



Wood Valley Works

www.woodvalleyworks.co.uk

Sanford

Penrhyn Railway Brake Van

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Assembly Instructions Part 2

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.

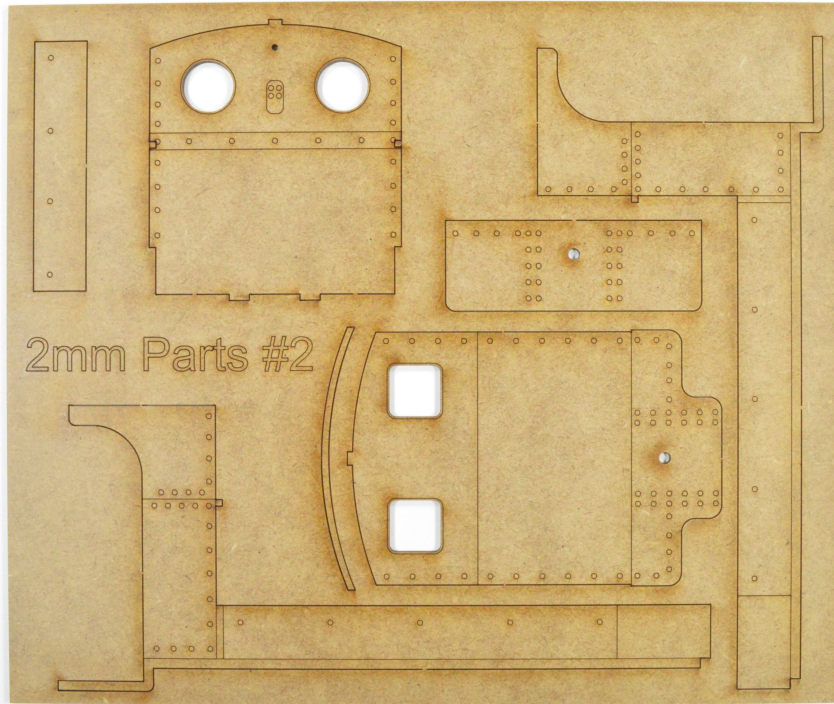
PLEASE NOTE

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.

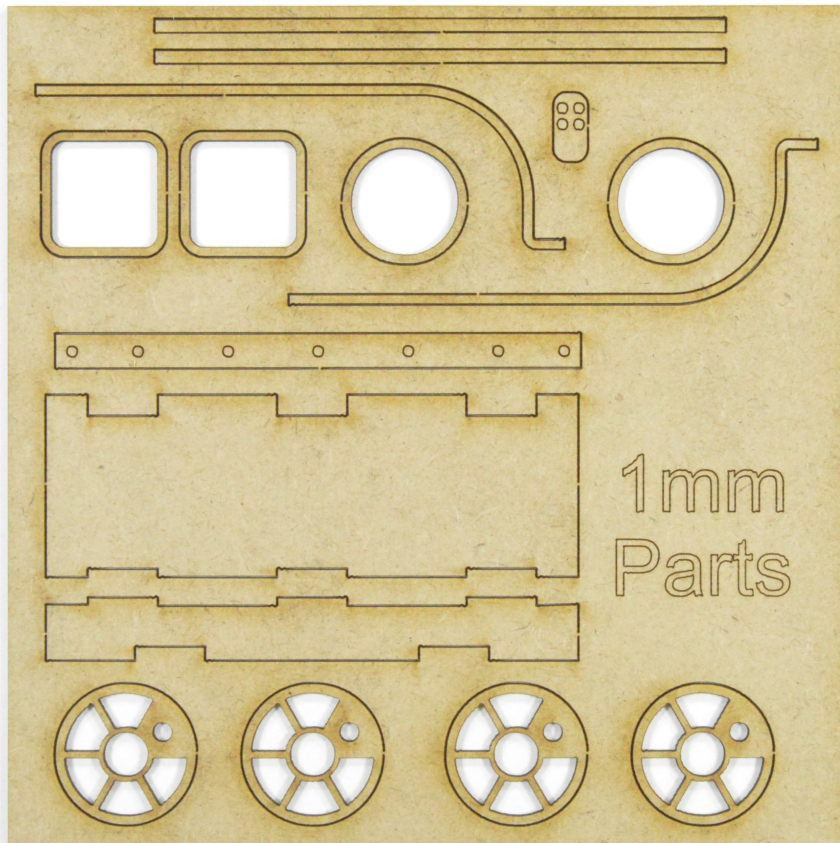
Cut the breakout tabs with a sharp modeling knife rather than snapping the parts out as this may cause damage to the wood.

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

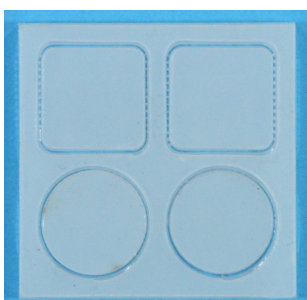
Although the positions of the rivets are accurately marked on the body, dummy rivets are not supplied with this kit. Suitable dummy rivets can be bought from Cambrian Models part No. NA7 230 or 1.5mm nail art gems, available from Ebay can be used.



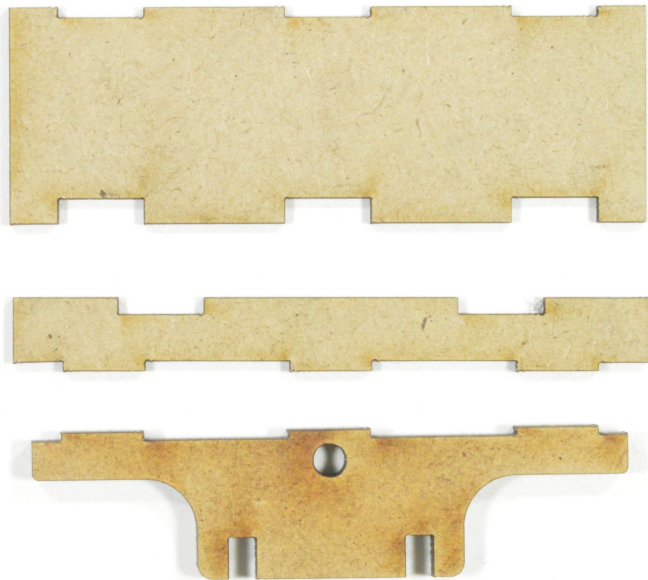
The 2mm parts make up the cab and Tank sides and the front buffer beam.



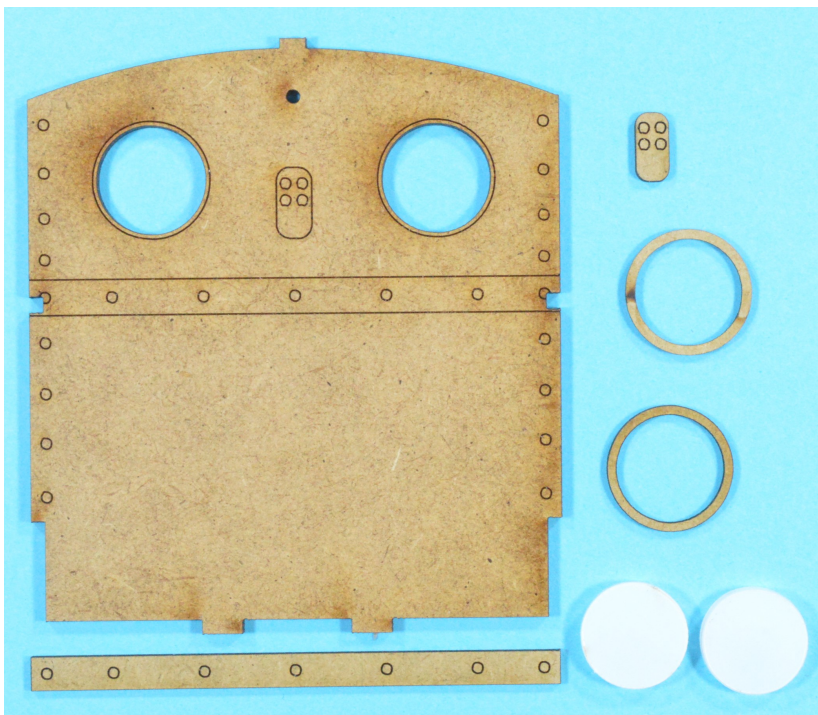
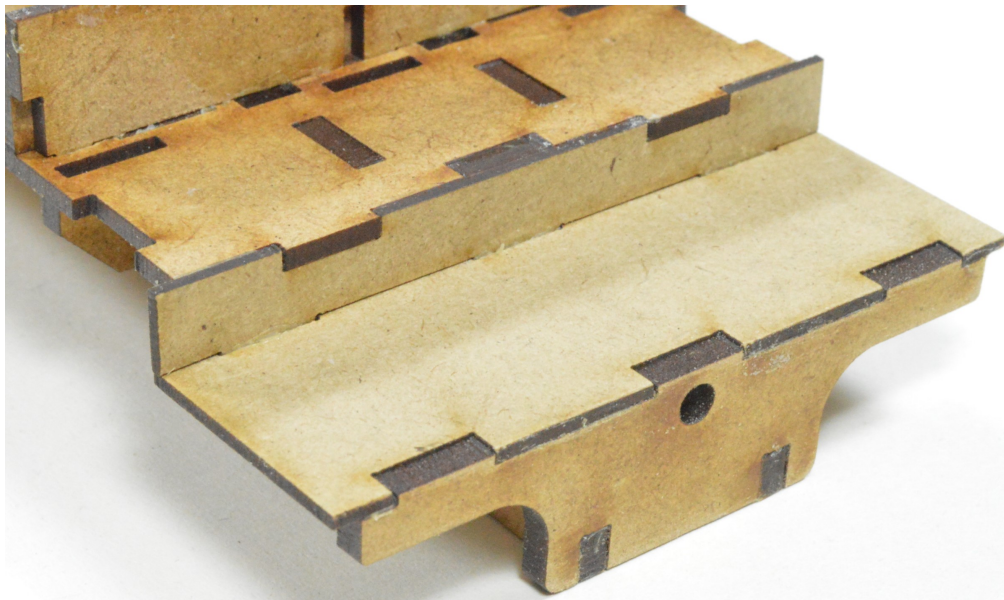
The 1mm parts are the cab floor and the cab detailing parts.



The window glazing has a plastic film on both sides, this needs to be removed preferably after painting. Please Note: the colour of the film may vary.

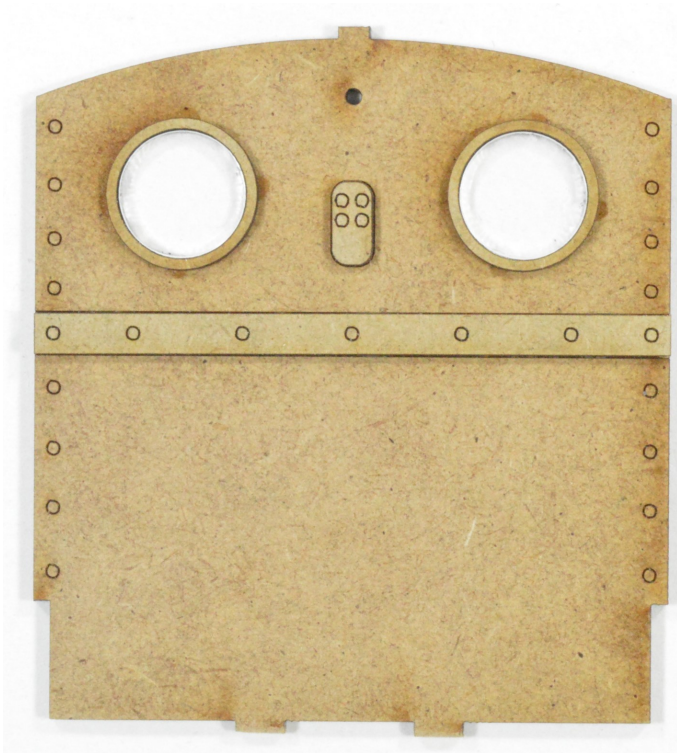


Locate the 2 parts that make up the cab floor and the 3mm part from earlier which is the rear inner buffer beam and assemble them as shown, it is easier to fit the narrow vertical piece first then the rear inner buffer beam then the cab floor.



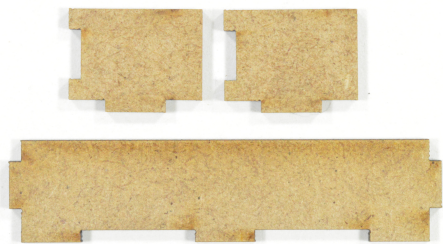
Locate the 7 pieces that make up the cab front.

Push the glazing pieces into the window holes from the back until they are flush with the back of the cab, please Note: they will only fit into the holes one way. Locate the spectacle plates on the front of the cab over the protruding bit of the glazing. Remove the film on both sides after painting.

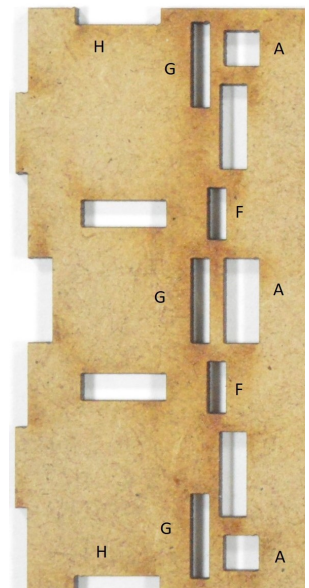


Fit the 2 detailing pieces over the positions marked on the cab front, ensuring that the 2 small slots on the cab sides are clear of glue.

If you want to fit dummy rivet heads to the positions shown then this may be a good time to do it whilst the cab front can still be layed flat.

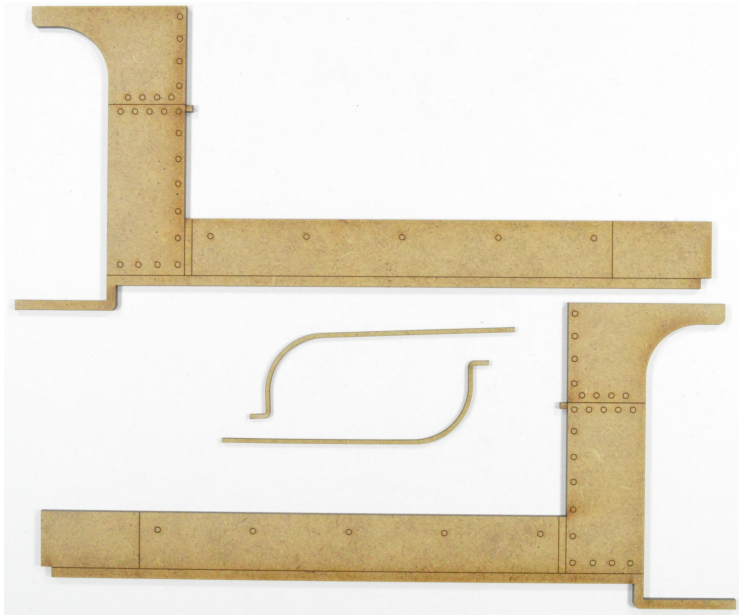


Locate the 3 pieces from previously that make up the seat frame. Fit the cab front into slots F ensuring that the detailing on the cab front is facing forward and that the bottom with the 2 tabs is flush with floor.



Fit the 3 pieces that make up the seat base into the slots marked G and H. as shown below.

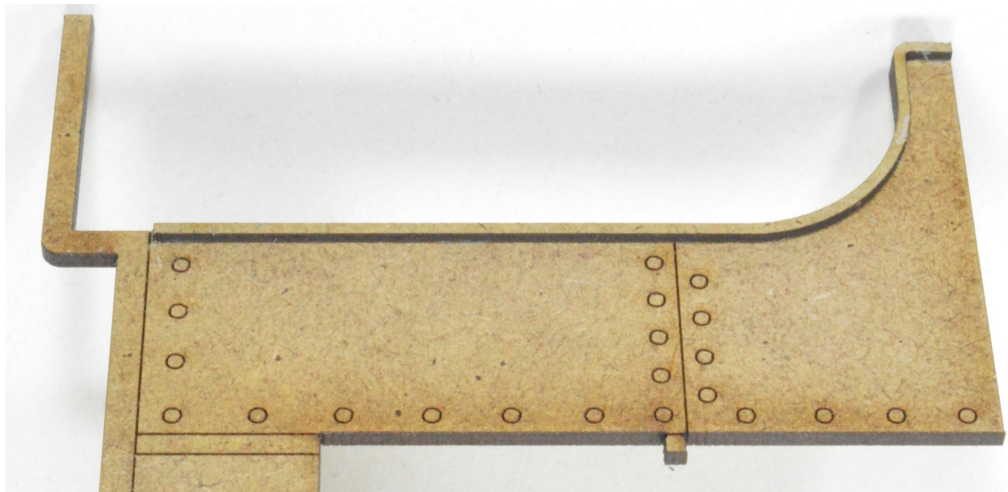




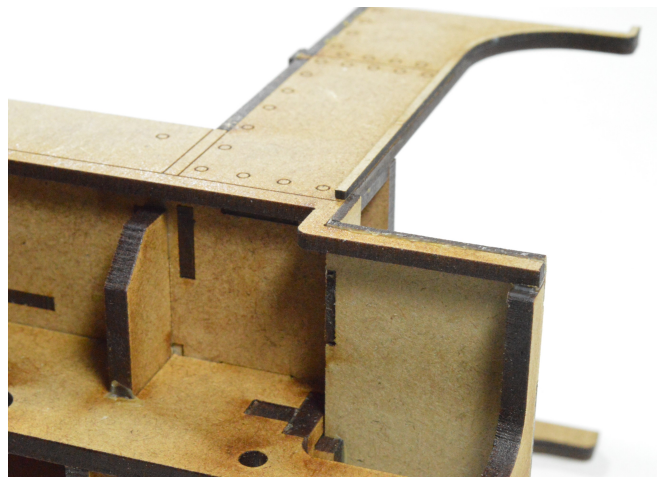
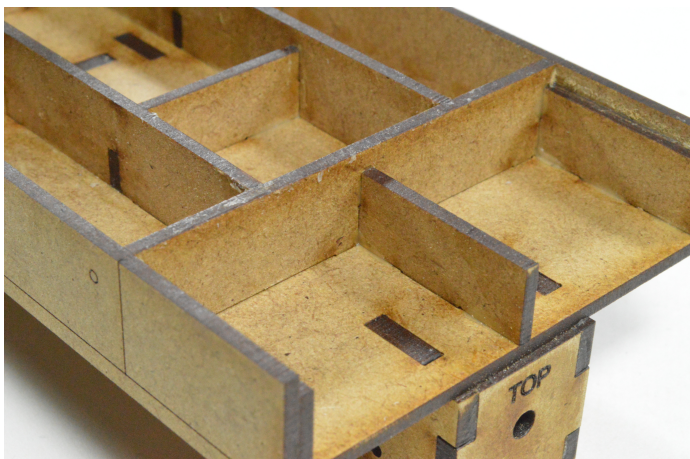
Locate the 2 sides and the 2 hockey stick detailing parts, fit them to the sides as shown.

Please note: these 2 detailing parts are very delicate.

If you want to fit dummy rivet heads to the positions shown then this may be a good time to do it whilst the sides can still be layed flat.

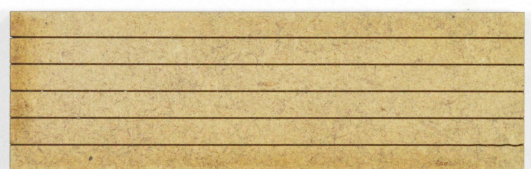
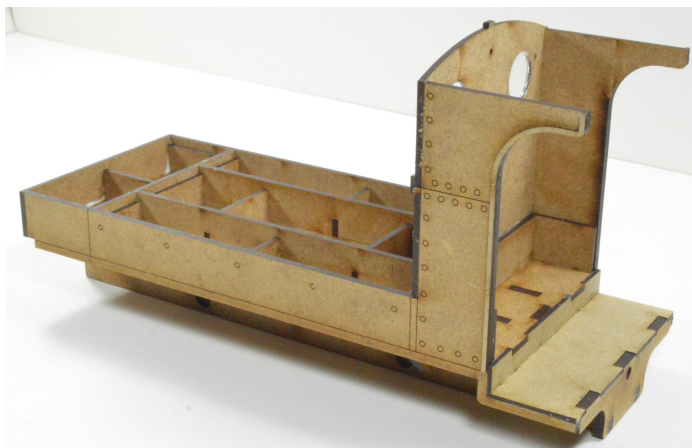


Now to fit the sides, the rear end will align it's self once the small tab on the front of the cab side is located into the notch in the cab front and the rear downstand is located underneath the cab floor and against the inner rear buffer beam. the front needs to be aligned manually and this is done by making sure the top of the side is exactly level with the top of the front cross piece as shown.



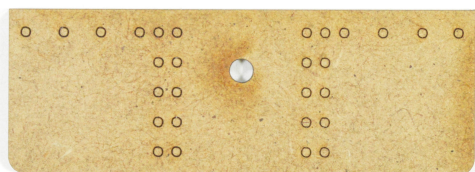


Locate the piece which made the front of the tank and fit it making sure that the rivet detail is at the top, the sides line up with the sides of the tank and the top lines up with the top of the sides as shown, the slight protrusion of the frames will help to line things up.

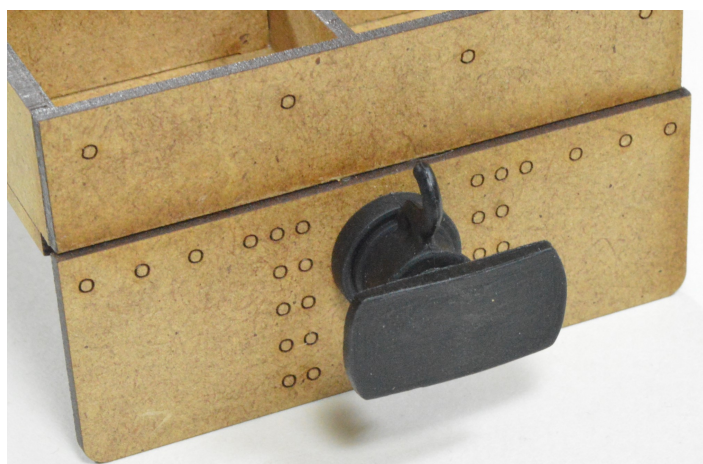


Locate the part for the guards seat which is on the 3mm Parts # 2 fret and fit it as shown.

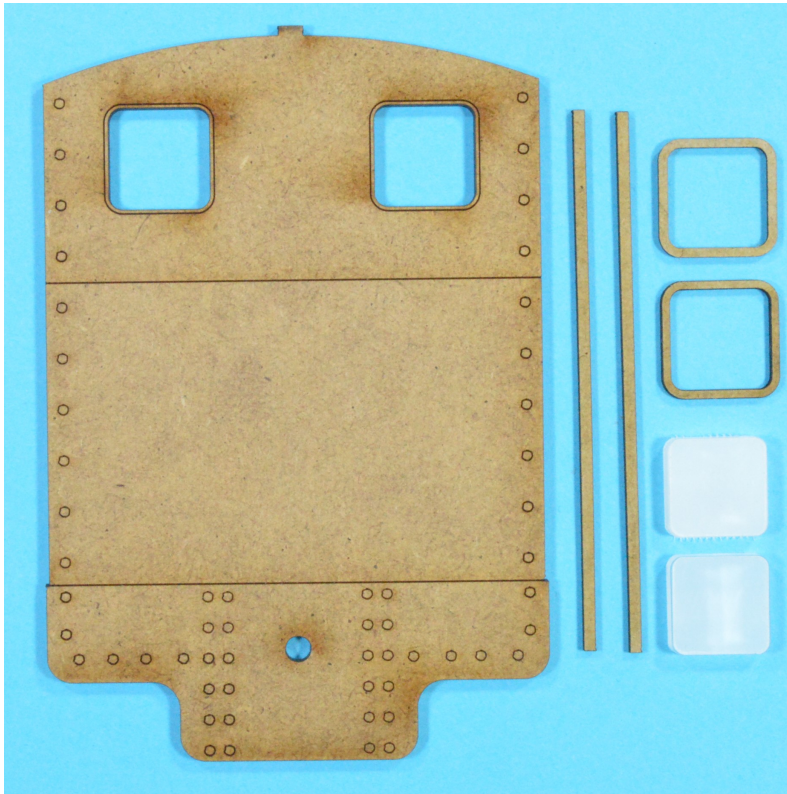
With plenty of access inside the cab, now may be a good time to paint it before putting on the back of the cab and the roof.



Locate the piece which made the front buffer beam. If you want to fit dummy rivet heads to the positions shown then this may be a good time to do it whilst the buffer beam can still be layed flat.



Line the buffer beam up with the hole for the buffer on the part marked "TOP" use the front buffer and the the slightly protruding part of the tank to help line it up. Please Note: the buffer beam is slightly wider than the tank and will project about half a millimeter either side, this is correct and it must NOT be sanded back flush with the sides of the tank.



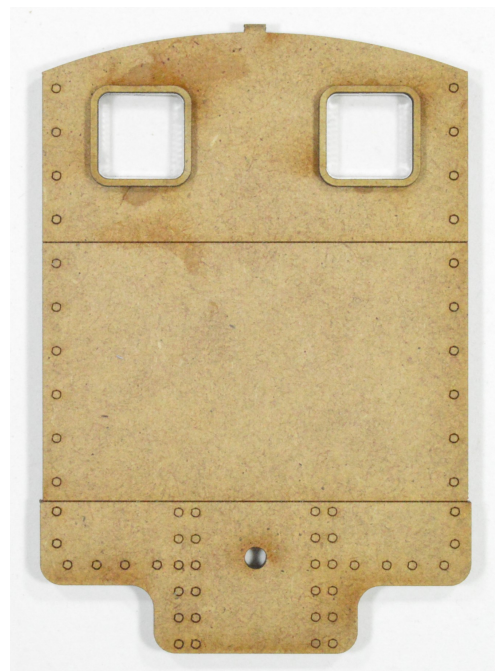
Locate the 7 pieces that make up the cab rear.

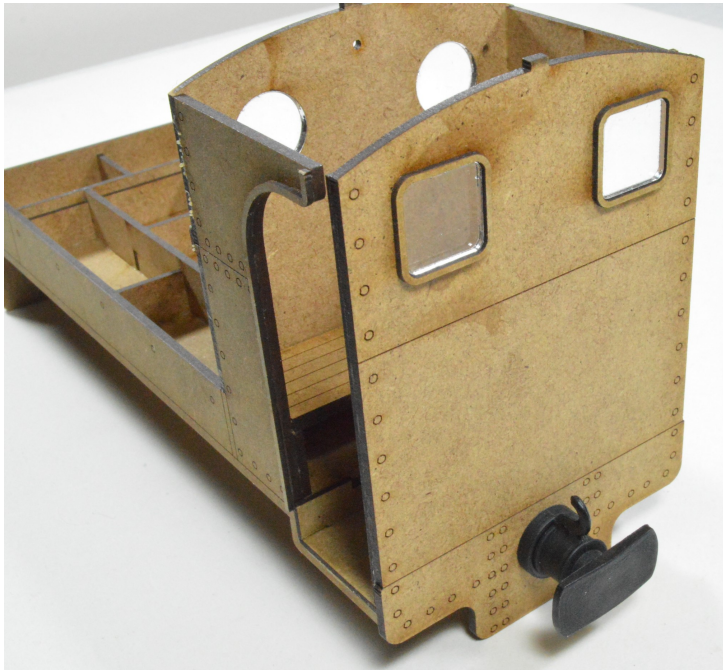
Push the glazing pieces into the window holes from the back until they are flush with the back of the cab, please Note: they will only fit into the holes one way. Locate the spectacle plates on the rear of the cab over the protruding bit of the glazing. Remove the film on both sides after painting.

Turn the rear of the cab over so that the rivet detailing is facing down, fit the 2 long thin detailing pieces to it as shown ensuring that the top end of the piece is flush with the corner of the roof line.

Please note: these 2 detailing parts are very delicate.

If you want to fit dummy rivet heads to the positions shown then this may be a good time to do it whilst the cab rear can still be layed flat.





Fit the cab back to the rear inner buffer beam using the rear buffer to help line things up. With the model on a flat surface it will be resting on the front buffer beam and the cab rear piece with the frames raised slightly, this will help to line up the cab back vertically. the 2 detailing pieces on the other side of the cab back should be just at the level of the cab floor, if not then trim them back with a sharp modeling knife.

It may be best not to glue the cab back onto the rear inner buffer beam but to rely on the rear buffer to hold it in place, this will allow for any slight adjustments that may need to be made when fitting the roof.



Time to fit the roof. Ensuring that the engraved lines are facing into the cab, locate the 2 slots onto the tabs on the cab front and back, make sure the roof is located properly and is square to the front back and sides of the cab, if not the cab rear can be adjusted slightly. Secure with elastic bands, clamps, tie wraps or whatever your personal choice is, ensuring that the roof follows the curved profile of the cab front and back.



The final piece to fit is the cab front trim which should be fitted as shown in the photo to the left, after fitting it may need trimming off with a sharp modeling knife.