

Houstoun Gate Locomotive Works SAR Style Arch Frame Bogies

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



SAR Style Arch Frame Bogie Kit



Ex-SAR bogies on the WHR

This kit requires glue and paint to complete, along with a minimum of tools to assemble the kit. Sandpaper and sanding block plus some pegs, clamps or rubber bands are useful for holding parts in place while the glue dries.

It can be assembled entirely with PVA (exterior type) or aliphatic resin type glue. Excess glue can be wiped away with a damp rag. The model should be painted, stained or varnished before use.

It is a good idea to do a 'dry run' with parts to familiarise yourself with all items BEFORE gluing. This may lead you to consider whether to paint any items before assembly.



First make up the bogie side frames.

There are three layers of 3mm material



First glue the axle boxes and the double spring parts onto the side frame



Next glue the single spring central part over the double spring part.



The last step in this section is to glue the 1.5mm axle box covers and frame strengthener onto the side frame



Attach the stretcher bar side plates into one of the side frames for each bogie, (you may need to sand the end a little to fit).

Then fit the bogie swivel plate to the top of the stretcher bars. This will ensure the stretcher bar is at 90 degrees to the bogie sides



Insert the wheels into the bearings into the inside of the side frames. (You may like to secure the bearing in place with a tiny amount of glue).



Insert the wheels into the bearings and attach the second side frame



This completes the bogie construction. Repeat these steps for the second bogie.

If you are using these bogies in one of our coach kits follow these next steps for fitting the bogie pivots



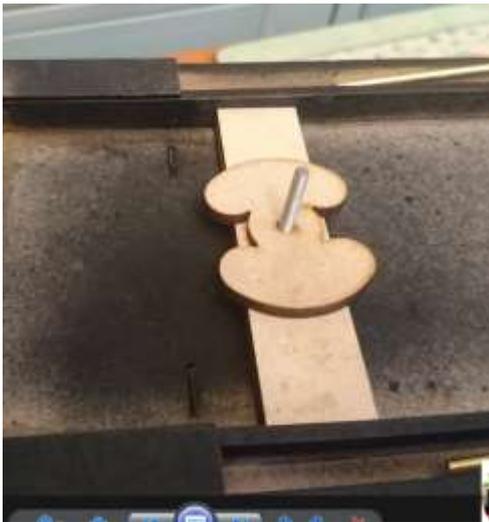
First glue the strip with the bolt head cut out in place between the solebars. Fit this over the redundant bogie pivot hole in the coach floor.



Insert the bolt head into the hexagonal cut out



Glue the second strip with the 3mm hole over the first strip to captivate and retain the bolt.



On one end of the coach glue the 'kidney' shaped swivel plate

(For the second bogie at the opposite end of the coach insert the small plain round swivel plate)



Place the inverted bogie over the pivot bolt



Secure the bogie in place with the 3mm nut using pliers or nut runner if you have one.

You have now mounted the bogie to the coach

Congratulations!

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