



Ffestiniog Quarry Workmen's Coach Type 1b

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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.

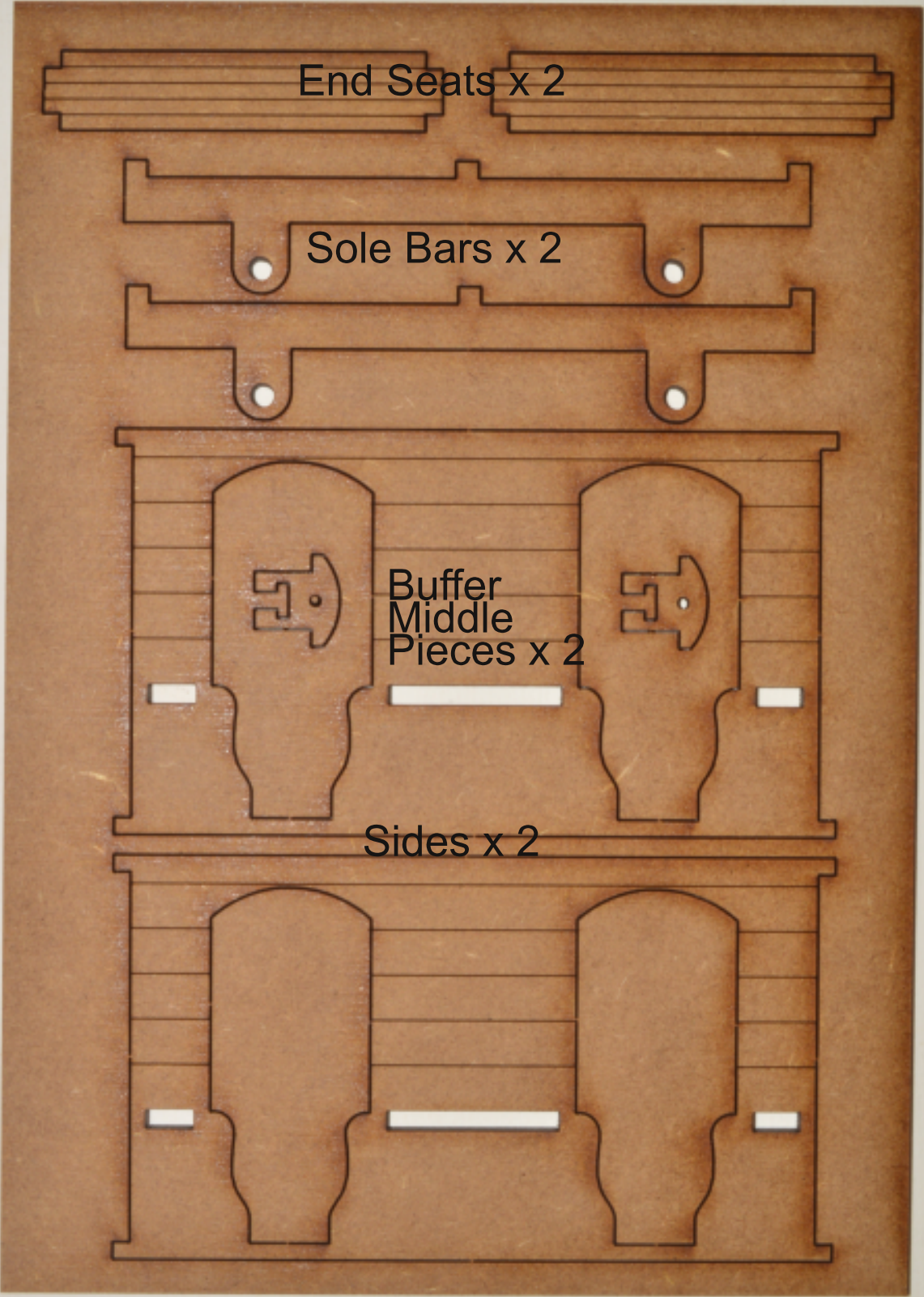


Side Centre Overlays x 2

Centre Seat

Sides x 2

Floor





Side End Overlays x 4



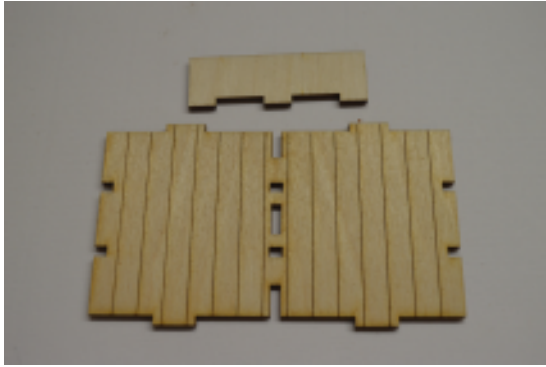
Roof



Centre Seat Support

Buffer Top & Bottom Pieces x 4





Locate the floor and centre seat support.

Assemble the 2 pieces as shown ensuring that the engraved lines on the floor are facing upwards.



Locate the 2 pieces which make up the sides of the coach.



Fit the first side to the floor using the projecting taps at the door openings to locate it. Ensure that the sides are pushed fully against the floor and that the engraved lines are facing inwards.



Locate the 2 end seats and the centre seat.



Fit the seats into the locating holes in the side ensuring that the engraved lanes are facing upwards.



Fit the second side to the floor and seats ensuring that the engraved lines are facing inwards.



Locate the 2 sole bars and the 4 brass bearings.



Press the bearings into the holes in the sole bars.



Fit the solebars into the locating holes on the underside of the floor ensuring that the flange of the bearings are facing outwards.

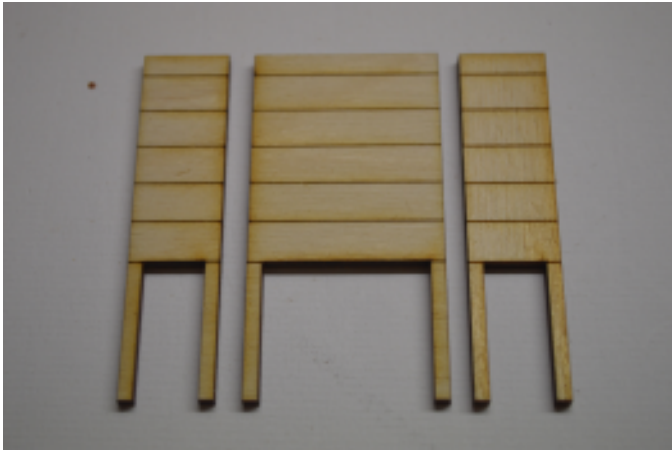


Locate the 2 end pieces.



The end pieces fit between the side pieces as shown using the locating tabs.

Ensure that the engraved lines are facing outwards.



Locate the side overlays, there are 2 sets of these consisting of 2 centre overlays and 4 end overlays

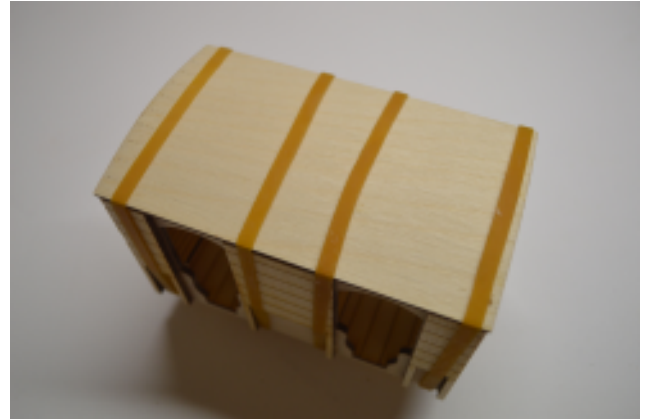


Fit them to the sides of the coach ensuring that the engraved lines are facing outwards and that they are correctly aligned with the door openings, the ends of the side and the roof and floor lines.

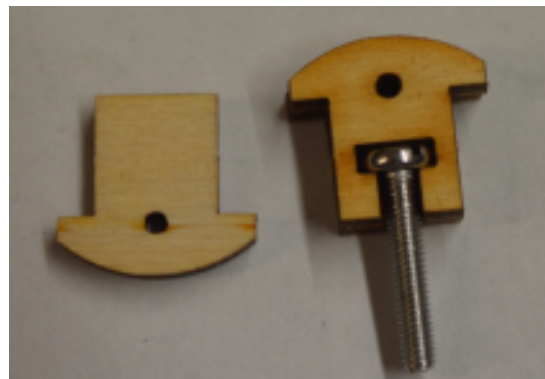


The roof is deeply scored on the underside to help it bend to the radius of the top of the end pieces, this however does make it rather fragile and will split if it is bent too much.

Glue around the top of the ends and sides, then position the roof with the score lines facing inwards. Align the roof so that it is square with the body and clamp it so that it takes up the profile of the end pieces and that the top of the sides are in contact with the underside of the roof. As there will be pressure from the roof to try and open up the glued joints at the side I suggest it is left for 24 hours before releasing the clamps.



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.



The wheels and axles can now be fitted. Whilst holding the axle with a pair of pliers the wheels can be pushed / twisted on. Set the back to back distance between the wheels to 28mm. When assembled around 5mm of the axle will protrude from the hub of the wheel, this can be left rather than trimmed off.



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