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CLEVEDON

Thank you for buying this carriage kit from Boot Lane Works, please read all the instructions carefully before assembly.

This kit consists primarily of a few 3D filament parts and is a freelance model with no specific prototype.

Tools & Adhesives

I recommend a few tools to help you assemble your kit –

- Tweezers, Pliers, etc…
- Normal & Needle Files, various shapes
- Wet & Dry abrasive paper *(the mixed selection from Halfords is very good)*
- Selection of small twist drills, including 1.5mm & 2mm diameter
- M2 tap & tap holder

THE BODY

BEST RESULTS can be achieved by careful preparation of the body part.
We have reasonable success with Halfords Primer/Filler rattle cans, and wet'n'dry 400 & 800 grade. Apply a good coat of Primer/Filler and allow to dry (we allowed a good 24 hours), then rub back the paint with 400 grade wet'n'dry. Remember to use warm water with the wet'n'dry, this will stop the abrasive tearing the pant away from the print.
We found a second coat of the Primer/Filler with 800 grade wet'n'dry achieved a good platform on which to apply a Grey Primer and then a topcoat.
Again, we used a Halfords Ivory rattle spray, then when dry, masked the Ivory areas, and used a Red rattle spray for the topcoat.

Our lining was created using Trimline Tape, sold primarily for the model boating hobby.

The windows are precut from 1mm clear acrylic and offer up from within the body. We secured the window in place with a little PVA, as it dries clear.

There are a couple of 2mm acrylic roof supports that affix inside the main body compartment to give roof support to the centre section of the carriage.

The interior is left to the individual modeller to finish. This style of carriage would have had longitudinal bench seats. Plain wood for Third Class, but possibly cushions for First Claas?

THE CHASSIS

Like the body, the frames are a single 3D filament print.
We did not prepare the frame, they simply received a coat of Grey Primmer, followed by two coats of Halfords matt black spray paint.

There are four axle box prints. These hold the four-brass top-hat bushes which should just push into the prints.
The four prints locate in their respective slots in the main frames. Each axle box print is held in place by two M2 8mm panhead screws. These screw into the frame from the outside and into the axle box print.
The screws can self-tap into the corresponding holes, but I have found it much easier to tap the M2 holes in the print prior to assembly.
The 24mm Curly Spoked Peter Binnie Wheels need to be pressed onto the ⅛ inch stainless steel axles supplied, which have been cut to length for you. They need a "back-to-back" measurement of 28mm and an equal length of axle showing outside of the wheelset.
The wheelsets are pushed onto the brass top-hat bushes that should be in the axle box prints. The whole is then screwed to the frames.

The body and chassis are attached together with four M2 8mm panhead screws, through the body and into the chassis.

THE ROOF

The roof is a simple one piece 0.5mm styrene sheet that we rubbed down to give the paint (Halford Grey Primer) a good key, prior to fixing to the main body. PVA was used to attach the roof to the body.
My own personal method of forming a roof is to place the whole model upside-down, with the roof supported on two lengths of 25mm timber. I then add weight to the model (heavy bookshop) to push the model down onto the roof and the timbers, thus forming the curved shape.

An electronic copy of theses instructions can be found at -
www.bootlane.org.uk

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