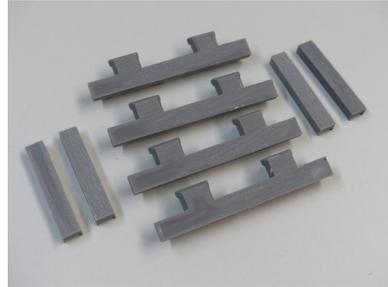
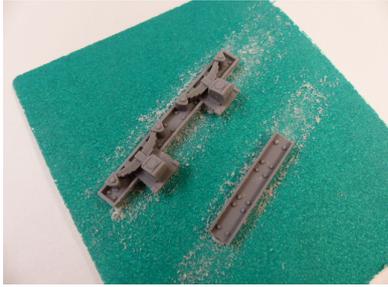


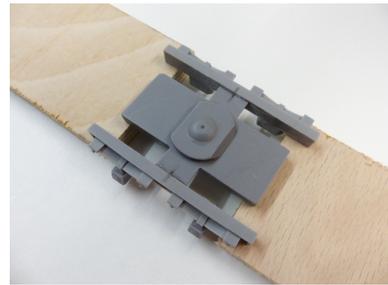
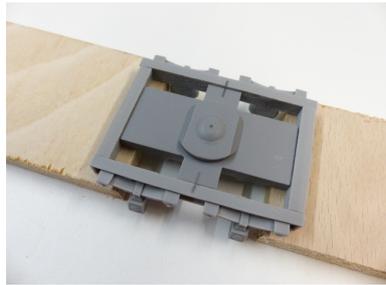
1.

Gently sand the backs of the 8 castings on some flat 80 grit sand paper until smooth and flat.



2.

Using two off cuts of flat plywood as a construction stand, lay up the full bogie so the frame fits perfectly around the main body. The end bars may need a fraction of filing or sanding on the ends to bring them down to the correct length. Once you are happy, draw an alignment mark on each side. Remove the 4 sides and starting with the side frames, glue them onto the main body using the marks you made to align the sides in the correct positions. The plywood will act as a 'base' for the frames to rest on while gluing so the underside is fully flush to the main body.



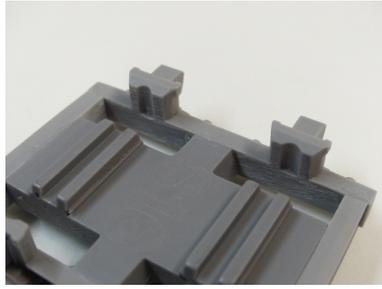
3.

Assemble the wheels in the normal way by filing the tubes flat on the ends and removing burrs with a file on the outside and craft knife on the inside. Assemble with a small drop of car engine oil on the axle so the brass tube is lubricated.



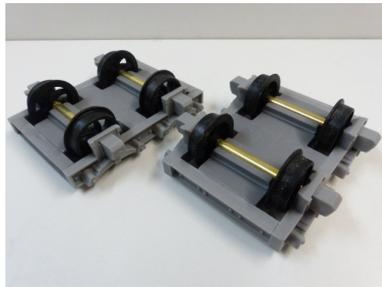
4.

With a Dremel tool or similar, make a small groove in the rear of the axle boxes to give axle clearance.



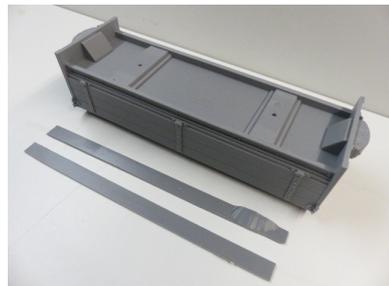
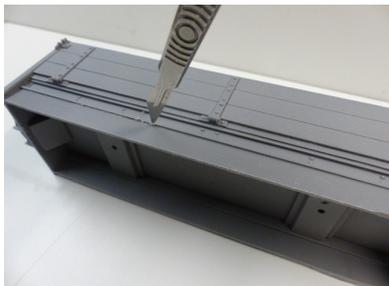
5.

Glue the wheel sets into the slots with a SMALL drop of glue making sure they are centralised.



6.

With a tool of your choosing, cut away the waste resin from between the buffers. We like to score the joint with the back of a scalpel and snap off cleanly, then scrape to a good finish. Don't forget to trim off the flash under the buffers.



7.

With a pin drill, drill 1.7mm holes in the marked spots on top of the buffers. Bend up the brass wire into your type of hooks and glue into place.



8.

Drill 3.5mm holes in the body deck. Drill 2.5mm holes into the bogies. Screw the bogies onto the body making sure the ball top is free to rock and the bar top cannot rock from side to side but free to move in all other directions. Cut the screw covers from the flash and VERY carefully glue into place with a SPOT of epoxy on the SIDE of the cover. Too much will flood the screw and lock up the bogie movement!

