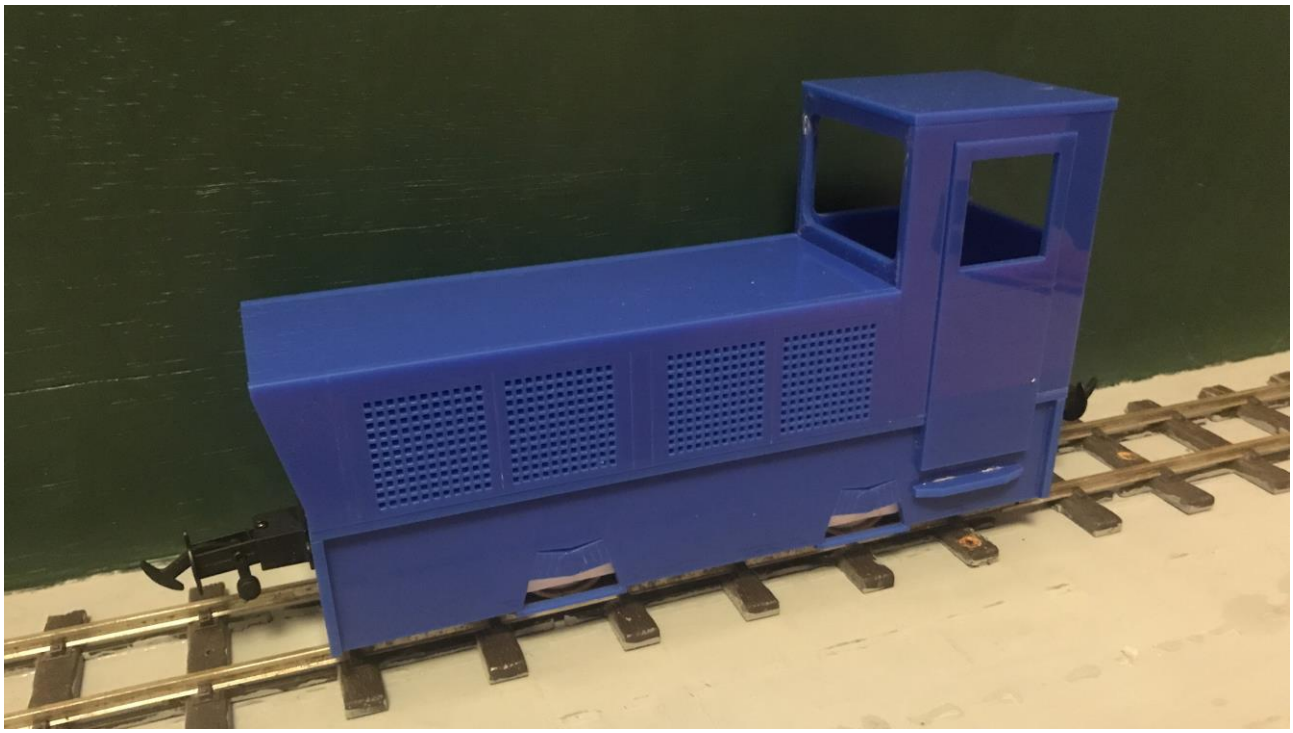
Bowaters
MODELS
specialising in distinctive 16mm models



Bowaters Models – BME-008 Instructions



Requires

- Glazing Material

Required Tools

- Fine Sandpaper/Emery paper or boards
- Small Files
- PVA Glue
- Super Glue
- Sharp Craft Knife

Version 1.0

Prototype Information

These engines were originally built for the Jubilee line extension on the 2ft 6-inch gauge lines used to build the tunnels. When these were finished, a number became available for further purchase of which at least two were brought by the Welsh Highland Heritage Railway. Emma is currently operational and the focus of the kit. Kathy is currently being worked on.

About the Kit

The kit is a plastic kit comprising of a set of laser cut acrylic parts and 3D printed sections.

Chassis Fitting

This kit is designed for a Bowaters Models Chassis which is included as part of your kit. This is assembled as per the instructions. Make sure the chassis works in the way you intend it before fitting to the chassis. Note, this kit is designed for either Manual control using switches (single speed) or using full Radio Control for which space has been left within the model.

Couplings

This kit is designed to make use of the Accucraft Chopper Couplings. These are glued onto the buffer beams using superglue. We strongly recommend using superglue to attach them. Height wise, these should be 25mm from the centre of the coupling plate to the railhead.

Instruction notes

With these instructions, there are images which show various stages of the construction of the kit. They are of the Prototype for BME-008 which isn't representative of the kit you have brought. They are for reference purposes only.

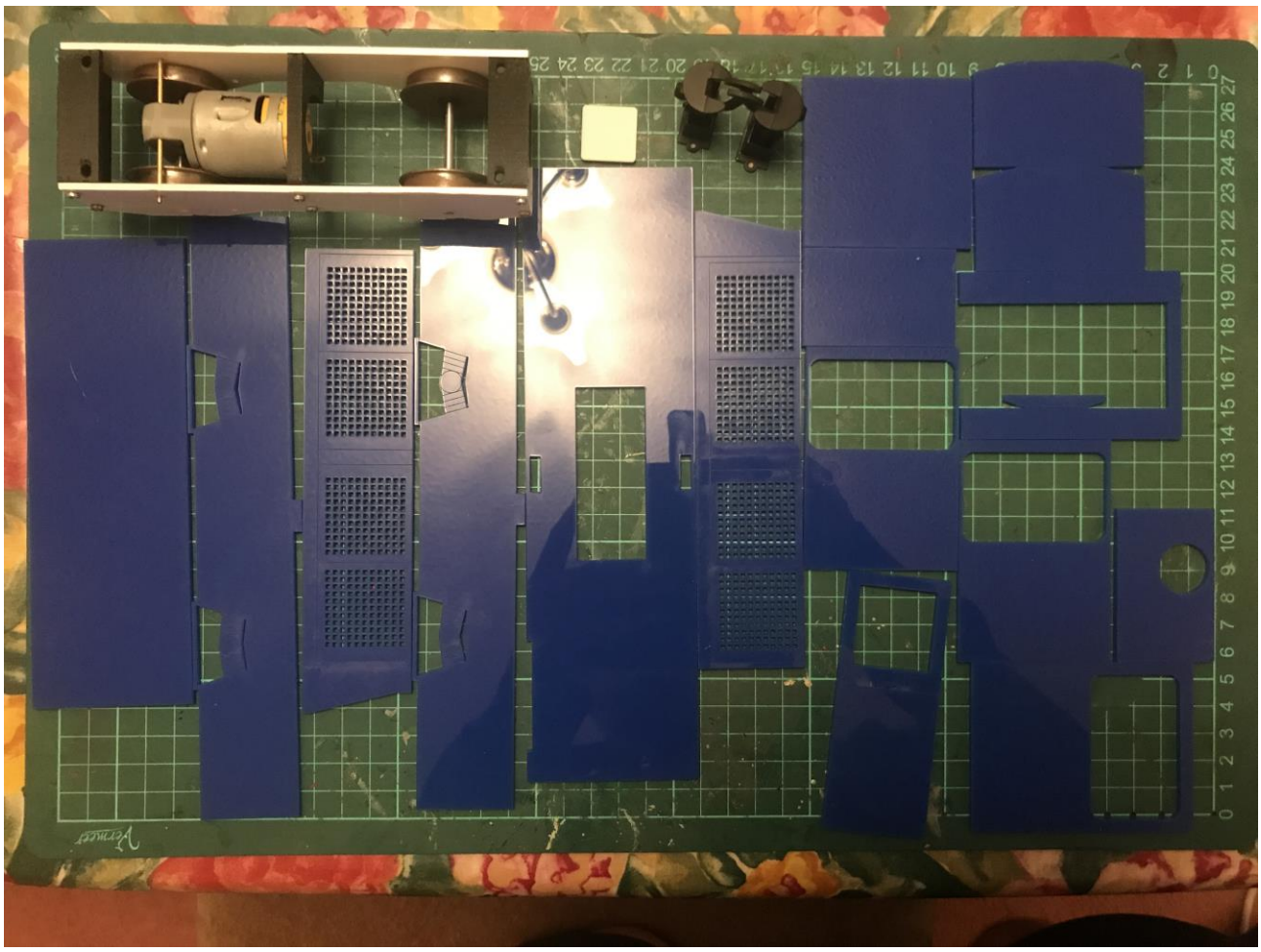
Painting

Over their service, these engines have carried several liveries from bright yellow, to all over green and others. It is recommended you choose your prototype and paint it appropriately. As this kit is modelled on Emma at the WHHR, the recommended colour scheme is-

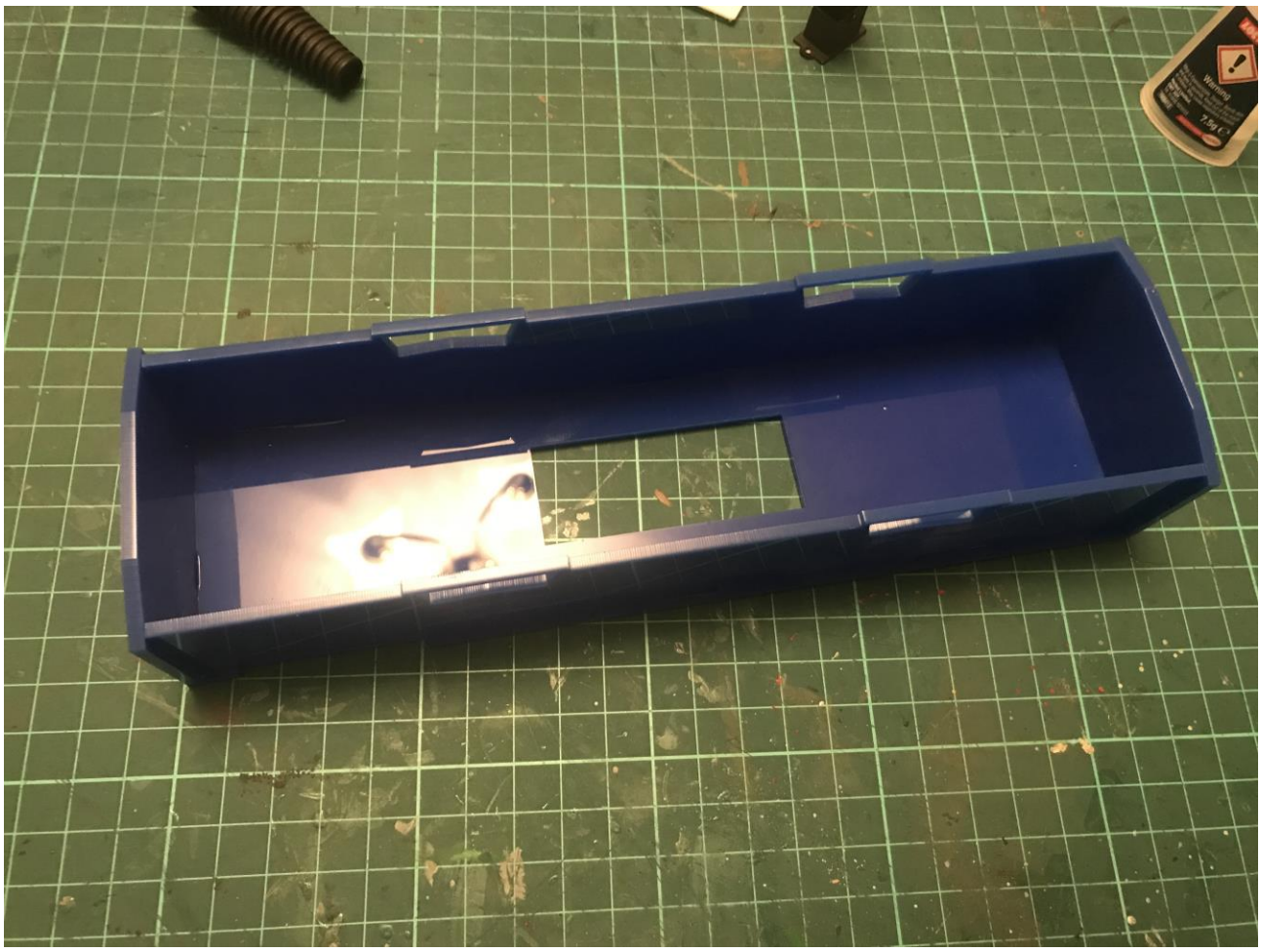
- All over Navy Blue with red bufferbeams.
- All over white

Please Turn over

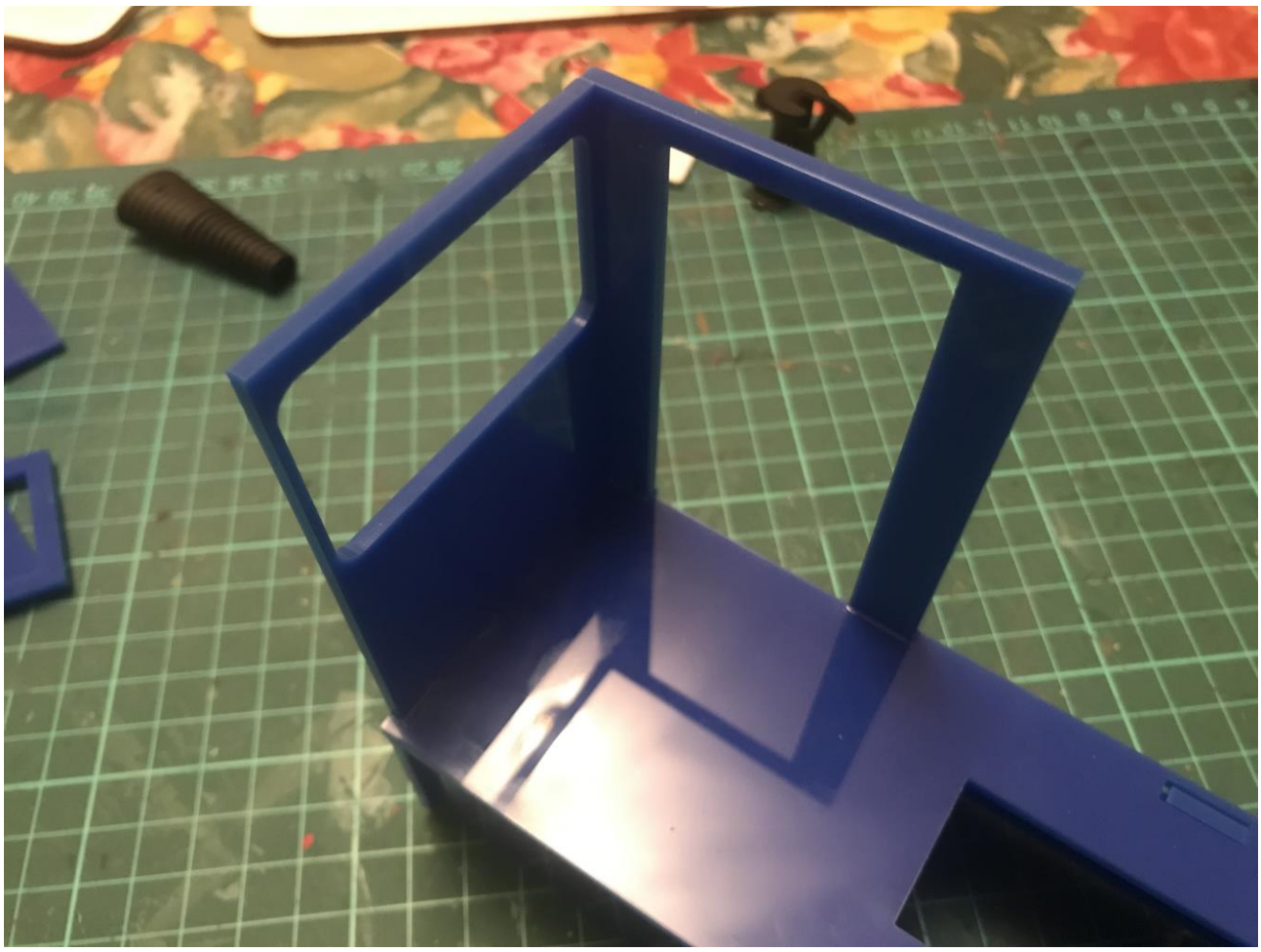
Please read though these instructions before beginning to assemble your kit



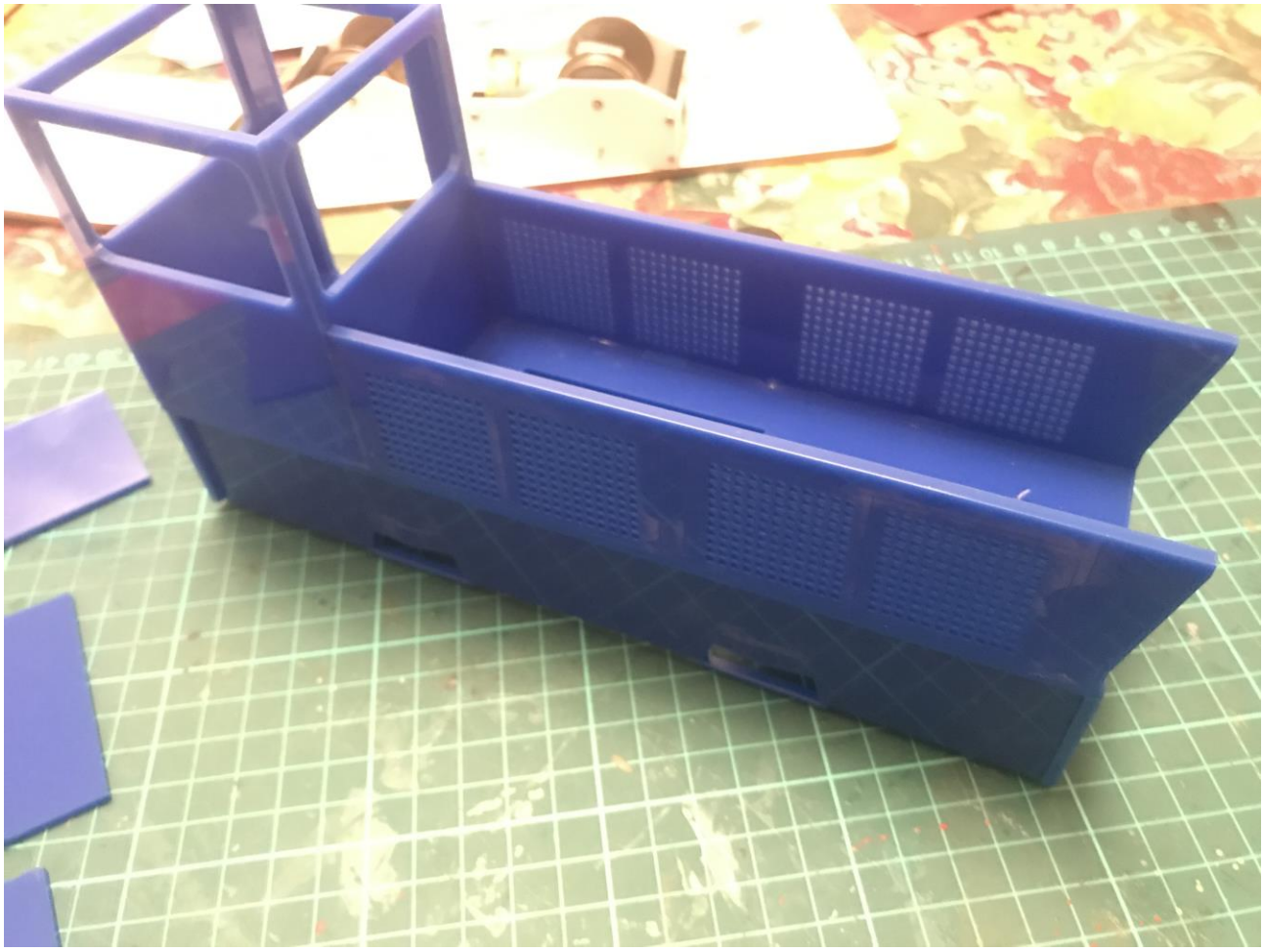
Start by checking you have all the components needed to start the model. The chassis instructions follow on from this.



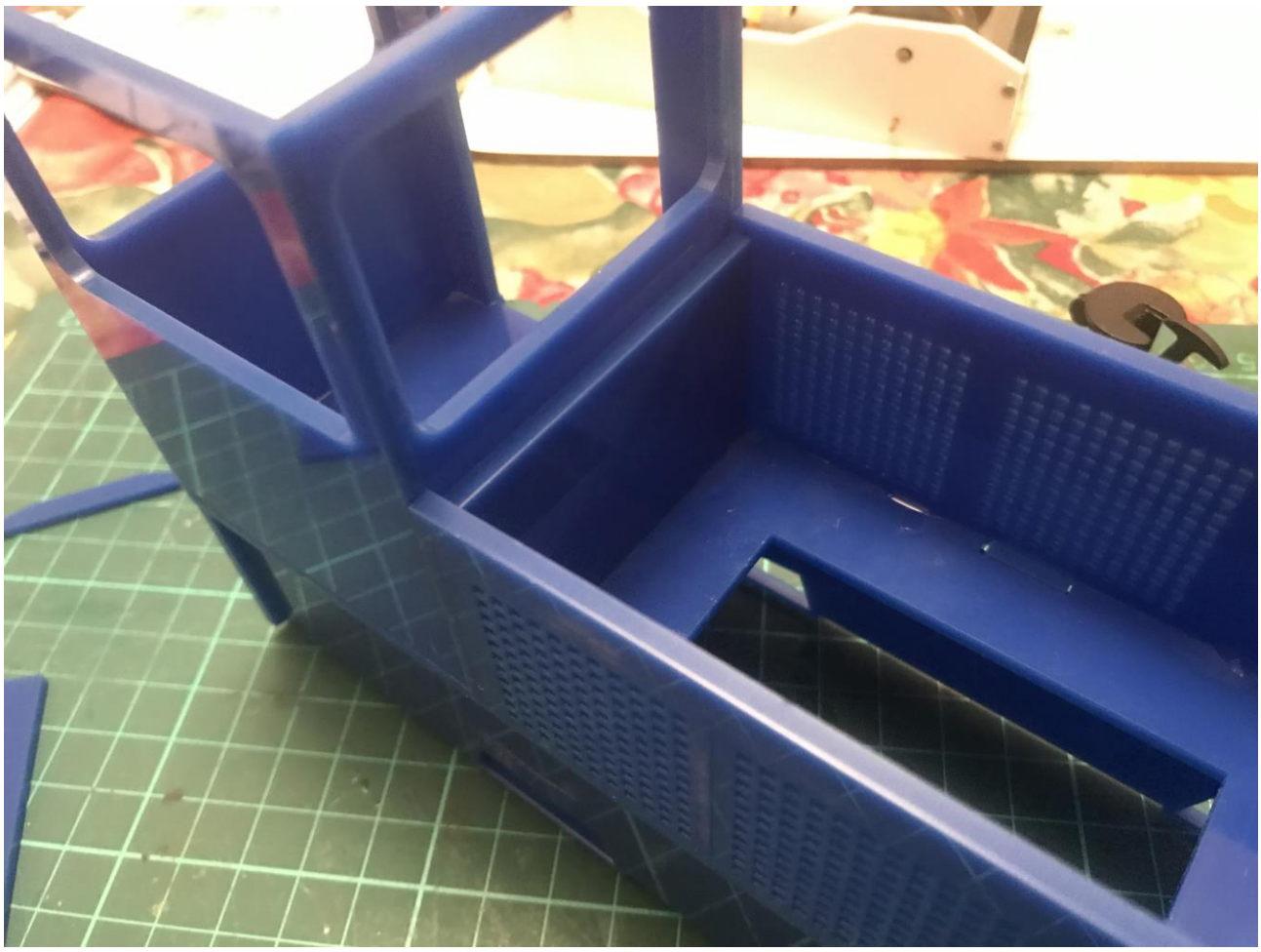
Start by gluing the bufferbeams and chassis sides on the chassis plate. There is a set direction for the chassis plate to face with the cab cutout is meant to sit on the left hand side of the chassis once the right way up.



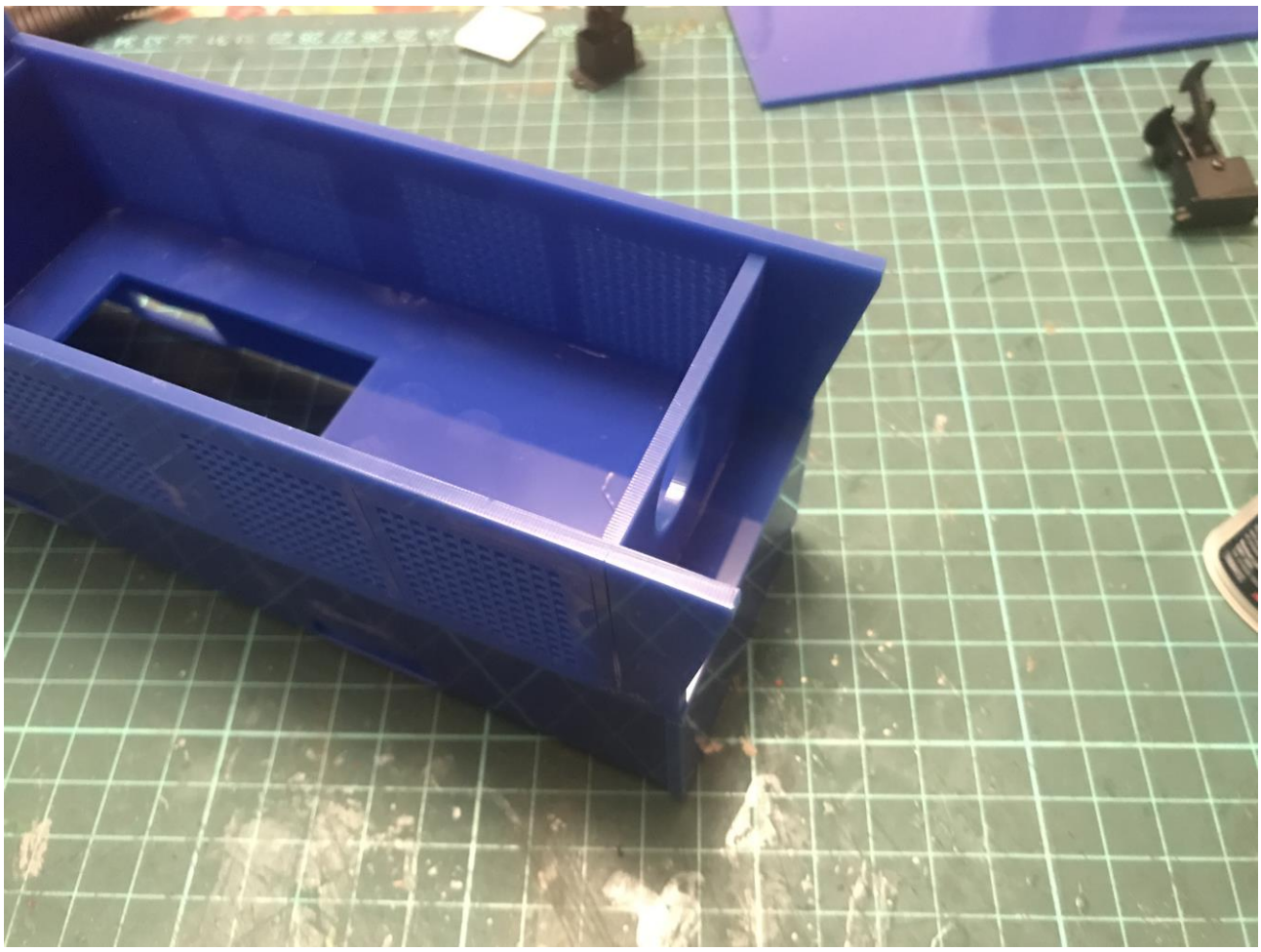
With the chassis flipped over, start on the cab. Glue the cab rear (features a laser cut light) along with the door opening. Then glue on the other two sides on to complete the cab.



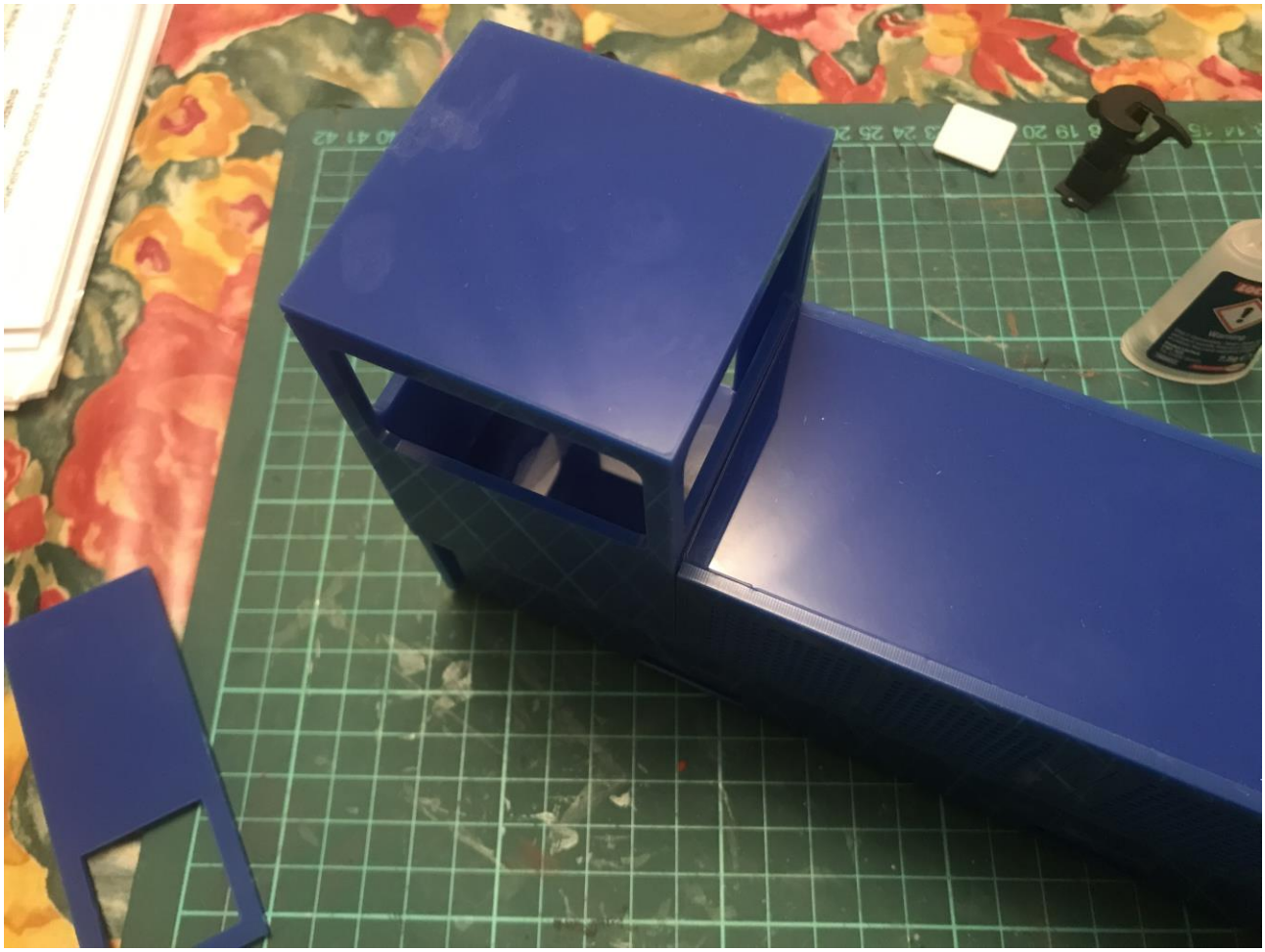
Now glue on the bonnet sides to the front of the model.



Now glue in the rear bonnet top support.



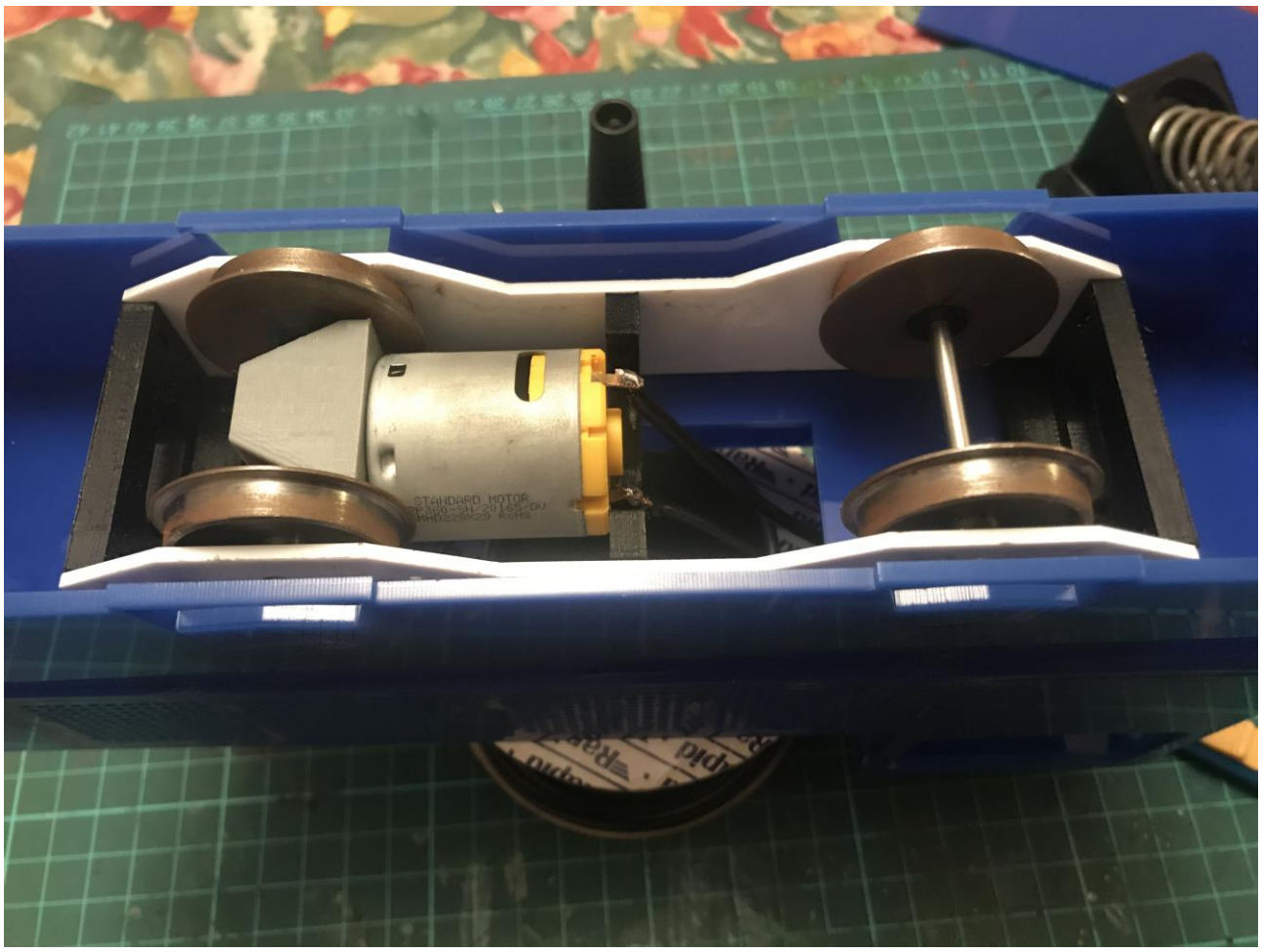
Now glue in the front spacer. This one has a cut out for the radiator on the front. The bonnet is a slot in placement and should slide in and out with ease.



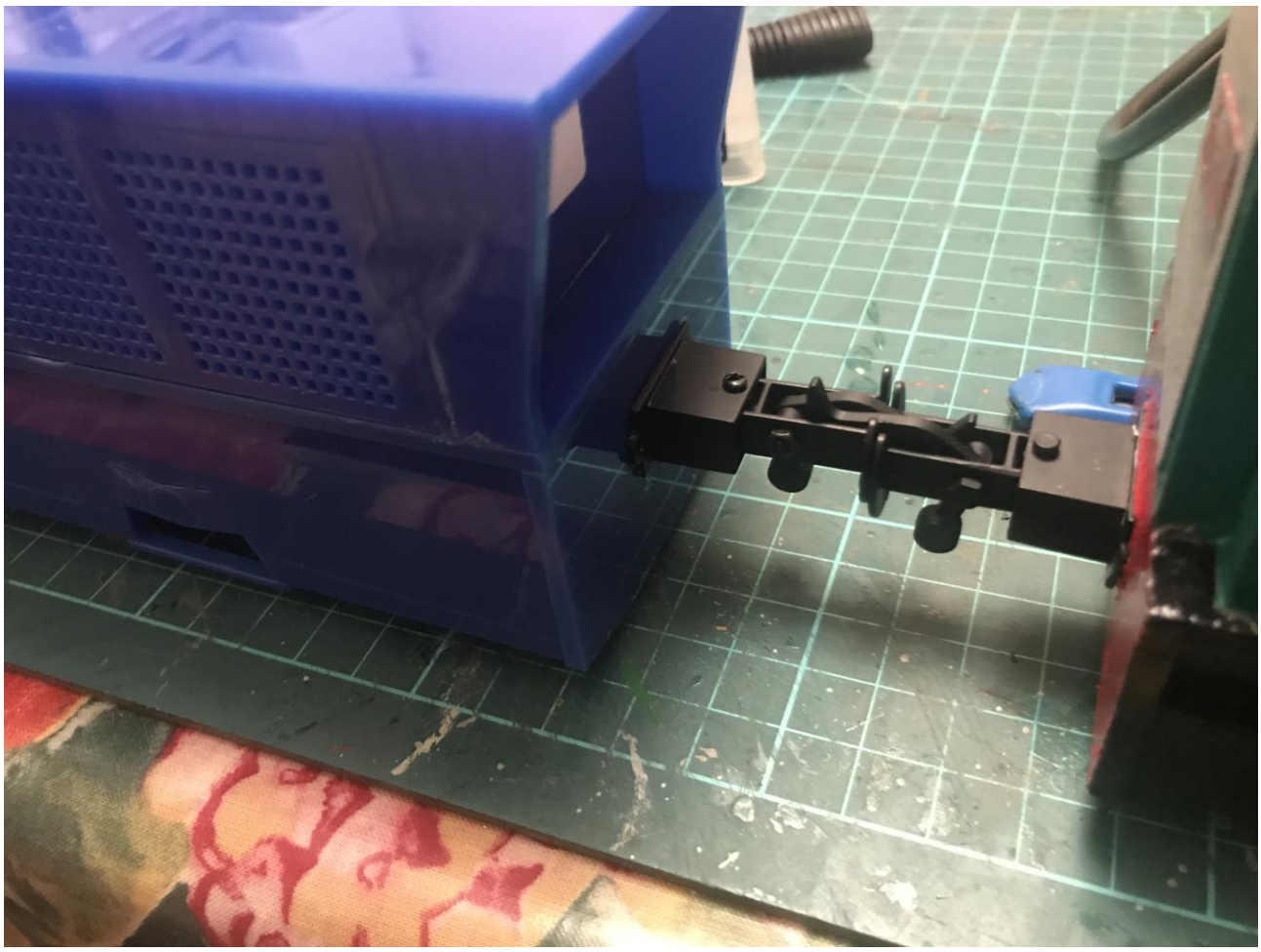
Now glue on the cab roof.

Now glue on the radiator cover. Note yours will be much bigger than on the prototype.

Now glue on the door and cab step.

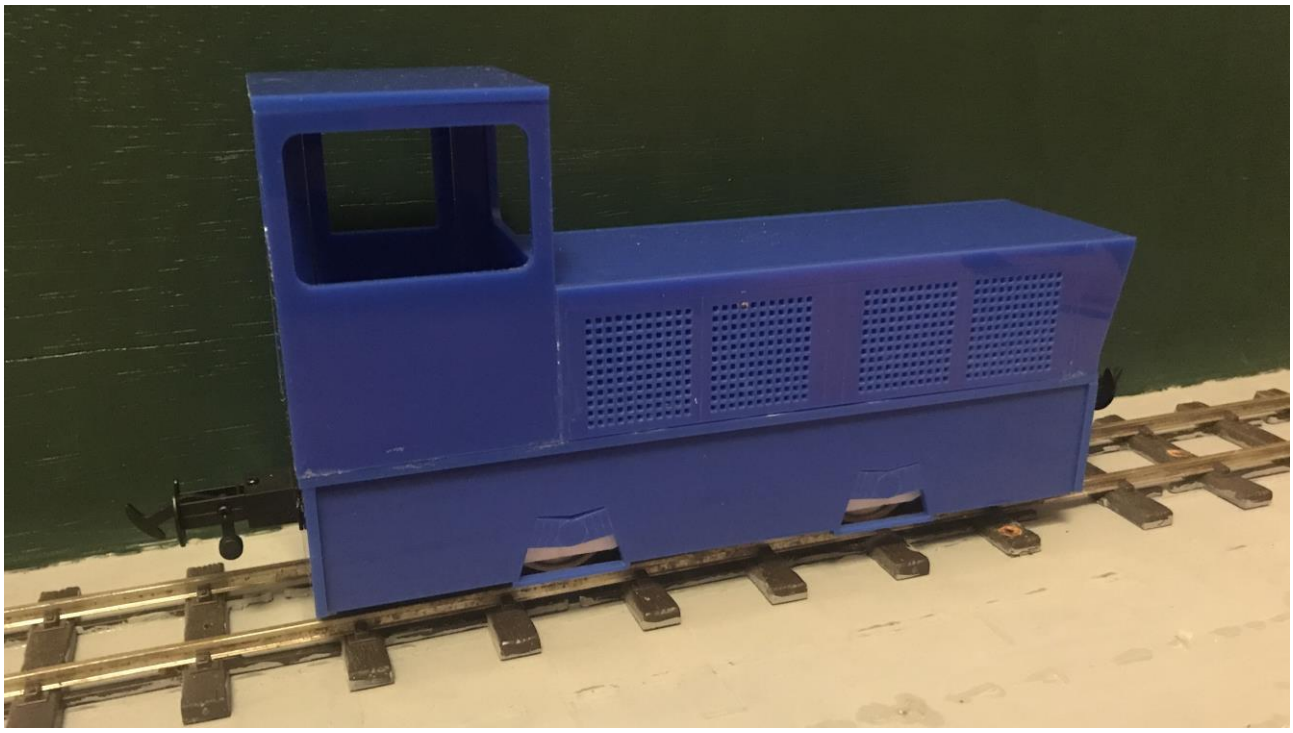


Now glue in the chassis. The wiring goes though the bottom into the bonnet.



Now attach the couplings. We recommend using existing stock to get the heights correct for your railway.

Your model 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.

Chassis Instructions

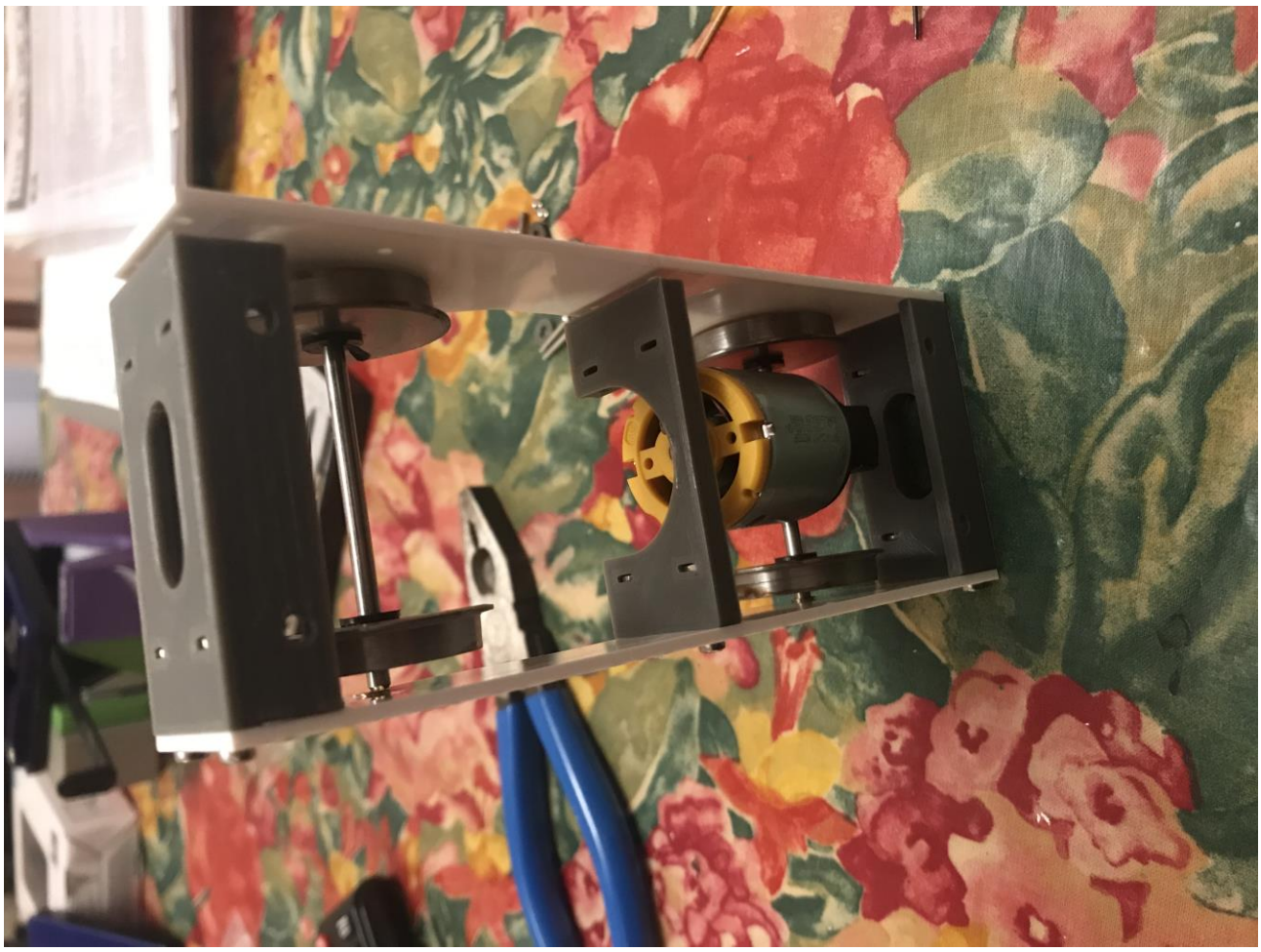
Start by laying out all the chassis parts to ensure you have everything.

Start by placing the bearings with the chassis sides. You may need to open these out using a 4mm drill bit.

Next assemble the driving wheel set. The cog goes into the middle of the chassis inside the gearbox housing. The axle will need cutting down if running on 32mm gauge (45mm gauge version shown). This should be done once the chassis has been test assembled to know you have the right dimensions. It is at this time you will want to add the gears for the 4w drive system while assembling the wheelsets. The drive gear sits inside one of the wheels on each side and there is one per wheelset.

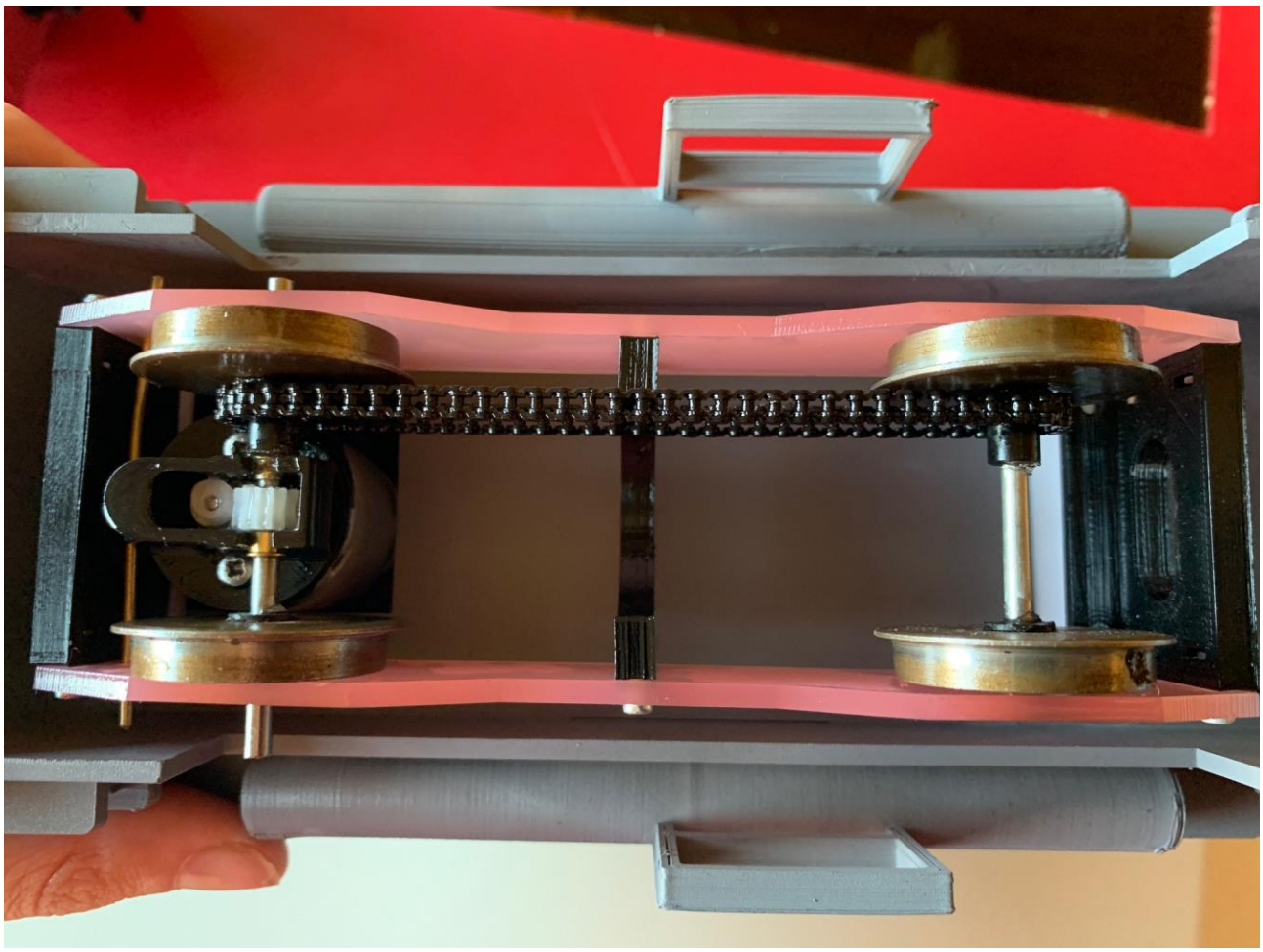
Start inserting the chassis spacers starting at one end and working your way along the chassis. Shown is the old style of chassis with 2 wheel drive. On the newer 4w drive models, it is recommended that you turn the two end spacers so that the mounting holes are on the outsides of the chassis ends.

All 3 spacers shown on the chassis.



Now insert the wheelsets and the other chassis plate so you have a complete chassis.

Now insert the retaining wire so your motor is held in place and won't move. Shown above is the 2 wheel drive chassis. The 4 wheel drive chassis has the motor mounted vertically with the fixing holes on the very end of the chassis.



For the 4 wheel drive system, there is a cog on each wheel which sits on the inside of the wheels between the gears and one of the wheels. The chain runs between the two wheel sets and should be tight for maximum haulage ability