



Ffestiniog Wagon No. 60

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Assembly Instructions

32mm Gauge only

All wooden pieces of this kit will benefit from a light sanding with fine grade sand paper to remove any surface texture and the pips left by the breakout tabs.

It's recommended that parts are painted or stained prior to assembly as glue residue will not take stain.

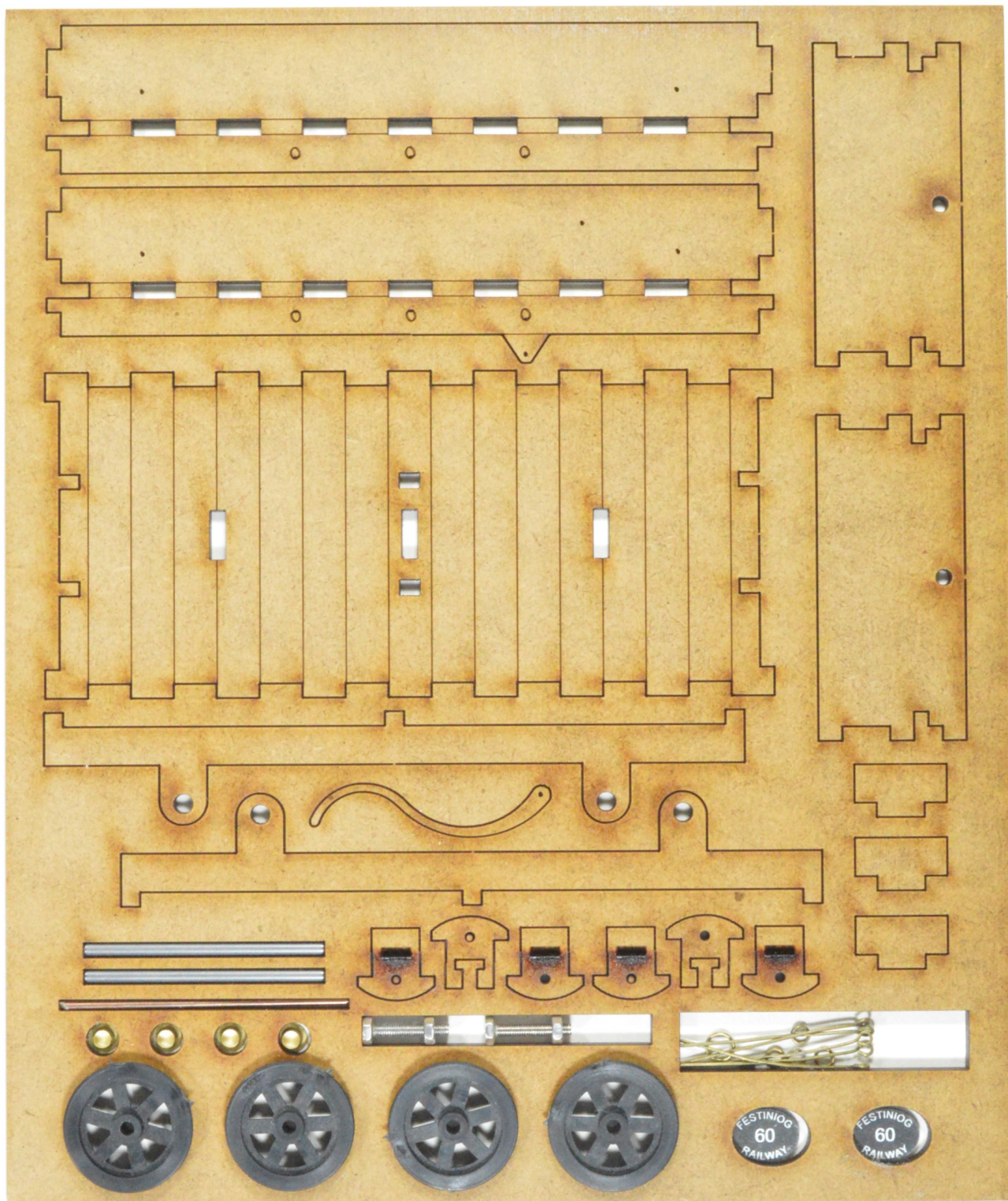
This kit is made from 3mm laser cut MDF. Any type of wood adhesive such as EVO-STIK resin W is suitable, glues of the SUPER-GLUE type are not suitable and should be avoided.

Cut the breakout tabs with a sharp modeling knife rather than snapping the parts out as this may cause damage to the wood.

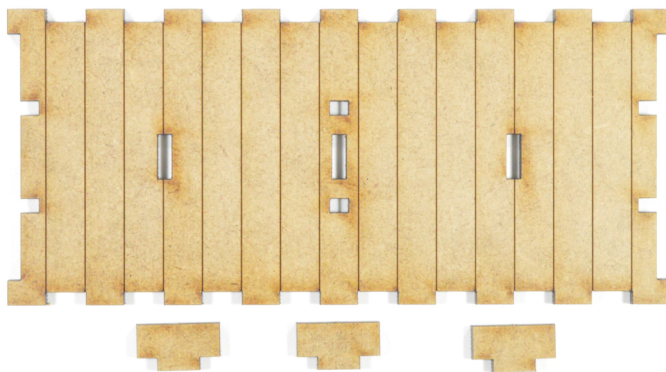
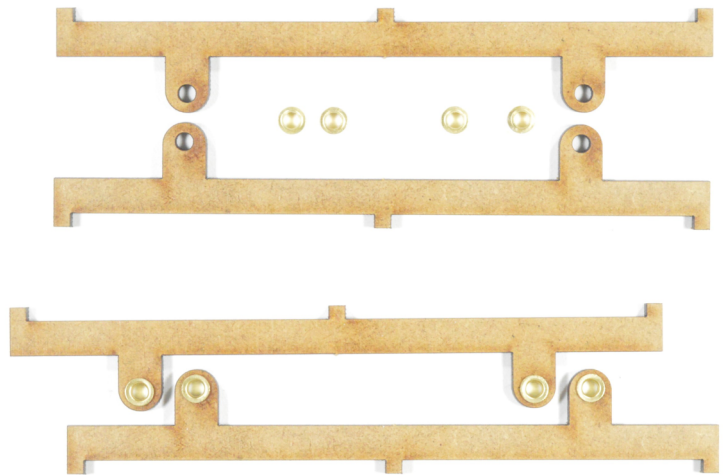
Before you start assembly Please read through these instructions carefully and familiarize yourself with the pictures and method of assembly.

It will be necessary to have a few tools to hand such as clamps, a sharp modelers knife, snipe nose pliers and elastic bands.

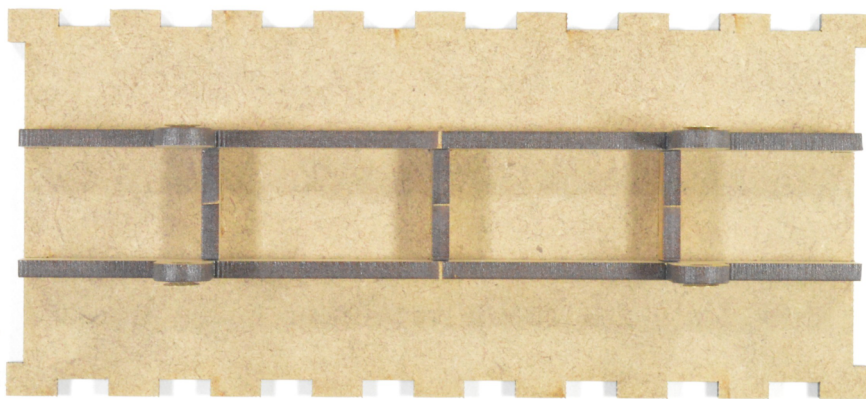
Most parts can be dry assembled prior to gluing so you can familiarize yourself as to how the parts fit together.



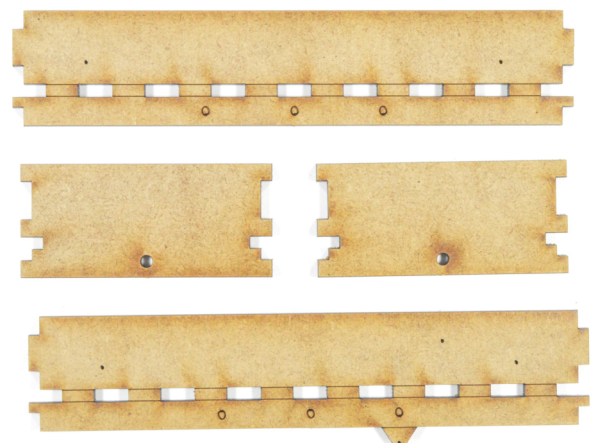
Locate the 2 sole bars and the 4 brass bearings. Press the bearings into the holes in the sole bars as shown.

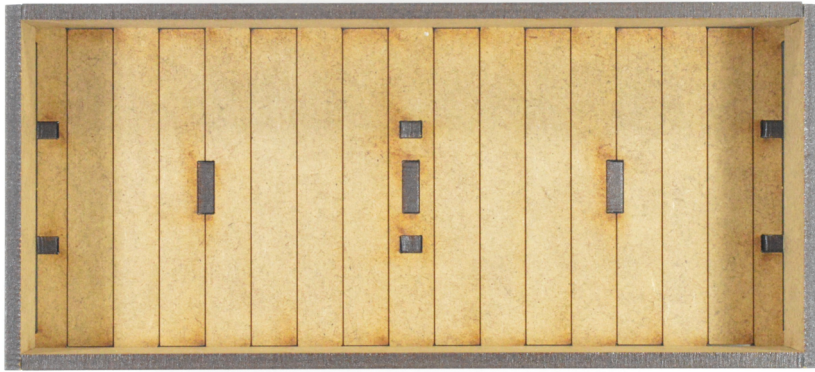


Locate the 4 pieces which are the wagon floor and frame spacers. With the etched lines of the floor facing downwards assemble the 2 sole bars and 3 frame spacers as shown, ensuring that the flanges of the 4 brass bearings are facing outwards.



Locate the 4 pieces which are the sides and ends of the wagon body.

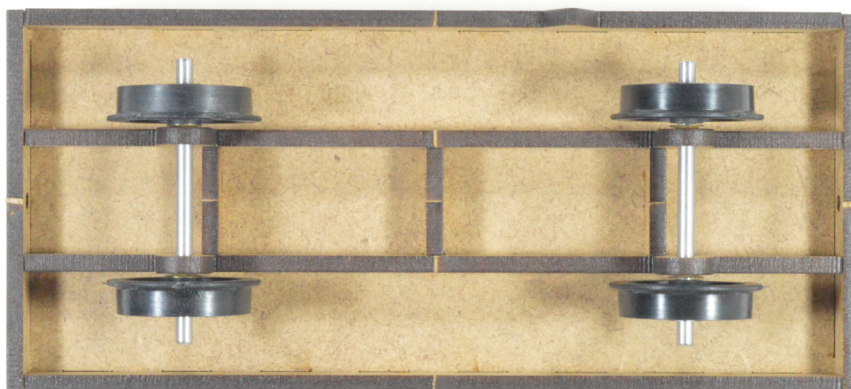




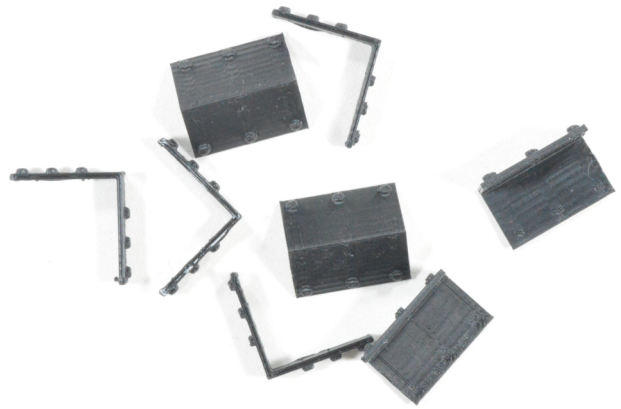
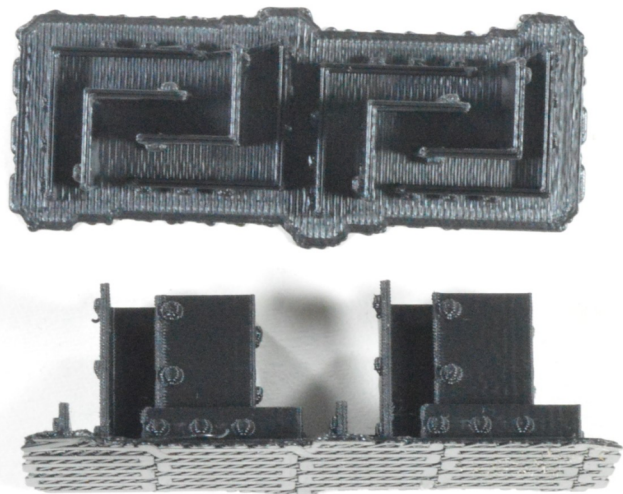
Fit the Sides and the ends to the wagon floor as shown, ensuring that any engraved detail is facing outwards.



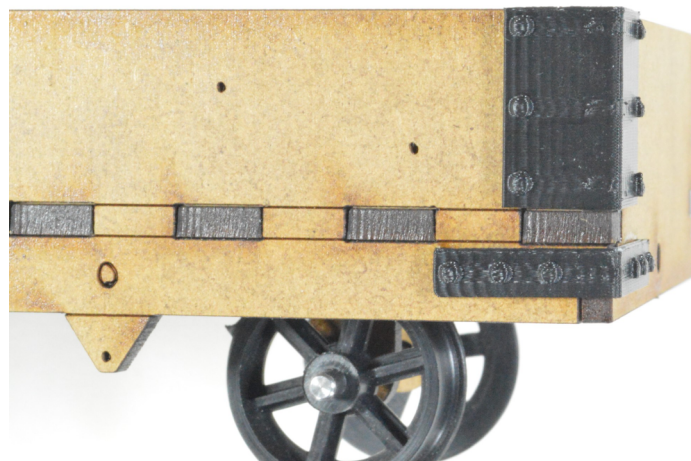
Locate the 4 wheels and 2 axles.



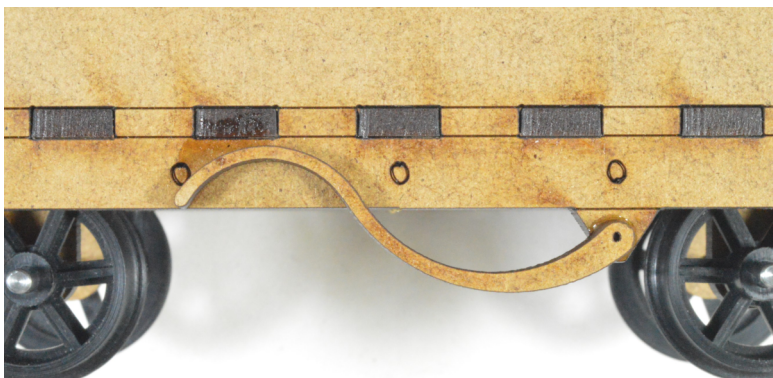
Place the axles through the bearings in the sole bars, then push on the wheels with a flange to flange distance of 28mm, there will be approximately 5mm of the axle projecting from the outside of each wheel this is OK and it does not need to be trimmed off.



Locate the 3D printed detailing parts for the corner iron brackets and carefully break them off their carrier. There are 8 parts, the small ones are the lower corner angles and the large parts are the upper corner angles, fit them as shown

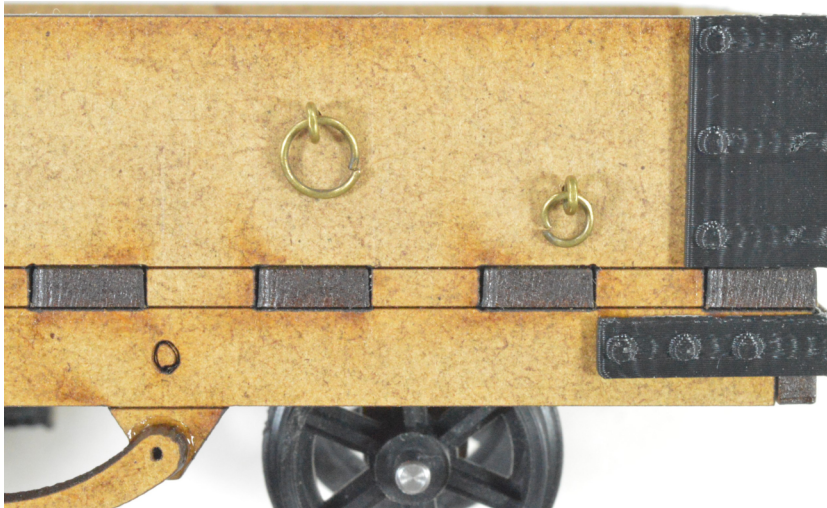


Locate the brake handle and fit it to the side of the wagon as shown.





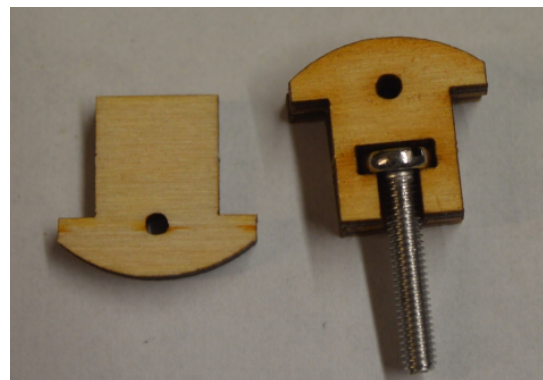
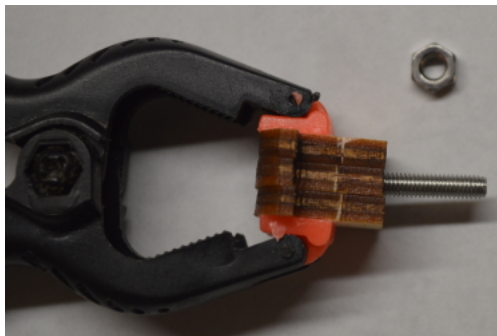
Locate the 5 rings and 5 pins with an eye at the end, fit the rings to the eyes and cut off the wire below the eye to approx. 4mm length.



Fit them as shown with the 4 smaller rings at either end of each side and with the larger ring on the same side as the brake handle.



Locate the parts which make up the buffer. and glue all three sections together with the screw in the middle and the grooves on the outside pieces facing inwards to locate the screw head. Ensure that the small hole in all three parts line up so that the rod for the coupling can be passed through. Finally clamp all three sections until the glue has set.



Finally fit the buffers and make up the coupling hooks using the supplied rod.

Finely fit the Number 60 plaques to the centre of each side as shown.

