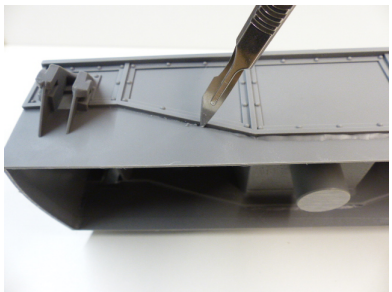
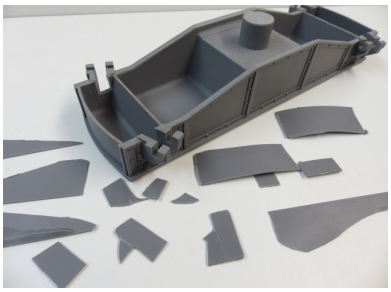
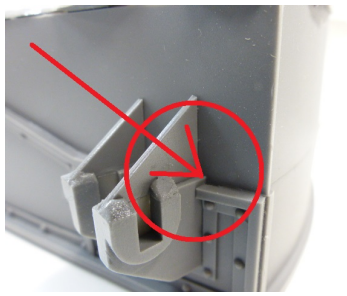
1.

Cut off all flash on the underside of the table using a cutting tool of your choice. We tend to score the parting line with the back of a sharp scalpel and snap off cleanly, then finish off with a sharp file or scrape with scalpel blade. Some of the flash on this model will need a little more than this, a sanding disc on a Dremel tool will work very well or a few strokes of a sharp file will see the job done. Please note when filing, that the wheel holder casting is at a different height (about 1.5mm) from the table side, see the close up picture.

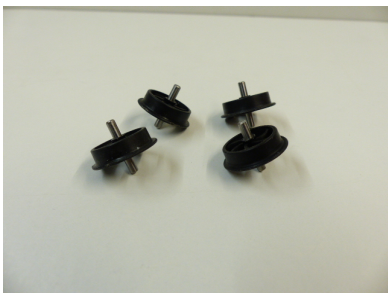






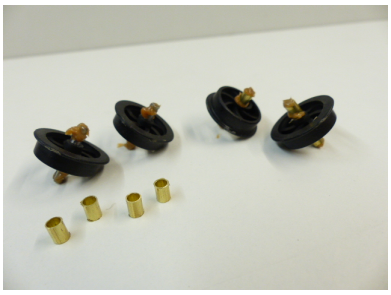
2.

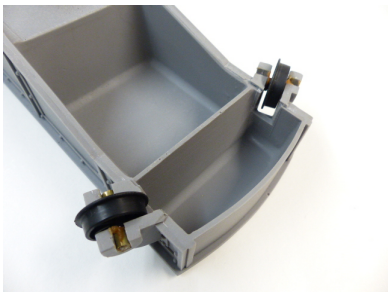
Using a 32TPI hacksaw, Junior hacksaw or cutting disc on a Dremel tool, cut the stainless steel axle bar into 4 pieces at 20mm long. Remember to put protection over the vice jaws so the axles do not get marked. File the ends of the axles to a clean burr free finish and bring them down to 19mm, add a slight bevel to each end as well. Make sure each axle is not longer than the wheel holder it is going in. Push the wheels onto the axles so the wheels are exactly central.



3.

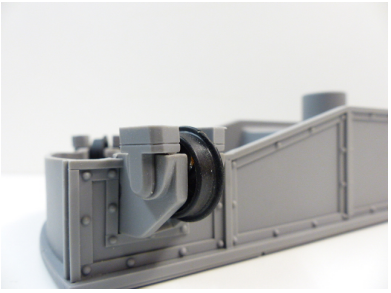
Clean up the ends of the 8 brass axle bearing tubes with a small file for the outside and scalpel for the inside. Grease up the ends of the axles. Use more than you think you'll need, as this will help stop glue from getting into the bearing at step 5. Fit the brass tubes and drop the assemblies into the wheel holders of the table. The flange should be on the inside of the rail.





4.

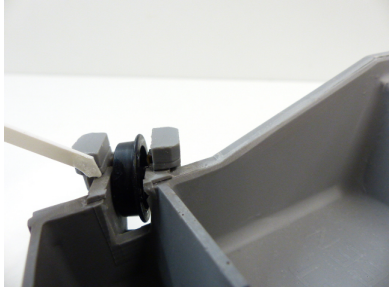
Push the 8 bearing holders into place. These holders should be a nice fit, but not too tight. If any are more than a nice slide fit, gently file or scrape a fraction of resin off so the fit is good.
At this point, mount the table to the pit and check for any rocking in all four corners above the wheels. If any rocking is found, identify what wheels the table is rocking on and remove a fraction of resin with a small round file from the bottom of the bearing slot. Alternatively you can add a LITTLE car body filler to the bottom of the bearing slots that are too deep and file them back. You are looking for a rock free table.

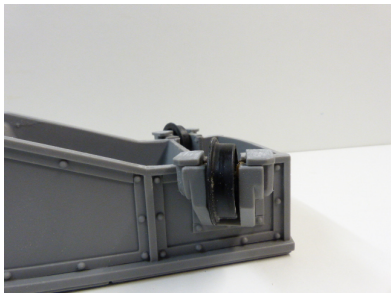


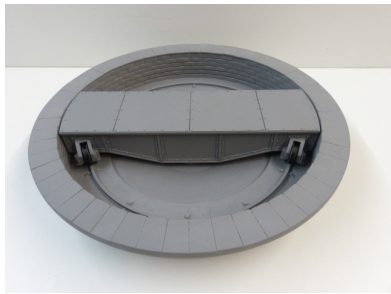
5.

******* THIS BIT IS IMPORTANT!!*******

Once the bearing holders are in place, put **very small** amount of glue to **just** the **bottom** of the bearing holder. If any glue gets into the bearing, the wheel will lock up solid and cause lots of problems! File off the bottoms of the bearing holders, leaving about 1mm of thickness.







6.

INDOORS

You may want to retain the table within the pit, for example, on an indoor portable layout? For this we suggest drilling a pilot hole into the middle of the table pivot and bolting on a large washer. Because we need to display our demonstration turntable on our stall at shows, we have rebated our pit so the underside is fully flat. This can be simply done with a wood working router or Dremel type tool.

OUTDOORS

If you're using this turntable outside, we suggest you do not fix the table to the pit as above, and remove the table after use. This is to stop garden grit and muck getting into the bearings. Also, drill a 10mm hole into the lowest part of the pit for water drainage.

TRACK

If using with SM32 track, we suggest cutting off all the sleeper ties and respacing the sleepers with a 24mm gap. This is how we designed the table to be and all the rivet detail will be in the correct place without fouling the sleepers. The rail length will be 275mm. If your engine needs a fraction more length, you could make the rail longer, but this would run off the table and overlap the pit. It would be up to you how far to go and what looks right. All other track types, LGB, O gauge, gauge 1, would require other methods suited to your own needs.