

# Houstoun Gate Locomotive Works - Assembly Instructions for the Summer Coach Kit (SC1)

It is suggested that you read these instructions through before commencing construction.



A minimum of tools are needed to assemble the kit: sandpaper and sanding block, some strong rubber bands or weights to hold parts in place while the glue dries.

This kit requires glue and paint to complete. It can be built entirely with PVA (exterior type) or aliphatic resin. A favourite glue is Titebond 3 aliphatic. Excess glue can be wiped away with a damp rag.

MDF is not moisture proof and the model should therefore be painted or varnished before use. First apply a sealer/primer - MDF sealer, thinned PVA or grey automotive primer will all do the job. The cut edges may need more than one application of primer to seal them. Cans of automotive spray paint work well and give a good finish. If brush painting then use acrylic or enamel paint.

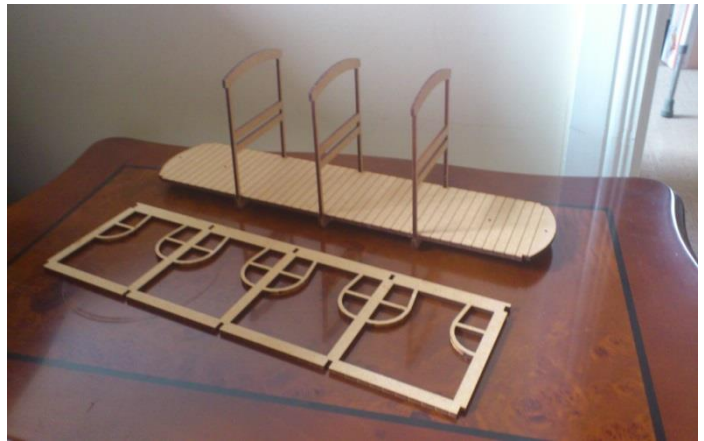
## Assembly

Sand any retaining tabs away on all parts before beginning assembly. Glue the parts together in the sequence shown in the pictures below. You can dry assemble the coach first to get an idea of how it goes together.

Insert the floor through the three upright frames and locate the frames in the cut-outs and glue in place



Apply glue to the edge of the floor and upright frames and attach the side.



Repeat for the second side and hold in place with elastic bands or clamps while the glue dries



Glue the end frames in place



**Next to assemble the chassis**

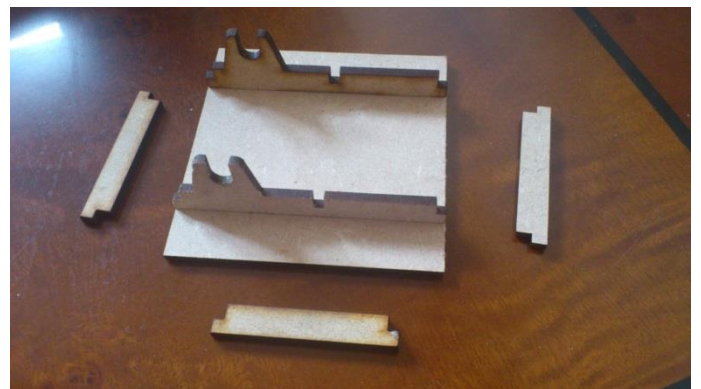
Assemble the axle boxes by layering the three parts for each axle box. Inner mounting (with large hole), then spacer (with small hole) finally outer end cap



Insert a brass bearing into each axlebox

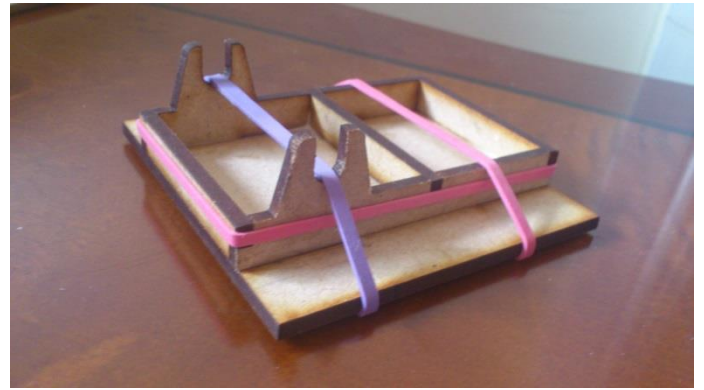


Assemble the chassis side parts into the baseplate and fix the three cross members in place





Clamp parts in place whilst the glue dries



Do a dry fit before glueing the axle boxes in place. Place one to two washers between the wheel and bearing depending on how tight you want the axles to be in the frame. One washer on each side gives a fair amount of sideways play to allow for less than perfect track.



Repeat these steps for the second chassis

When the glue is dried on **both chassis** test fit them in the location under the ends of the coach.

**READ this note before carrying out the next steps**

In one swift process:

1. Apply a liberal coat of glue to both baseplates
2. Place the base plates in position under the coach
3. Turn the coach over and place on a level surface and ensure all four wheels are touching the surface and allow the glue to set.

This will ensure that the coach sits correctly on the track with all wheels level



Be generous with the glue when attaching the roof. Hold it in position with strong rubber bands until the glue has set.

We recommend using our roof jig to assist glueing the roof in place



Take two buffer pieces for each end of the coach and sandwich them together before glueing them underneath the end of the floor at either end of the floor



Cut the brass wire in half and bend each into a hook shape. insert into the hole in the buffer.



Finally comes the seating. Depending on any seated figures you may have you can fit the seats either over the supports or under the support to suit. See the diagrams and choose the method you prefer.



Congratulations! That completes the coach build

If you would like to send pictures of your finished kit to [pictures@hglw.co.uk](mailto:pictures@hglw.co.uk) we may share them on our website [www.hglw.co.uk](http://www.hglw.co.uk) or facebook page. [www.facebook.com/hglocoworks](https://www.facebook.com/hglocoworks)

We hope you enjoy your kit, but if you have any problem with construction email our technical help line at [techhelp@hglw.co.uk](mailto:techhelp@hglw.co.uk)