

Seat box instructions

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The laser cut mild steel parts are supplied pickled and oiled, you will find it easier to clean and degrease them before bolting up the assemblies. The steel is then unprotected and needs to be kept dry or surface rust will form.

The laser cutting sometimes leaves a small amount of oxide on the lower edge of the cut, particularly on thicker steel. I use the back of a hacksaw blade and wire brush to scrape it off. You only need to remove anything that is loose.

Lightly sanding or scouring the surfaces before bolting together is a lot easier than doing it afterwards.

If you are going to use acid etch primer the scouring or sanding is not really required.

The folded joints can be filled and smoothed or left 'as is' for a more industrial look.

Painting - I prefer to fold all the parts, prime with etch primer, assemble then top coat in gloss.

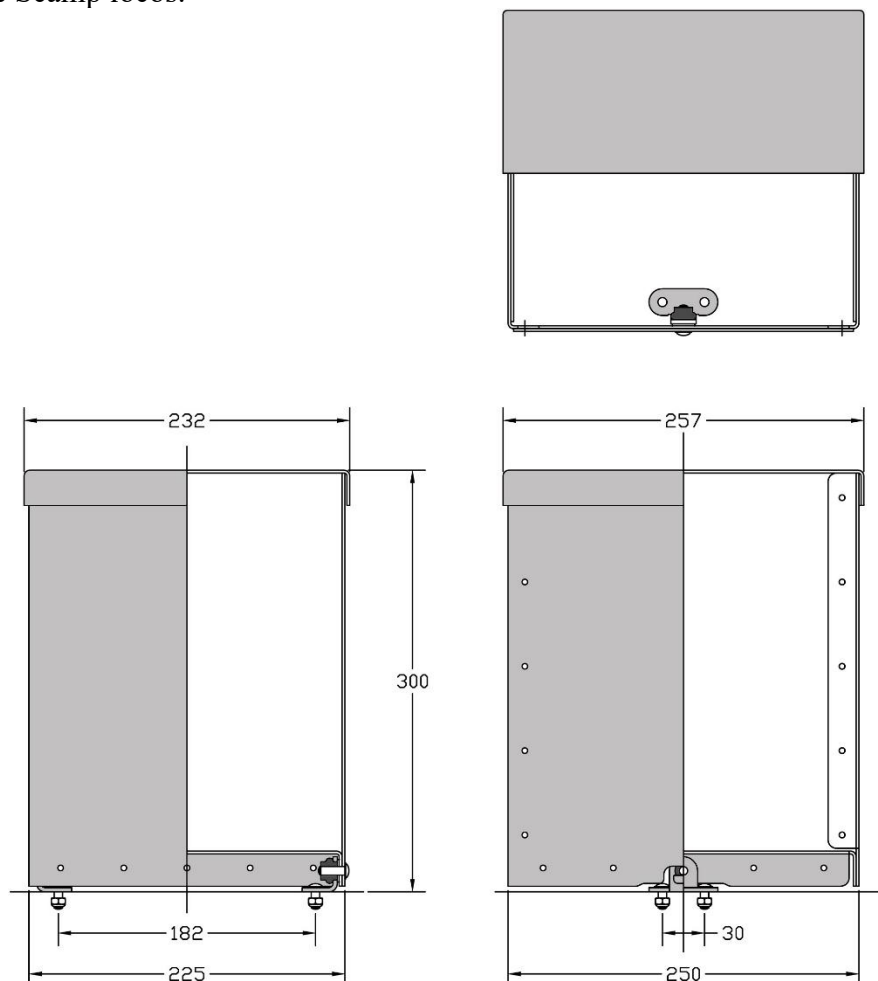
Tools required

Pop-rivet gun.

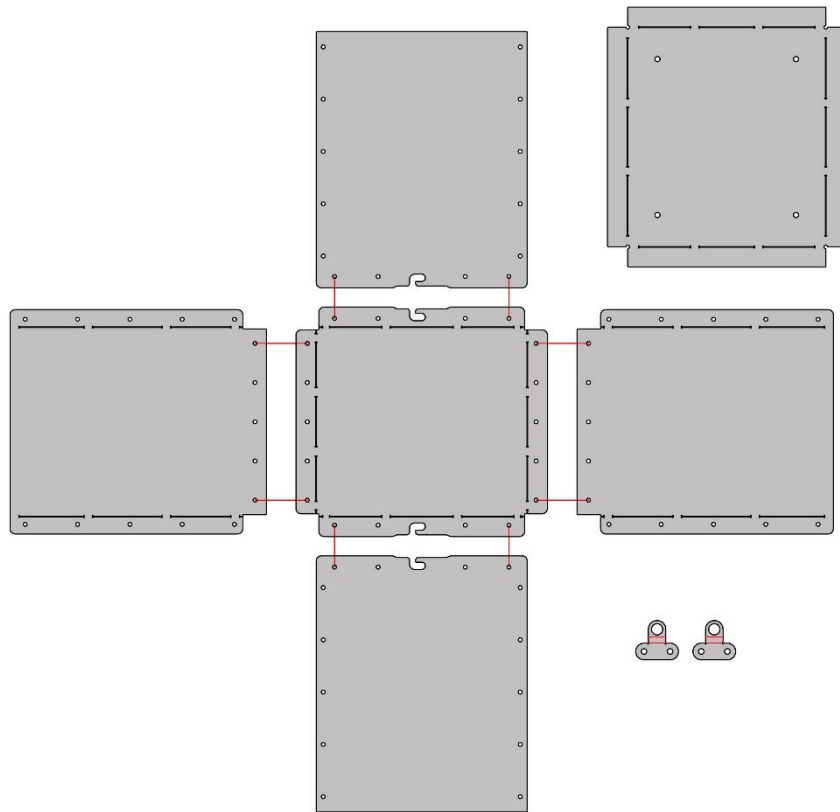
Vice.

Seat box overview

This box is intended for supporting a seat and carrying all those useful bits and bobs. It's based on the one used on the Scamp locos.



A pair of mounting brackets are included with the kit, using them allows the seat box to be removed quickly to assist in lightening a loco for moving it by hand into a car or trailer.

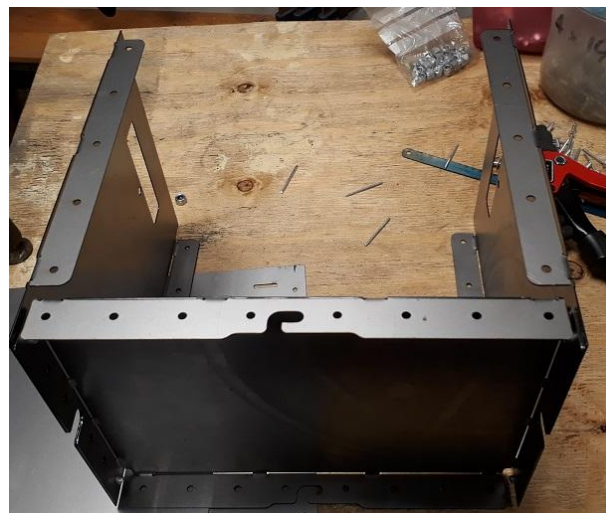


Parts supplied

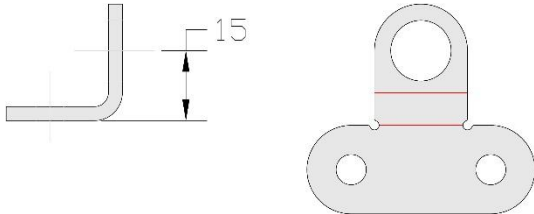


The flanges are easily folded by hand by simply pressing them against a flat surface. Just make sure that the flange is folded in one go and doesn't end up being twisted and stretched.

The two side panels have their flanges folded to ninety degrees and the bottom and lid have all four edges folded the same way.



The flat sides are pop-riveted to the base with 4mm x 6mm long aluminium pop-rivets with the 'L' shaped slots matched up and the 'hooks' located inside the flanges opposite each other at one end as shown above left. Edge trim is added to the sides of the base. Four holes are provided in the lid to allow the attaching of a plywood based cushion.



Clamp the sides of the brackets with the large hole in the vice up to the upper etched line and fold the brackets through 90 degrees so that the folds lie between the upper and lower etched lines.



The brackets are screwed to your footplate with M6 screws and a rubber well nut pushed into the holes. An M6 screw is screwed into the well nut leaving about 5mm of thread showing. The seat box is dropped over the screws, slid along to lock it into place and the screws tightened, swelling the rubber nut so that it grips solidly. Undoing the screws a little allows the seat box to be quickly slid along and lifted off to lighten a loco ready for transport.

Seat box shopping list

Edge trim, 2mm,
1m

M6 Well nuts x16mm long
2 off
(also known as motorcycle fairing nuts)

Rubber matting, a cheap car floor mat

4mm x 6 long aluminium pop rivets,
100 off

