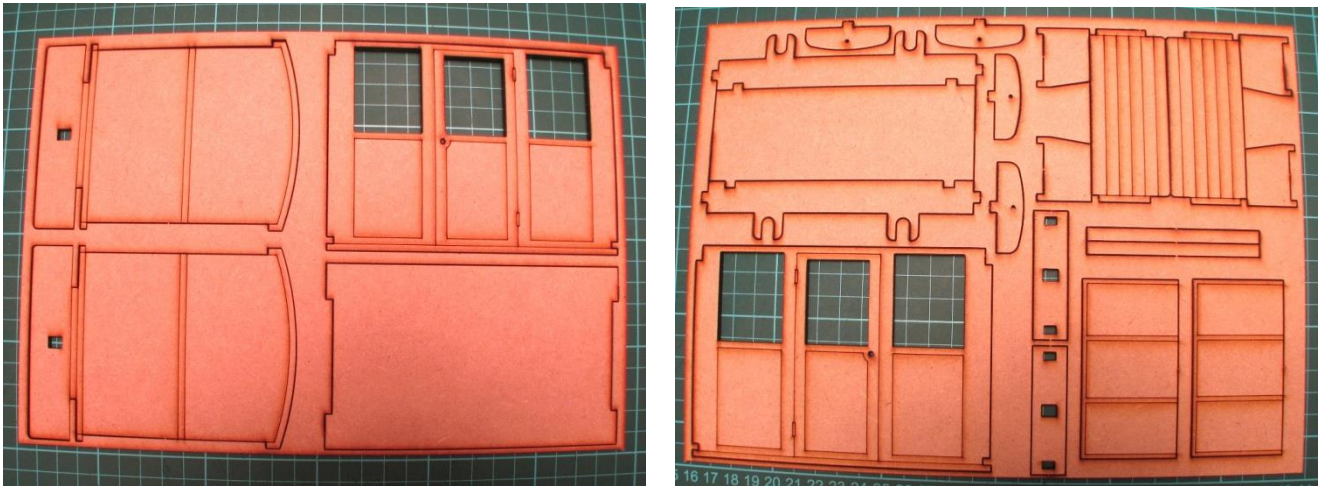


Houstoun Gate Locomotive Works Coach 'J' Assembly Instructions

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

Kit Contents



Note: (The plywood coach roof is not present in these shots)



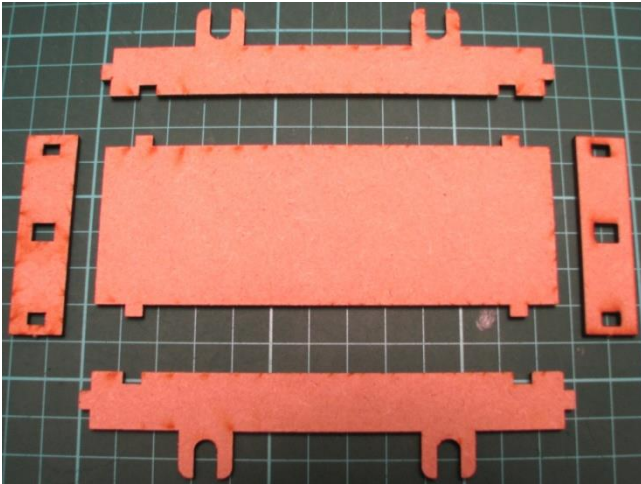
A minimum of tools are needed to assemble this kit. Sandpaper and sanding block plus some clamps, strong rubber bands or weights to hold parts in place while the glue dries.

This kit requires glue and paint to complete. It can be built entirely with PVA (exterior type) or aliphatic resin. My favourite is Titebond III waterproof 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 all do the job. The cut edges may need more than one application of primer to seal them. Automotive spray paint in cans works well and gives a good finish. If brush painting use acrylic or enamel paint.

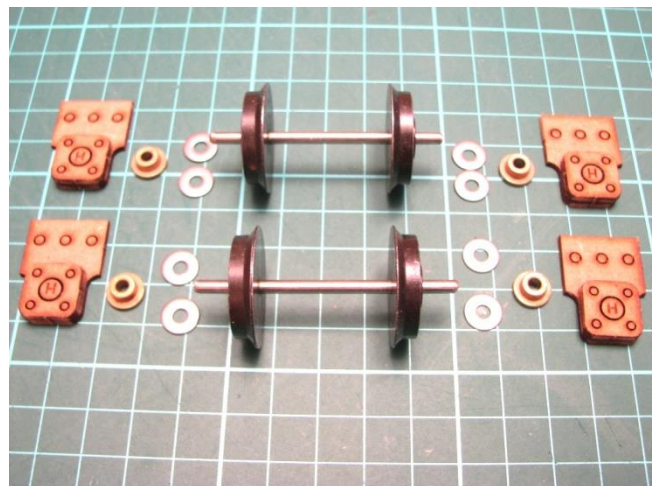
Carefully separate the parts from their sheets. Wriggling them lightly is normally enough to break the retaining tab. Sand the retaining tabs away on all parts before beginning assembly.

Chassis

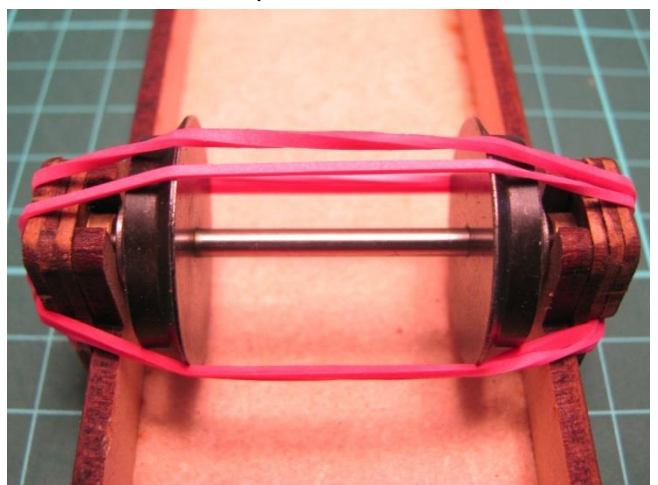
Start by glueing the chassis sides in place, followed by the ends. The slots and tabs ensure parts are properly aligned.



Assemble the axle boxes by layering the three parts for each axle box.

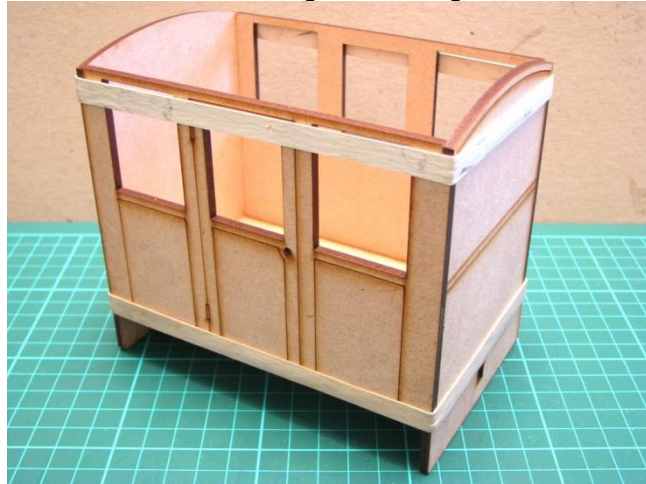


Place one or two washers between the wheel and bearing depending on how tight you want the axles to be in the frame. One washer on each side gives a fair amount of sideways play to allow for less than perfect track. Glue the axle boxes in place. (Make sure you don't get glue into the bearings). Align the axleboxes with the top of the chassis and hold in place with rubber bands.

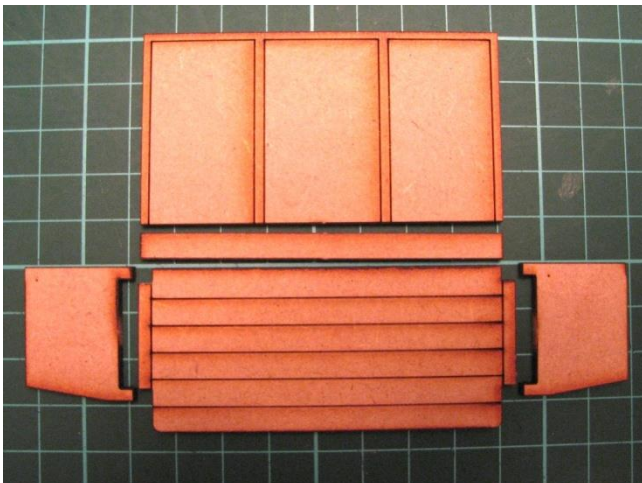


Body

Glue the coach floor, ends and sides together. The slots and tabs will assist alignment of the parts. Place the assembly on a flat surface and hold together using elastic bands or clamps.



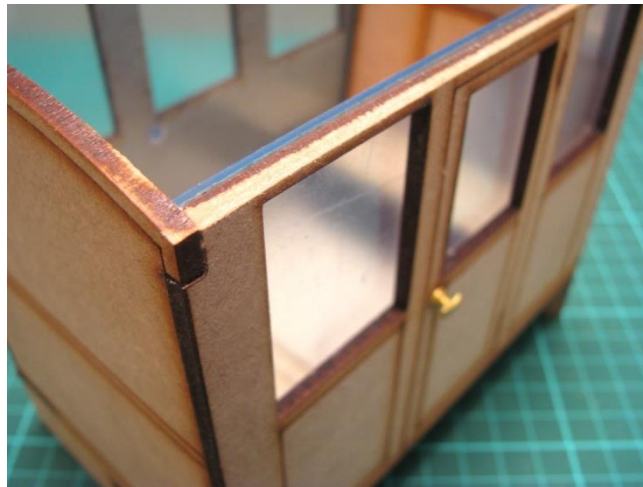
Glue the seat legs onto the seat base and then glue this assembly into the coach.



Temporarily slide the Perspex window sheets (with their protective film) into place on top of the seat and glue the spacer on top of the seat base at the rear (this is used to cause the seat back to slope for the comfort of your passengers), then glue the seat back in place.

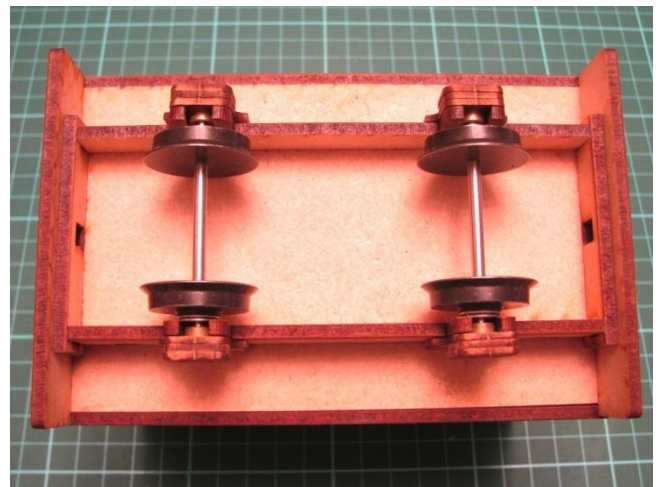
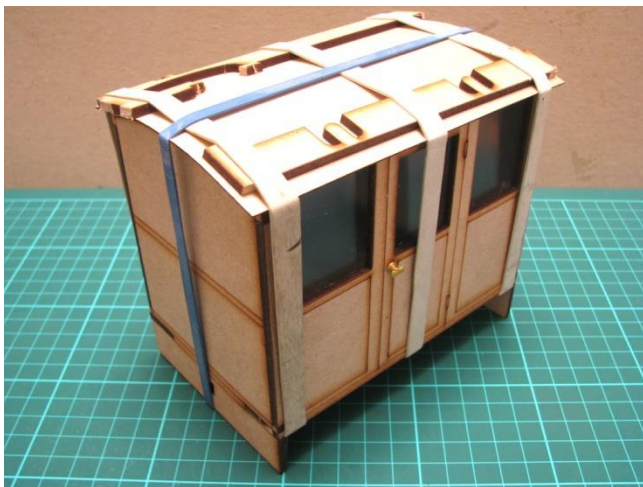


Chamfer the outer edge of the coach side to match the contour of the coach end panels and remove the protective film from the glazing panels and slide into place either side of the seat backs (**NOTE:** a locating hole has been made in each Perspex panel so the panel is held in place by the external door handle casting). Glue the door handles in place.



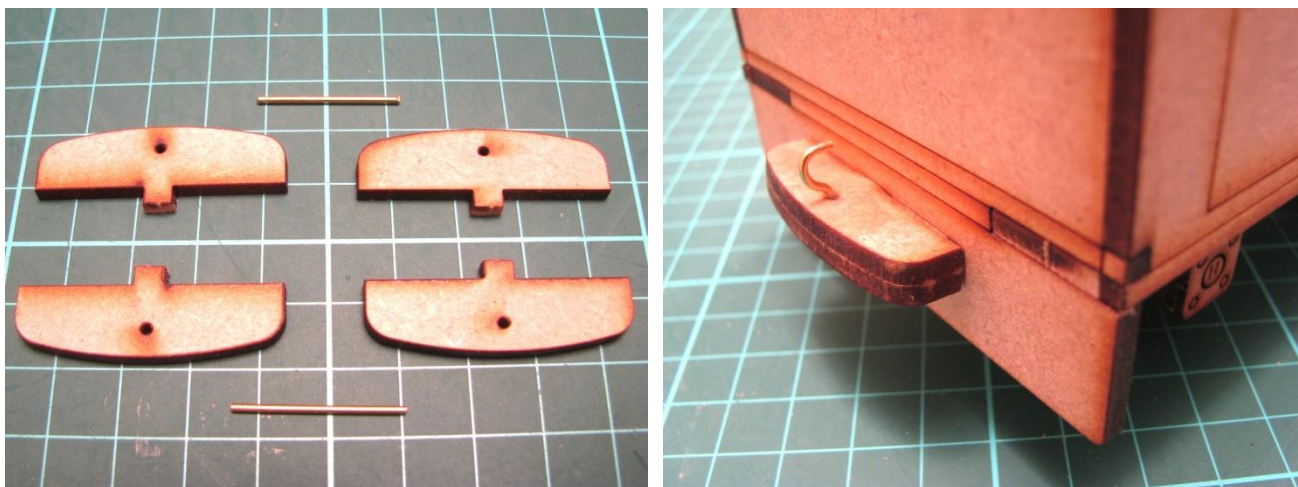
Attach the roof ensuring that there is an equal amount of overhang on the sides and ends. Use rubber bands to hold it in place overnight until the glue has fully dried.

Note: If you are building a number of coaches or vans then HGLW has an affordable range of jigs to assist glueing and fitting roofs, available separately.



The chassis can now be glued to the underneath of the coach floor. Align the holes in the chassis ends with the holes in the coach buffer beams to ensure that the chassis is central to the coach body.

Assemble the buffer parts together and attach them into the buffer beams. Bend the brass wire to a hook shape and glue it into the hole in the buffer.



This completes the coach assembly.



Detailed Model of 'Coach J' courtesy of Chris Cairns

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

If you would like to send pictures of your finished kit to pictures@hglw.co.uk we love to share them on our website www.hglw.co.uk or Facebook page www.facebook.com/hglocoworks