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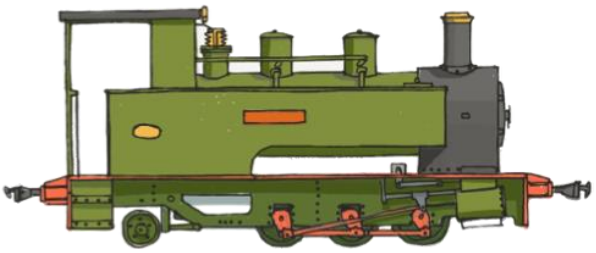


Bowaters Models – BMR Series Instructions
Burma Mines Railway Bogie Box Van

Requires

- Bowaters Models BMR Wagon Bogies in the gauge of your choice
- Accucraft Chopper Couplings Z2/IP Engineering Turned Steel Buffers

Required Tools

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

Version 1.0

Prototype Information

Established in the early 1900s, the Burma Mines Railway was developed as a 50 mile long, 2foot gauge line in northeastern Burma (now Myanmar). Its purpose was to take mineral ores from the mine at Bawdwin, to the smelter at Namtu, and then the product then down to connect with the national railway system at Namyao.

Steep grades, tight turns work the locos hard, and the 540 degree spiral just outside Tiger Camp at Bawdwin was a favourite photographic spot. The line still exists with diesel power, but the southern section down to the national rail system is rarely used, and the area itself is deemed a 'Security Area' by the Myanmar authorities, so access is severely limited.

With that in mind, information on the rolling stock is scarce, so these kits are developed largely on engineering assessment of photographic data. Additionally minor compromises have been have to be in the conversion to kit form. The kits are intended to be good models in their own right, but will benefit for additional detailing. A web-search will reveal footage and photos from the few railtours who have managed to gain official permission to visit the line in the last few years.

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 BMR Wagon Bogies. These are assembled as per the instructions. These are fitted at the end of the assembly stage.

Couplings

This kit is designed to make use of Accucraft Chopper Couplings or IP Engineering Turned Steel Buffers 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 builds for BMR-001, BMR-002 and BMR-003 which isn’t representative of the kit you have brought. They are for reference purposes only.

Painting

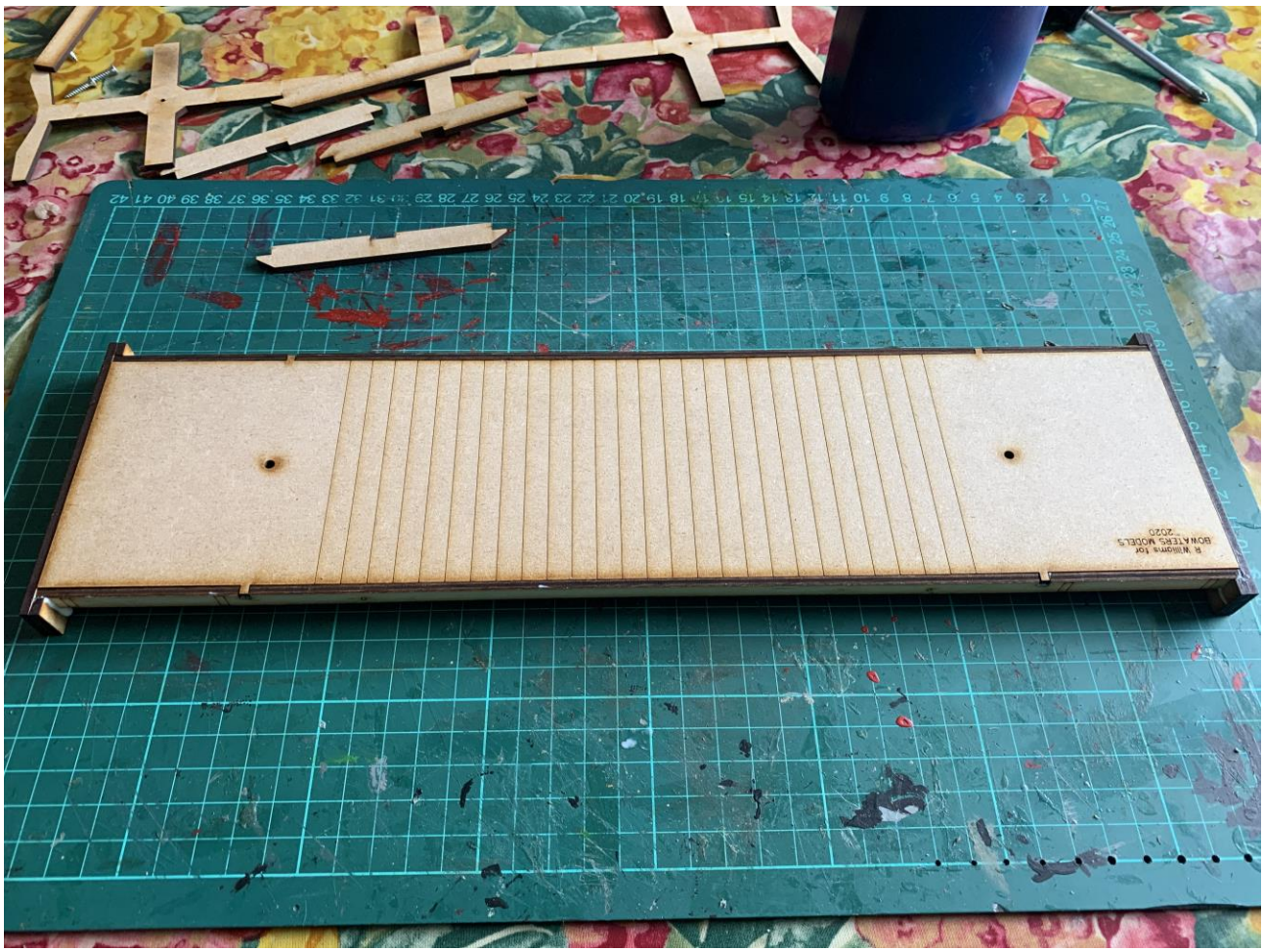
- Main Paint Scheme
  - The current wagons seem to be have been painted in red oxide, but are all heavily weathered/sunbleached

Please Turn over

Please read though these instructions before beginning to assemble your kit

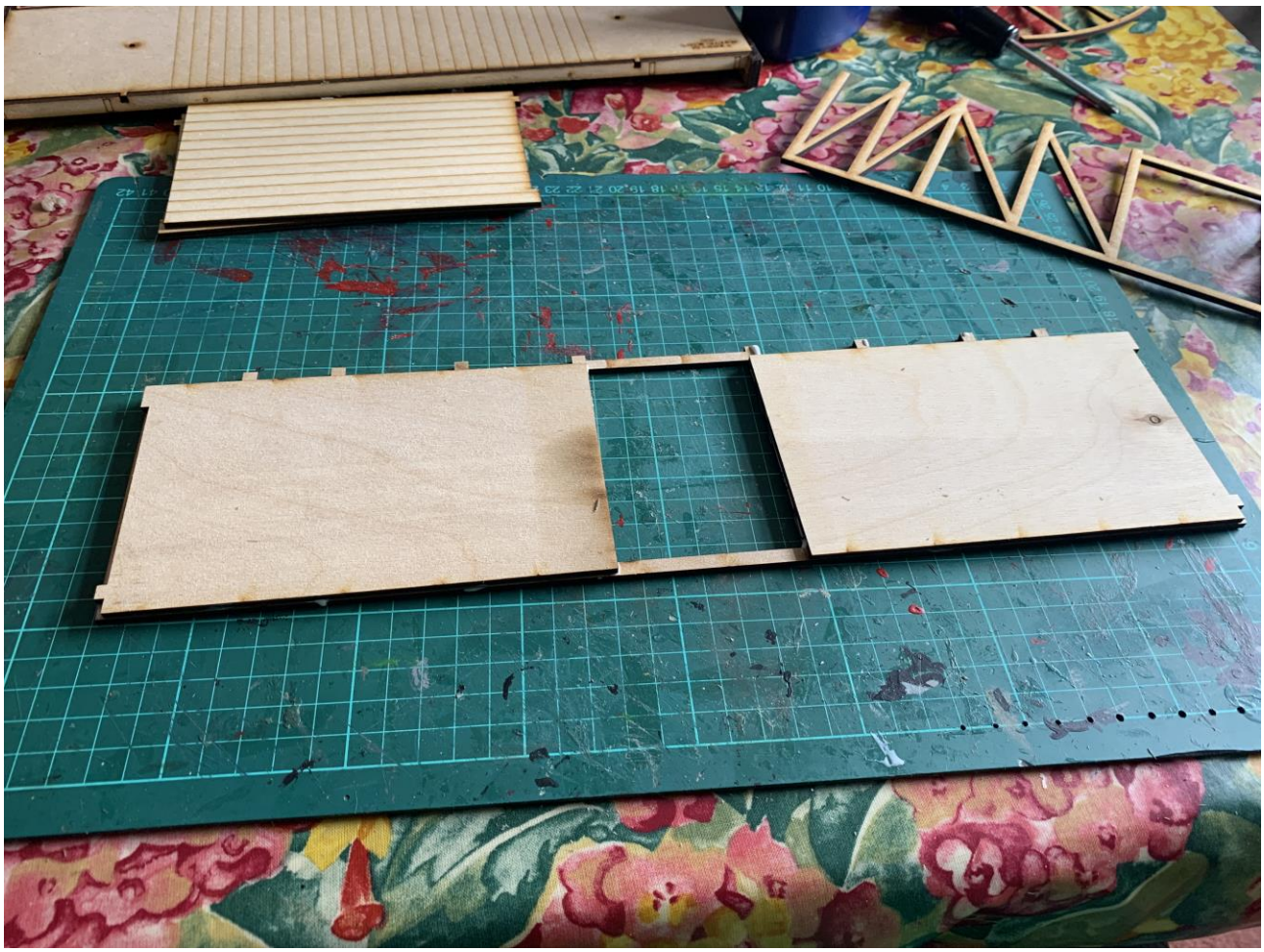
Start by gluing the two different buffer beam sections together. They sit on top of each other and form a two layer construction. If you want to fit Accucraft chopper couplings, drill out the small 2mm holes from the back, if you want to fit the turned steel buffers, drill out the larger hole from the front.

Next, glue on the chassis side sections. These have small notches which sit in the top of of the model with the tops flush.

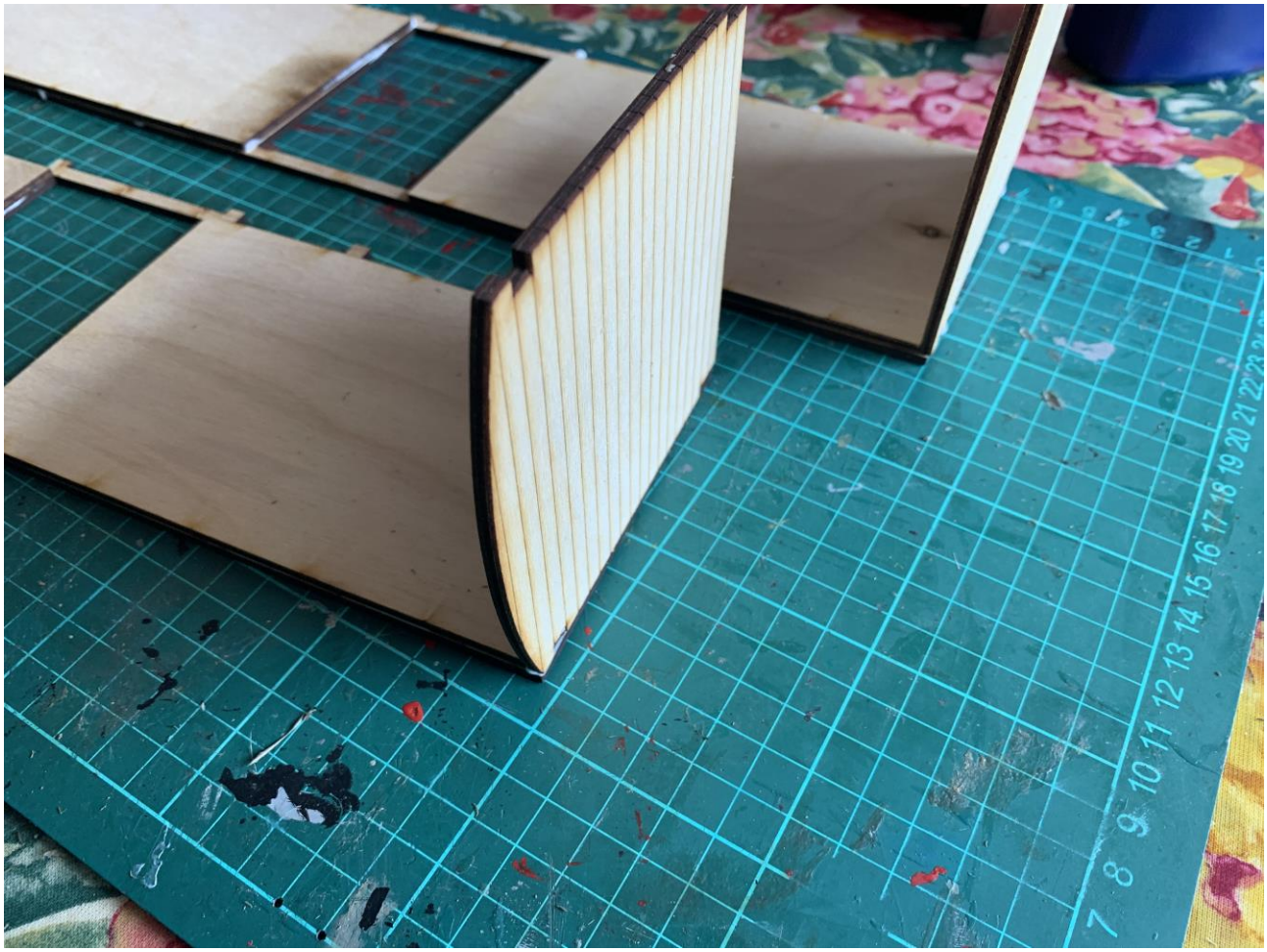


Now glue on the main floor piece. This sits inside the chassis outer pieces and the bufferbeams.

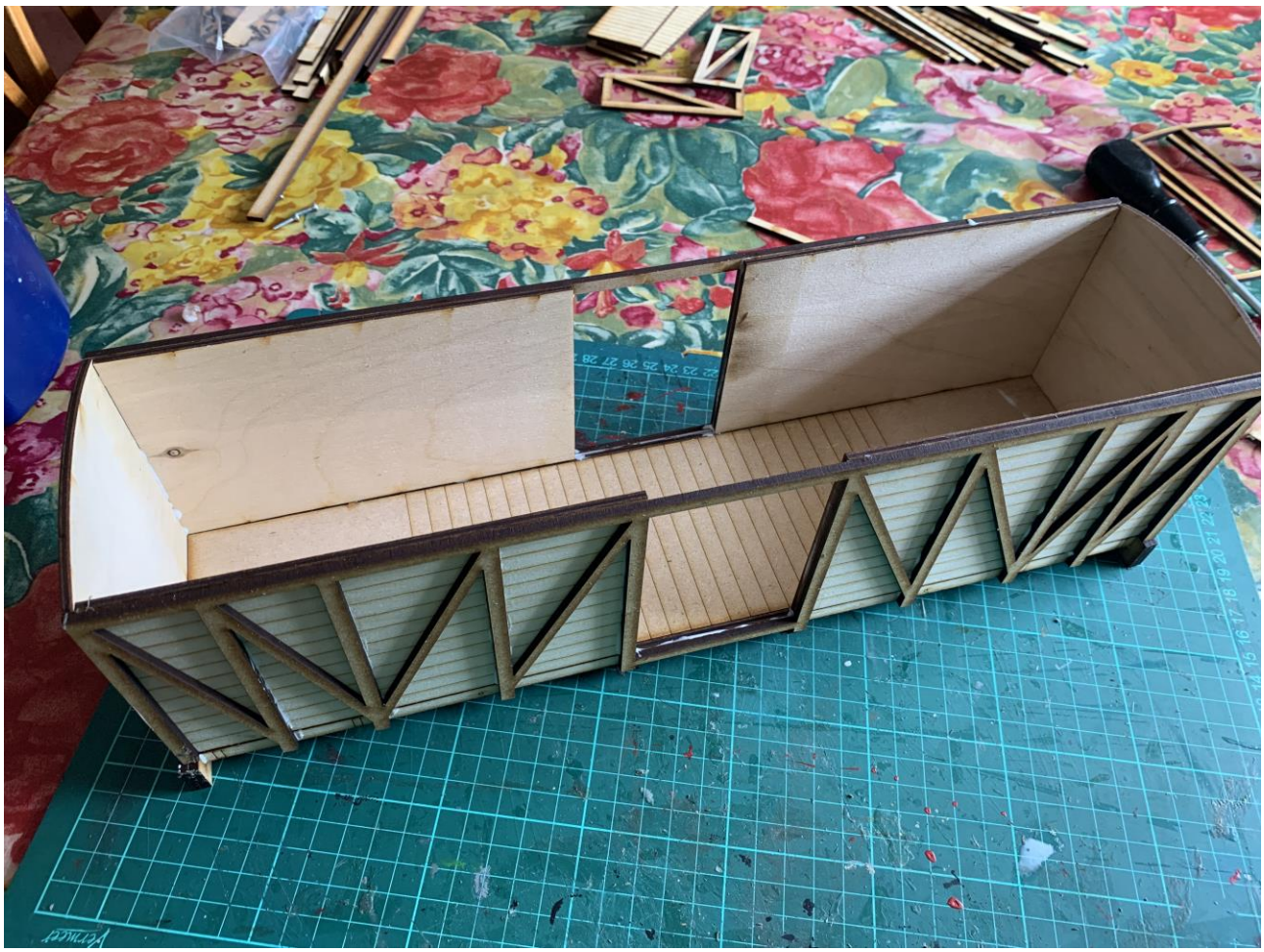
Now glue in the chassis support section which fits in the recess created by the sides, bufferbeams and floor.



Now its time to work on the body. Start by gluing the body framing onto the side panels. The piece sit with the small tab at the top of the part and the tops of the framing/sides flush with each other. The tab should also be flush with the ends of the side panel.



Now its time to start assembly, start by gluing one end piece onto each side panel. These sit on the same end.



Now join the two side/end sections together and glue them onto the floor. The framing sits over the sides of the chassis with the ends flush.

There is etched detailing that goes onto the outside of the framing. There are two lengths with the shorter ones going on the ends and the longer ones inbetween. It is recommended you make sure they are all the same way up to give a consistent appearance across the model. It should be noted however, that on the 4 different vans identified during development, none of them are identical to each other!

The doors are formed of a framing section and the door panel itself sitting underneath. There are 4 doors in total which are paired.

The doors sit flush with the outside of the framing and can be modelled as either open or shut (as shown above). The framing of the door should be flush with the outside framing of the body (not as shown in the photo)

Now glue on the framing top piece which sits on top of the detailing sections.

Now glue on the framing top piece which sits on top of the detailing sections.

The final step before going on the roof is gluing on the van end beading which sits on the ends of the van level with the top of the curved section.

Now it is time to finish the chassis, glue the cross beams into place into the slot on the underside of the chassis. There are two crossbeams per slot. These line up with the door pillars.

The roof is made up of a substructure of 4 identical curved pieces with notches in them for the cross beams (another 3 Identical pieces) which allow for the roof to be made removable. The roof beams are then glued across this to form the roof. It is recommended the substructure is in place if you're making the roof removable to ensure it can be the correct shape and cover the whole roof.

The final step is to glue on the chassis bolsters followed by screwing in the bogies. The couplings can either be glued or screwed in place on the ends at your preferred height.

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.