

# Maintenance Stand

## Construction Instructions

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## Introduction

The Maintenance Stand is constructed from 3mm and 6mm MDF. As such normal DIY woodwork procedures can be applied to them. The parts are cut by a laser cutter which results in smoke marks on the surface of the wood. One side of the wood will have slight marks and the other will be more pronounced. Some parts are symmetrical and you are therefore able to choose the visual effect you wish. For asymmetrical parts if you wish to remove the smoke marks then fine sandpaper may be used (use a sanding block, not just the paper on its own).

Where glue is required during assembly a good quality wood glue (PVA) should be used. When wiping the excess away wherever possible wipe it towards the burnt edge as this marks less.

Dry fitting components prior to gluing is highly recommended, i.e. compulsory! You should also use an engineers' square during construction to ensure that everything goes together absolutely square.

# Construction

1. Fix the thinner strips of neoprene to the two verticals.  
The non-moving vertical is identified by square ends as seen here on the right hand side. On this piece the neoprene needs to be clear of the tabs so that they may slot into the base.  
On the moving vertical the neoprene may go to the bottom of the tabs.
2. Use a sharp knife to trim the neoprene on the non-moving piece.



3. Glue the two small gussetts onto the non-moving vertical.  
For the Small O Gauge Maintenance Stand there are three gussetts that need to be glued at this stage.  
**NB.** Do not wait for the glue to dry before moving to the next step.



4. Glue the non-moving vertical to the 3mm base piece (with the two round bolt holes).



5. Fix the larger neoprene piece to the 3mm base. Place it hard up against the vertical.
- Use the edges of the base to trim the neoprene to size with a sharp knife.
- Create two bolt holes with the sharp knife.
- Tip**-turn the piece upside down with the vertical part over the edge of a table when cutting the neoprene.



6. Place the two bolts into the hexagonal holes in the 6mm base. Using the bolts to locate the 3mm base glue it to the 6mm base.



7. Glue the moving vertical to the base piece with the elongated holes. This piece may be used with the logo either face up or down depending on personal preference.
- For the Small O Gauge Maintenance Stand there is a small gusset to be glued in place first, as shown in the photo.



8. Glue the two larger gussetts to the moving piece.
9. Once the glue has dried use a sharp knife to trim the neoprene to size.



10. Once the two pieces have dried they may be bolted together. Be careful not to overtighten the nuts. It is not necessary to get them really tight and it will result in the wood being deformed.
11. From the smaller piece(s) of neoprene cut four pads and place these on the bottom of the unit. These will prevent the stand from sliding around.

