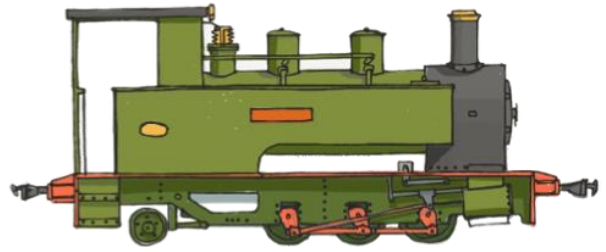


Bowaters

MODELS

specialising in distinctive 16mm models



Bowaters Models – BMGW Series Instructions

LSWR/LBSCR Brake Van



Requires

- Slaters Plasticard 1:32 Wagon Wheels
- Walshall Engineering 3 Link Couplings

Required Tools

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

Prototype Information

These and similar brake vans were used around the United Kingdom for a wide range of applications. The examples designed cover just two of the many versions that operated in the south of England.

About the Kit

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

Chassis Fitting

This kit is designed for the Bowaters Models Wagon Chassis. This is assembled as per the instructions.

Couplings

This kit is designed to make use of Walshall Engineering 3 Link Couplings which are to be mounted in the prototypical location.

Instruction notes

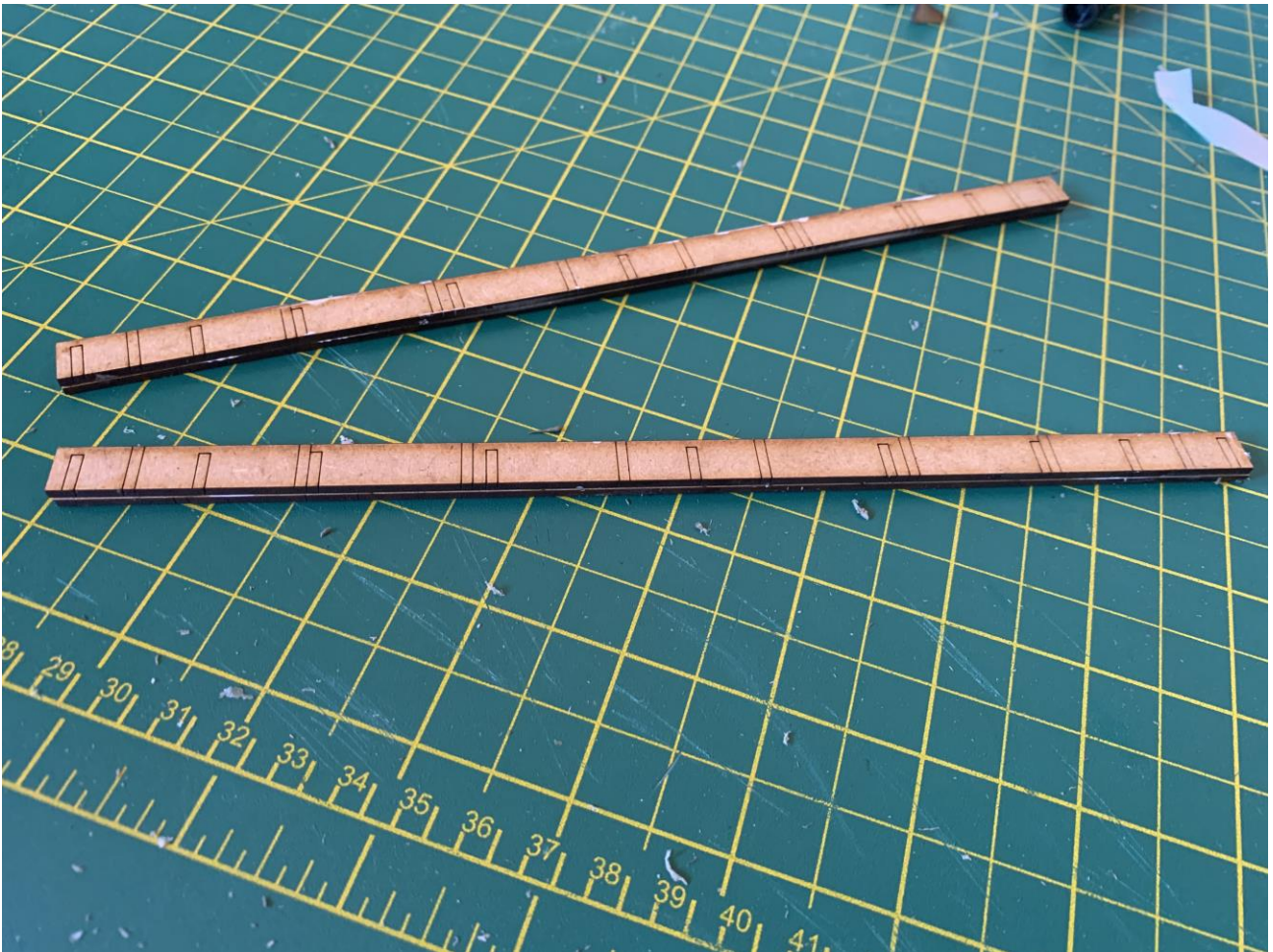
With these instructions, there are images which show various stages of the construction of one of the kits. They are of the Test build for BMGB-001 and BMGB-002 which isn't representative of the kit you have brought. They are for reference purposes only.

Painting

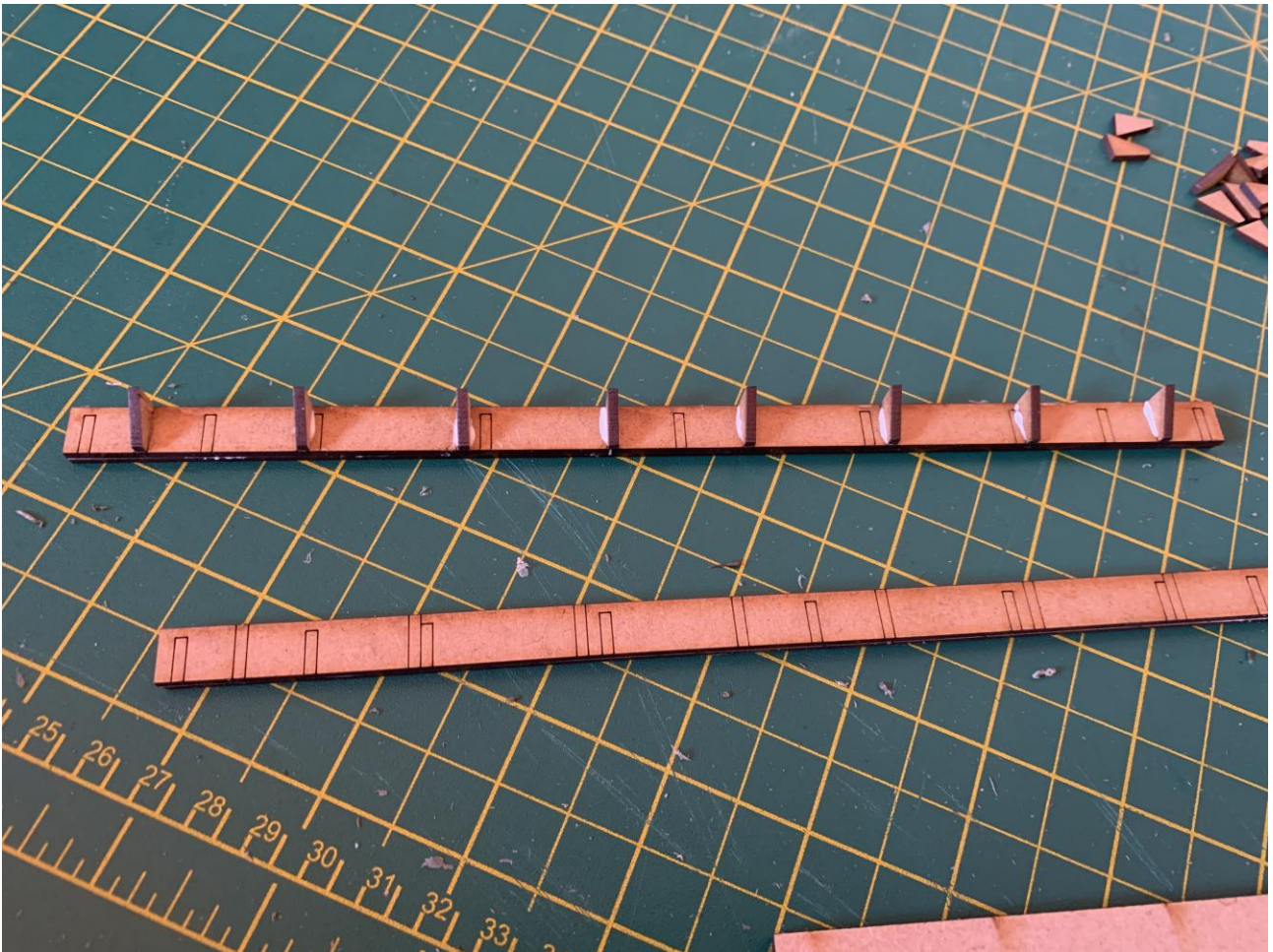
For painting, it is recommended you refer to prototype images to ensure the models are in the condition that you model (Pregrouping, Grouping or Nationalisation).

Please Turn over

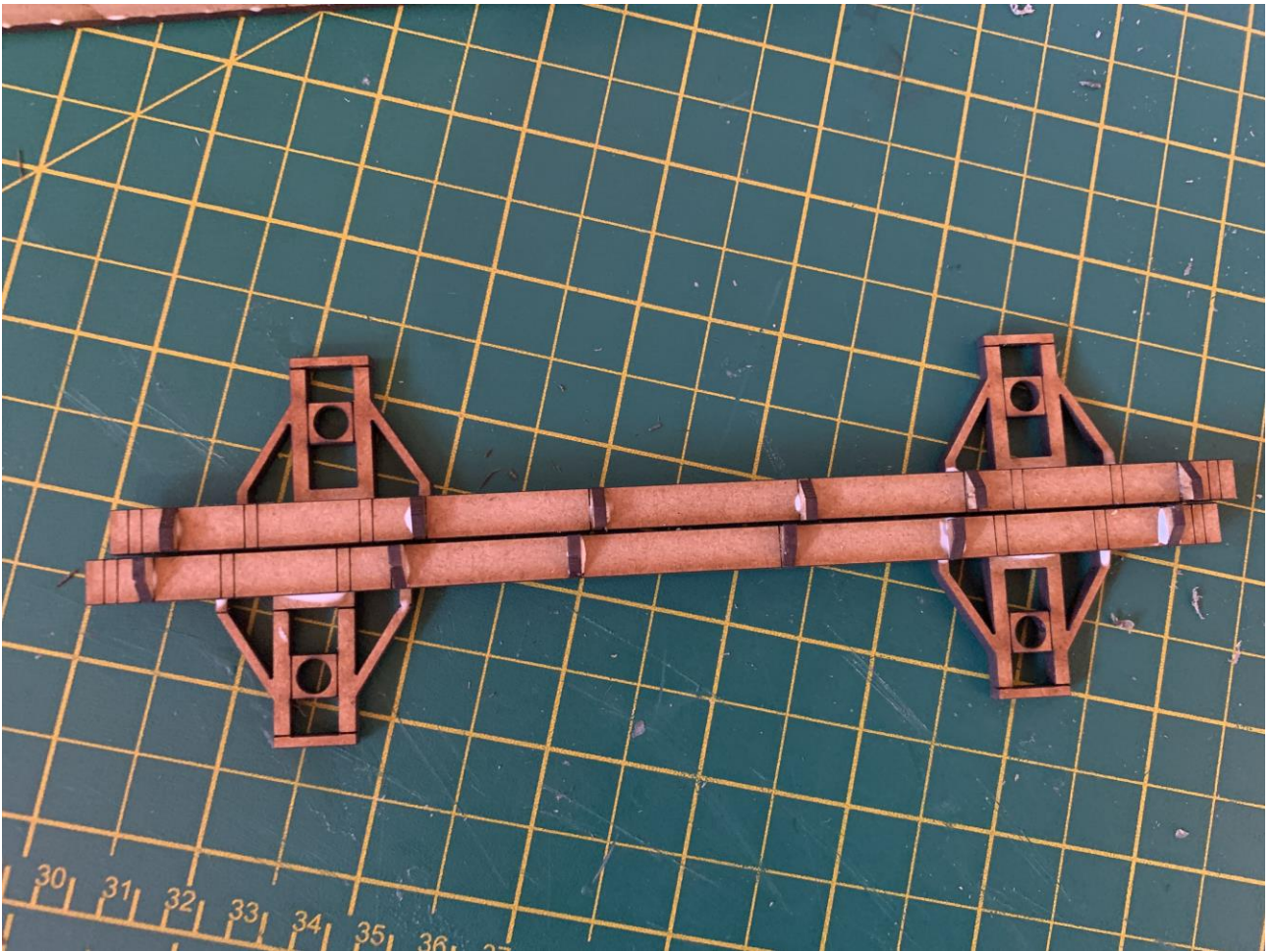
Please read though these instructions before beginning to assemble your
kit



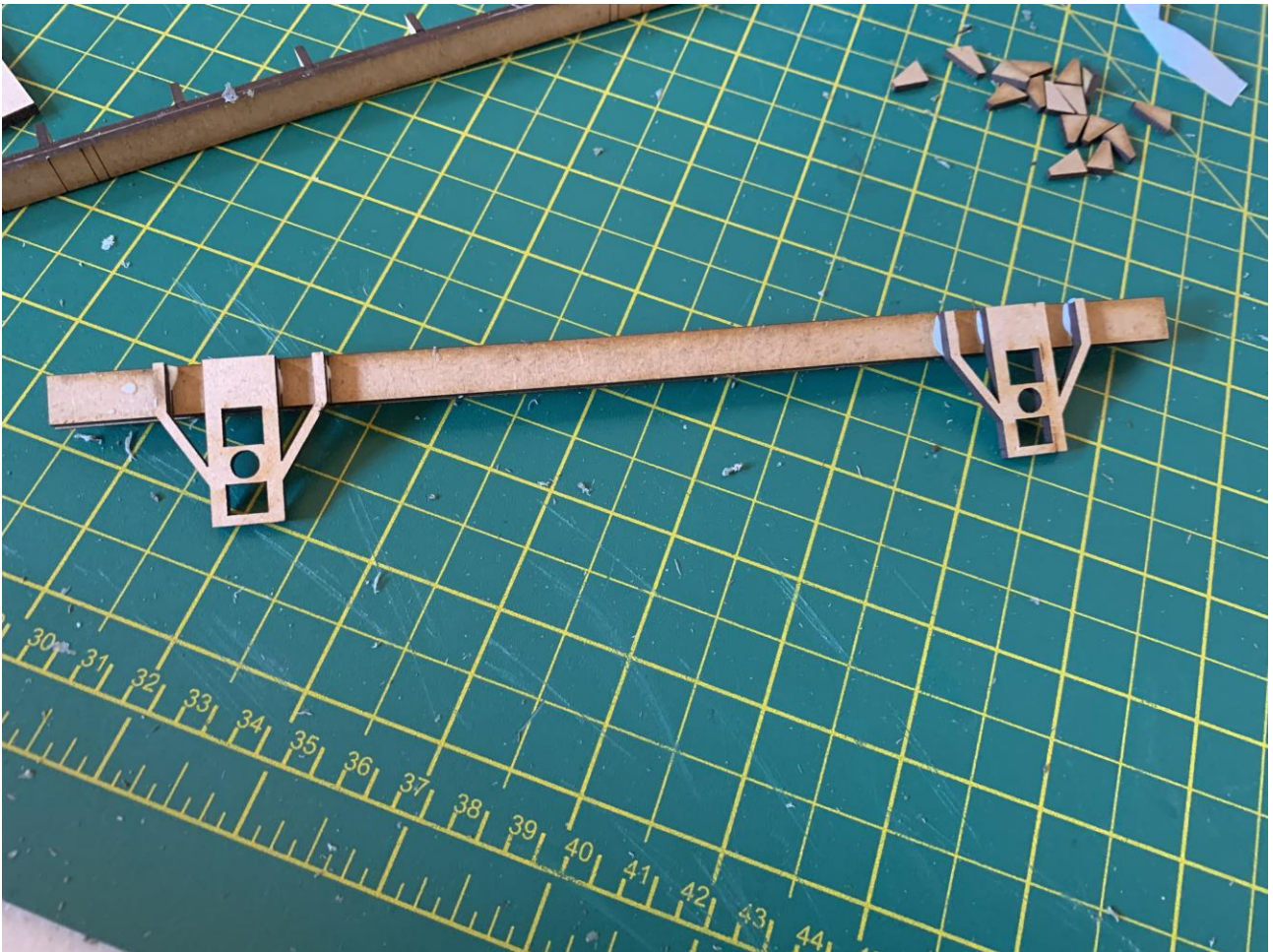
Start by assembling the side beams for the chassis. There are two pieces per beam which are glued back to back with the etched detailing on the outsides. Each side is different to the other.



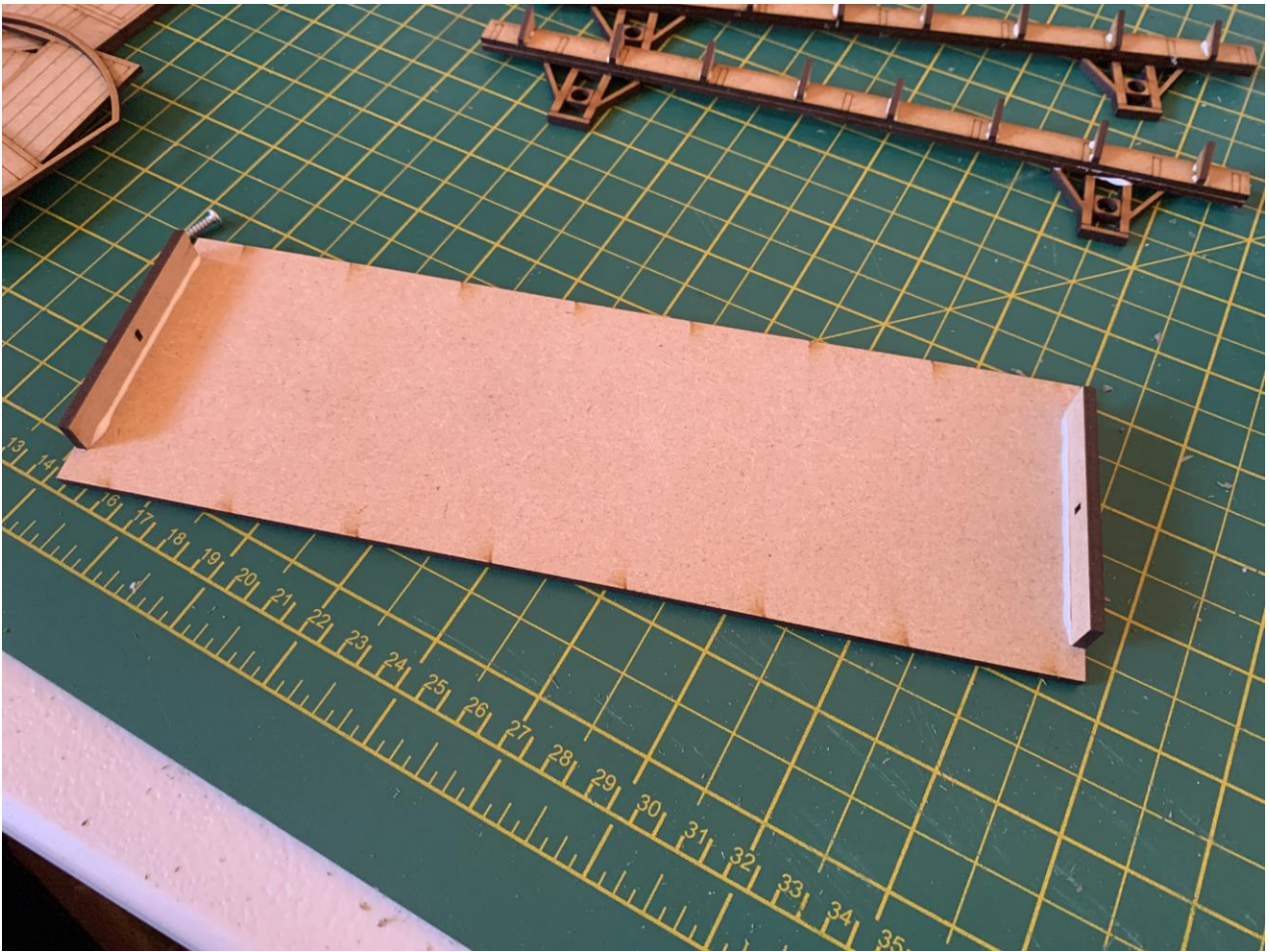
LBSCR Layout - To finish the side beams, glue the side pieces onto the side beams onto the etched detailing slots on the sides.



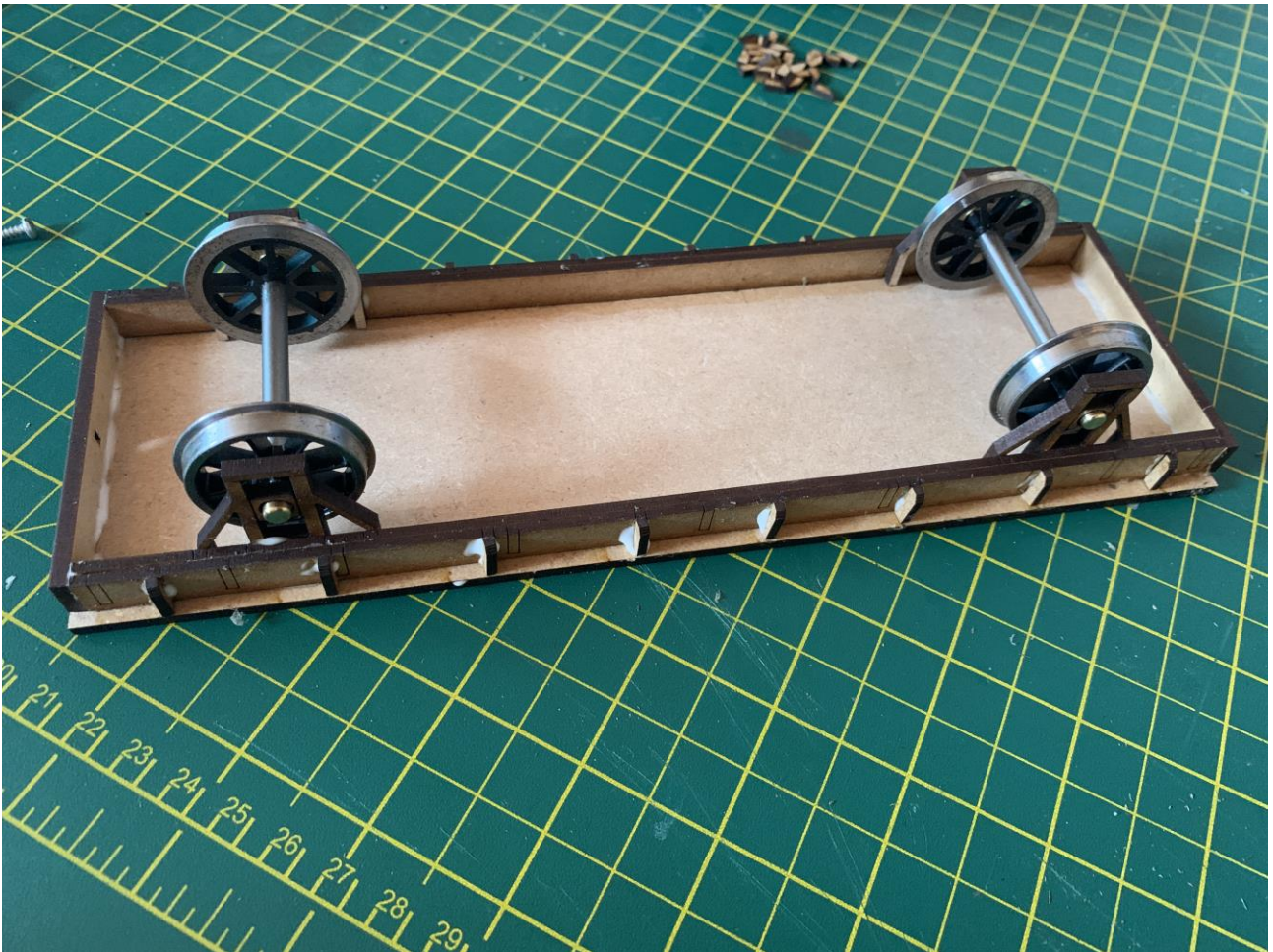
LSWR Layout - To finish the side beams, glue the side pieces onto the side beams onto the etched detailing slots on the sides.



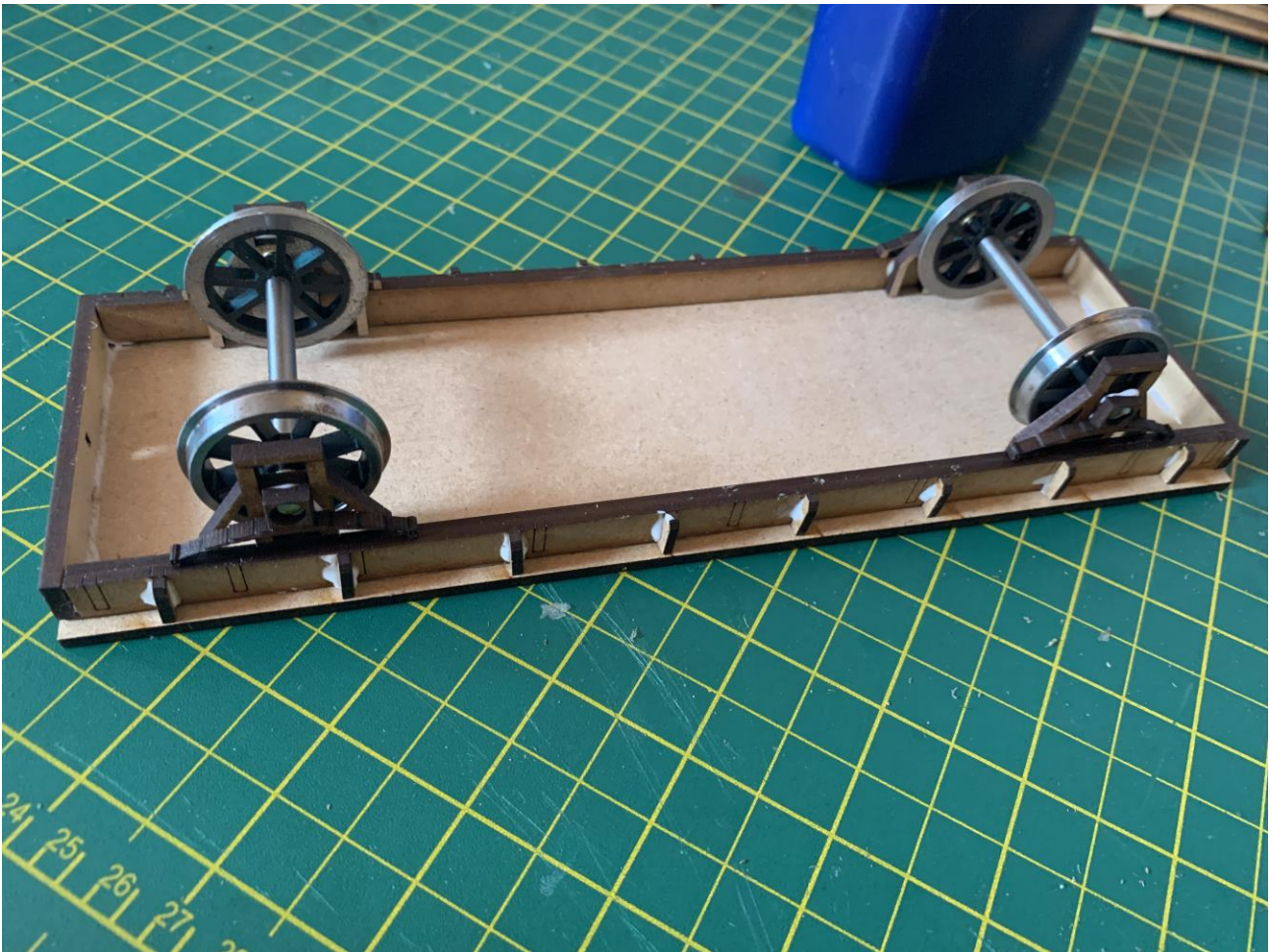
To start assembling the chassis by gluing the axleboxes onto the etched detailing on the rear of the side beams.



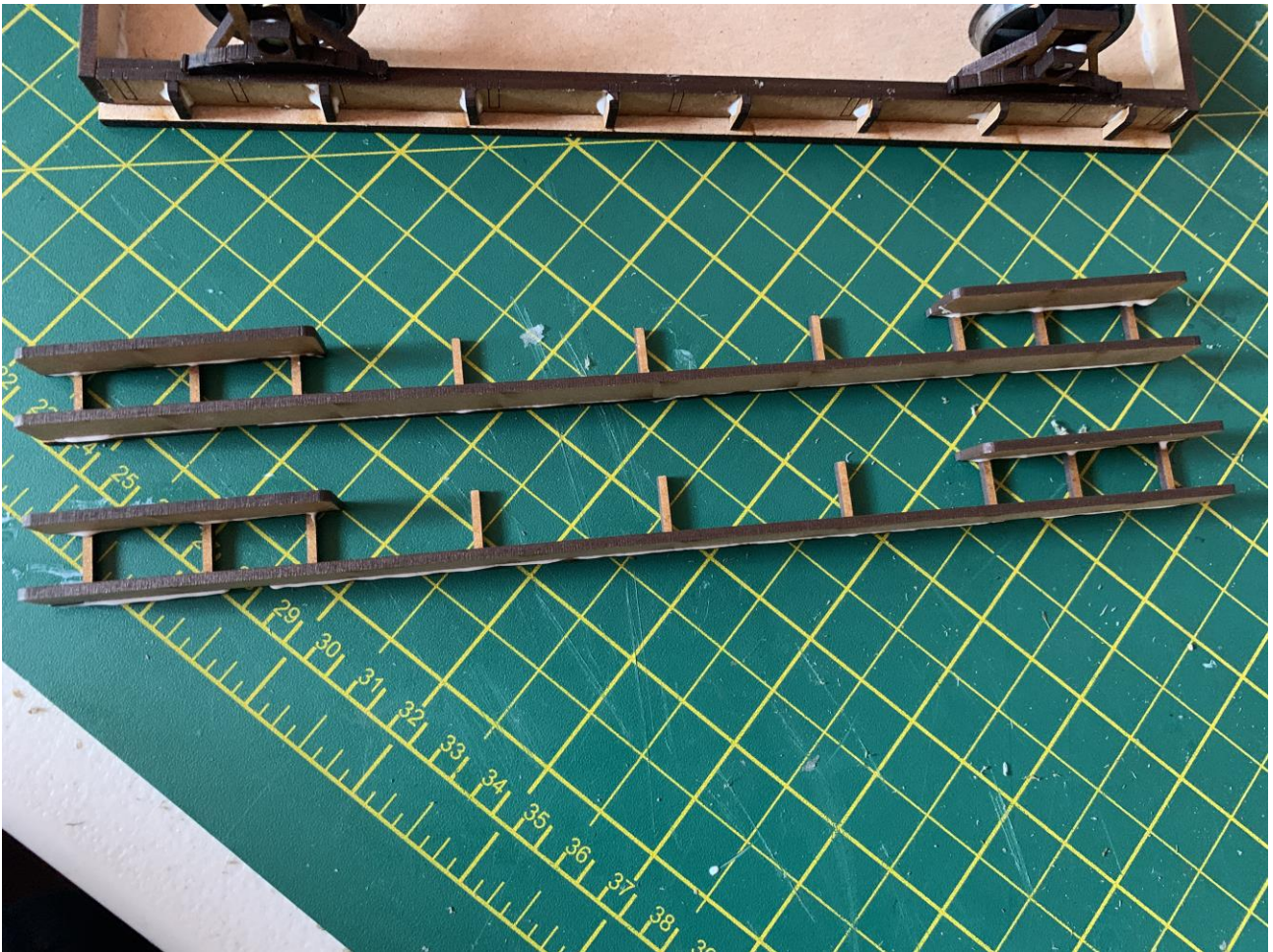
Next, glue the bufferbeams onto the ends of the chassis plates in the middle of the model.



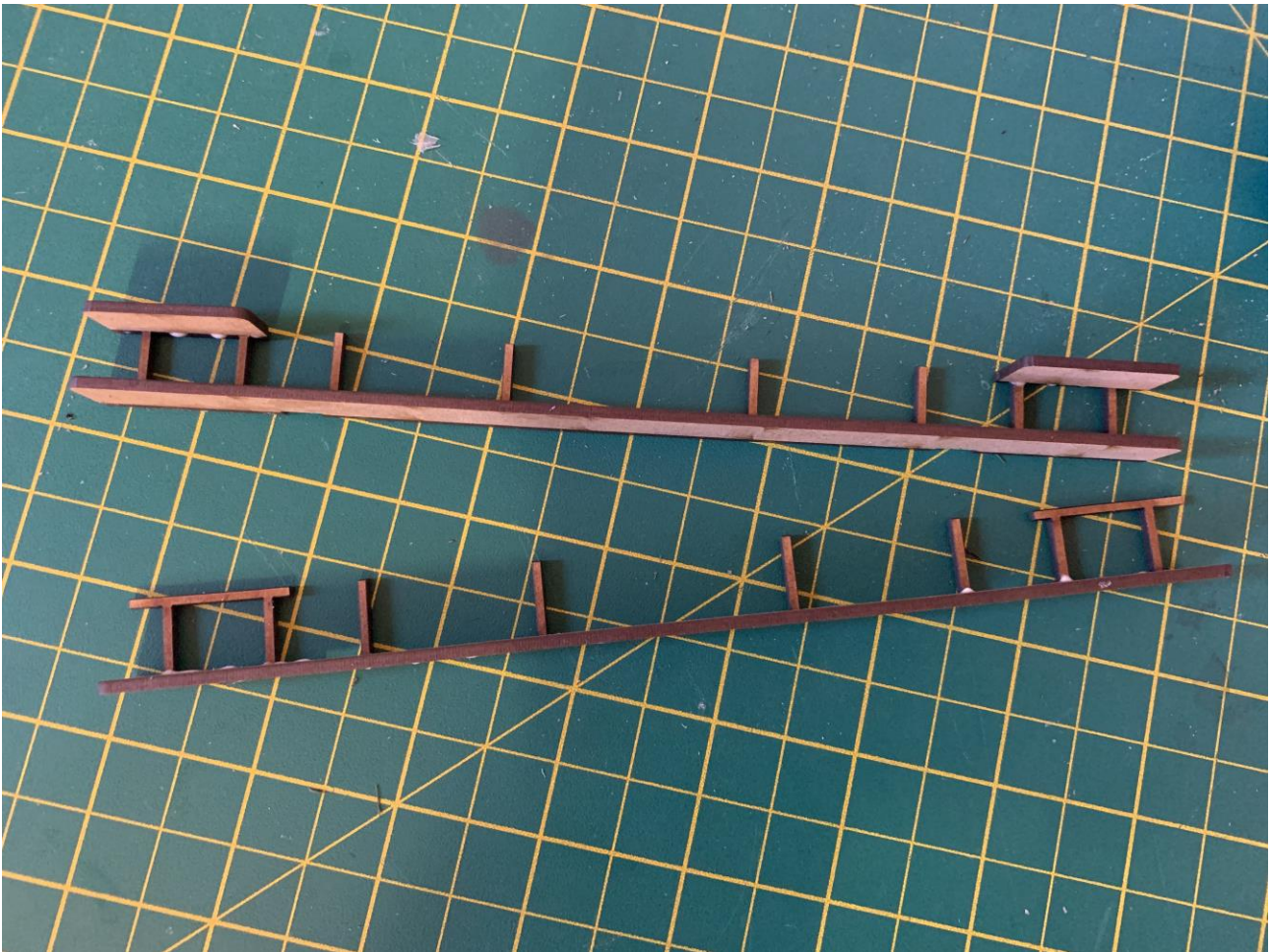
Then glue the chassis sides in place while inserting the wheelsets at the same time. This will produce a rolling chassis in a single step.



Next step is to glue on the spring detail. This sits on the outside of the axleboxes.



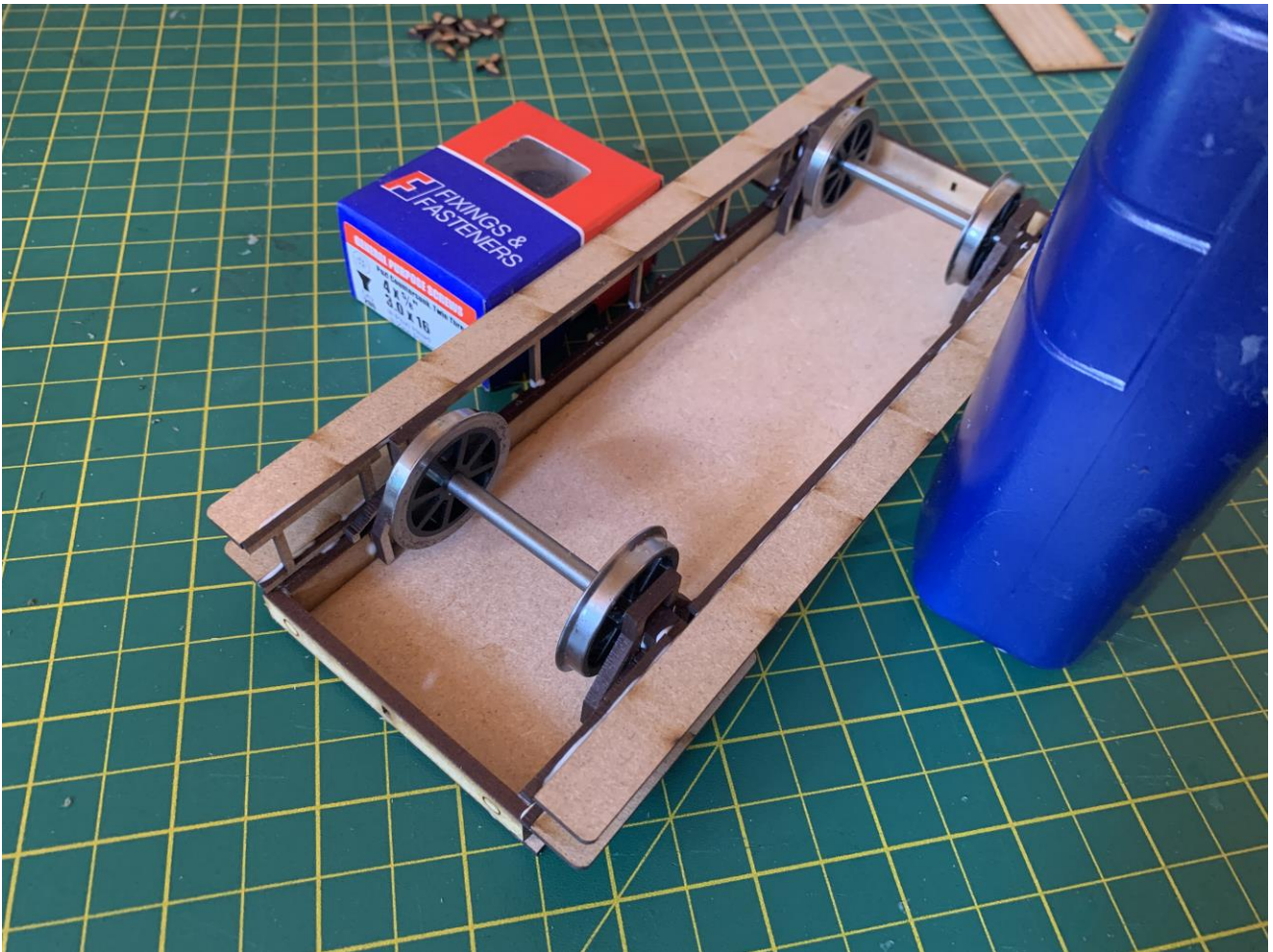
LBSCR - To assemble the footsteps, glue the smaller footsteps onto the top of the step sides and the longer steps on the bottom of the footsteps.



LSWR – These follow the same layout as the LBSCR brake van however the footboard sides are formed of 3 parts. These are laid out using the bottom footboard's cut out to enable all the parts to be placed in the correct locations.



Next, glue on the axlebox covers onto the outside of the axleboxes.



To finish the chassis construction, glue on the footsteps onto the bottom of the chassis.



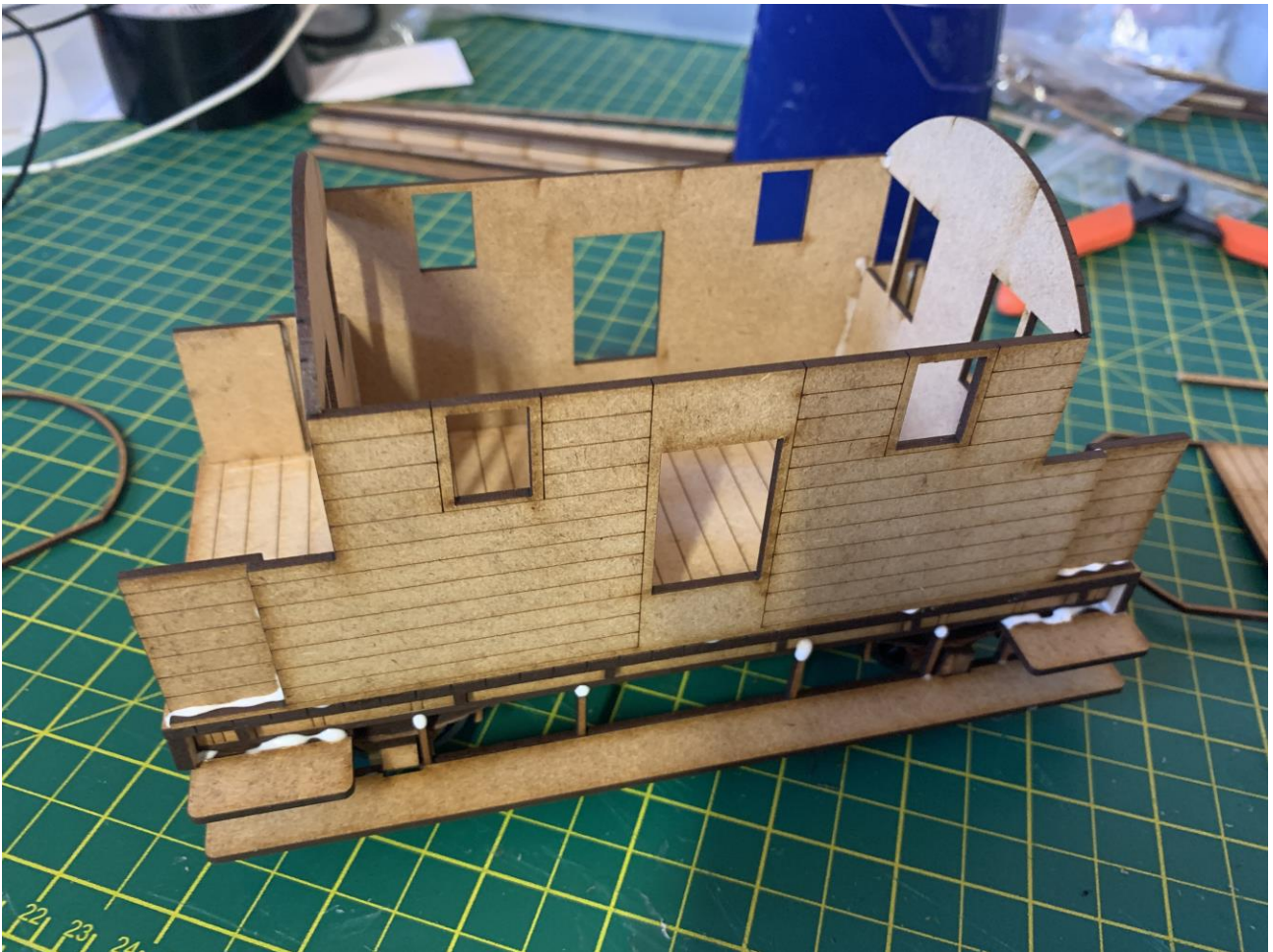
LBSCR/LSWR - To start construction of the body, glue the two internal partitions as well as one of the side pieces



LBSCR – Next glue on the second side piece onto the other side of the model



LSWR – Next glue on the second side piece onto the other side of the model



LSWR – Next glue on the doors onto the end of each model inside of the side panels of the brake van.

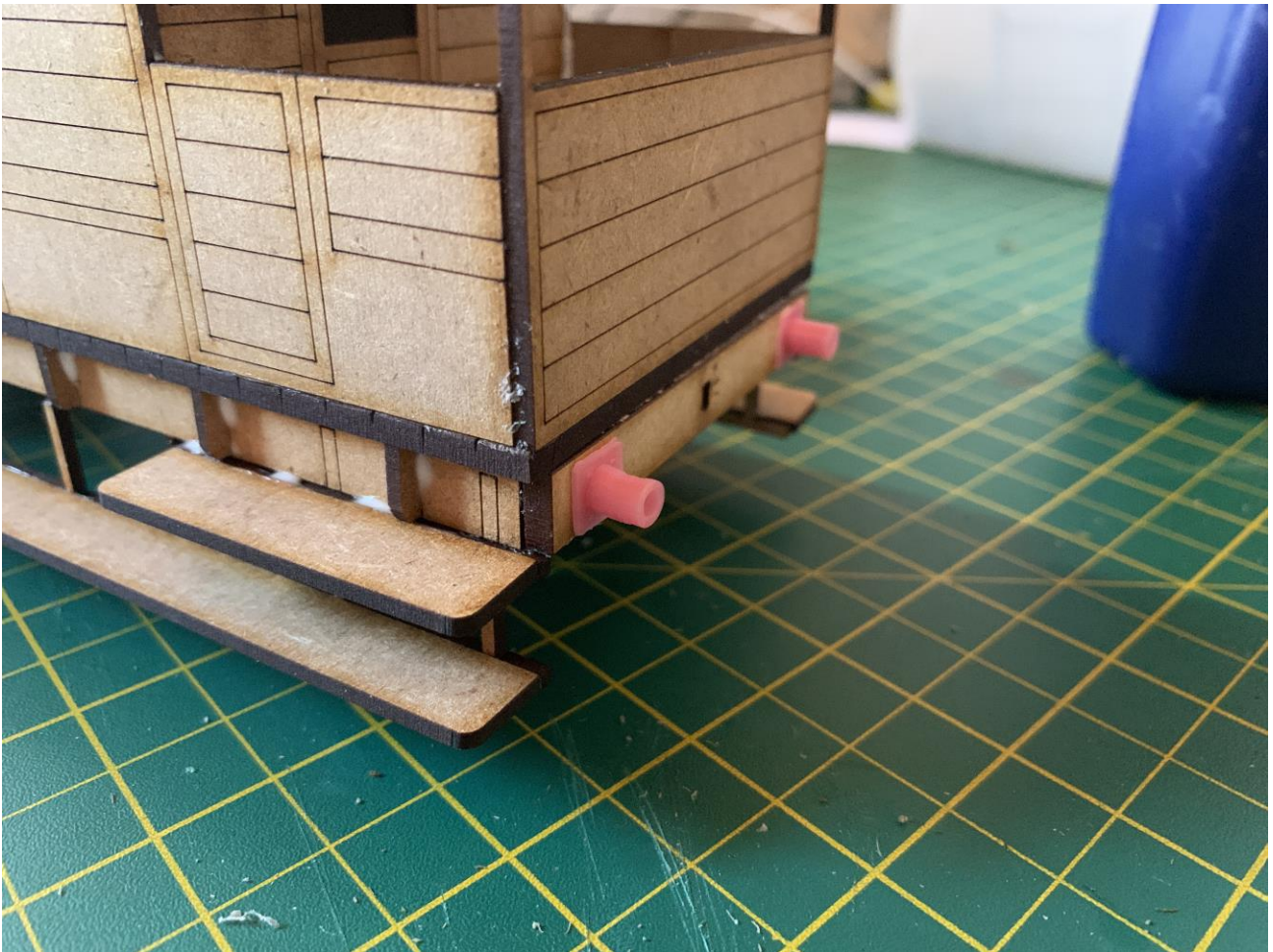


Next, glue on the end pieces onto the end of the brake van.

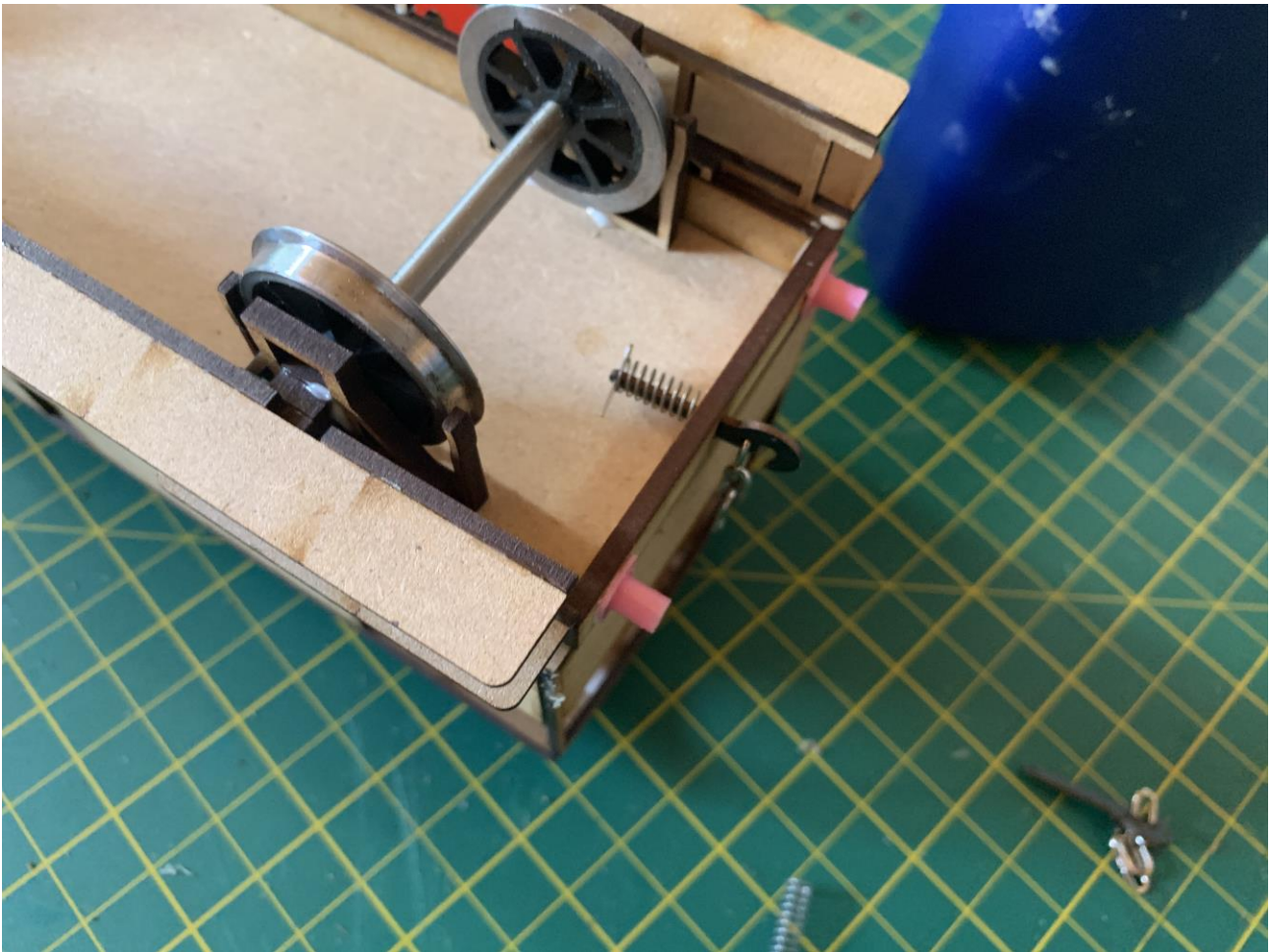
On the LSWR Brake van, now is the time to glue the duckets onto the outside of the brake van into the etched area of the outside making sure the hole on the side of the body and the hole on the inside of the ducket line up.



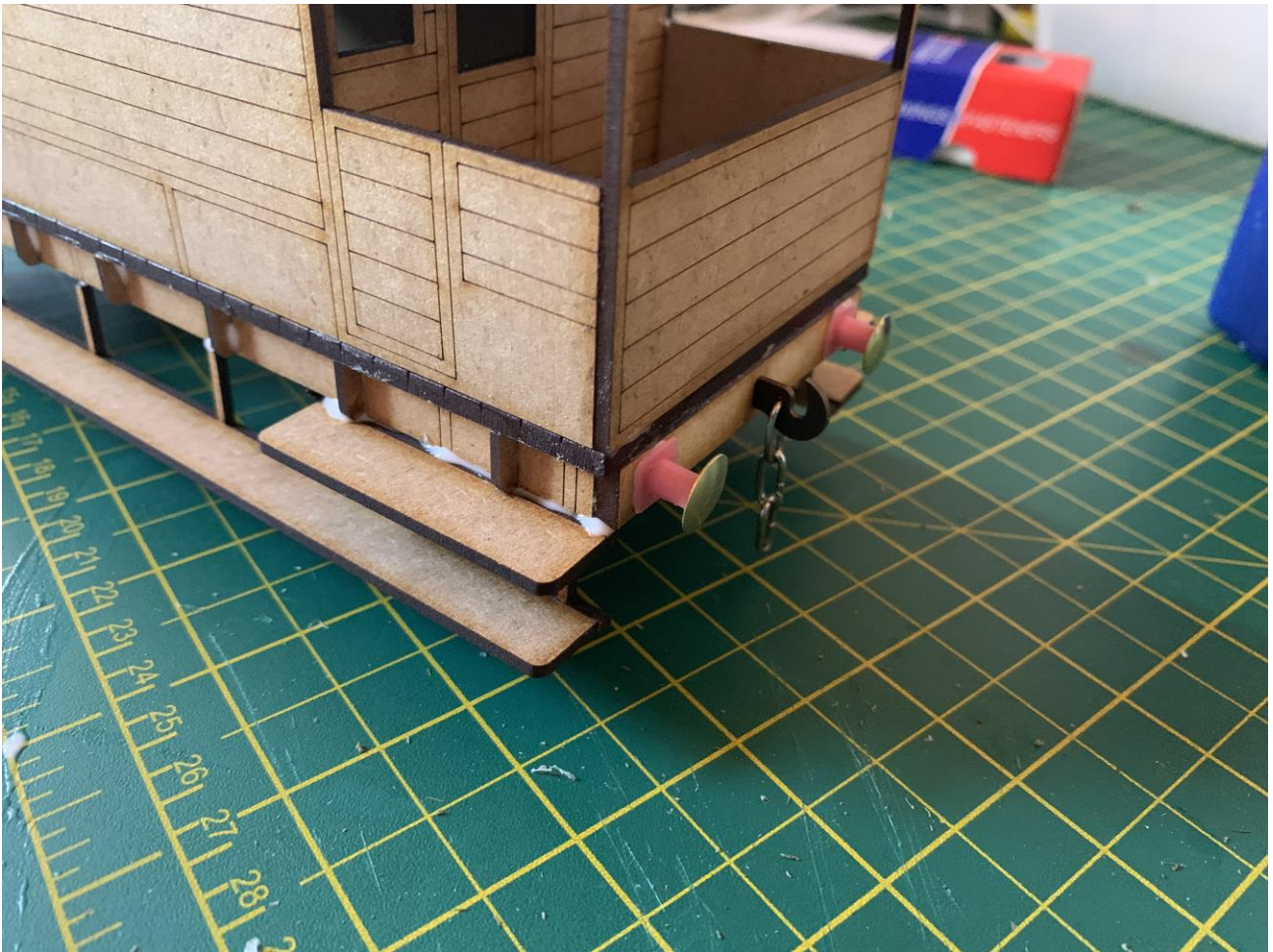
Next, glue on the roof of the brake van ensuring it is fully covered using the strips provided.



The buffers are formed of two pieces. The first part is to glue on the 3D printed buffer housings into the respective locations as marked on the bufferbeam. For those who wish to use sprung buffers, there is a half etched circle for you to drill through to place the buffers in the correct location.



Coupling wise, these are installed by sliding the coupling hook through the bufferbeam and then pinning the spring in place using a split pin (which is supplied with the couplings).



The final stages of the buffers is to glue in the Brass Pins into place to form the buffer unit. Some straightening of the buffers maybe required due to their manufacturing.

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.