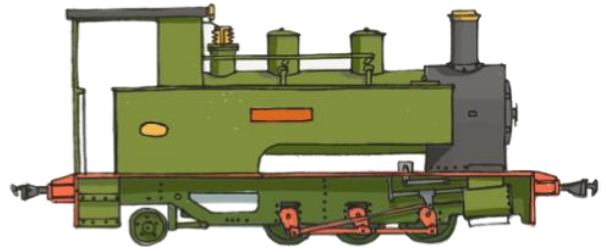


# Bowaters

## MODELS

specialising in distinctive 16mm models



### Bowaters Models – BMGC Series Instructions

### SECR/SR Utility Van/SR Van C



#### 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 vehicles were used around the South of England United Kingdom for a wide range of applications. These kits designed cover the first examples built to the South Eastern Chatham Railway Design for a Utility Van one of which became more famously known as the Cavell Van as well as the later SR versions of the same design. The later Van Cs were a brake van version of these vans.

## 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 PMV 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 BMGC-101 which isn't representative of the kit you have brought. They are for reference purposes only.

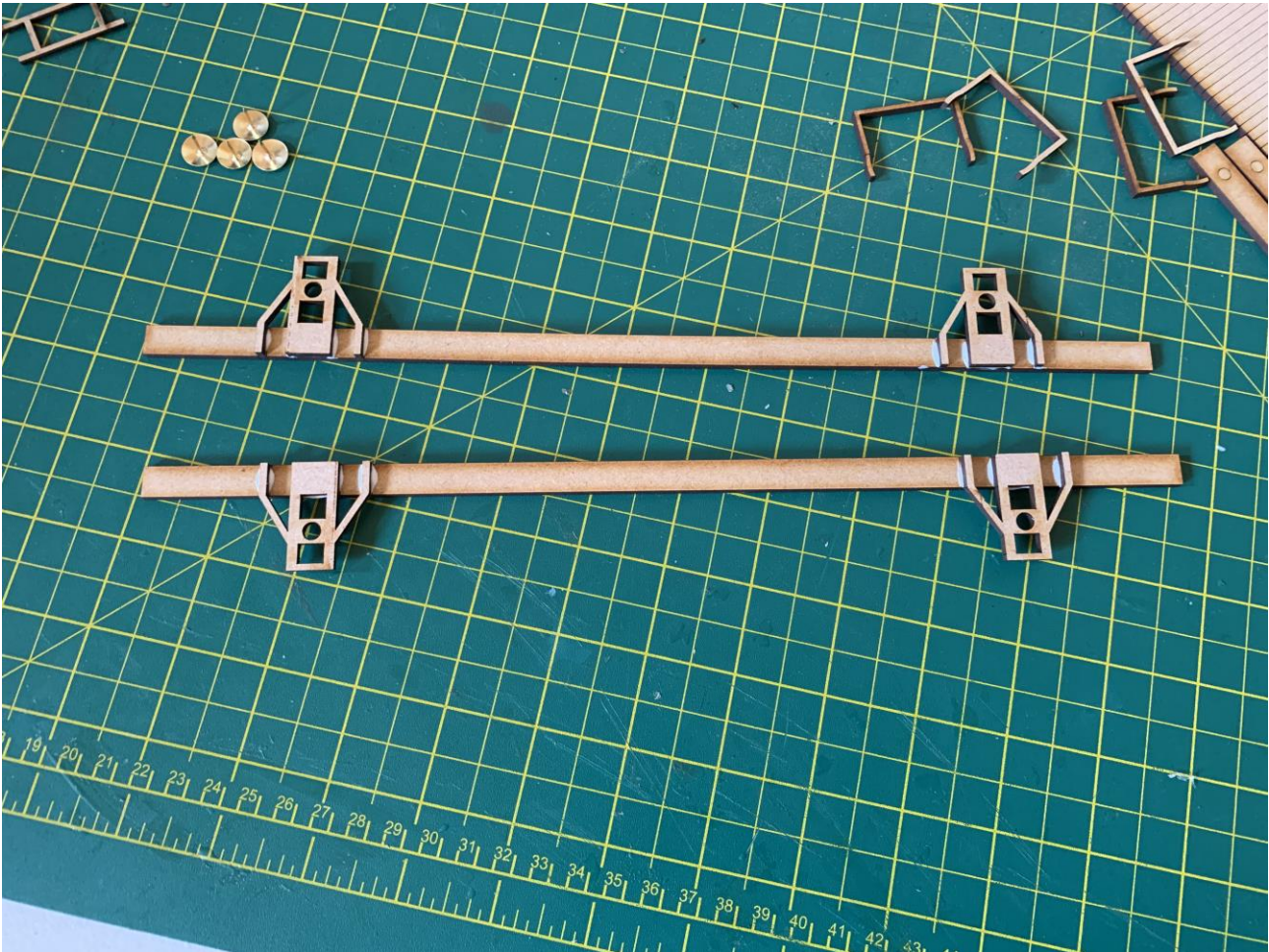
## Painting

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



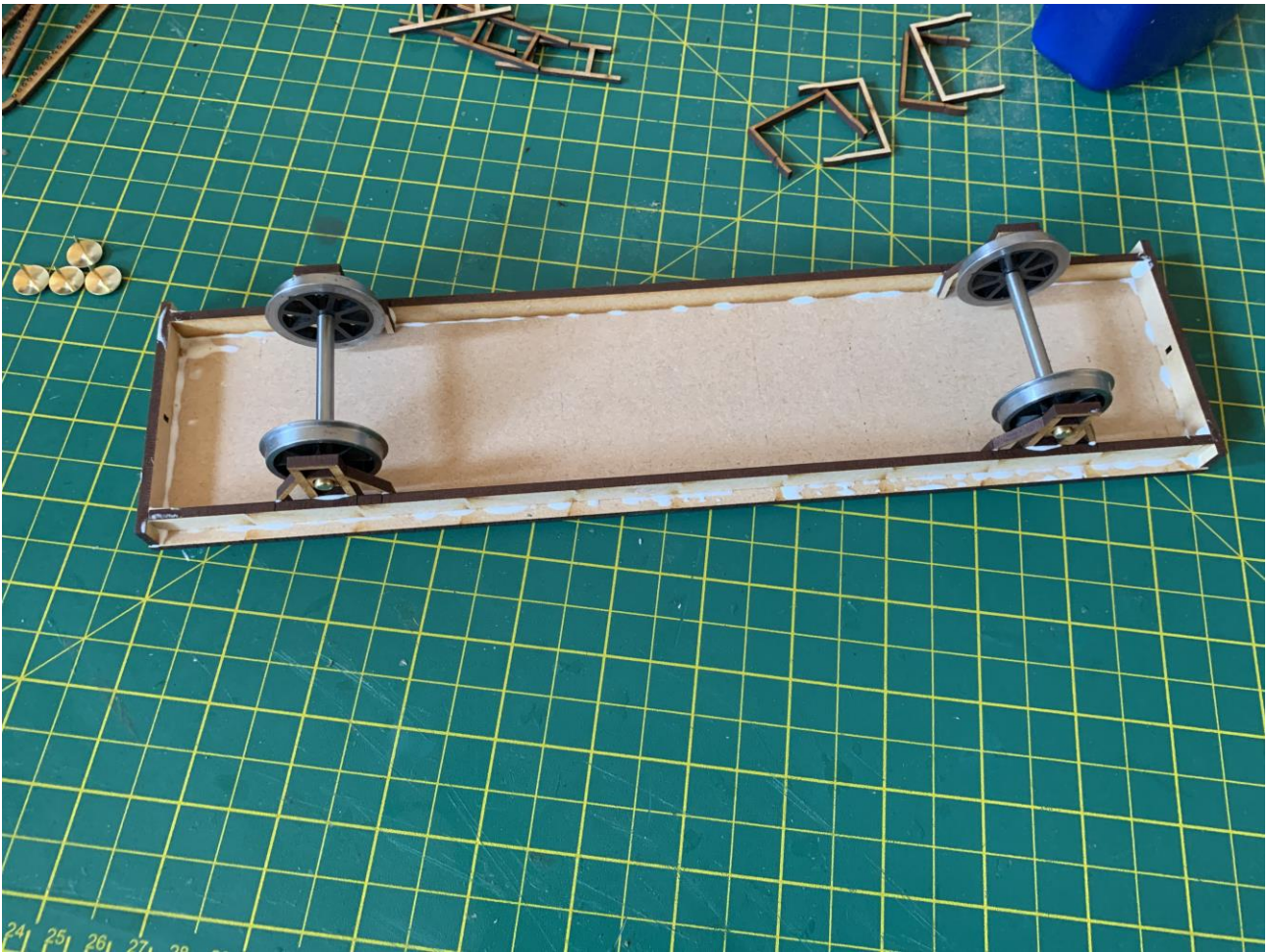


Start by gluing the axleboxes onto the inner solebar. This is then glued onto the outer solebar which forms the complete section.

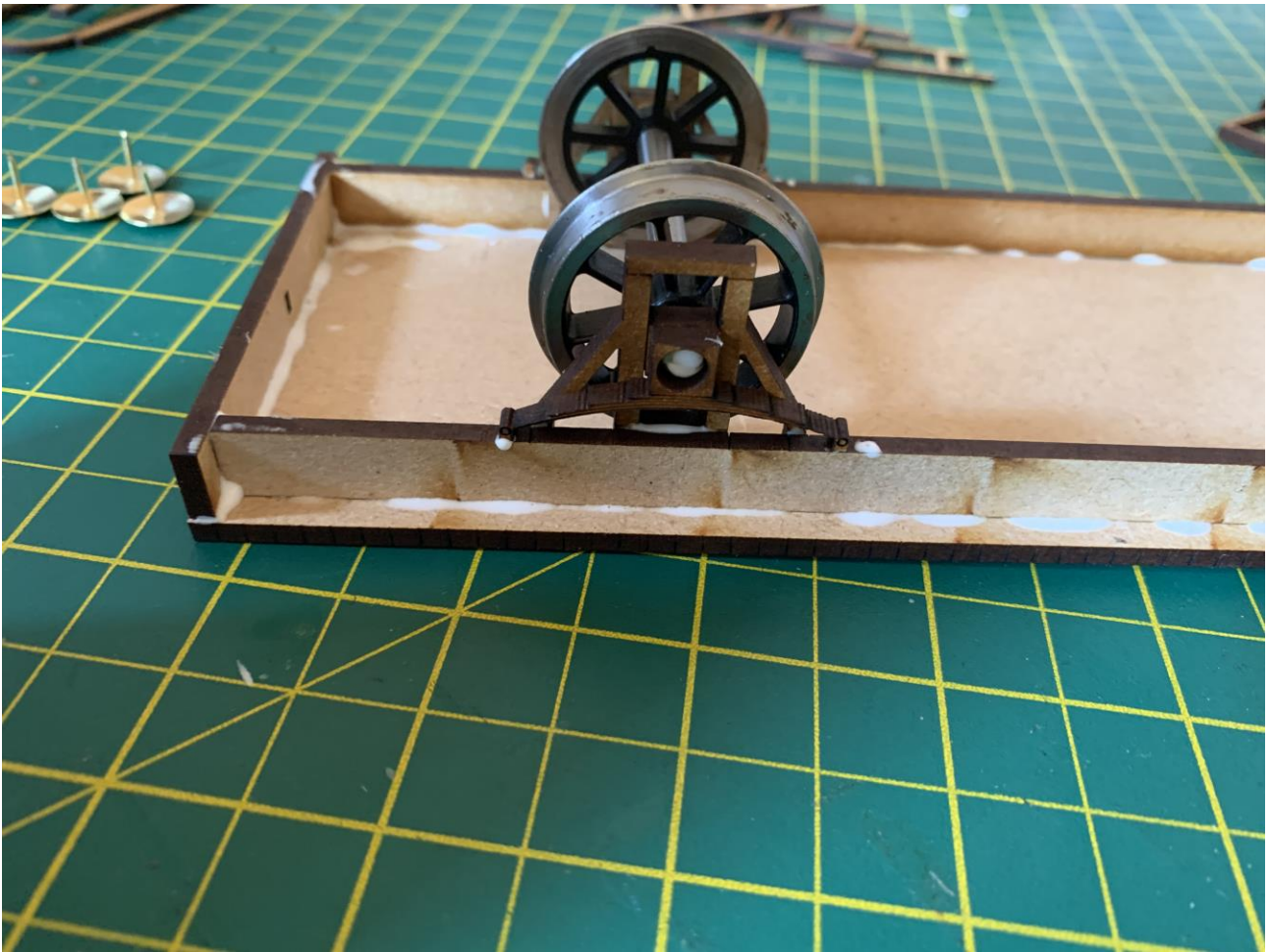


Start assembling the chassis by gluing the bufferbeams onto the ends of the chassis piece.





Next, glue on the solebars onto the chassis floor. The solebars are flush with the edges of the chassis plate.

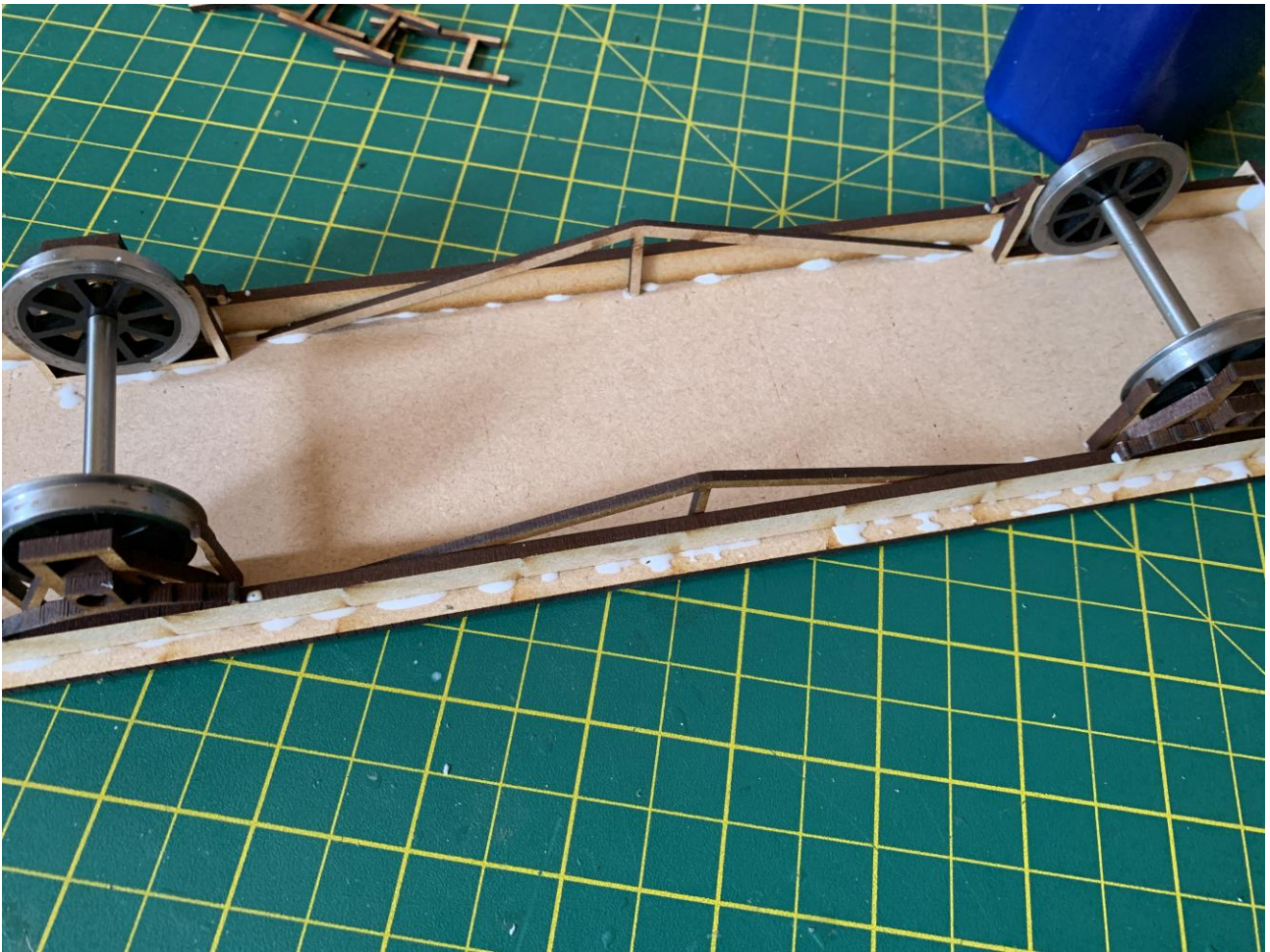


Now, glue on the springs and axlebox outers onto the outside of the wheel hangers.



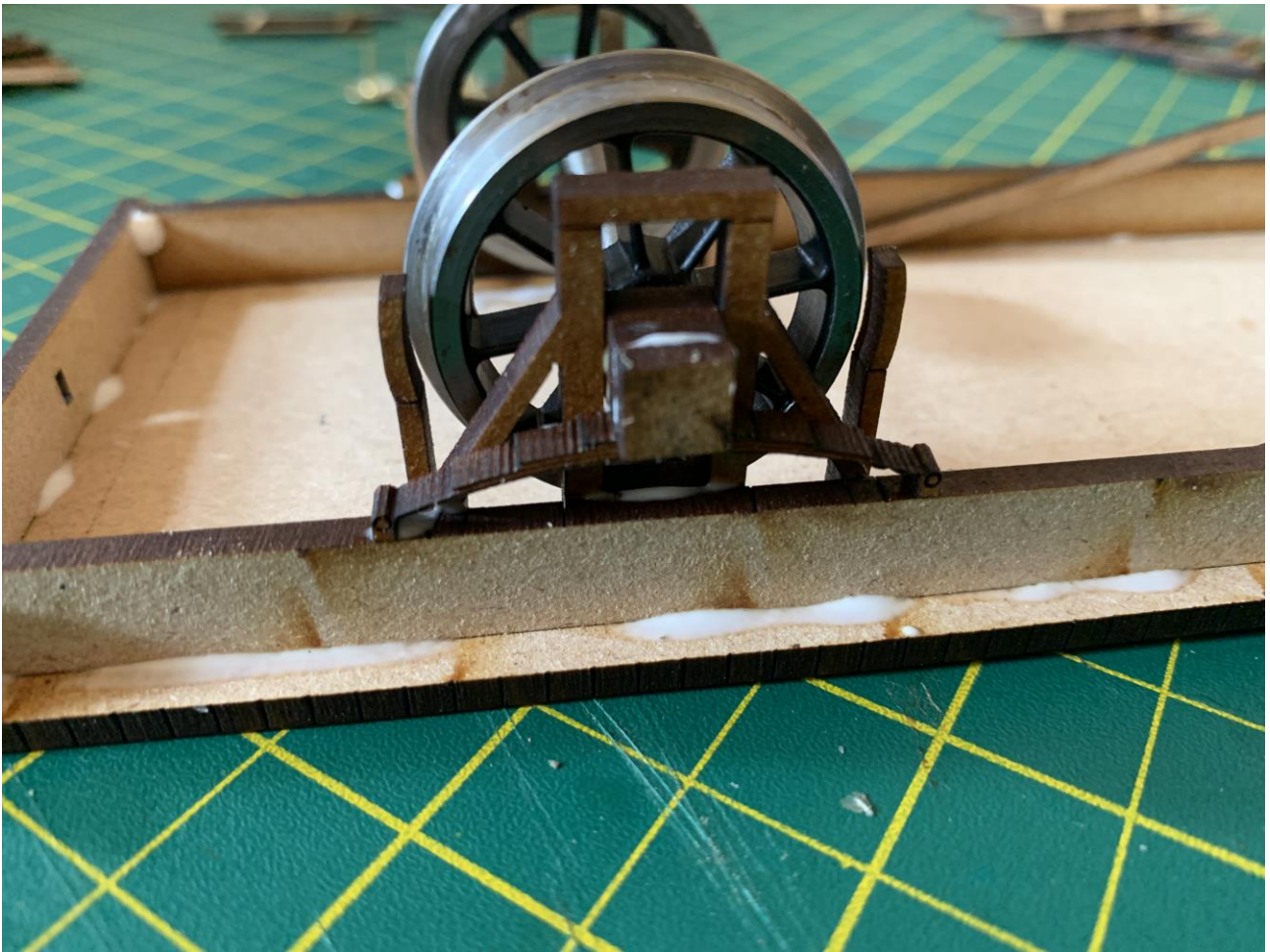


Now its time to glue on the brake blocks, glue on the one piece part into place making sure there is room for the wheels to spin freely while ensuring the brake blocks are equally spaced around the wheel.

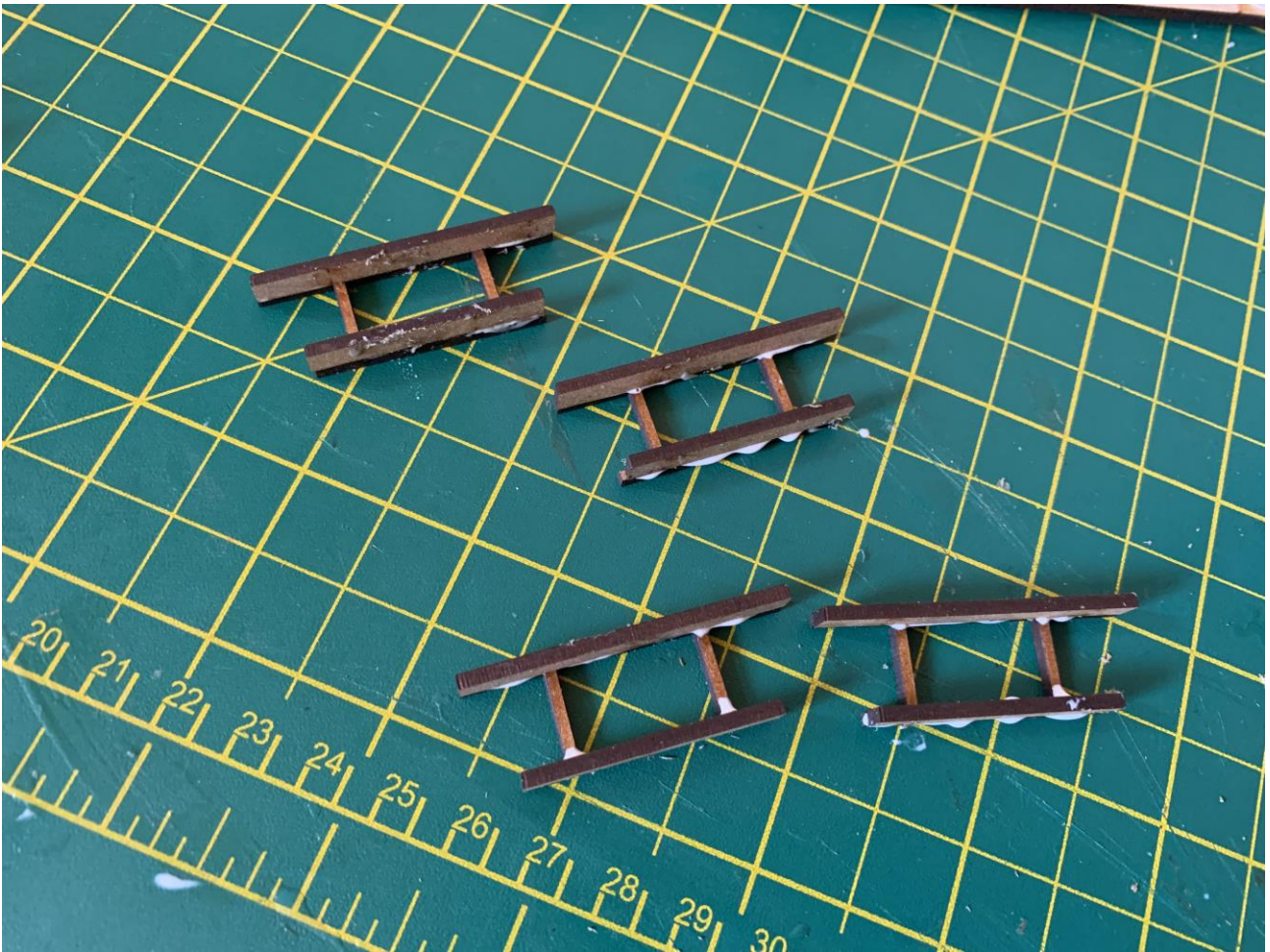


Add the bottom frame piece to the underside of the model making sure it rests against the solebars while being central to the model.



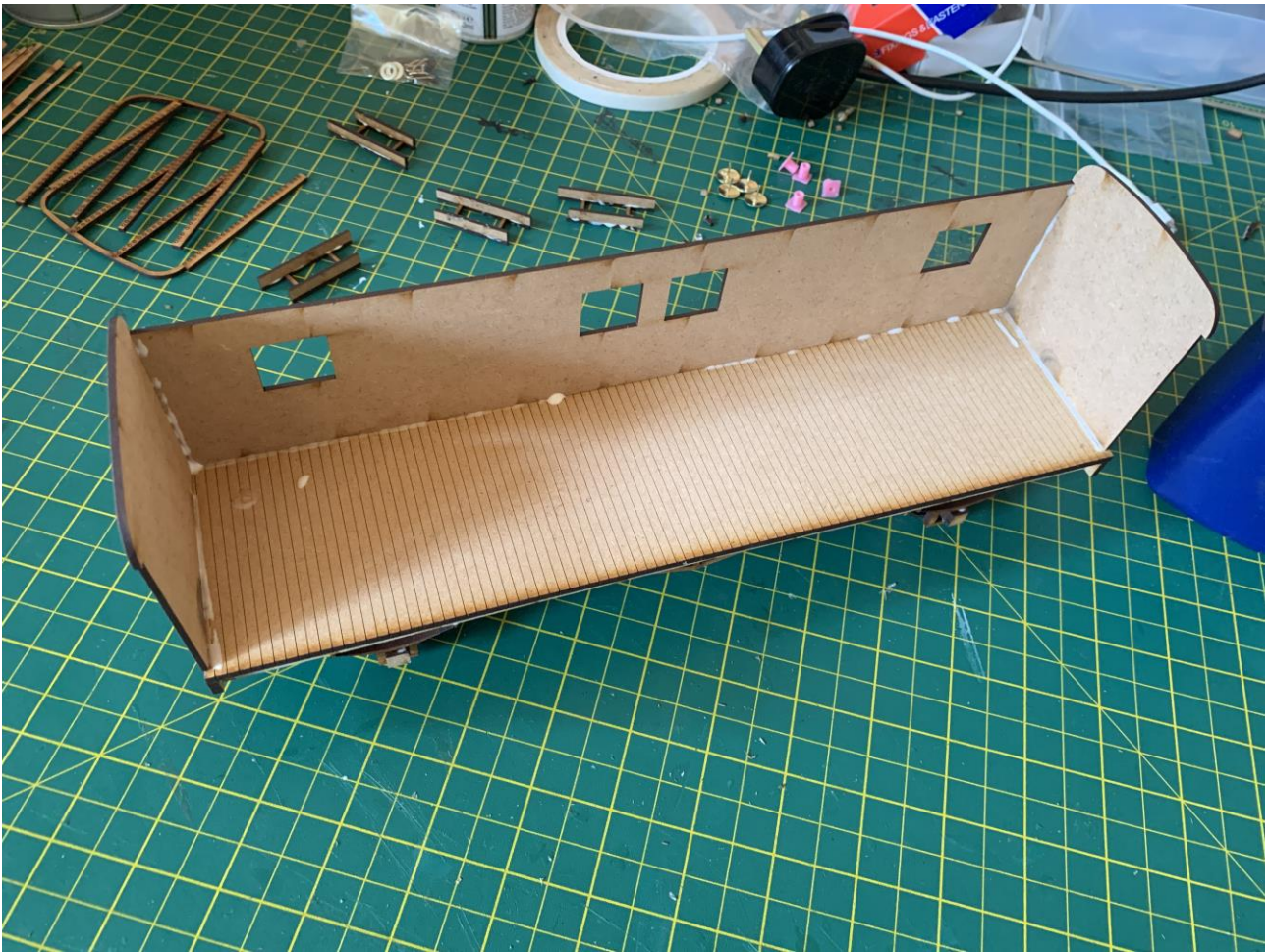


Now, glue on the axlebox covers onto the wheels. This completes the core of the chassis.



To start on the body, start by assembling the side steps of the van. These are formed of 3 parts which all come together to produce the step units.



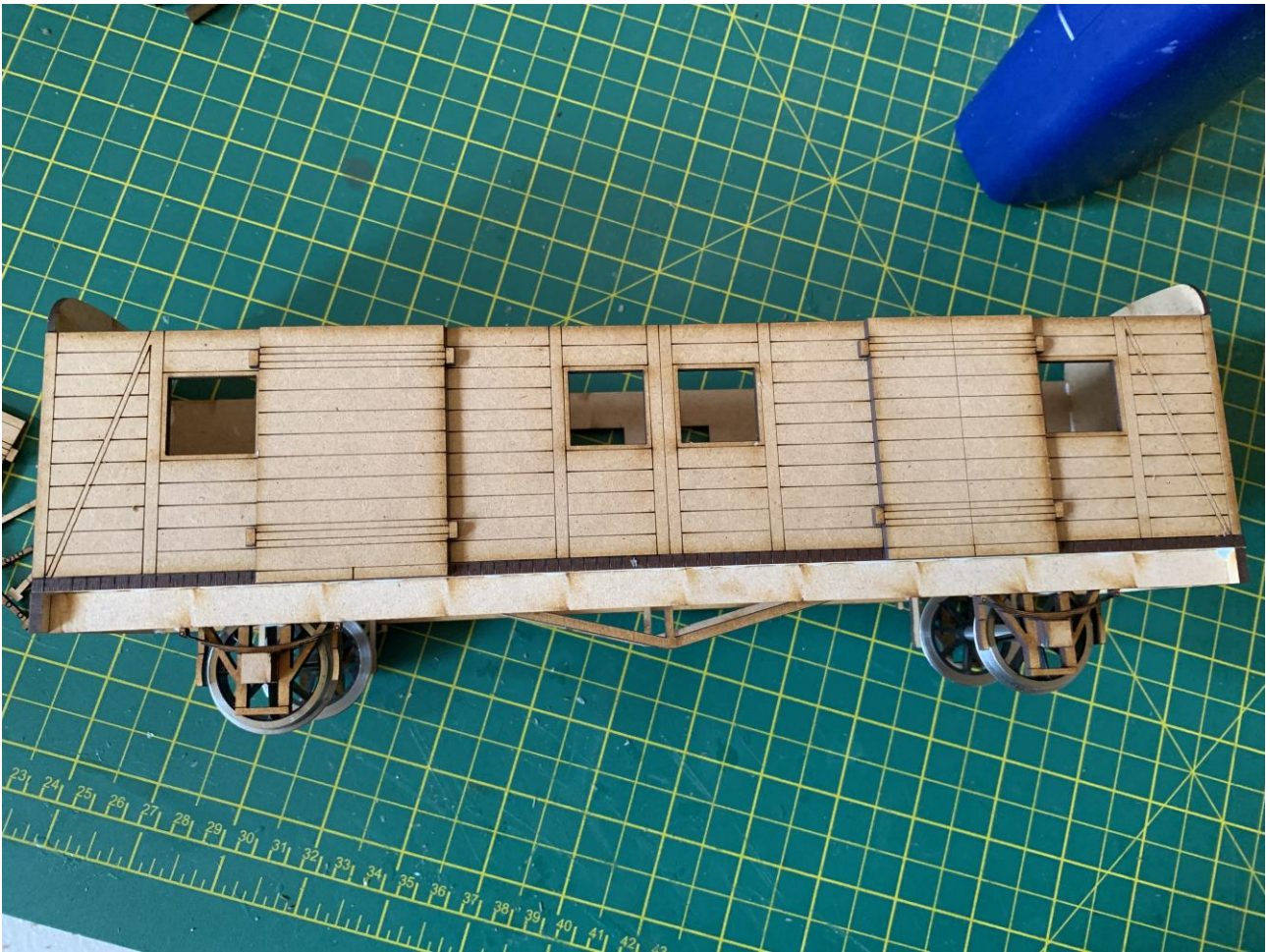


To assemble the body, start by gluing two of the ends and one of the ends into place on the chassis floor.

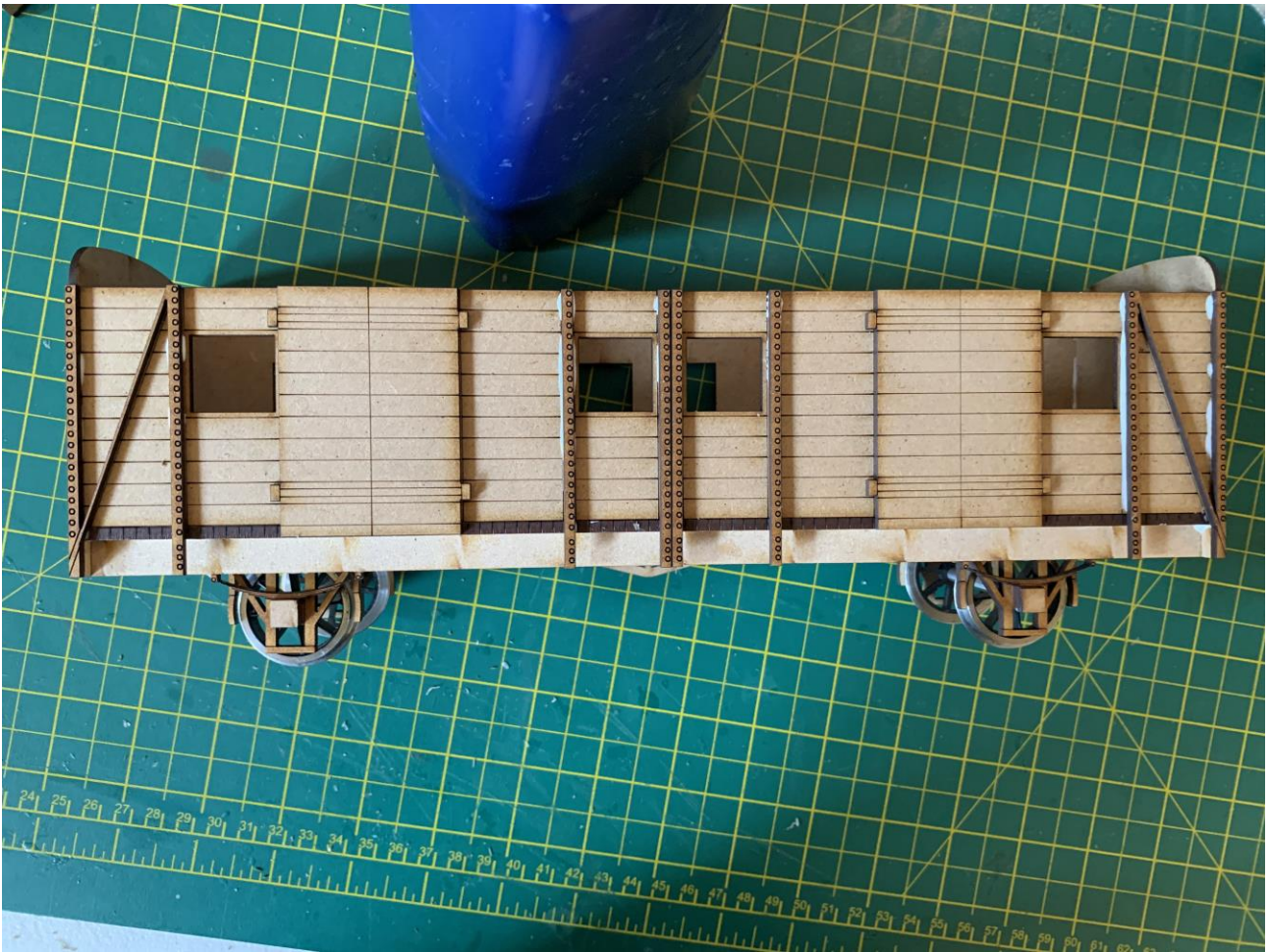


Now glue in the second side. If you are building a Van C, there are two internal door layers that go behind the single door in the side of the model.



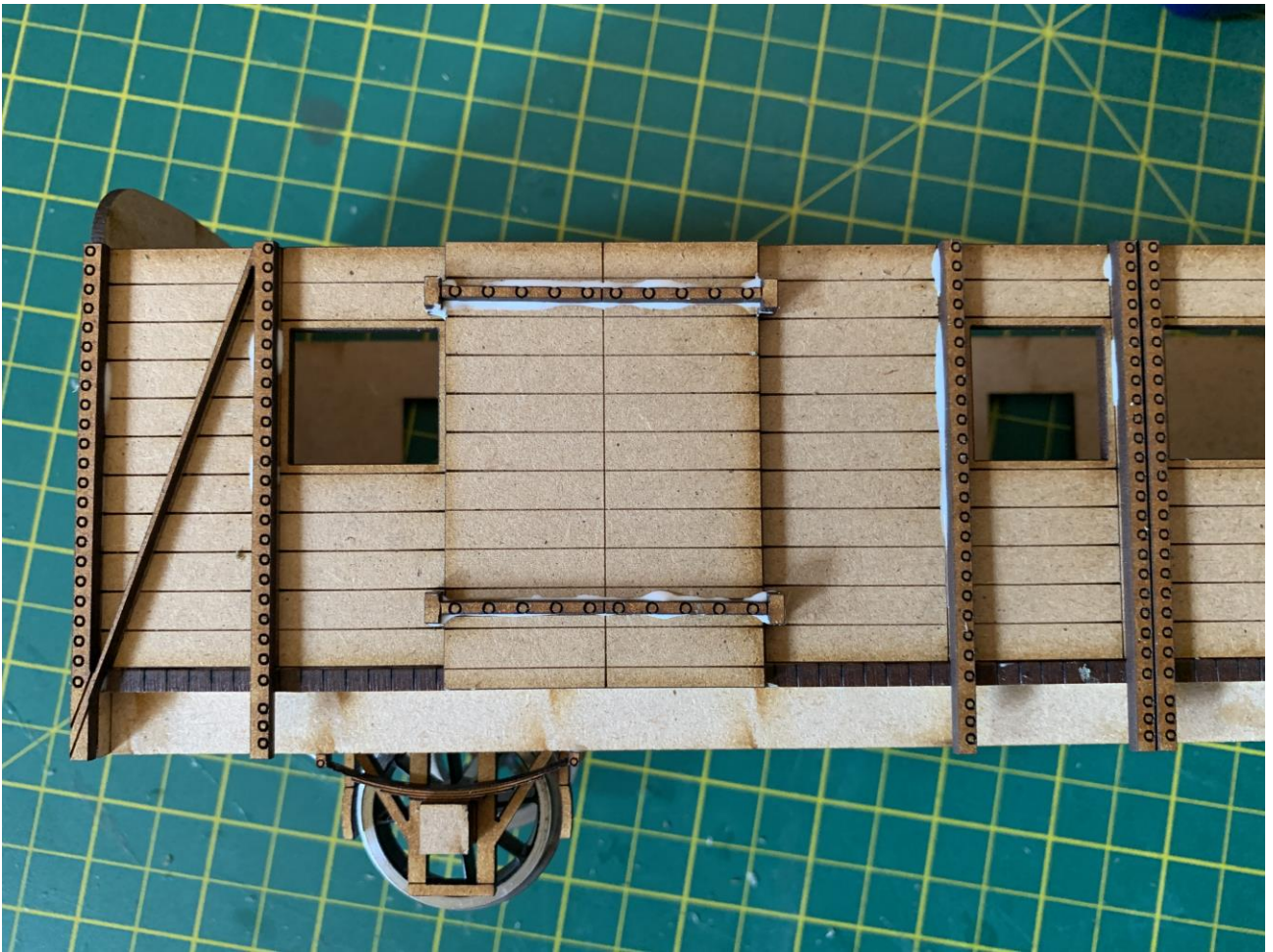


To start on the body detailing, glue the doors onto the outside of the model over etched locations on the body side.

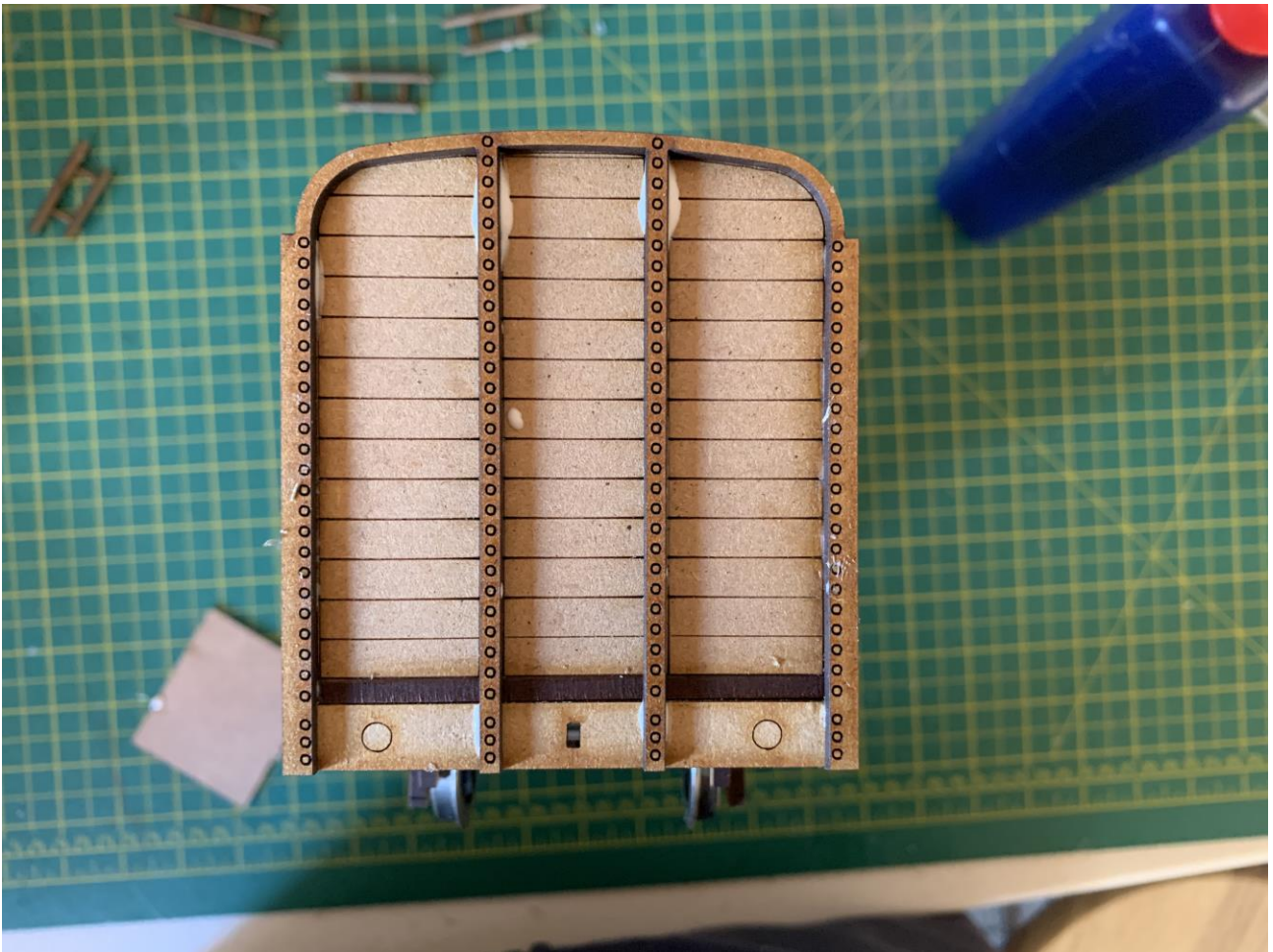


Now glue on the side strapping ensuring the small trio sections are on the bottom of each strap using the etched markings on the body as a guide. Note, on your kit, these have been replaced with 3D printed sections instead of laser cut. However the design is still the same.



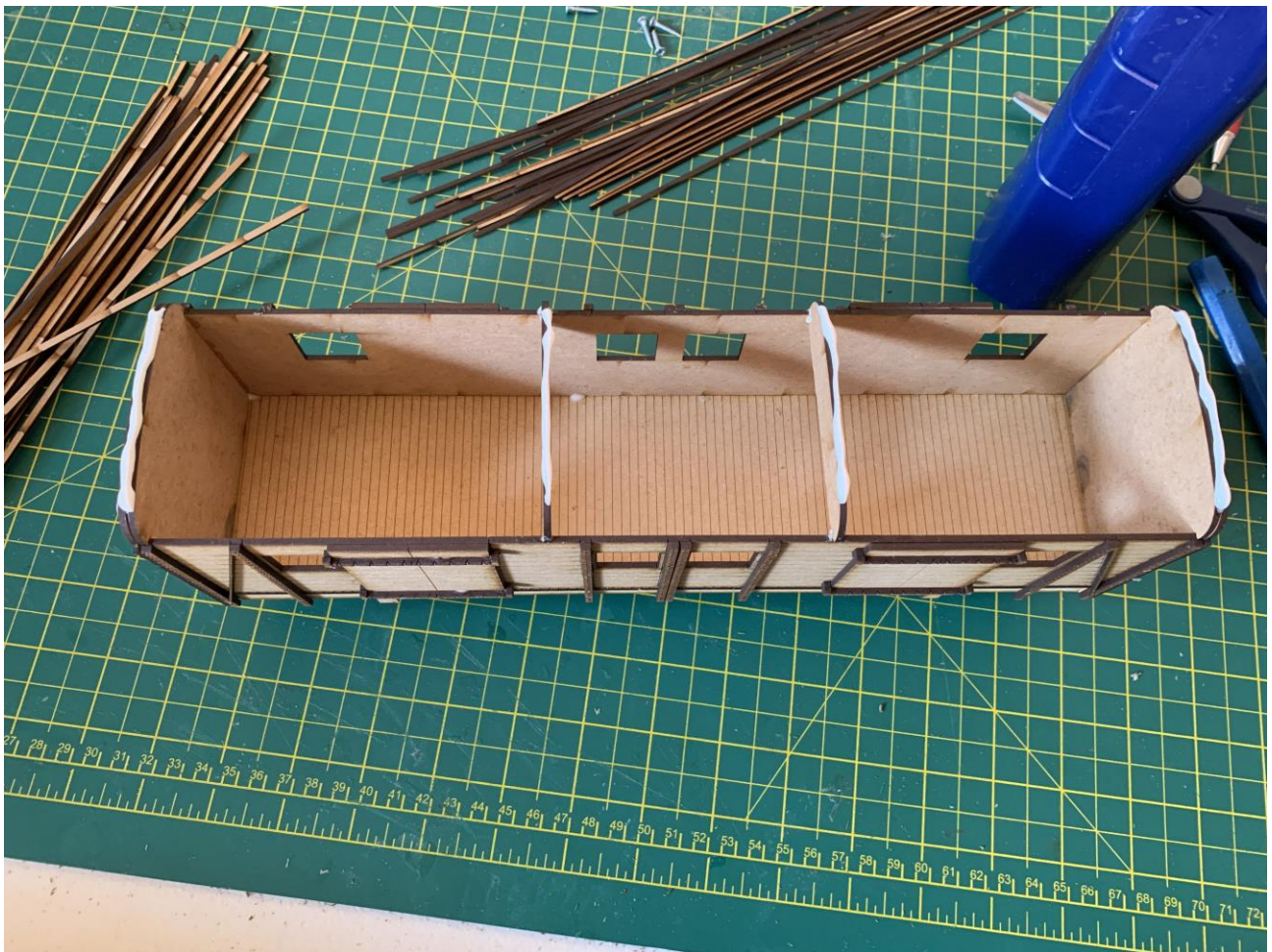


Now glue on the door hinges onto the outside of the doors.



To complete the strapping, glue on the end strapping onto the ends of the van. Note, on your kit, these have been replaced with 3D printed sections instead of laser cut. However the design is still the same.



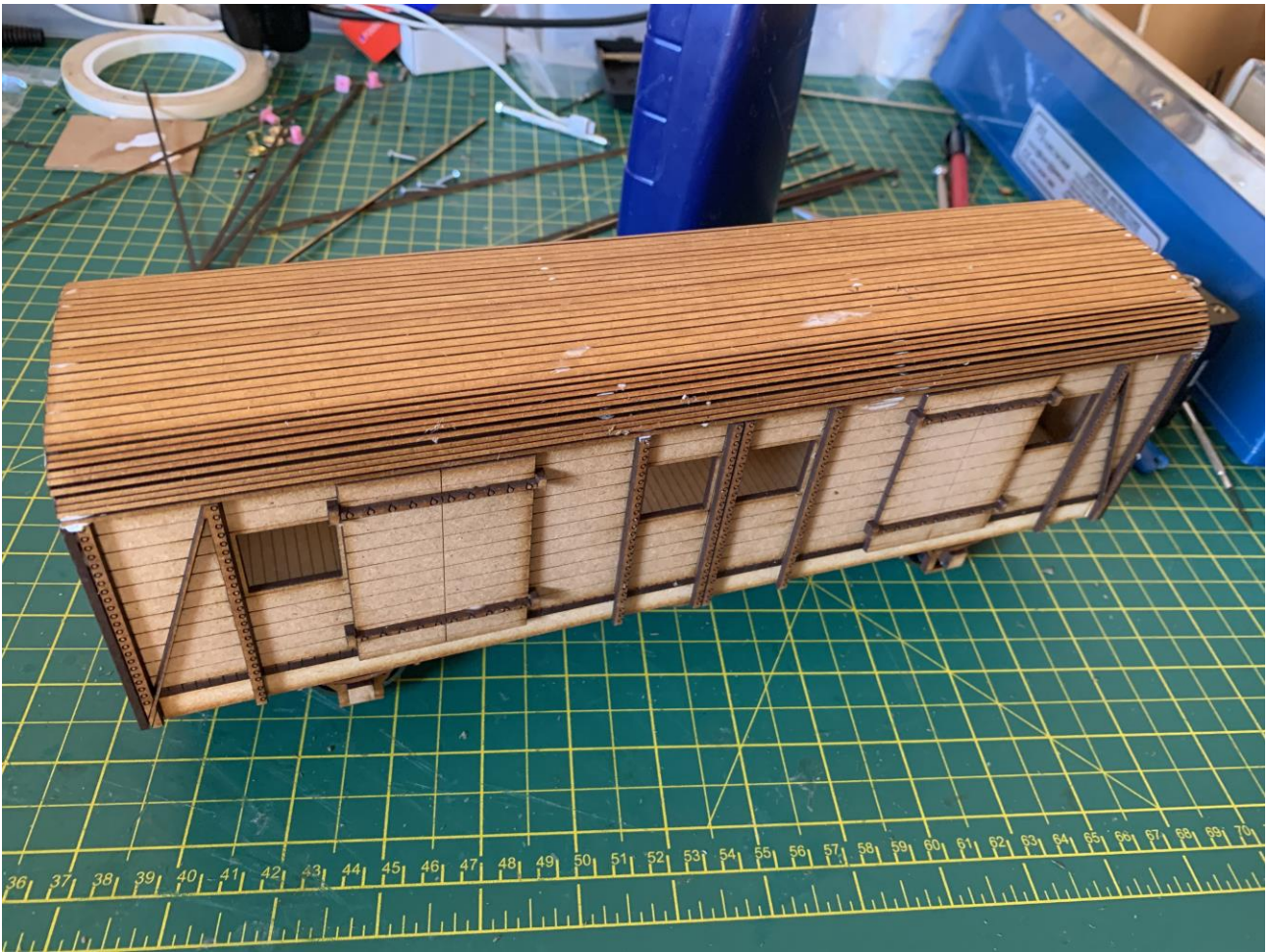


To start work on the roof, glue the two roof supports on to the van body. If you are building a Van C, there are two internal partitions that go either side of the Guards compartment on the coach (the single door in the side of the kit).

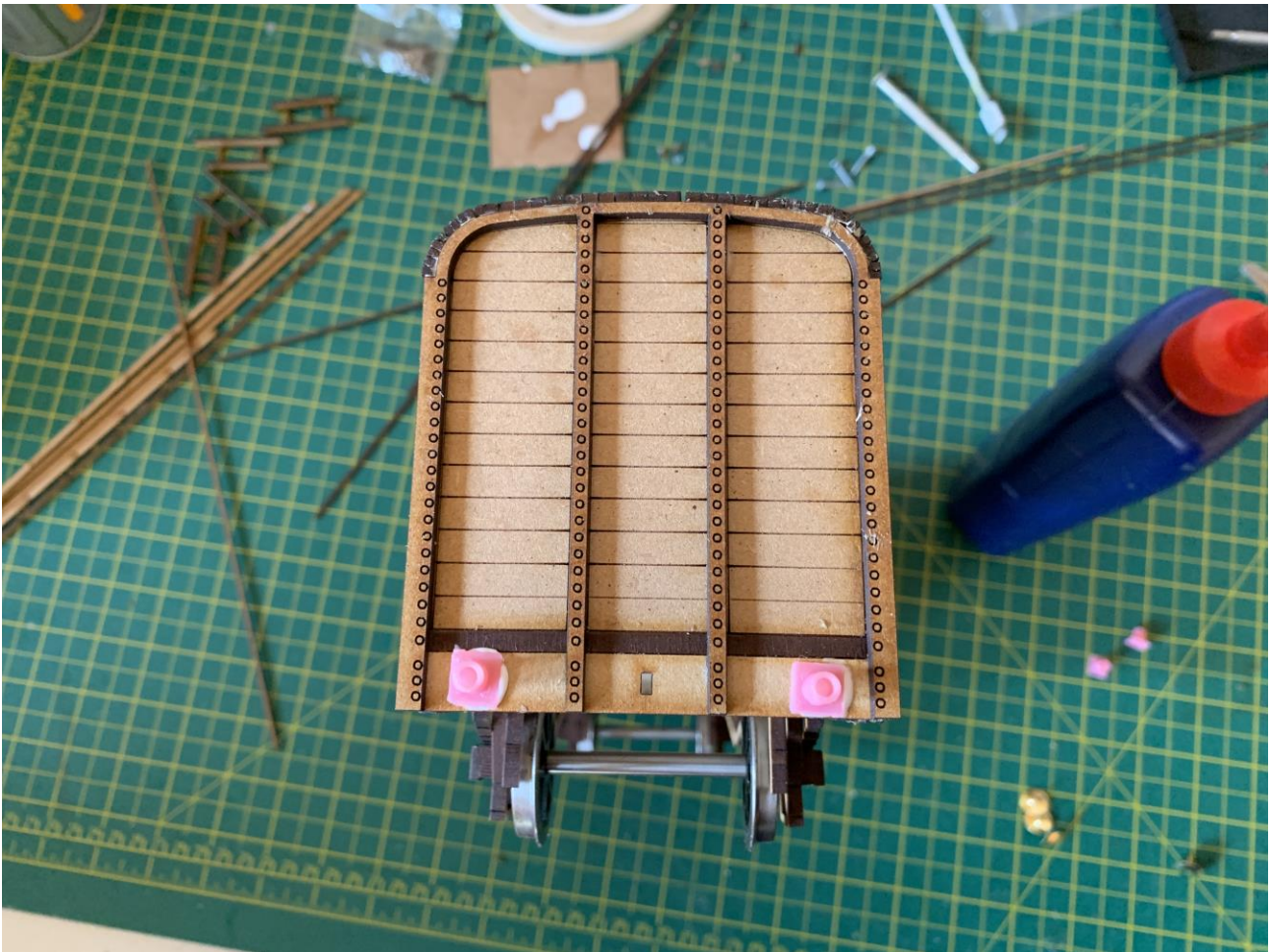


Now start to glue the roof strips in place. Start by gluing on the larger width sections onto the centre of the roof.



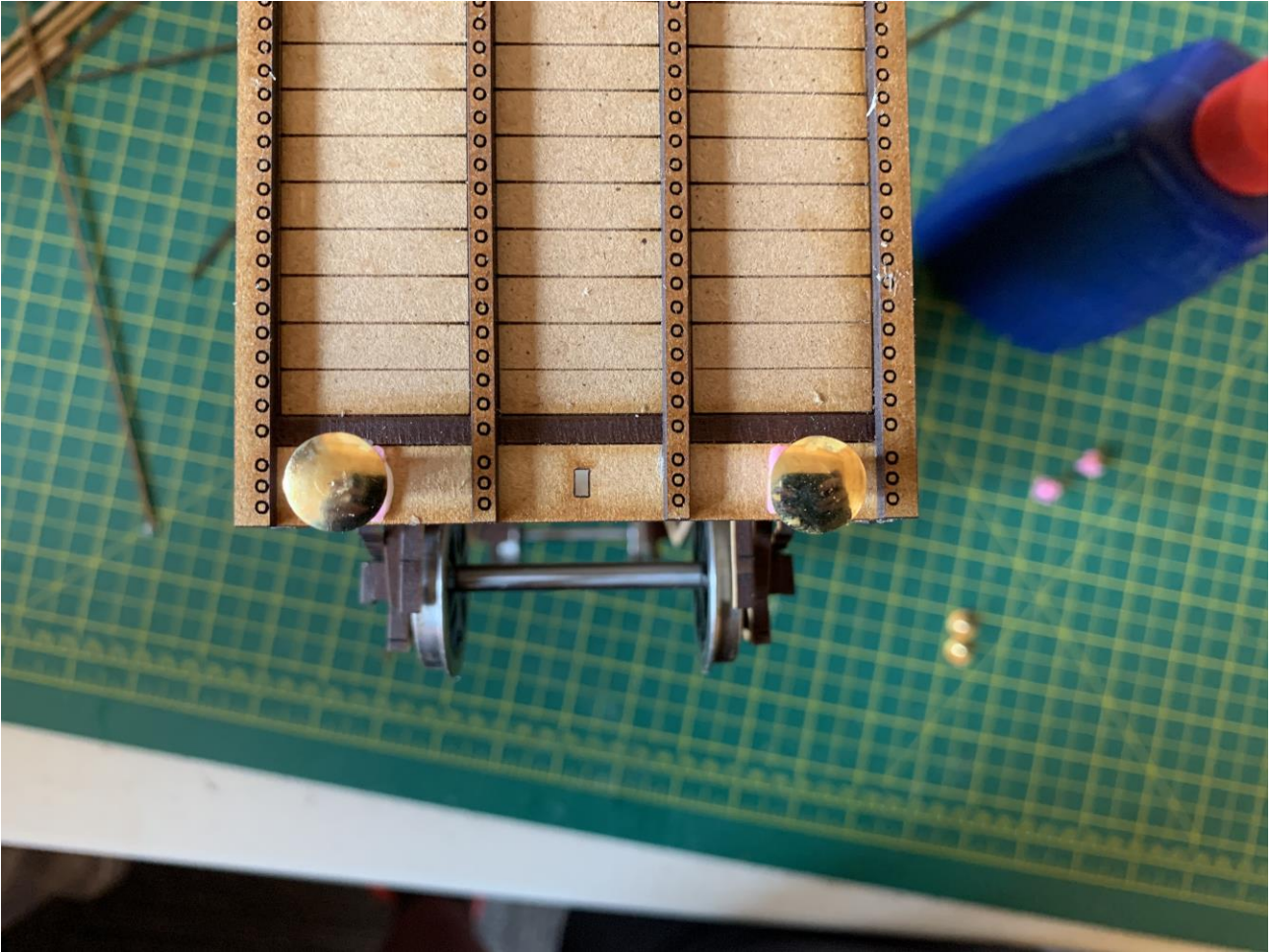


Then start to glue the thinner strips onto the tightly curved section of the edges of the roof. We recommend gluing these on one or two at a time to make construction easier.

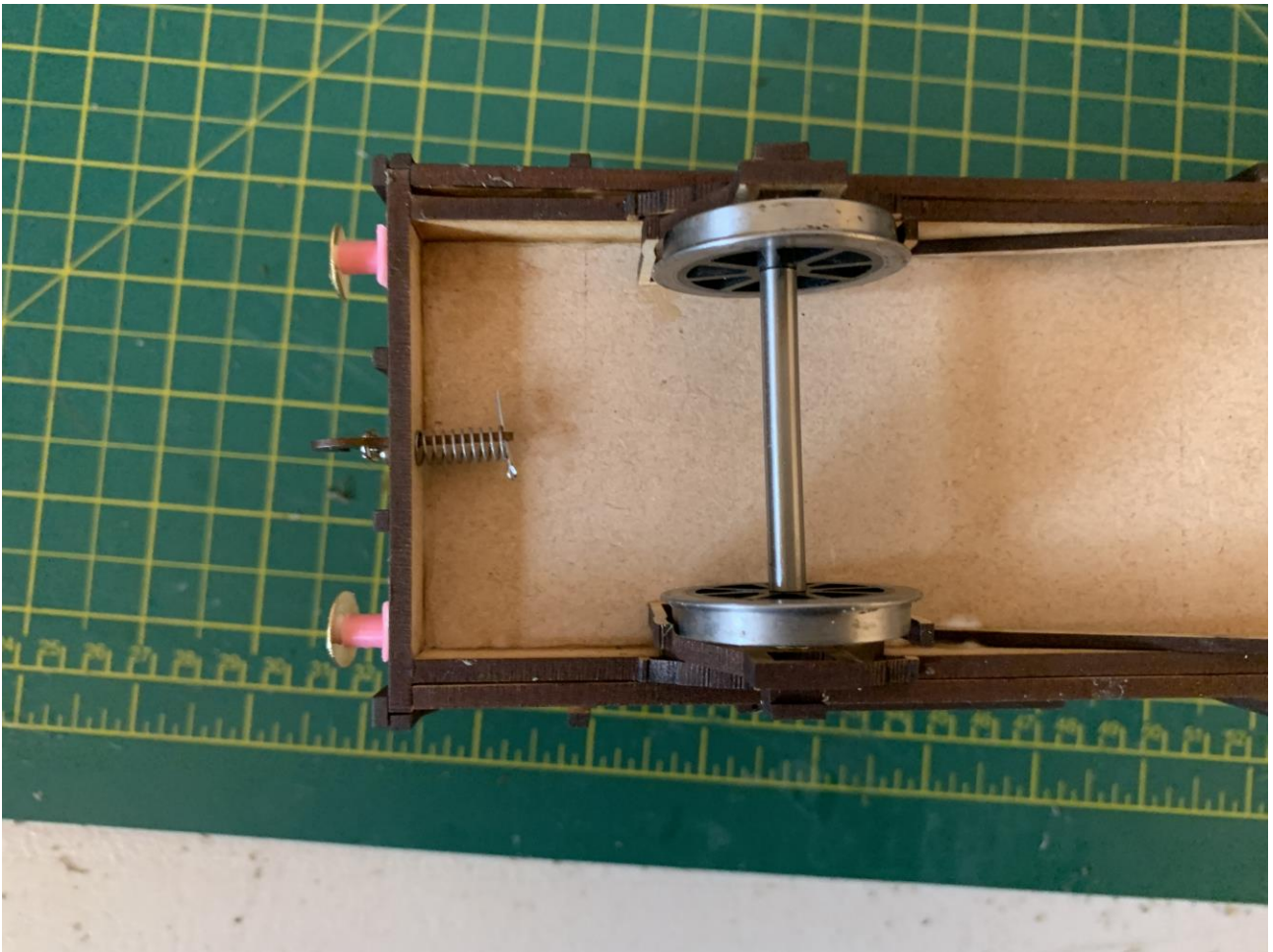


Now glue on the buffer housings onto the ends of the van. Naturally if you don't wish to use the included buffers, there are etched marks on the bufferbeams which can be used as drilling marks to fit buffers of your own choice.



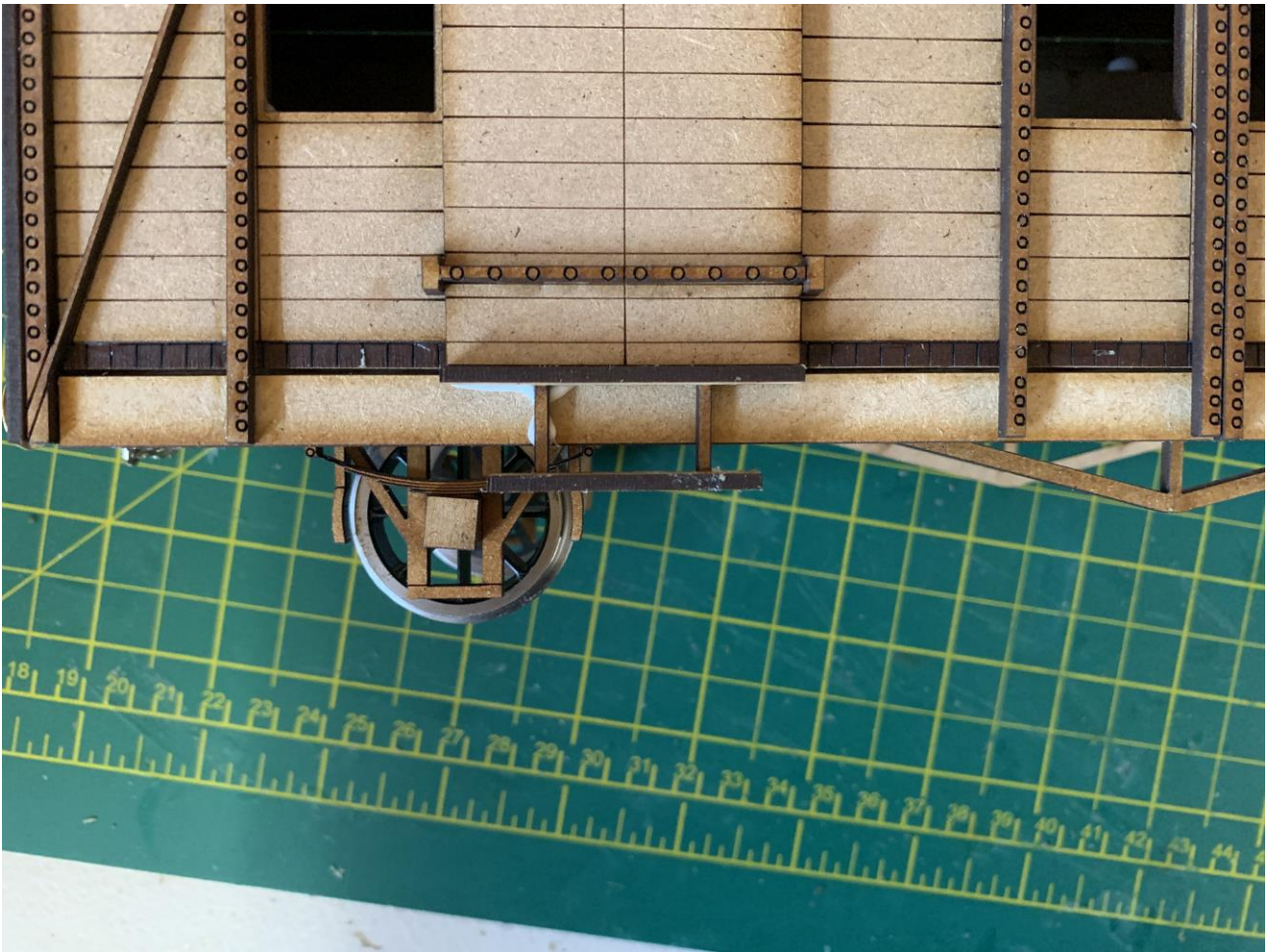


Then glue the drawing pins into the buffer housings.

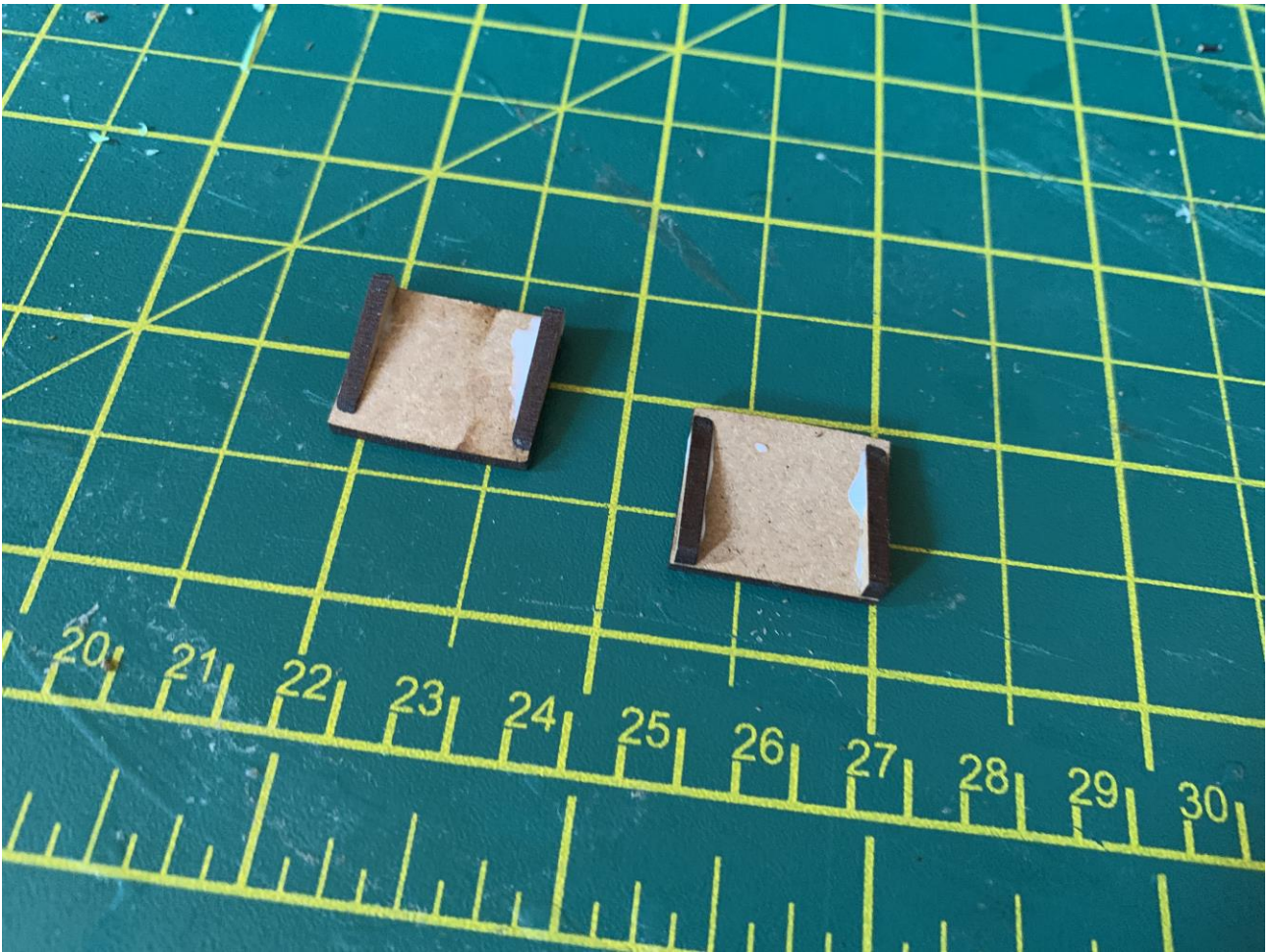


Slot the couplings into their slots on the bufferbeams and hold them in place using the split pins provided.





The final stage on the side of the body is to glue the steps in place under the doors.



To complete the model, assemble the end vents by gluing the small triangle pieces onto the piece with curved section at the top.





Now glue the end vents onto the top of the ends.

If you are building a SR Utility van, turn over to see the layout for the vents that sit on the side of the van. If you are building a Van C, the guards lookout locations are also on the next page





SR Van Side Vent locations.



SR Van C – The Guards lookouts go either side of the guards compartment on the roof. It is recommended you fit these when finishing off the roof to ease the work required at that stage.

Your Model(s) 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.