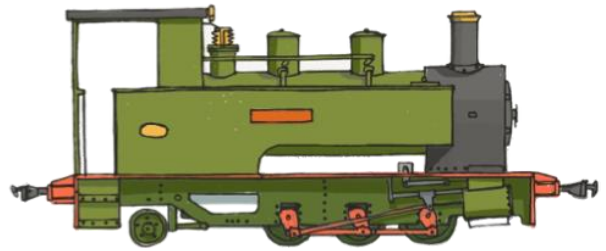


# Bowaters

## MODELS

specialising in distinctive 16mm models



### Bowaters Models – BMGU Series Instructions British Railways Hastings Units 6S/6L/6B



#### Requires

- Slaters Plasticard 1:32 3ft 6inch 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 units were originally built as a stop gap measure for use on the Hastings route which was renowned for its narrow clearances requiring specialist rolling stock and motive power throughout its history. These units ran until the mid 1980s when the long overdue engineering work to allow standard rolling stock along the route was finally carried out. A number of units are now in preservation with one running on the mainline.

## 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 Fosworks Ready to Run Bogies. These are installed as per the instructions.

## Couplings

This kit is designed to make use of Walshall Engineering 3 Link Couplings/Kadee 820s 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 BMGU-001 (DMBSO) and BMGU-002 (TSOL) which may not be 100% representative of the kit you have bought. They are for reference purposes only.

## Painting

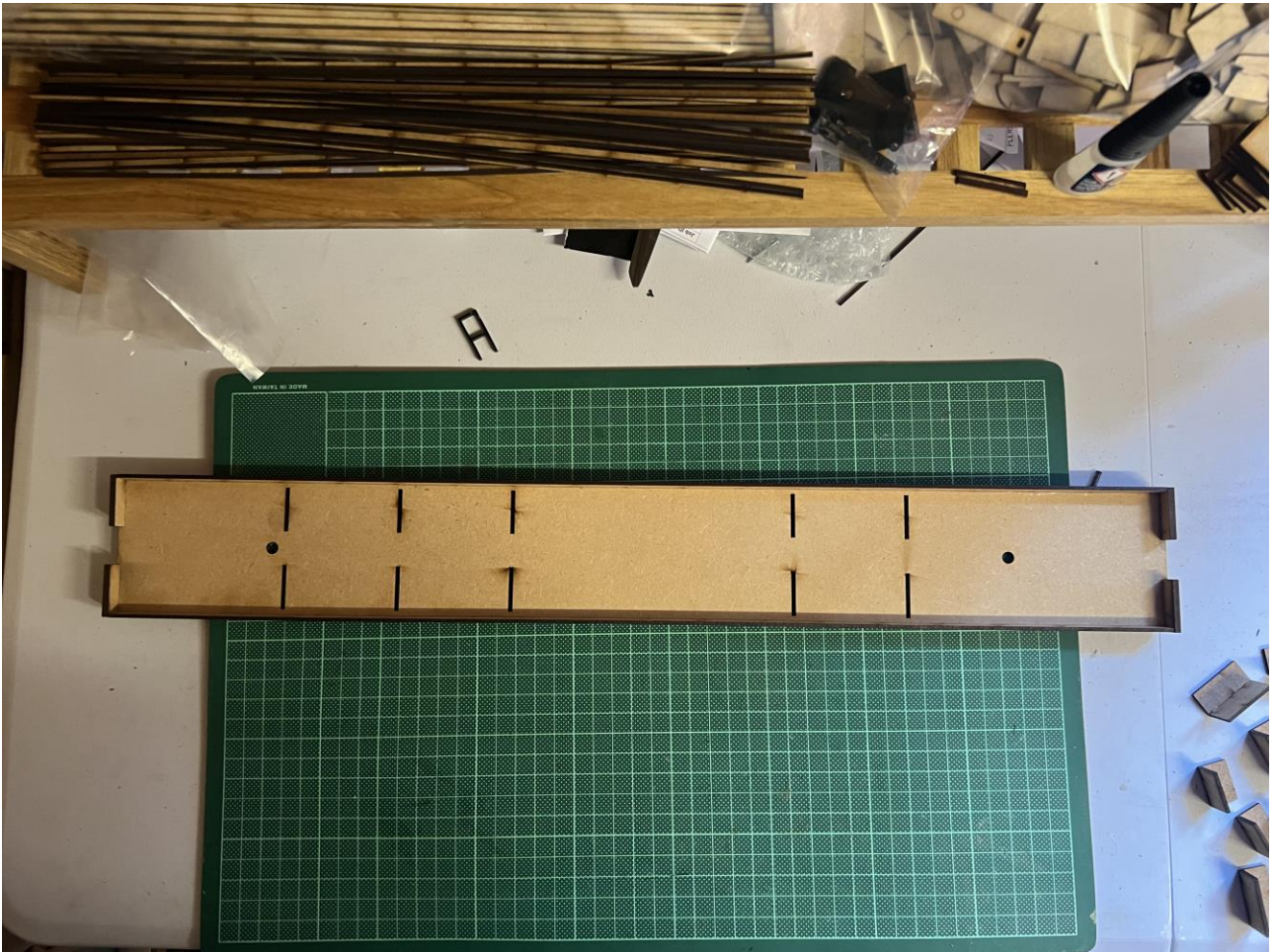
For painting, it is recommended you refer to prototype images to ensure the models are in the condition that you model.

## WARNING

These instructions cover the Power Coaches (DMBSO) and the All 3<sup>rd</sup> Saloon Coach (TSOL). The All 1<sup>st</sup> (TFK) require the instructions from the SR Maunsell Coaches as it shares its design with those coaches.

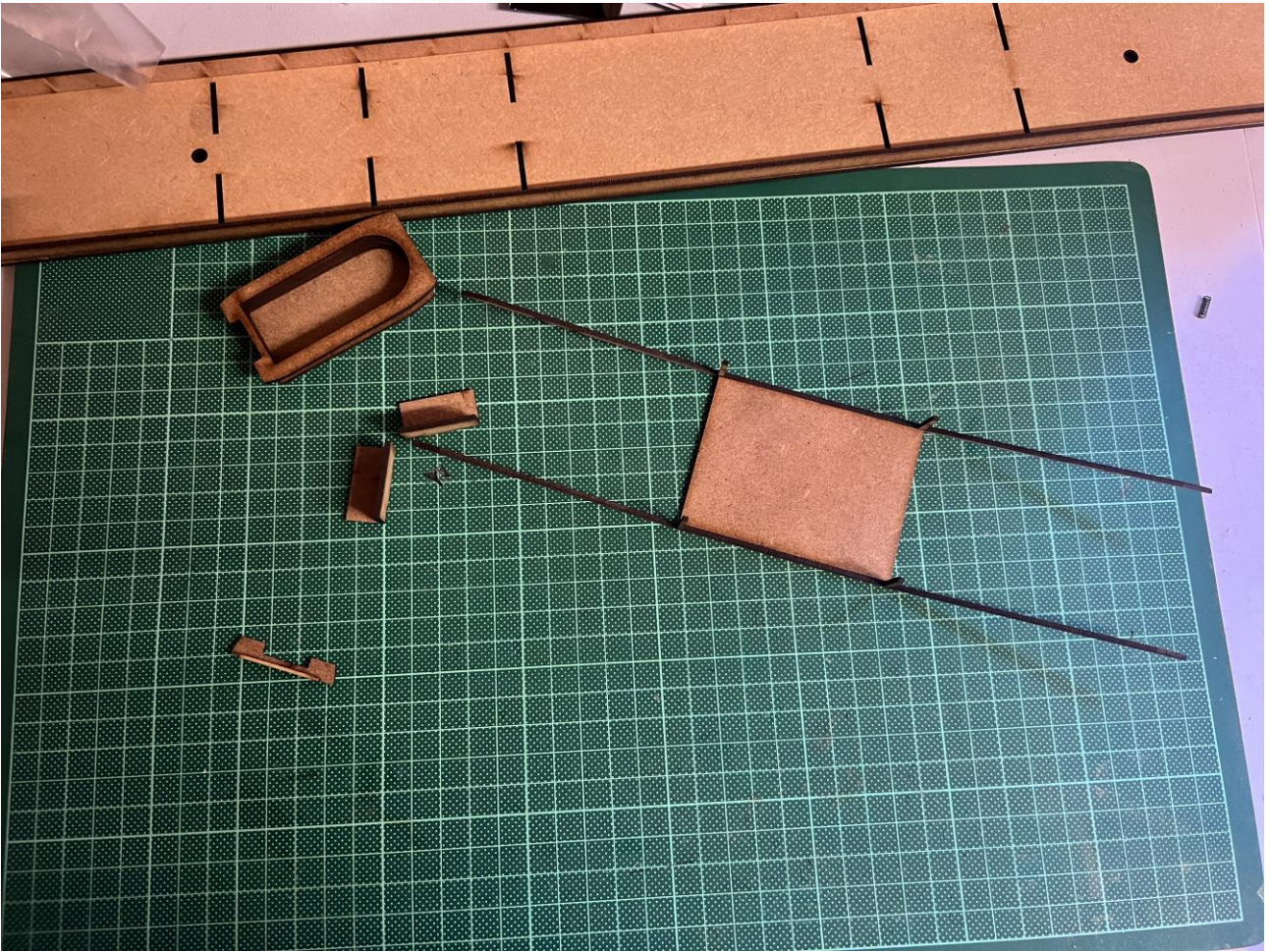
# Please Turn over

Please read through these instructions before beginning to assemble your  
kit



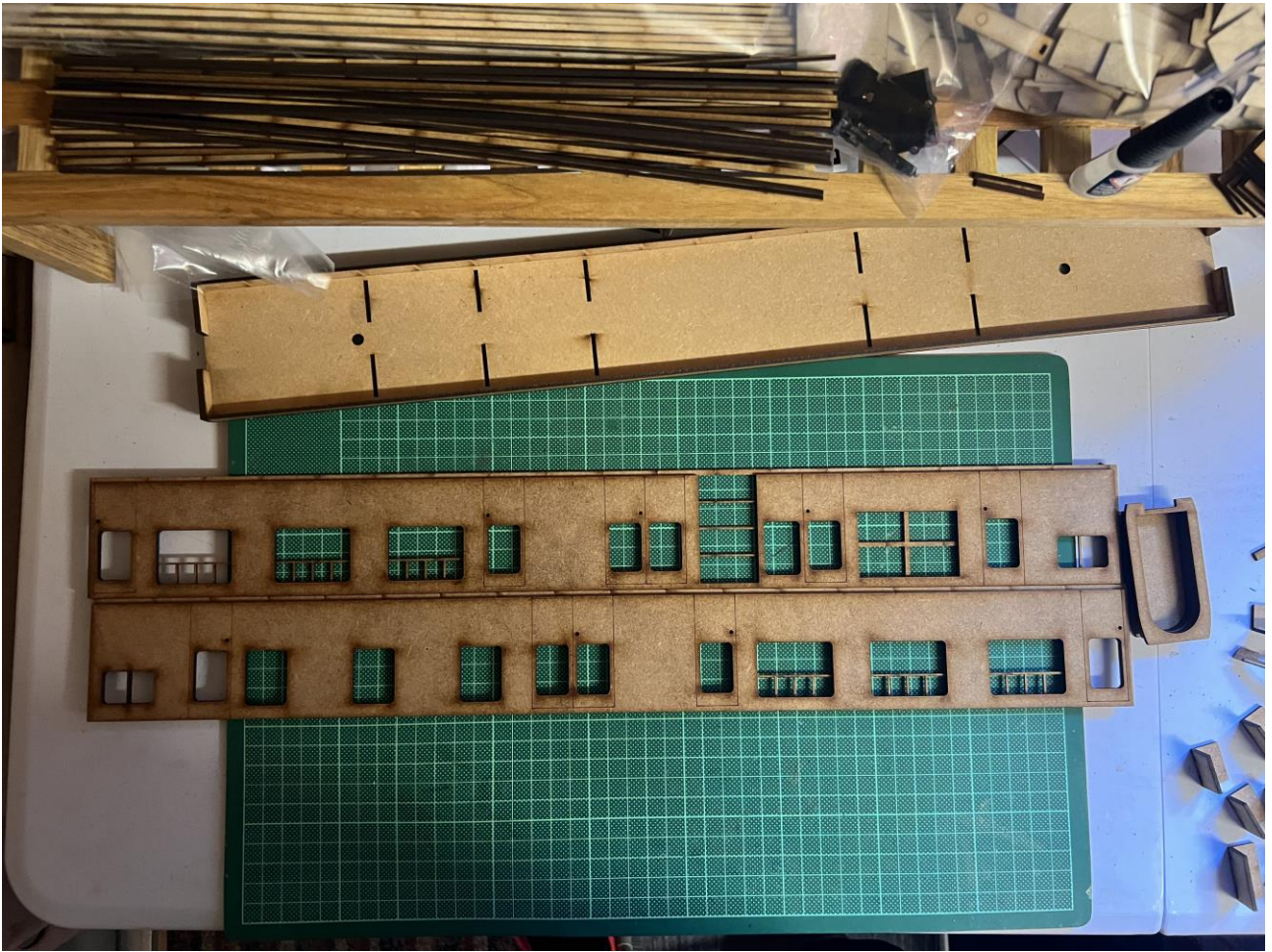
Start by assembling the Chassis. Glue the bufferbeams on and the chassis side. If you're using Kadees, you need the 4 shorter ones which will leave a gap in the middle for the Kadees to go through. If you're using 3 Link couplings, use the longer one that goes across the width of the coach.





Now's a good time to assemble some subassemblies. Start by gluing together the seats, truss rods/equipment bay and the power car corridor connectors.



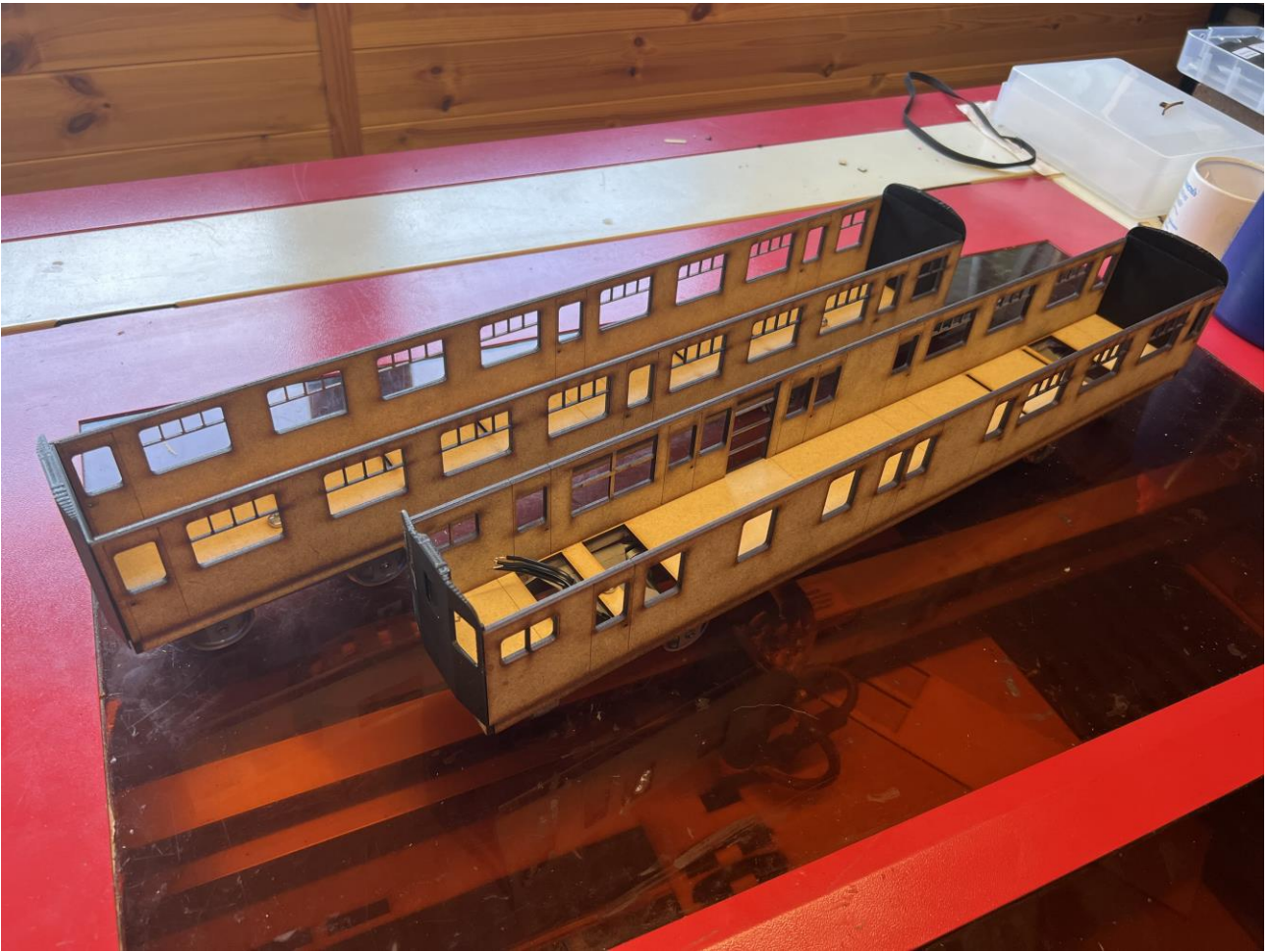


Also glue together the coach sides. These are formed of two parts which are paired with each other with the door handle holes lining up.



Now, glue the body together. The sides do slot inside the end panels in a slot and tab construction.





Now, bolt on the bogies as access to do so later will not be possible once the roof has been installed.

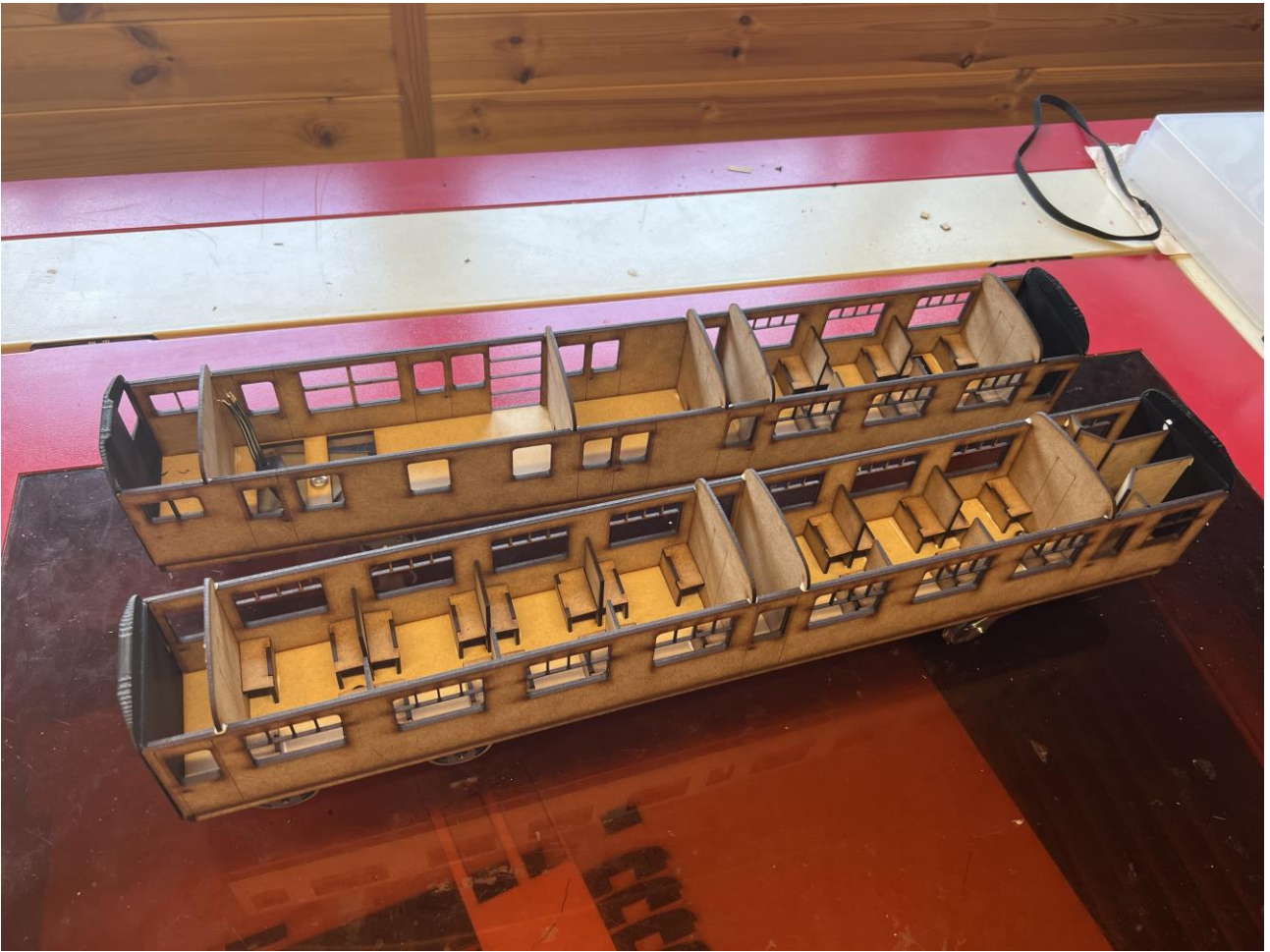


Now glue into place the internal partitions. Make sure each one is in the correct orientation with the slot in the floor running the length of the coach if you have opted for 2 motor bogies as this is the wiring run for the second bogie.



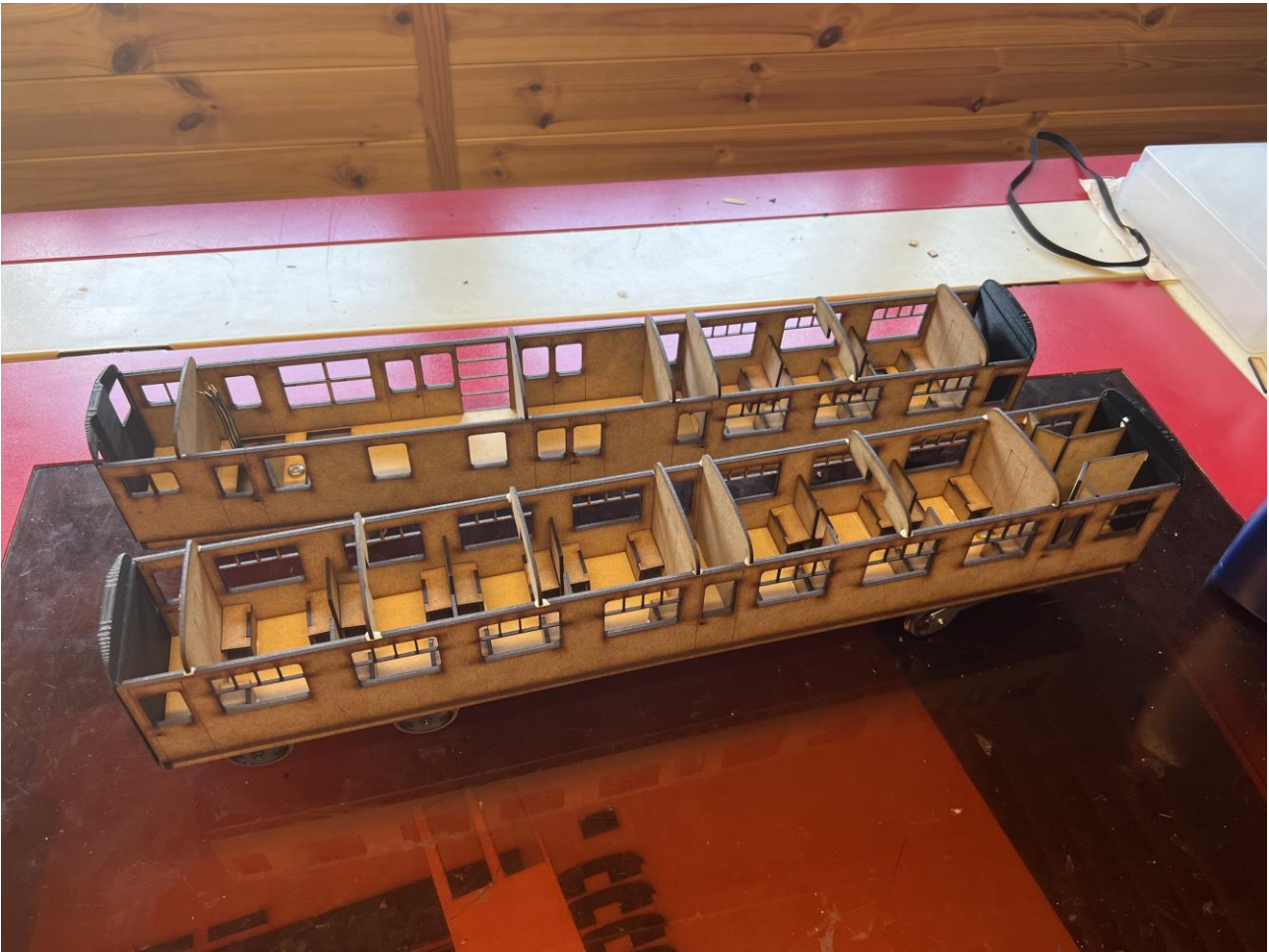


Now, glue into place the toilet compartments.

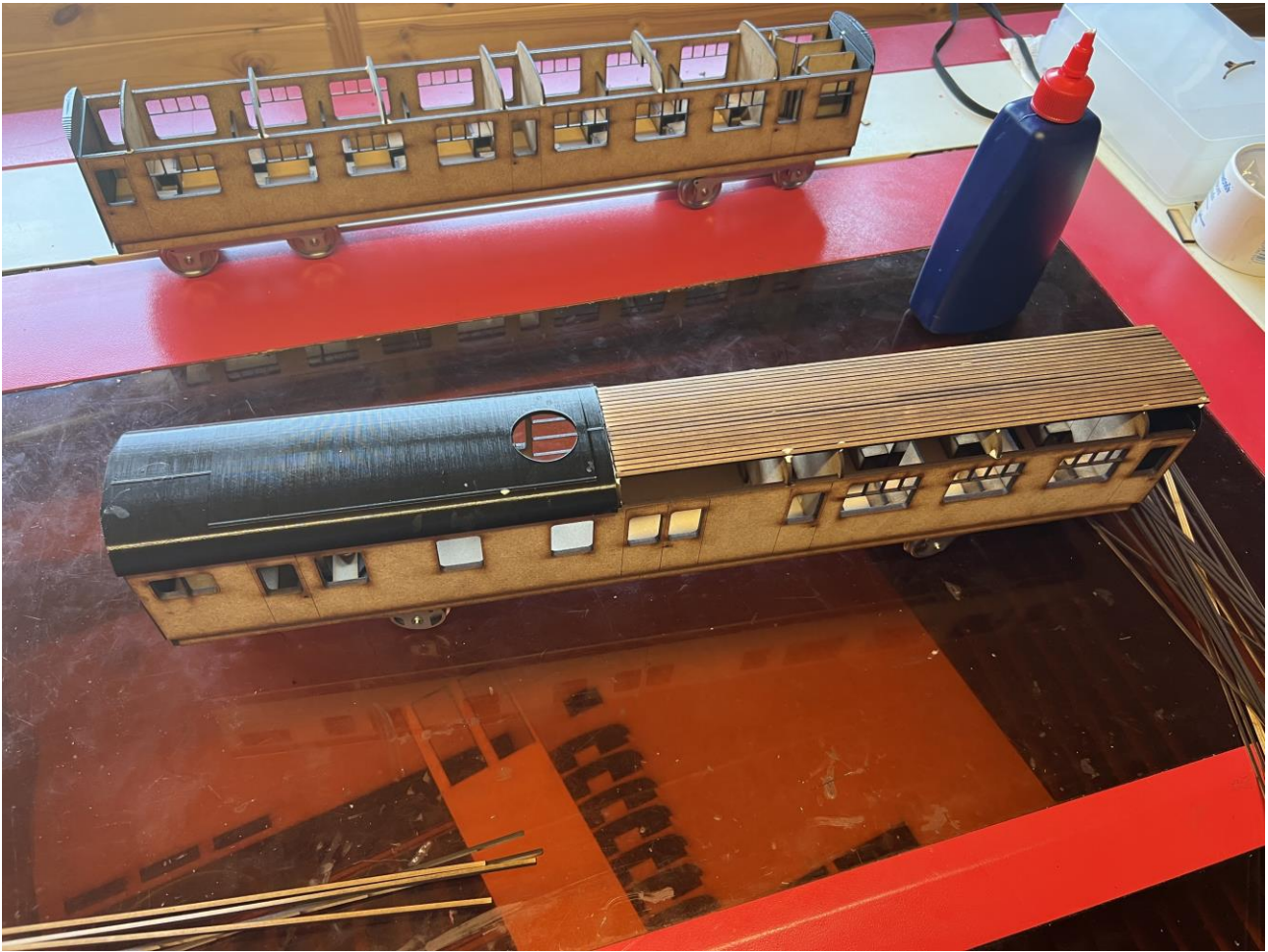


Now its interior assembly time. Glue into place the seat supports followed by the seats themselves. Take care over any holes in the floor if you chose to have 2 motor bogies.





Now its time to glue into place the roof supports for the coach. Notes on the power coach, use the 3D printed section to guide where they are needed as additional supports will be needed at the ends for the 3D printed roof.



To assemble the roof, start by using the wider sections across the larger curved area across the top.  
On the power coaches, it is recommended you place the 3D printed section on the roof for alignment purposes.





Next, glue into place the thinner sections on the side curved sections.



Notice the difference on the trailer coach going the full length of the coach.



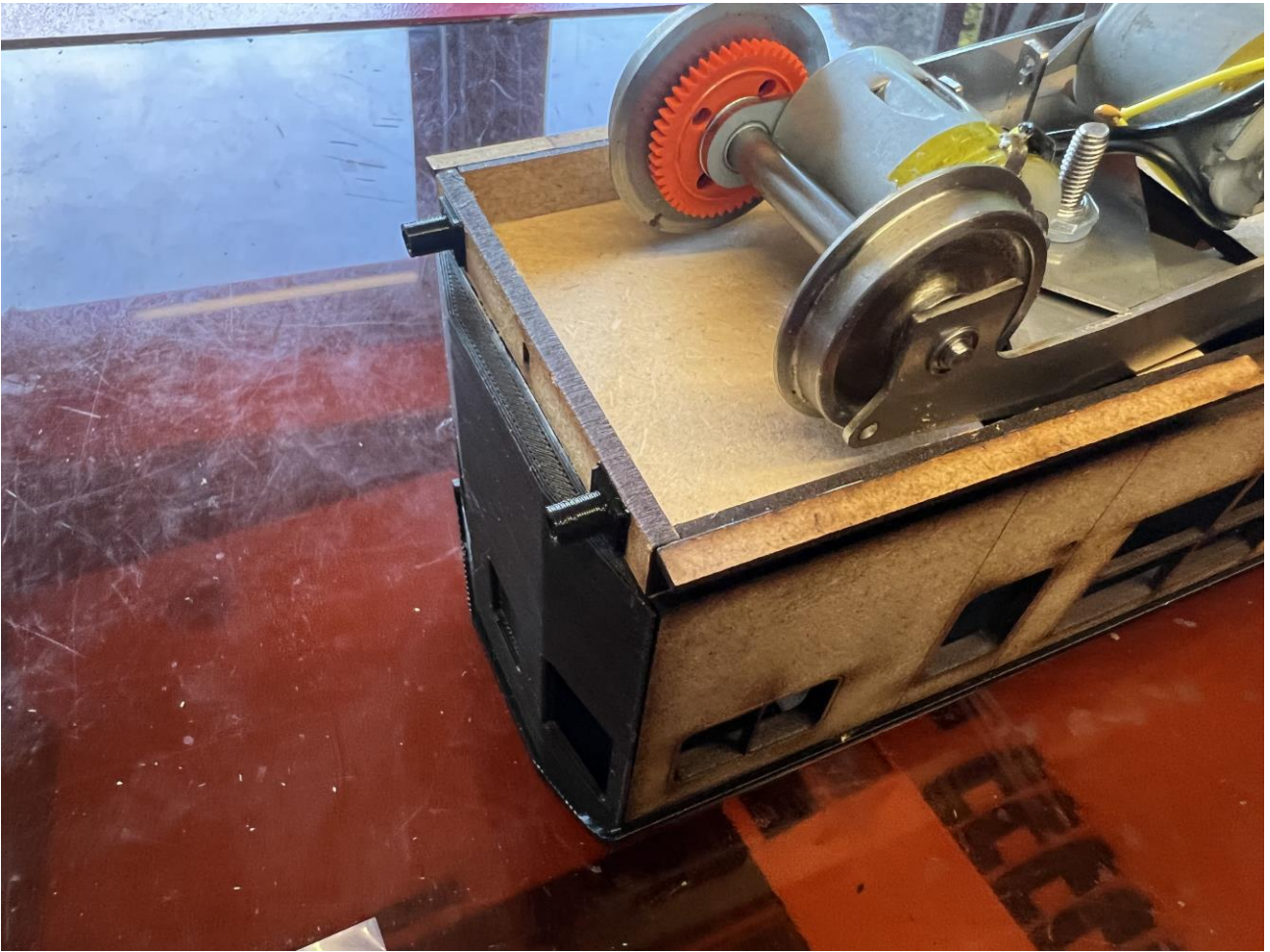


Next, trim down the ends to match the 3D printed end sections.



Now its time for the finishing touches. Start by gluing the outer steps onto the bottom of the chassis.



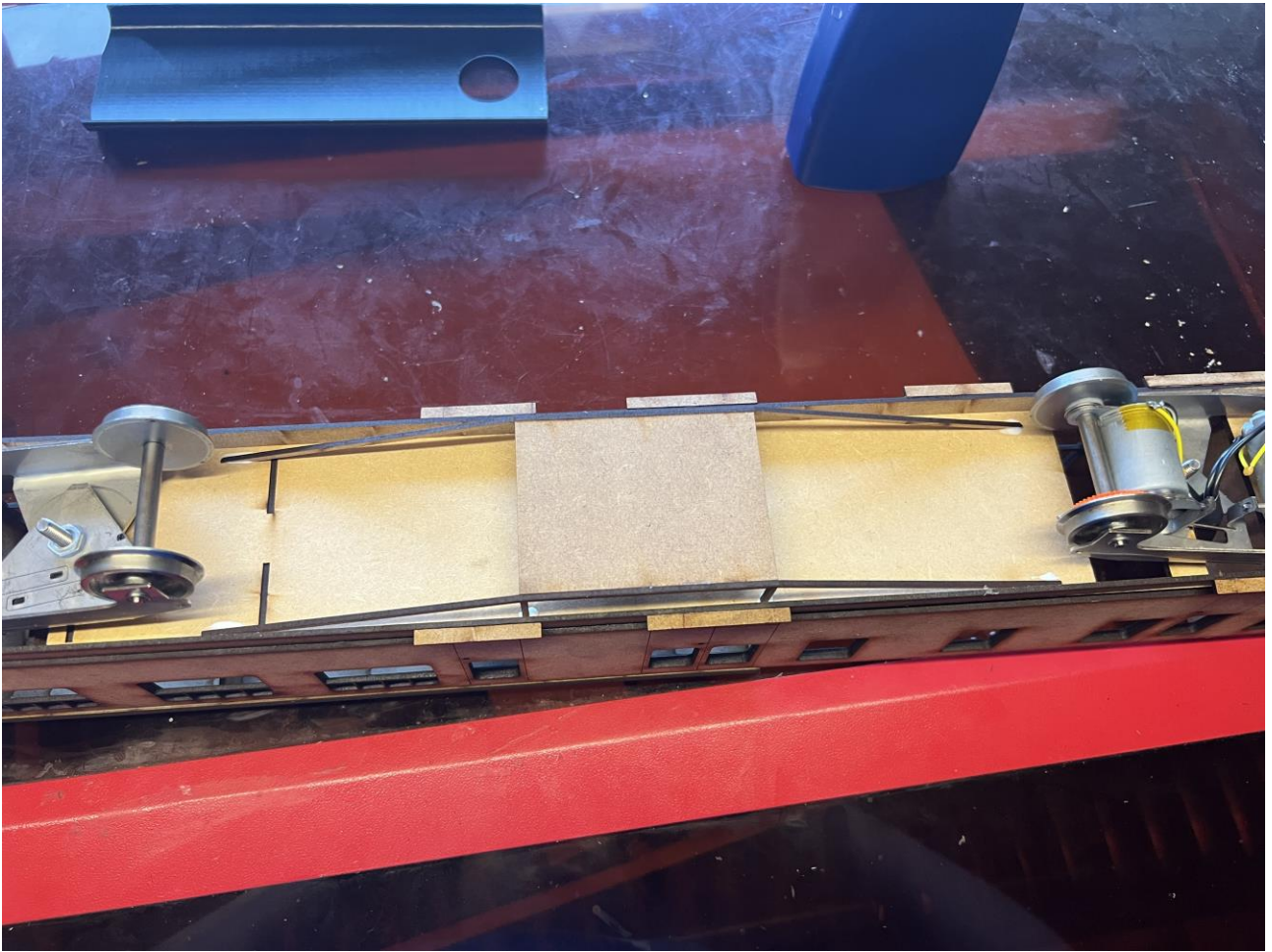


Next, glue into place the buffer housings on the end of the coach. Shown here is the full bufferbeam.....

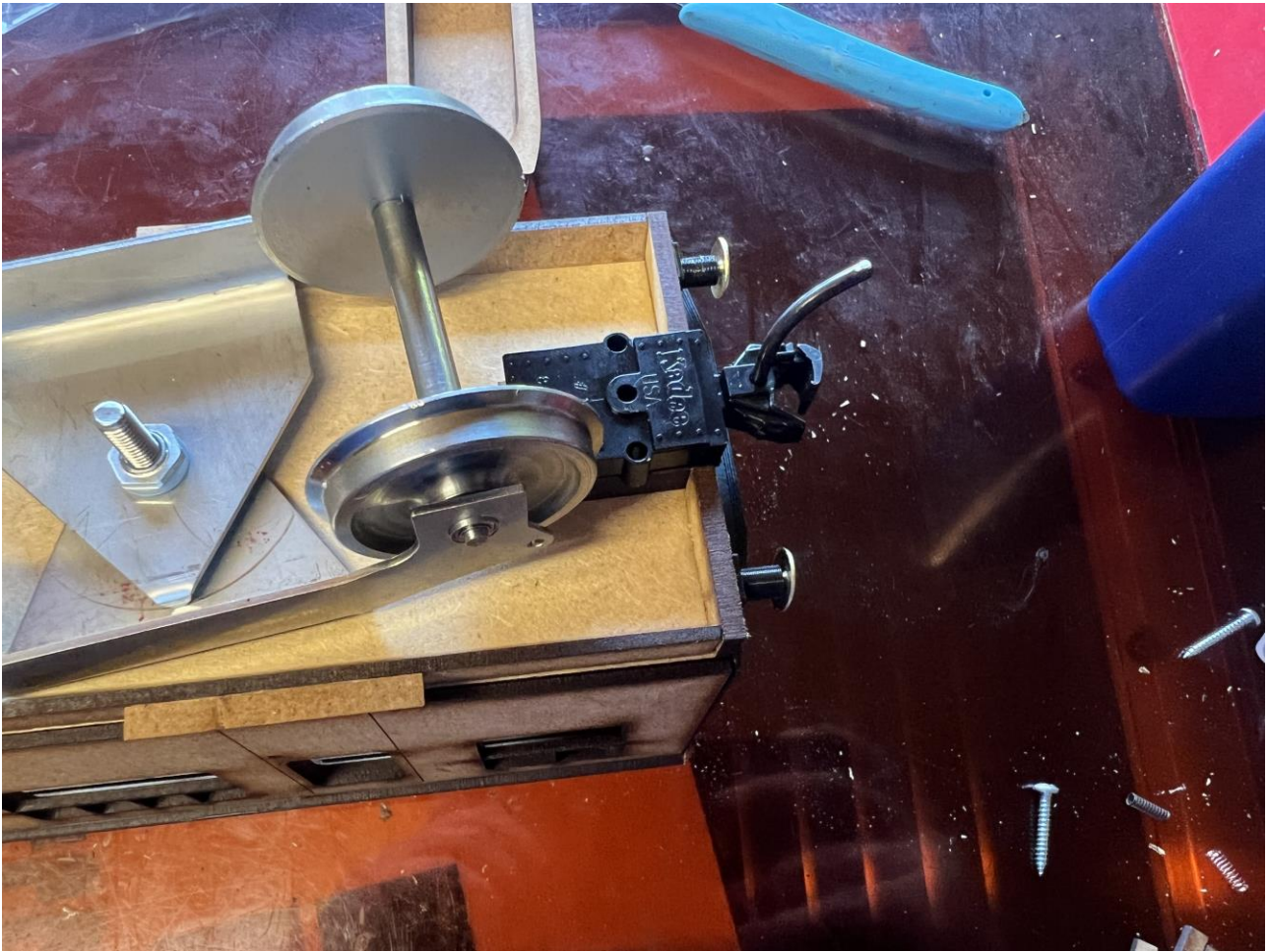


..... and shown here is the split bufferbeam for the Kadee units.





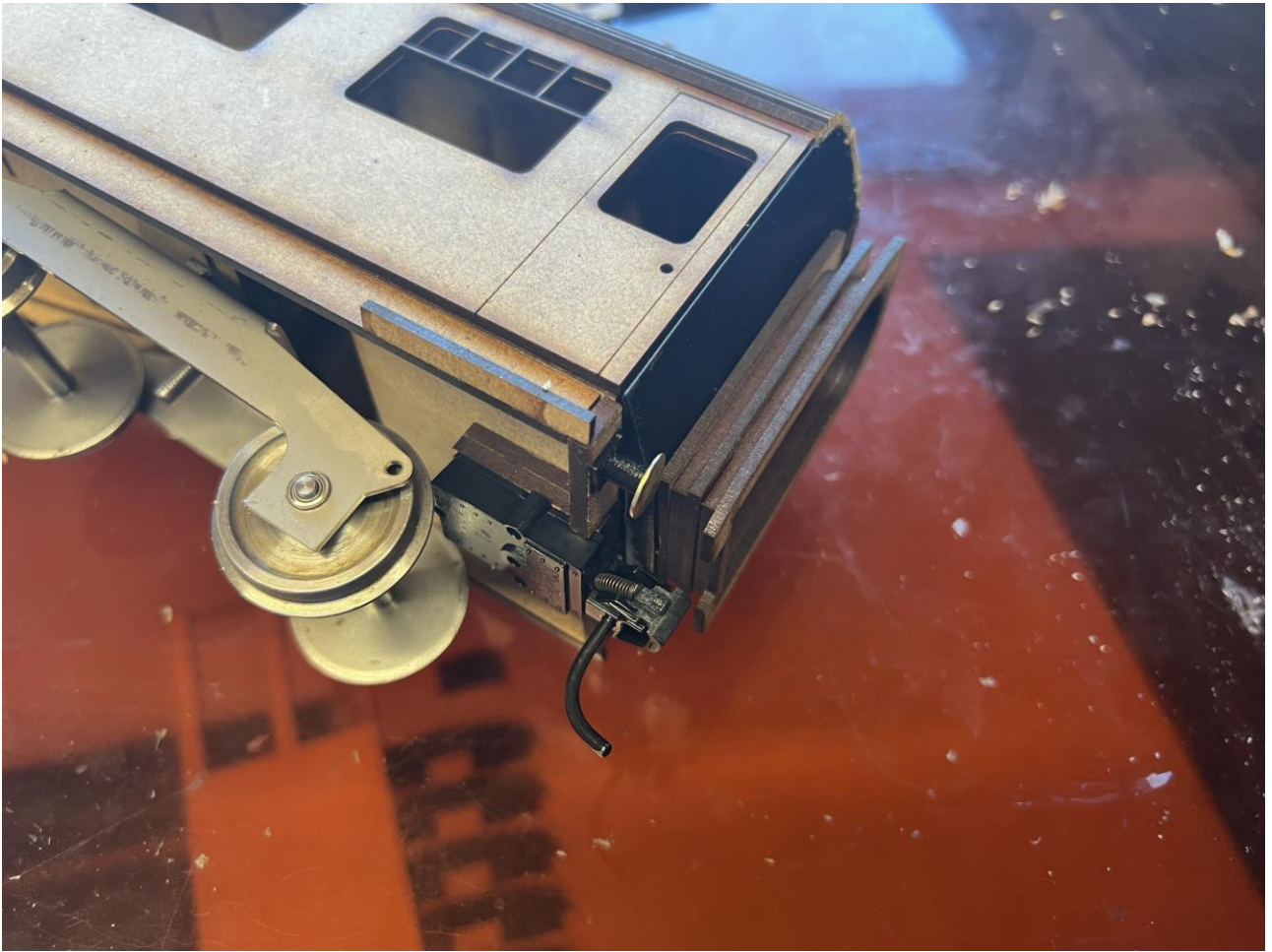
Now glue into place the truss rods/equipment tray into the middle of the underframe.



Time to install the Kadees if you're using them. Glue them onto the supplied support for the coach. The support is made up of either 2 3mm rectangles or 3 2mm rectangles which are the same size as the Kadee coupling body. It is recommended that you glue the couplings into place with the side holes being level with the back of the bufferbeam for best operational use.

If you're using 3 Link couplings, slot them into the provided slot and locate into position with the split pins provided.





Now glue into place the buffer heads into their housings.



To finish the unit off, glue the bogie sides onto the outside of the fosworks bogies.





Then glue into place the springs so the hole in the middle is central over the hole in the chassis side.



To finish off, glue into place the axlebox covers over the springs.





The final stage is to glue the fan cover into the hole in the 3D printed roof to complete the final part.

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](mailto:info@bowatersmodels.co.uk)

We thank you for your custom.