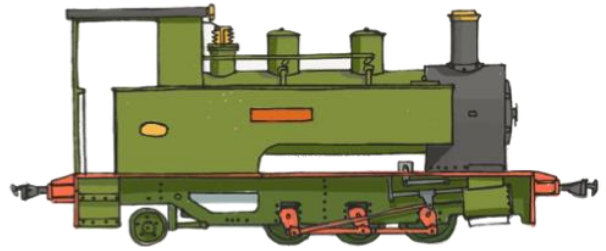


# Bowaters

## MODELS

specialising in distinctive 16mm models



### Bowaters Models – BMGC Series Instructions

### GWR Hawksworth Coaches



#### 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 and similar coaches were used around the Western Region for a wide range of passenger services being designed by design personnel under CME Frederick Hawksworth. The examples designed cover the last bogie coaches designed by the Great Western Railway and were the most modern designs produced by that company.

## 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 GWR Hawksworth Bogies. These 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-034 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 (Grouping or Nationalisation).

# Please Turn over

Please read though these instructions before beginning to assemble your  
kit



The sides are formed of two layers. The complete side sits behind the outer layer which is longer and will go over the lower edge of the inner layout.



Next, glue the bufferbeams and the side pieces onto the chassis plate.



Next, assemble the seats.



Next, assemble the coach shell. These are formed of 2 ends and the two sides. The sides go over the outside of the chassis to form a smooth side on the outside.



Next start assembling the interior. Start at one end of the coach and work your way along. We recommend starting with one of the toilet compartments (or the bulkhead on the guards van).



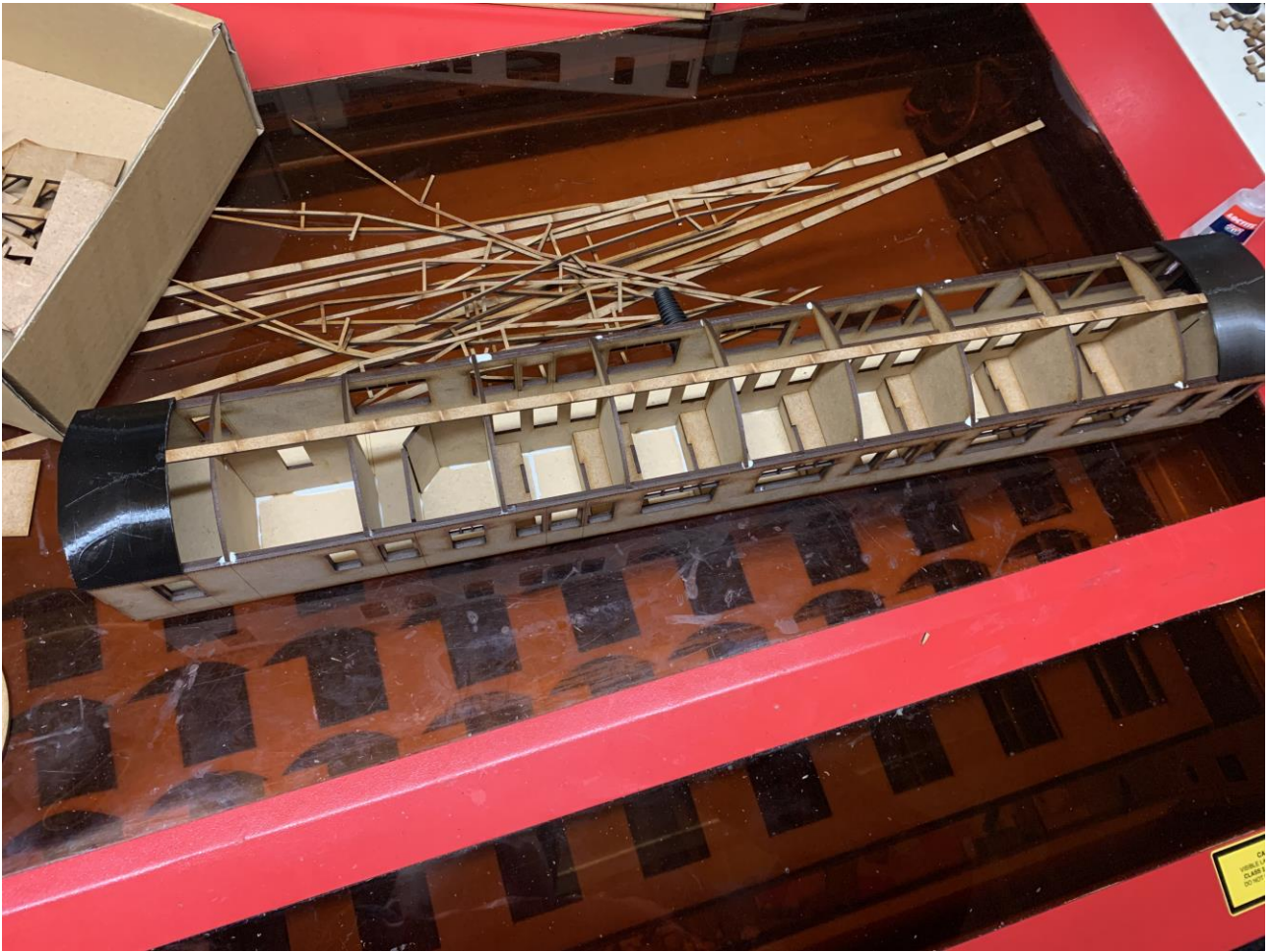
Next, glue in the seats into the coach as well as the toilet divider.



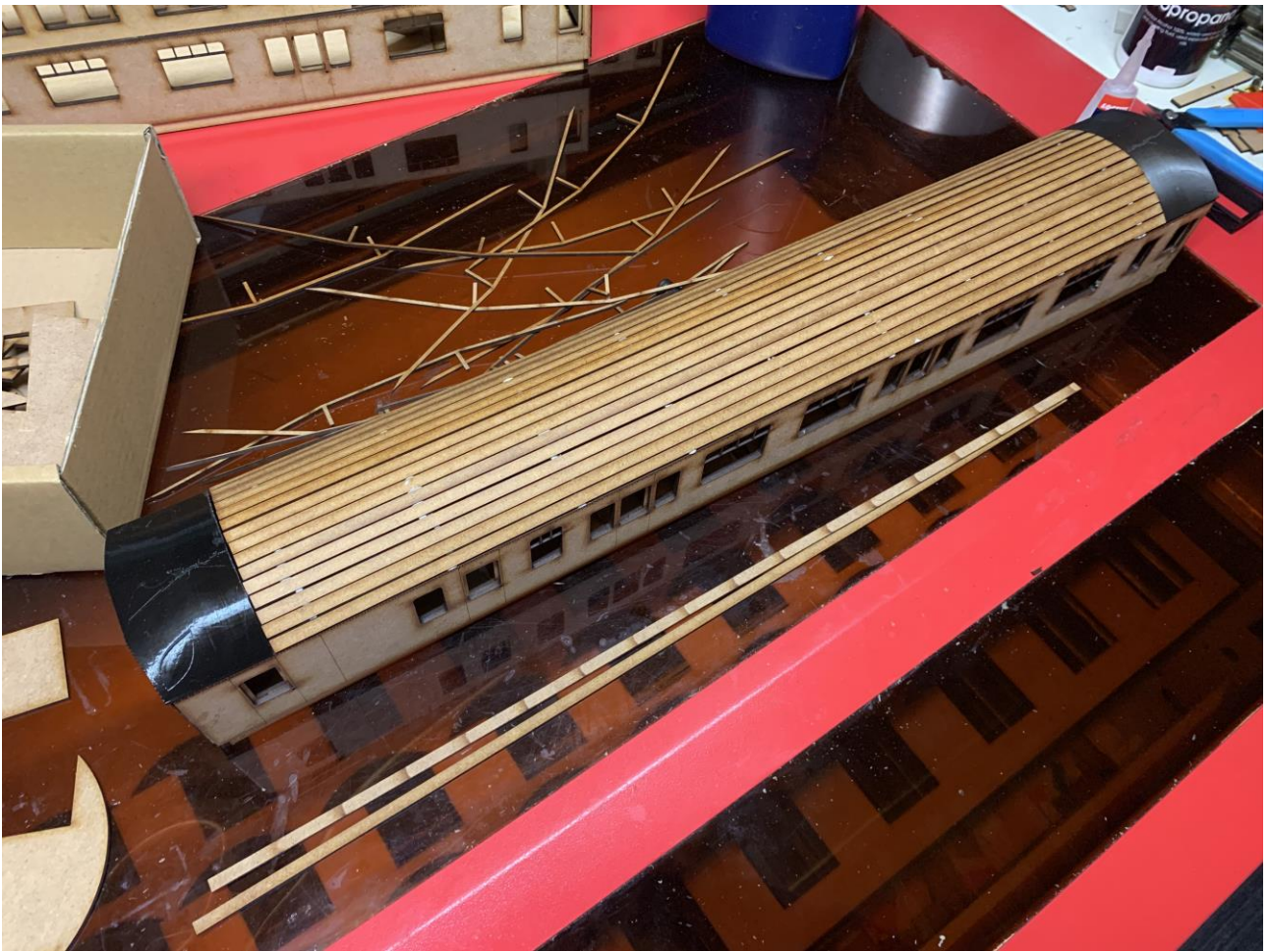




To start assembling the roof, glue on one of the roof end pieces onto the end of the coach.



To position the next piece, use a roof beam to correctly place the other end piece so that it is a snug fit.



Finish the roof by gluing on the wider strips onto the flatter section of roof on the top.



Now's time to attach the bogies. They are built up as per their instructions then glued so the small hole on the base plate matches the bolster. If you tighten the screw all the way, it will point out the bottom of the bolster and can be used to locate it on the base plate. Also, glue on the struss rods which go under the model if you are using it.



Next, glue on the corridor connections.



Next, slide the 3 Link Couplings into place. Also glue on the buffers which go over the etched circles on the bufferbeams. These can be drilled out if you wish to use sprung buffers.

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.