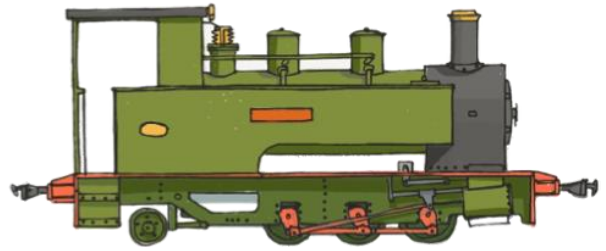


Bowaters

MODELS

specialising in distinctive 16mm models



Bowaters Models – BMI Series Instructions IoMR 1876/1881 ‘Small F’s F.1-F.12



Requires

- Bowaters Models IoM Bogies
- Accucraft Chopper Couplings Z2

Required Tools

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

Prototype Information

The initial three batches (as modelled) were supplied by [Brown Marshall](#) and Ashburys and became known as the "*Small Fs*" as they are noticeably smaller in size than the later vehicles being 35 feet long and 9'6" from rail to roof; all had wooden frames and had the frames concealed by the lower panelling of the carriage bodies, though at various periods where the frames would normally show was indicated with a broad black stripe at the bottom of the lower panels to match later carriages, this feature was reinstated in 2013. Coaches listed with "Guard" in the layout had a handbrake fitted in a locking housing in one of the end compartments. In addition to the handbrake a lookout window was cut in the end of carriage. 3 of these coaches survive on the railway with 2 sold off and located at other locations although their current status is unknown.

About the Kit

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

Chassis Fitting

This kit is designed for our own design of IoM bogies. These are assembled as per the instructions. These are then fitted near the end of the assembly stage.

Couplings

This kit is designed to make use of Accucraft Chopper Couplings which are to be mounted in the prototypical location or at 16mm Height depending on which option is chosen.

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 builds for BMI-001 and BMI-002 which isn't representative of the kit you have brought. They are for reference purposes only.

Painting

Over the years, these coaches have carried many different liveries. When painting these coaches, reference against prototype images to make sure your model is correct. As they are based on the later operating condition in the 1960s and as running today, the paint scheme is as follows:-

- As running today/1960s
 - Cream and Red similar to BR Blood and Custard

Please Turn over

Please read though these instructions before beginning to assemble your
kit

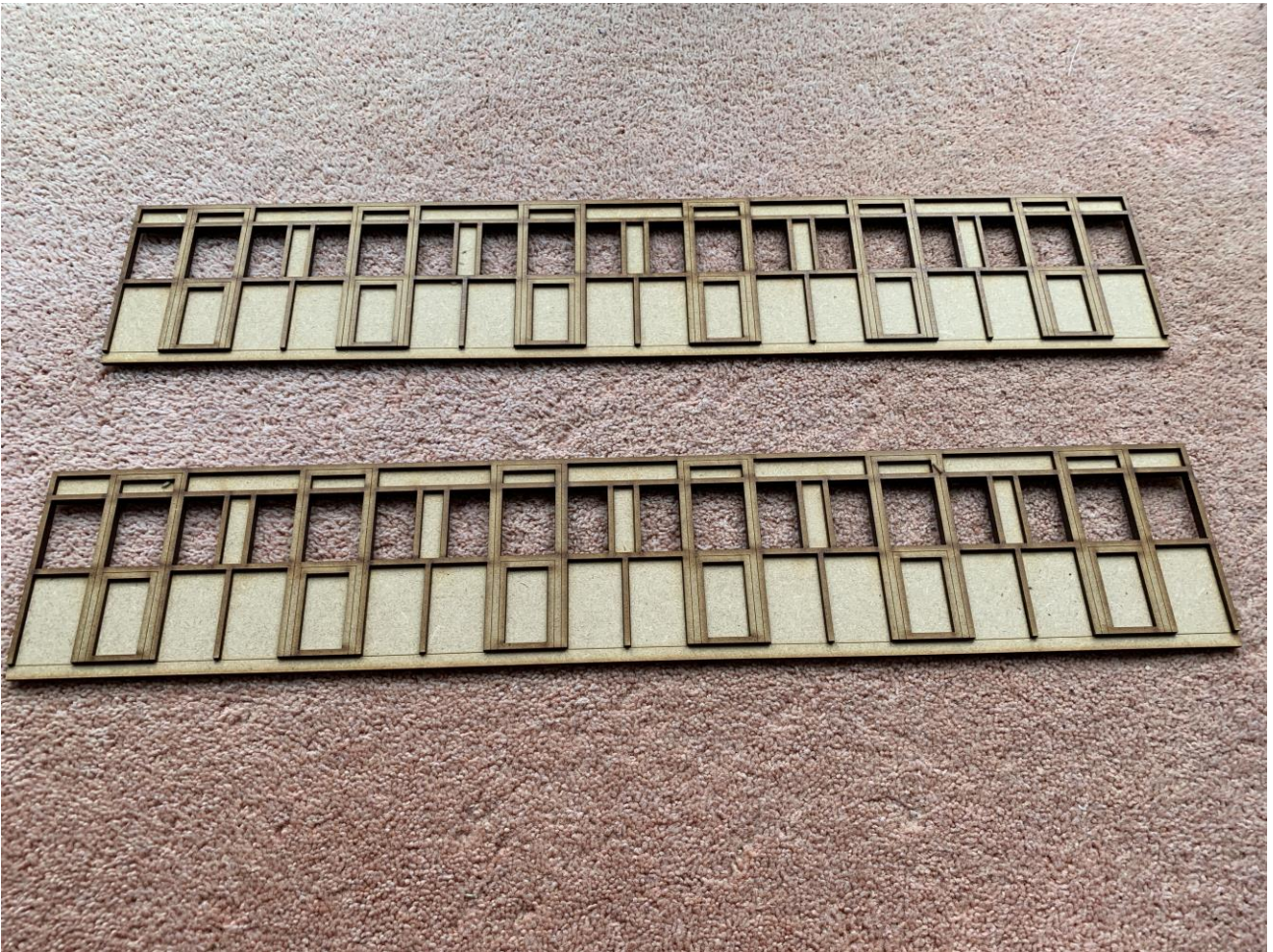


Start by gluing the bufferbeams onto each end of the coach. There are two to choose from. Depending on which bufferbeam you choose, there are two different bufferbeams. Left, 16mm Height. Right, scale Isle of Man Height. The couplings are mounted on the ends of the coach by either gluing or drilling and bolting them in. We recommend using existing stock to check the heights are correct. We can advise for those who have no existing stock of any prototype should it be required.

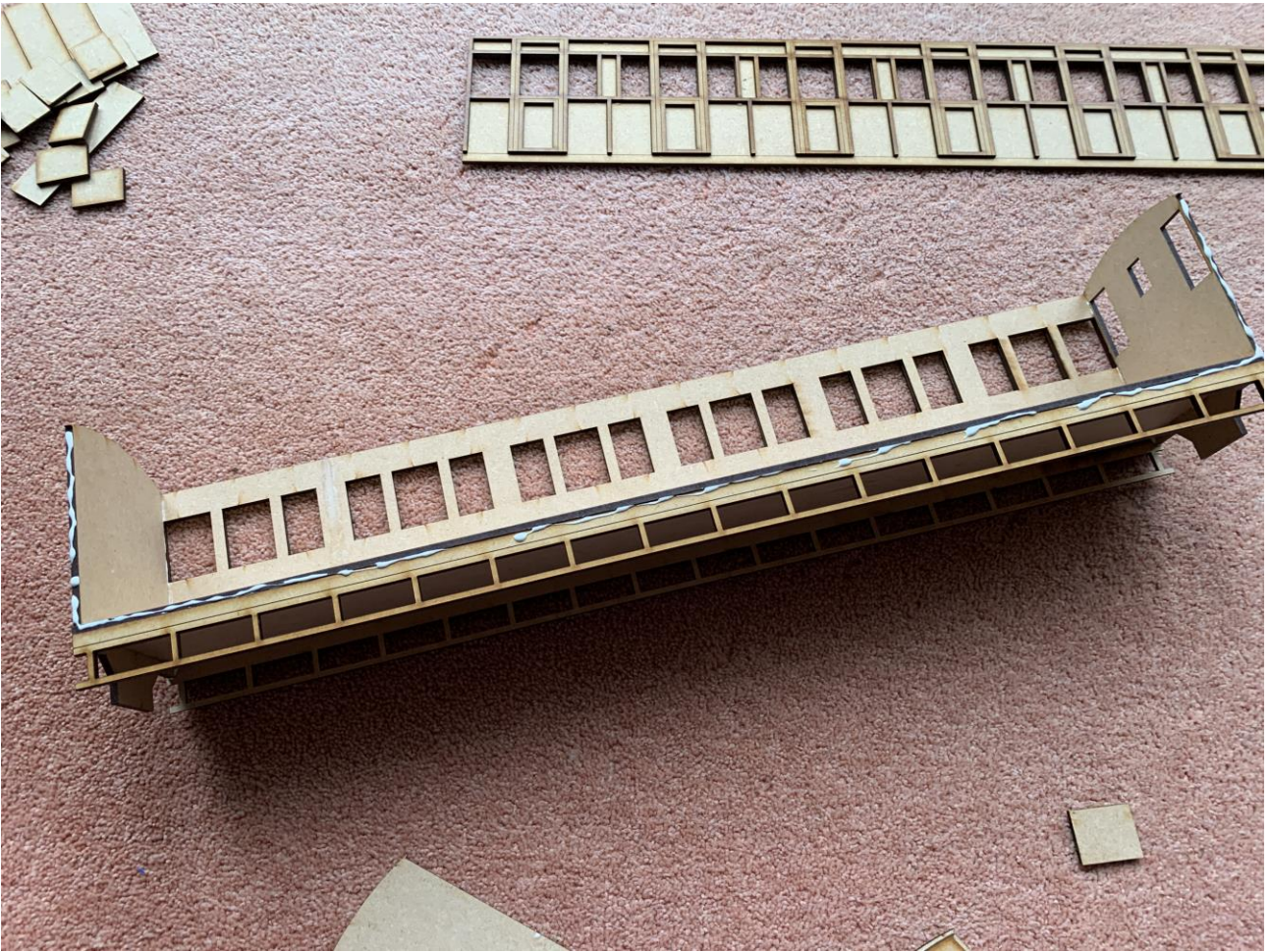
For those who wish to do so, as the bogie design allows for mounting the couplings onto them (it is down to the customer to produce this), we recommend the scale bufferbeam for those who want to mount their couplings onto the bogie and the design allows for this option. This is how the Accucraft Pairs Coaches have their couplings mounted.



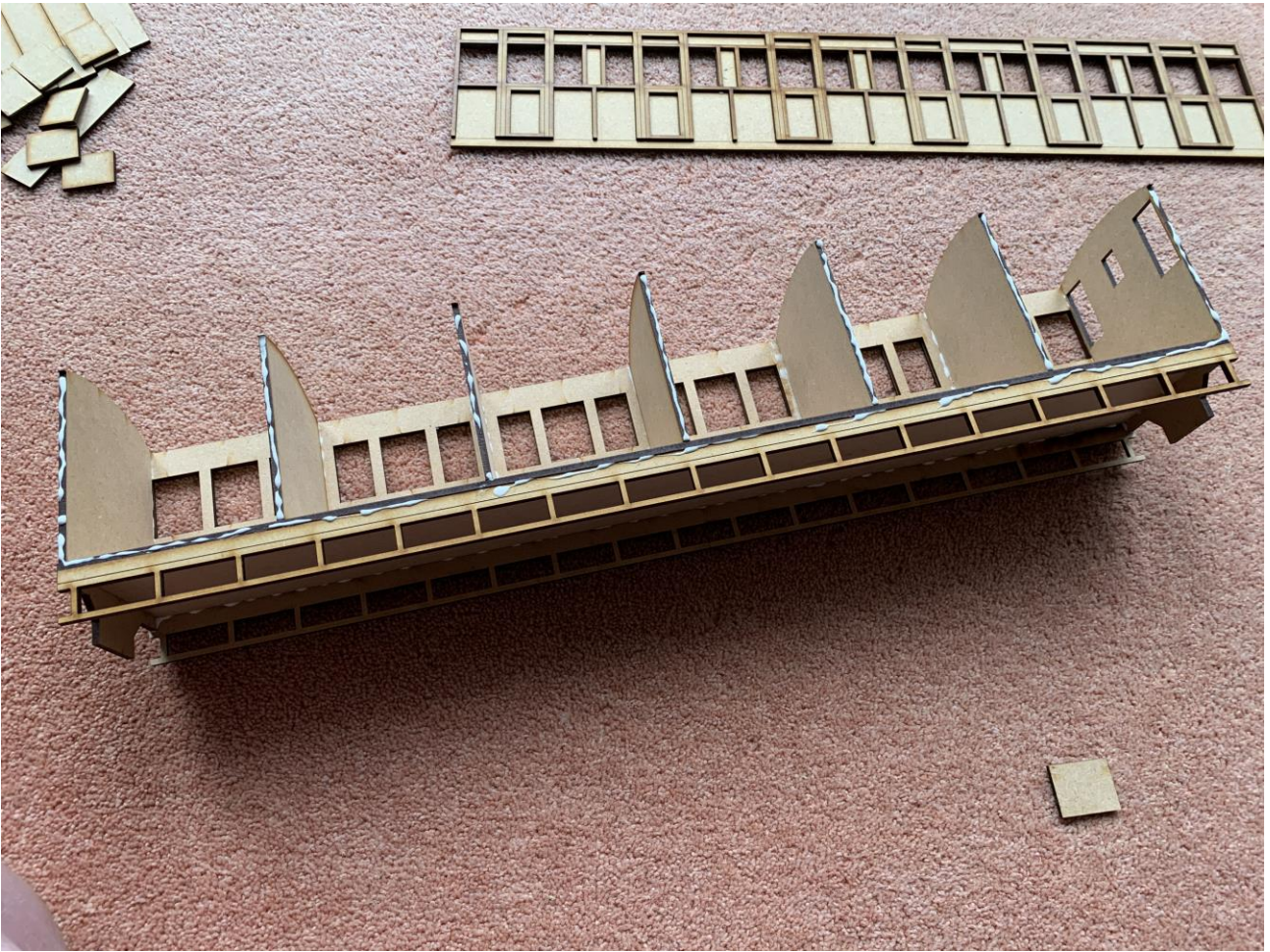
Next glue on the chassis side pieces/step supports onto the edges of the chassis.



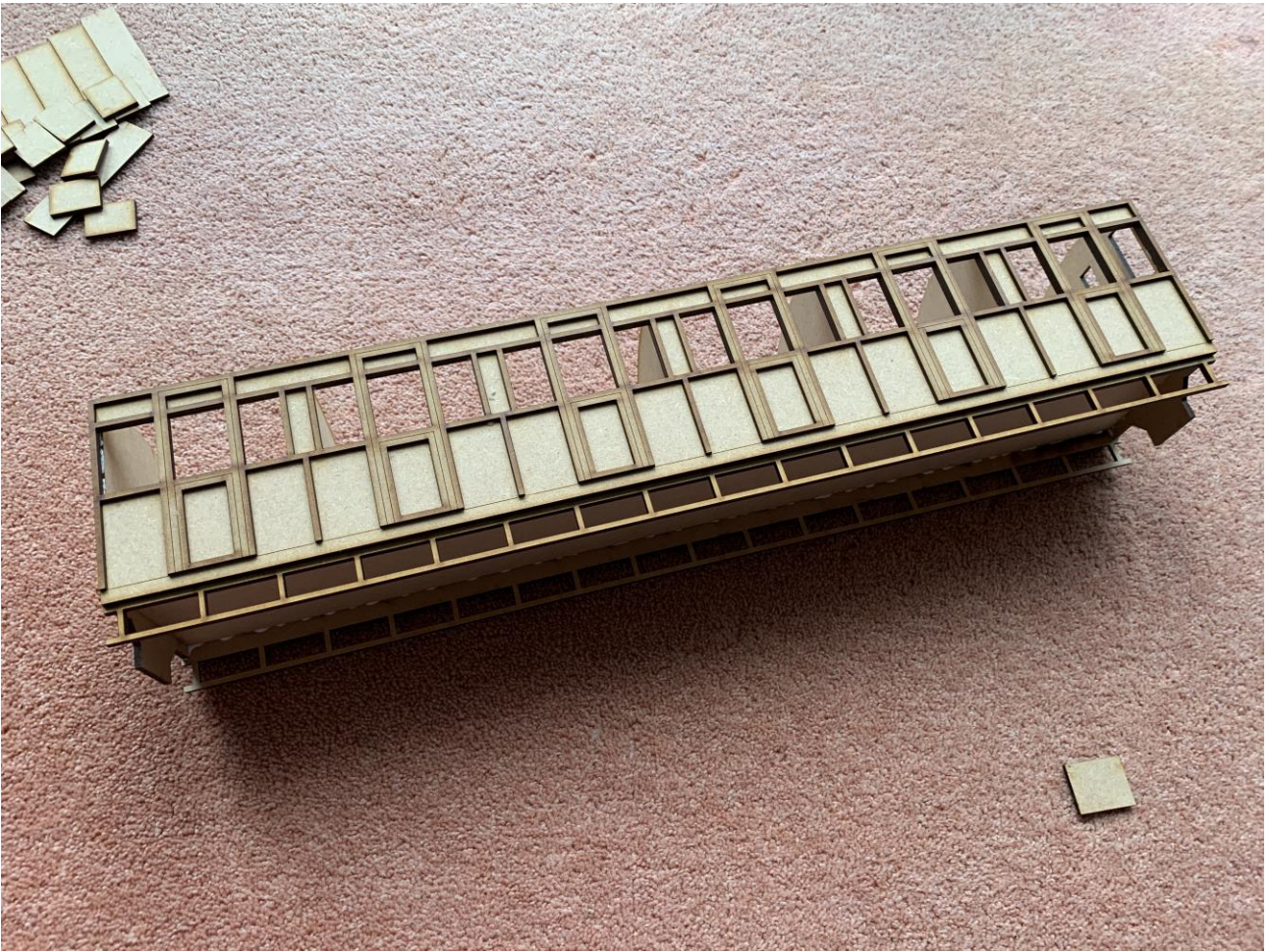
Now time to start on the main body. Glue the 2mm overlays onto the coach sides placing them over the top of the etched lines on the sides.



Now glue the two end pieces (the ones with etched lines and in the case of the guards coaches, a windows for the brake compartment) onto the top of the chassis (which has more etched lines on it) along with one of the sides.



Now start adding all the internal partitions over the further etched lines.



Now glue on the other side of the body.



Start assembly of the seats. One seat support goes in the corner of each compartment on the coach.



Add the seat tops on the seat supports.



Next job, glue on the end beading onto each end of the coach.



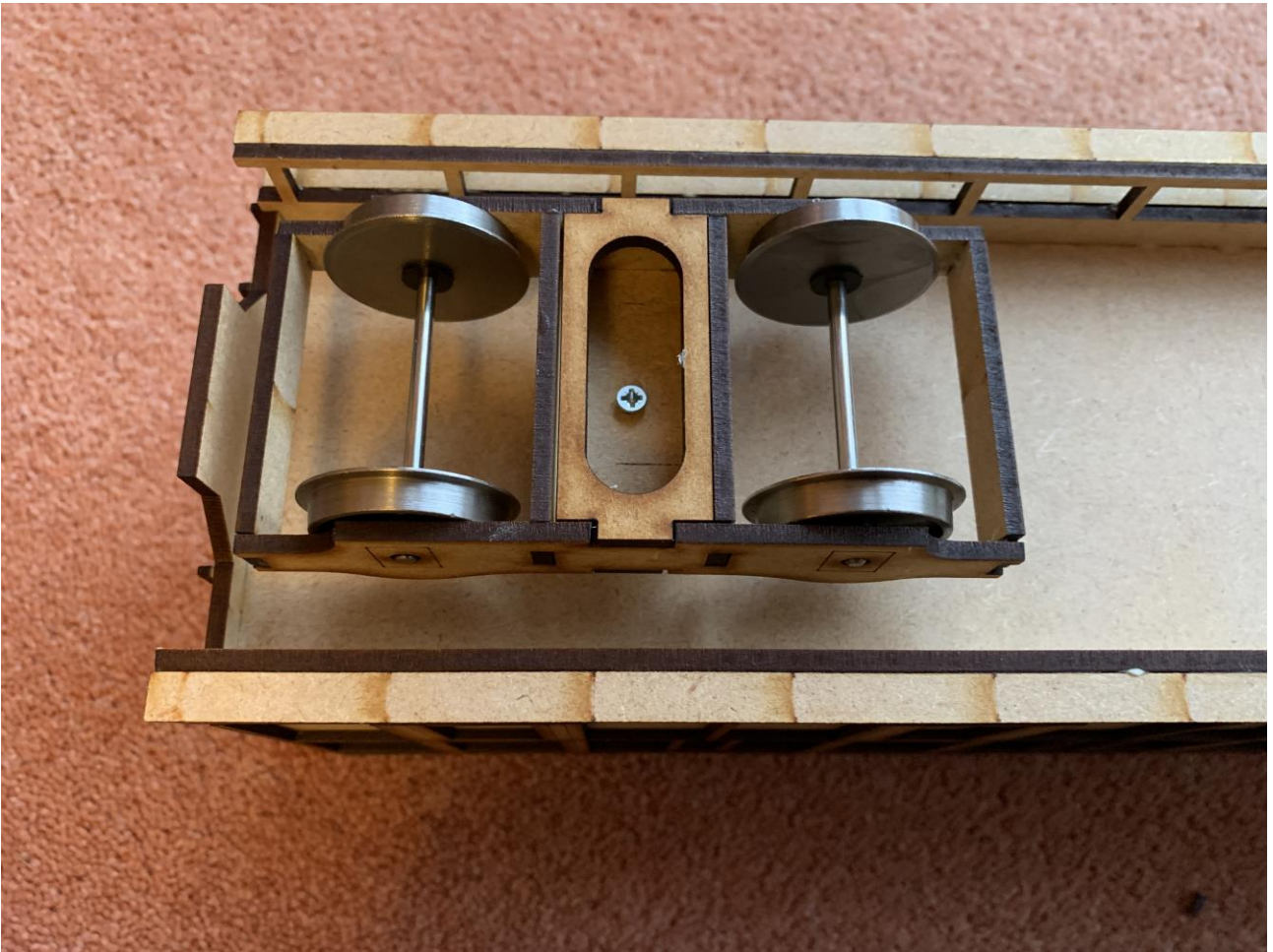
Next, add the steps. These are glued with the thinner one on the top rail and the thicker one on the bottom rail. To help identify these from the roof beams, these are shorter in length and there is 4 of them in total (2 thin, 2 thicker)



Now glue on the roofbeams. These run the length of the coach including over the beading on the ends of the coach.



Depending on which coach you are modelling, the brake handle cover should be fitted on the end with the lookout cut into it. This is fitted over the top of the beading and slots into place. A small amount of glue to hold it in is recommended.



Next, glue the bogies onto the ends of the coach. These go in the middle of the coach with room to swing around curves.

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.