



Wood Valley Works

www.woodvalleyworks.co.uk

Sanford

Penrhyn Railway Brake Van

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Assembly Instructions Part 1

32mm Gauge only

This is an advanced kit with many small and delicate parts. 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.

It may be easier if some parts are painted or stained prior to assembly.

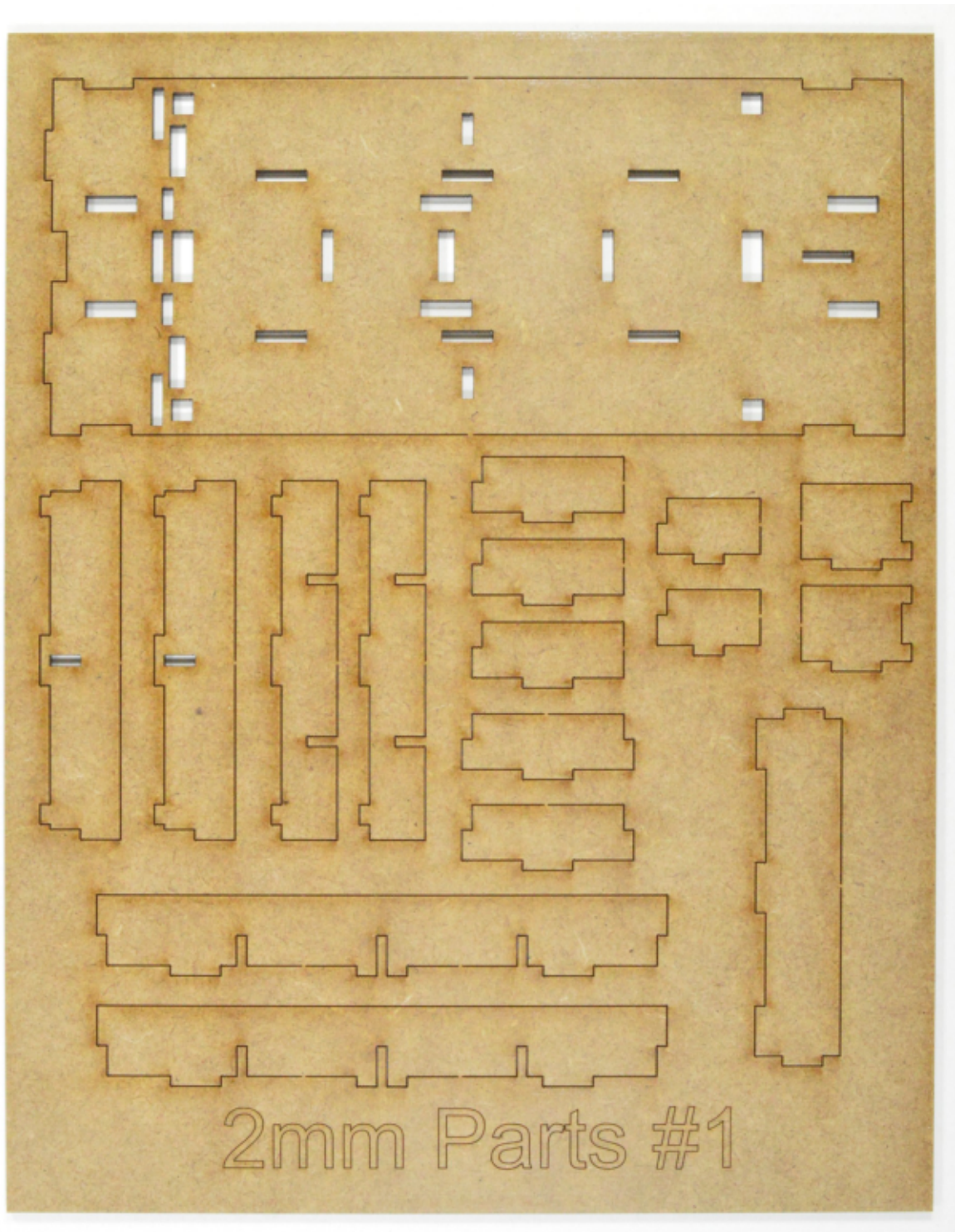
PLEASE NOTE

This kit is made from 3mm, 2mm and 1mm laser cut MDF, any type of wood adhesive such as EVO-STIK resin W is suitable. SUPER-GLUE is probably best for attaching the smaller detailing pieces.

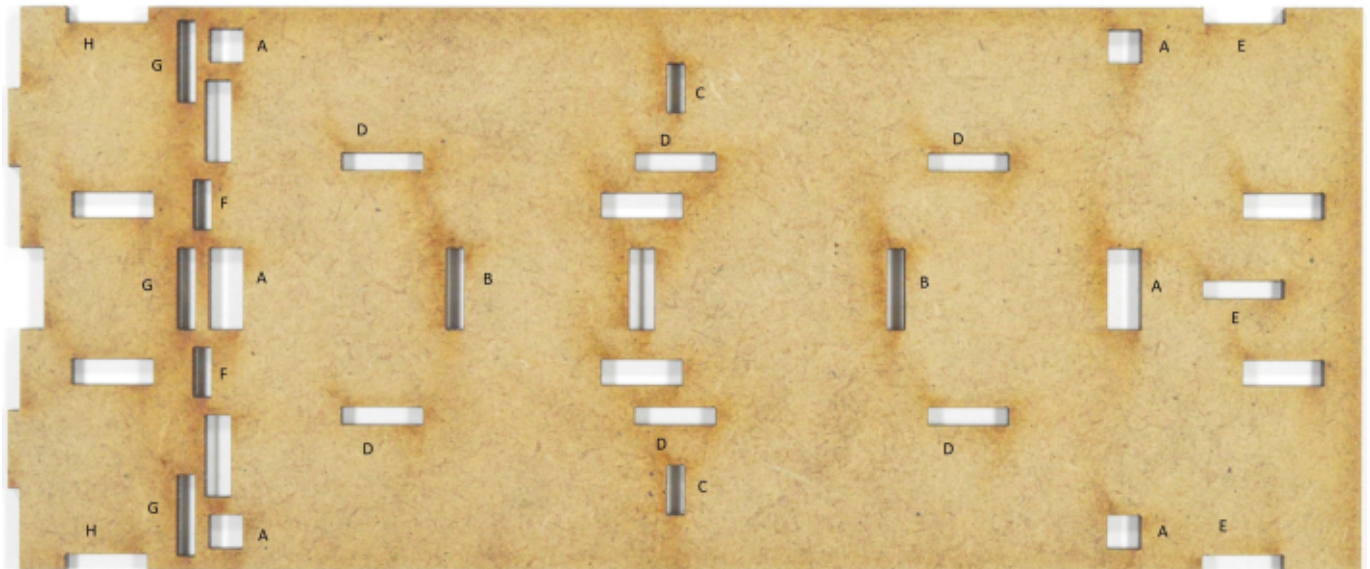
Cut the breakout tabs with a sharp modeling knife rather than snapping the parts out as this may cause damage to the wood.

This kit is supplied with wheels, axles, bearings, coupling hooks and detailing parts.

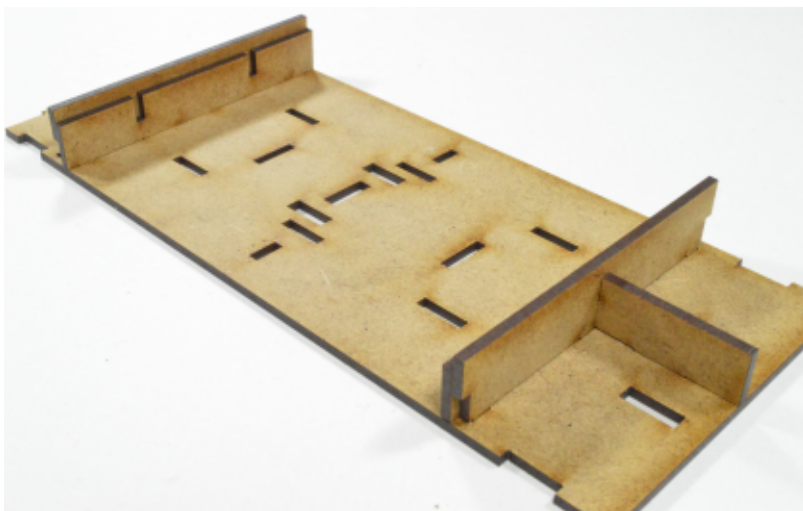
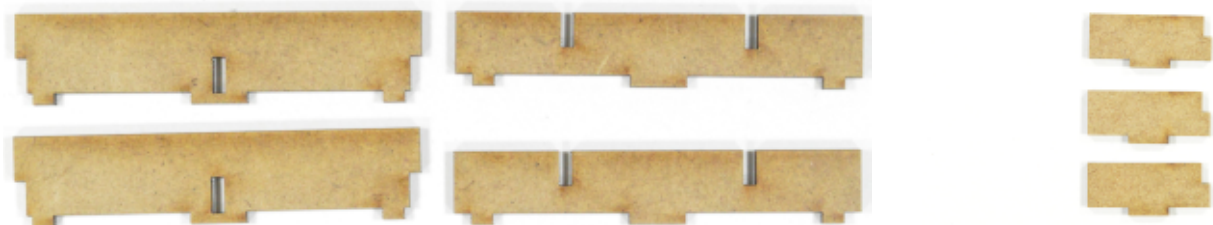
Dummy rivets are also supplied with the kit.



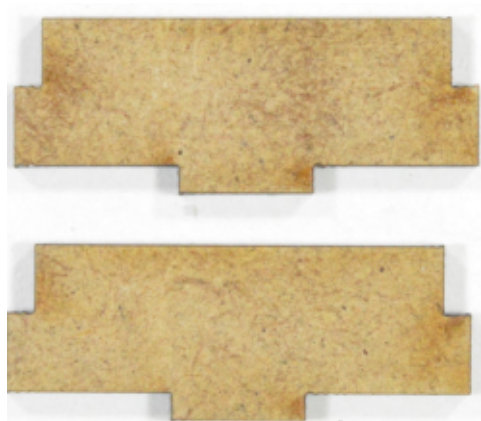
These are the parts which make up the main chassis and the inner supports for the "Tank".



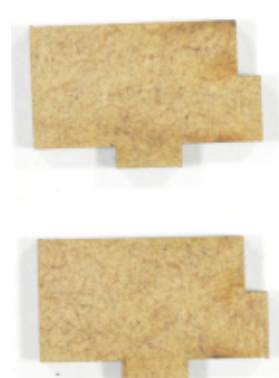
The main part of the chassis with the front of the brake van to the right and the cab to the left. Please Note the letters next to the slots, these indicate where the various pieces fit.

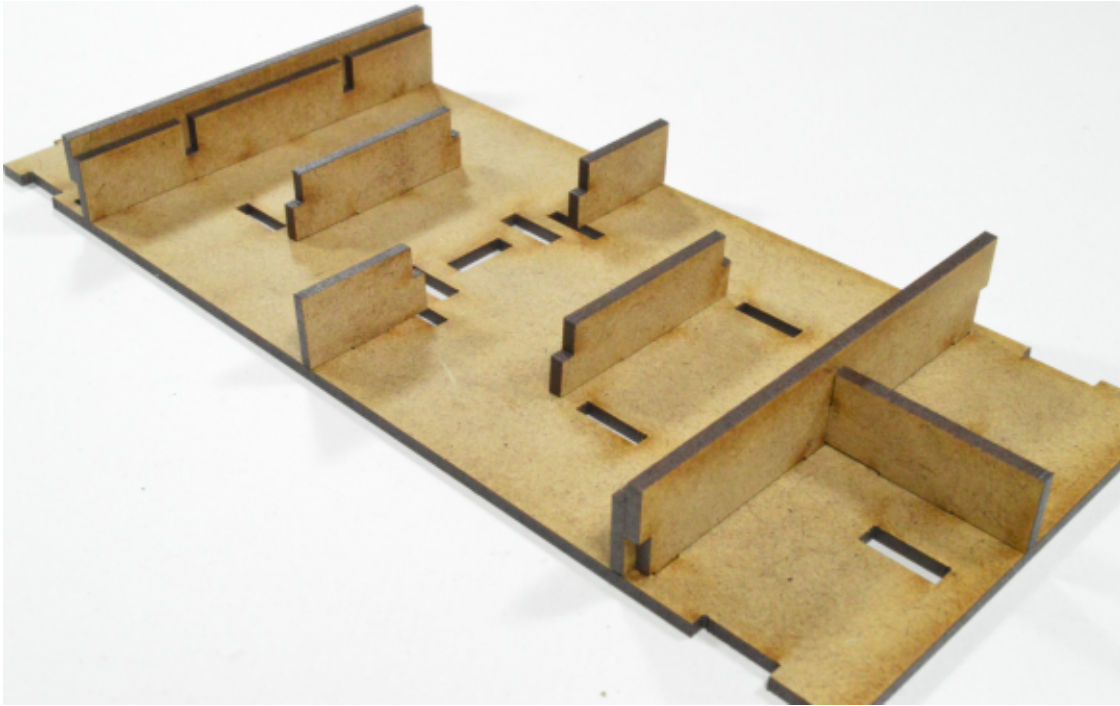


Locate the 4 parts which fit into the slots marked A and 1 of the 3 parts which fit into the slots marked E, fit this to the middle E slot and then fit the A parts with the taller part to the outside as shown. Make sure that the slots marked F and G are clear of any glue.

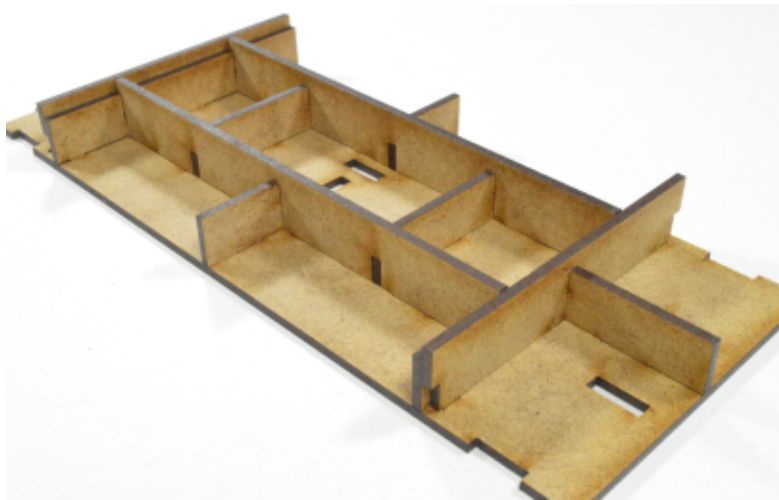


Locate the 2 parts which fit into the slots marked B (Left Picture) and the 2 parts which fit into the slots marked C (Right Picture) and fit them as shown below.



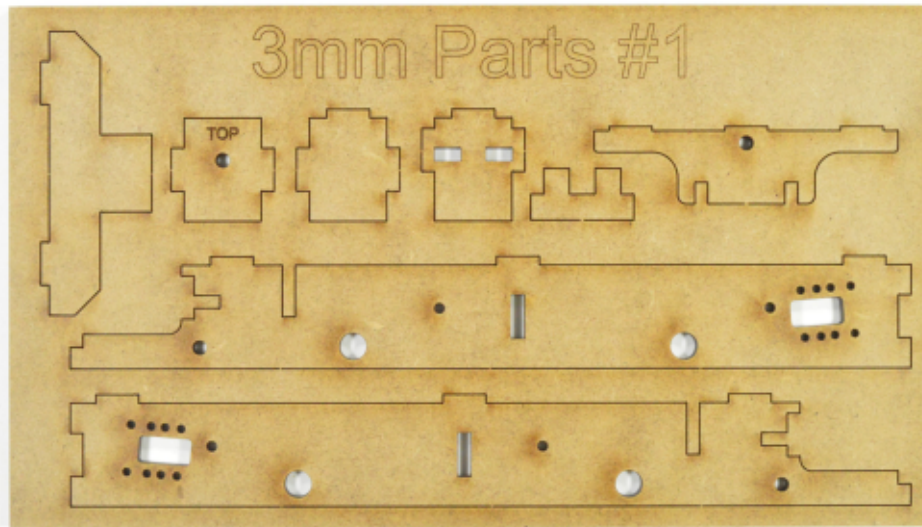


Locate the 2 parts which fit into slots D and fit them as shown.



Locate the remaining 2 parts which fit into slot E and fit them as shown ensuring that they are lined up with the base and upstand.

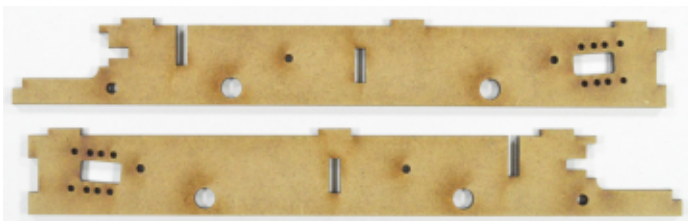
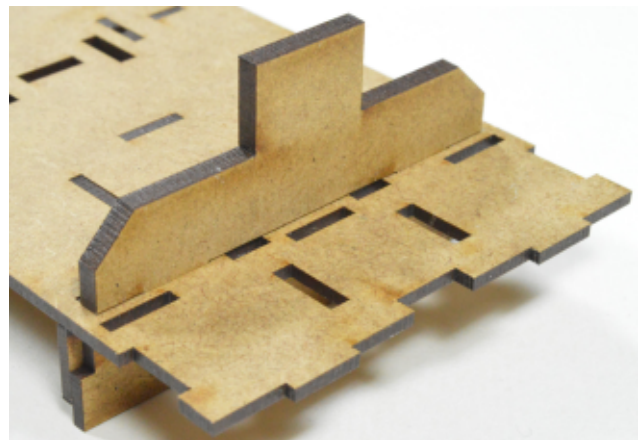
This completes the assembly of the tank frame, the 3 remaining parts which fit into slots G and H are the frame for the guard's seat and are fitted later.



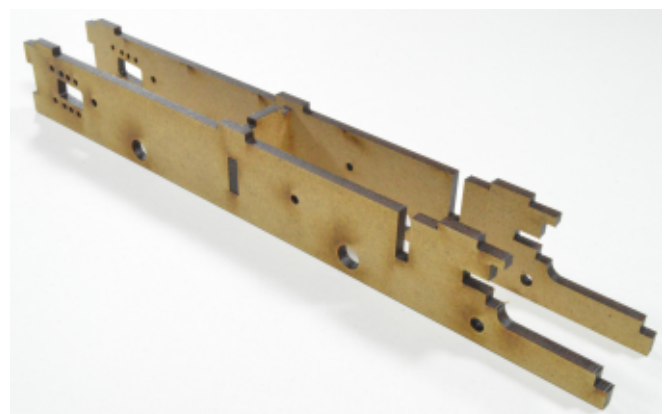
These are the parts which make up the frames.



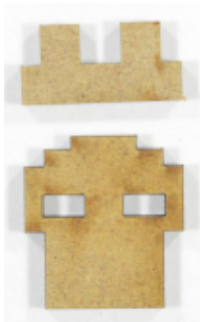
Locate the Y shaped frame spacer and fit it into the 2 holes on the rear underside of the main chassis / tank assembly as shown.



Locate the 2 frames and the middle frame spacer and fit it between the frames as shown ensuring that the tabs are facing upwards.



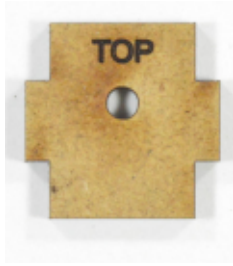
Assemble the frames and spacer into the slots in the underside of the main chassis / tank assembly as shown ensuring that the frames are at right angles to the chassis. Make sure that the slots marked F and G are clear of any glue.



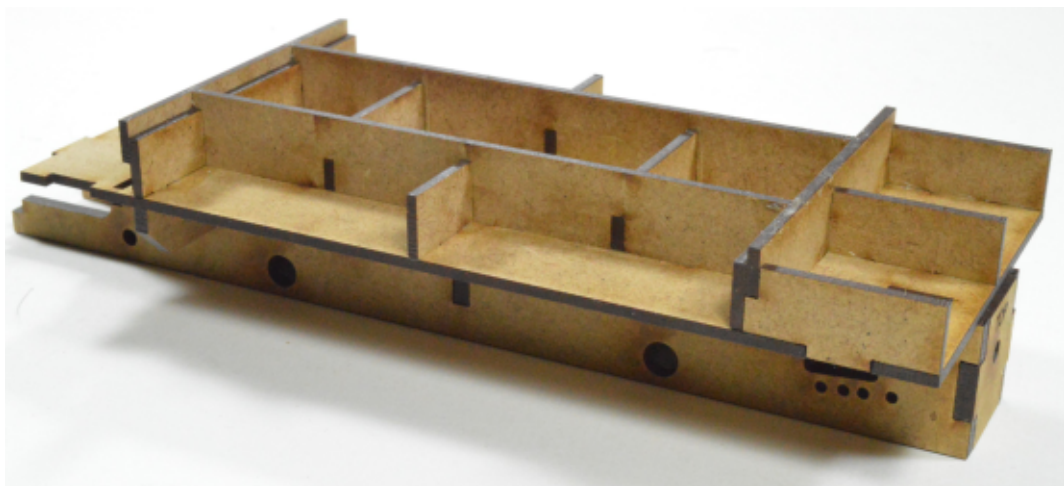
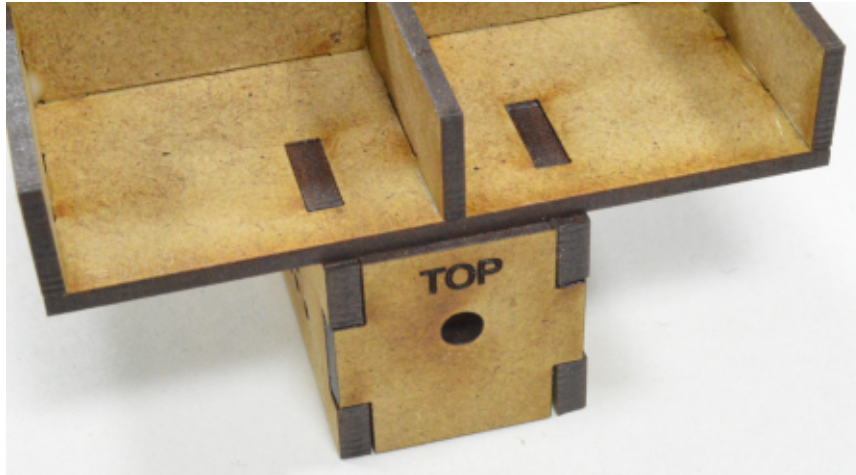
Locate the 2 parts that make up the rear frame spacer and assemble them as shown.



Fit the rear spacer between the frames as shown.



Locate the front frame spacer and fit it as shown with the word TOP upwards and facing out, also note that the frames are very slightly longer than the chassis / Tank assembly, this is correct and the frames **MUST** NOT be shortned.



This now completes the main chassis structure of the brake van, the 1 piece left from the fret is the rear inner buffer beam which will be used in the next stage of construction.