

BRAEMER MODELS

GREAT BRITISH MODEL KITS

1:32 Chieftain Low Loader Model Kit



Instruction Manual

1:32 Chieftain Low Loader Model Kit

CLEAN ALL RESIN PARTS IN WARM SOAPY WATER

The silicone release agent used in the casting process will react with paint, it must be thoroughly cleaned off before painting.

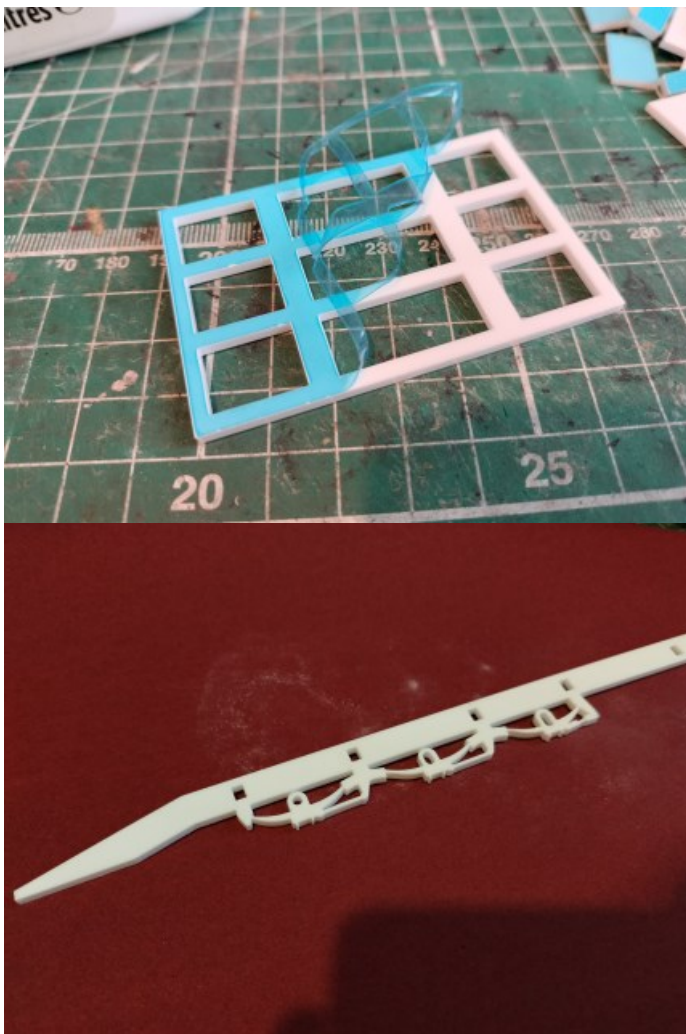
This is a guide to using the kit. Care should be taken at each stage to make sure the model is going together correctly and any alterations that are not in the instructions should be carried out.

Glue: Recommended glue is a good quality super glue such as Gorilla Super Glue. I use the Blue Lid Gorilla Super Glue which is readily available from most hardware stores including B&Q and Screwfix. It provides a strong bond, the acrylic around the bond will snap before the bond breaks.

Paint: The instructions will suggest the best point to paint components. A good quality automotive primer or plastic primer followed by automotive acrylic is recommended. Brands such as Hycote or Halfords are likely to be problem free and provide a good finish to your model while being readily available.



Read all the instructions before building to avoid any unexpected surprises



Step 1: To start with I recommend cleaning the resin parts (wheels and tyres) in a strong washing up liquid solution. Remove any flash from the resin parts too, this is excess resin left over from the casting process where resin is poured into the mould.

Then remove the plastic backing from all acrylic parts and use a knife to cut the small tabs holding each part to the sprue, DO NOT push the parts out, always cut them. Sand back the surface with a fine grit sand paper 220 grit or less. The laser cutting process causes a slight raised edge on most parts that will inhibit strong adhesion. By sanding these edges off a stronger glued bond can be made and the surface of the plastic is improved for paint adhesion. Sharp edges can give a thin paint application that shows as white edges in the final paint.

It is important to take care when sanding as Acrylic is a brittle material and can easily snap. If something does break simply line up the crack lines and glue back together, leave 24hrs before using the part again so the glue can set firmly. Same applies to resin parts.

BRAEMER MODELS

GREAT BRITISH KITS

Step 2: Glue the four part 7's to the back of both part 1's. They fit evenly between the wheel arches as pictured. Repeat for both sides.

Step 3: Glue the five part 35's into the slots in the chassis rail part 4. Make sure all the cross members are glued sat 90 deg to the chassis rail.

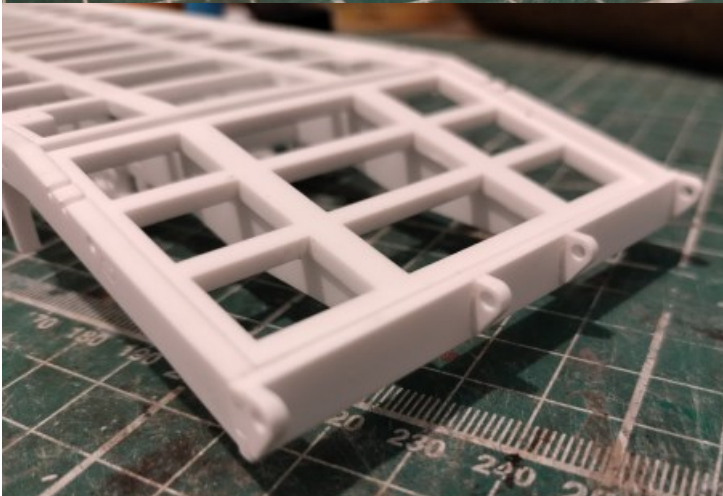
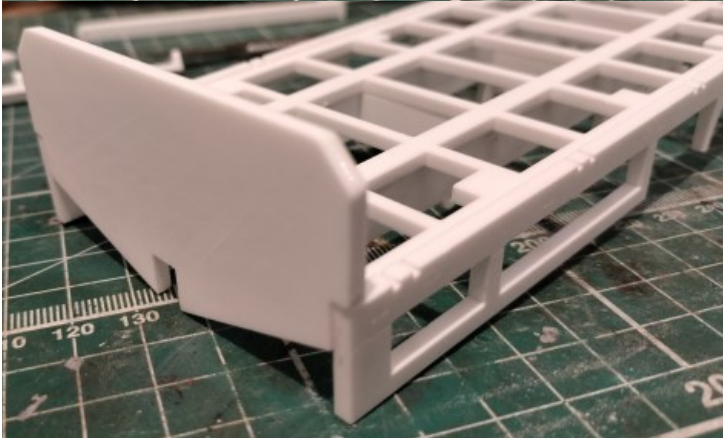
Step 4: Glue the second chassis rail part 4 to the other end of the cross members ensuring the hole assembly is straight and true.

Step 5: Glue the assembly onto the floor sheet as illustrated. Note that the front of the floor is the end with a clear bearer before the first lashing ring. Ensure the chassis is glued to the side without engravings on.

Step 6: Fit the headboard. The headboard glues to the front of the chassis rail/floor. The engraved side should point towards the rear of the trailer (not the front). Align so the bottom of the notches on the side are 1mm higher than the top of the floor.



Step 7: Fit the side assemblies. Align the front end with the notch in the headboard, the rear should sit flush on the tops of the part 7's you glued on in step 1. This should leave the entire side approx. 1mm higher than the floor. Repeat for both sides.



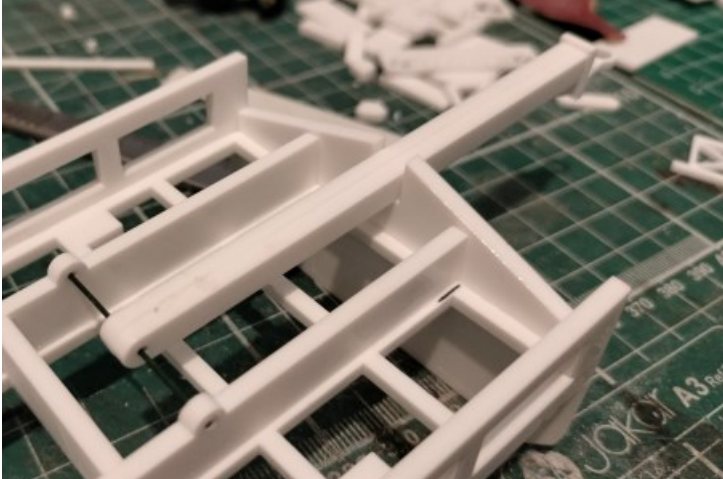
Step 8: Assemble the rear end. Glue the rear floor part 3 between the sides and onto the chassis. Cap the rear off with part 6 and glue the four part 13's into the slots on part 6. The shorter tab on the end of part 6 should be at the top, the longer end should be at the bottom so that part 13 sits flush with top but not the bottom.



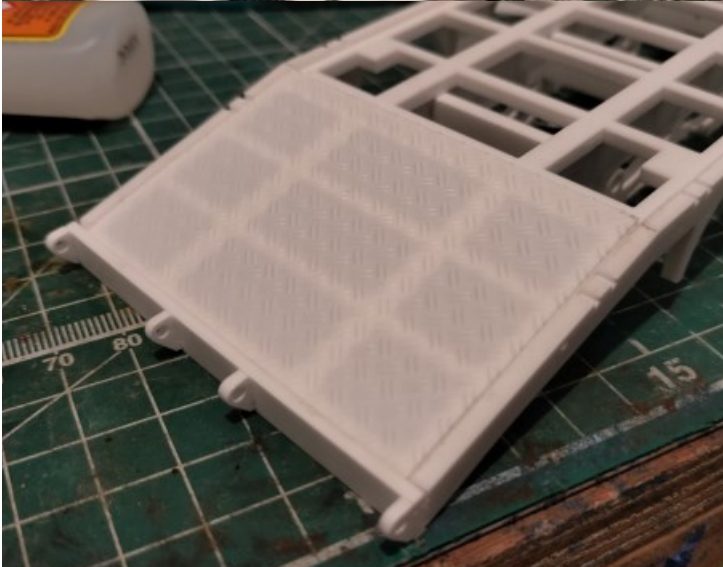
Step 9: Glue the two part 14's together back to back to form the drawbar. Glue the tow eye part 10 into the slot in part 24.



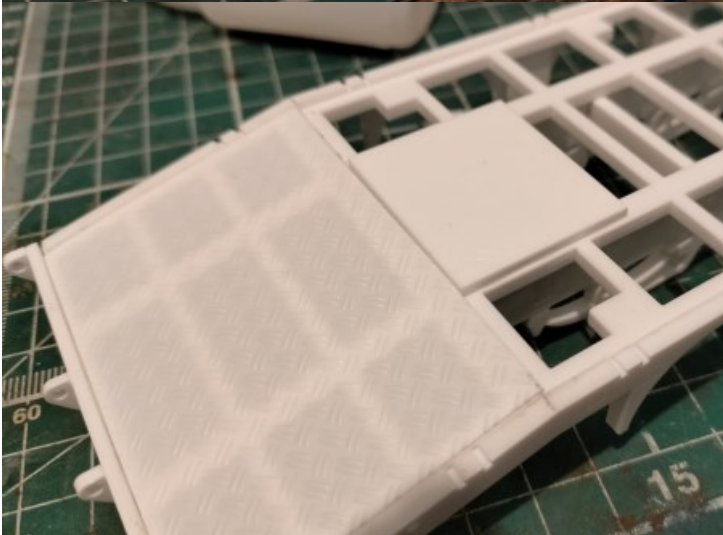
Step 10: Glue the tow eye to the flat end of the drawbar, support the assembly by gluing part 25 as a gusset between the two as illustrated.



Step 11: Cut a 34mm length of the 1mm wire, thread the wire through the holes in the chassis and the drawbar to mount the drawbar, glue the wire in place and glue the drawbar around the headboard slot.



Step 12: Glue the large sheet of checker plate to the sloping rear as illustrated.

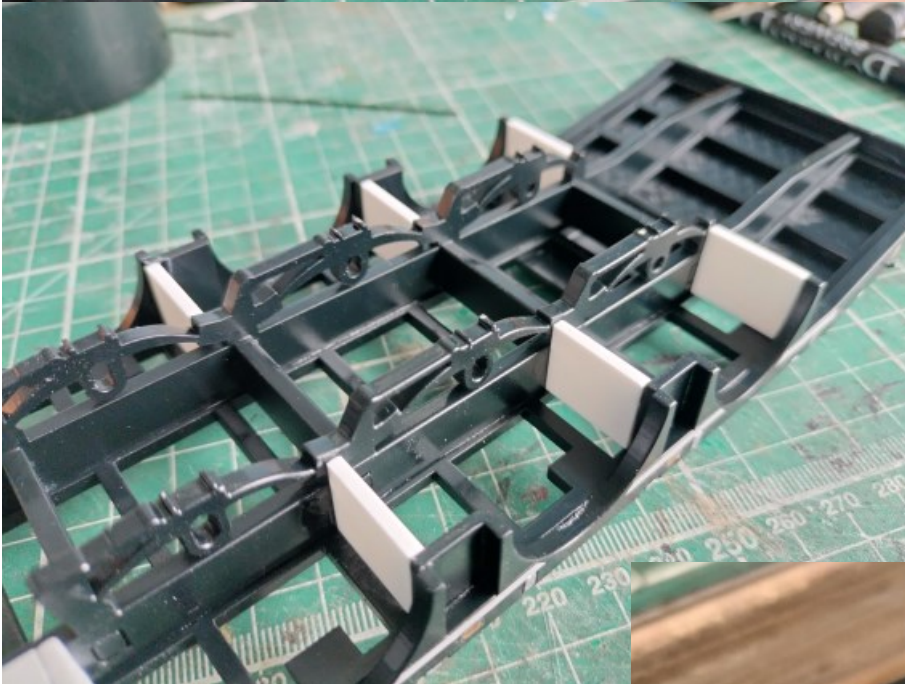


Step 13: Fit the bucket plate part 10. This glues flush against the checker plate and central on the floor. Use the floor sheet as a template to ensure it glues in the right place as the floor has to fit around it after painting.



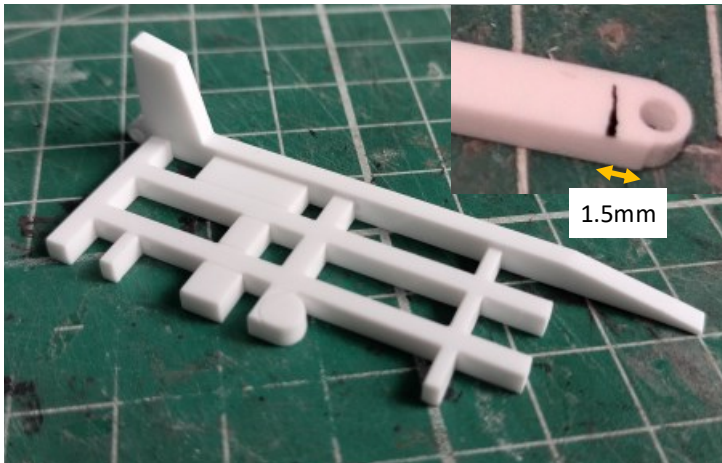
Step 13b: Ignore the paint at this stage, the parts were a late addition.

The mudguards mount by gluing to the chassis rail and inside face of the side rails as shown, the front two panels are part 39 and the rear panel on both sides is part 38.

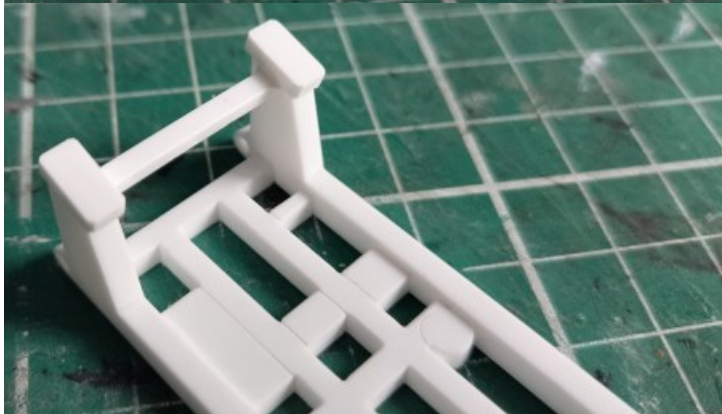


Step 13c: Also add the drawbar detailing at this point. The resin springs glue on the top of the drawbar flat against the headboard. Part 27 glues to the bottom of the springs as illustrated.

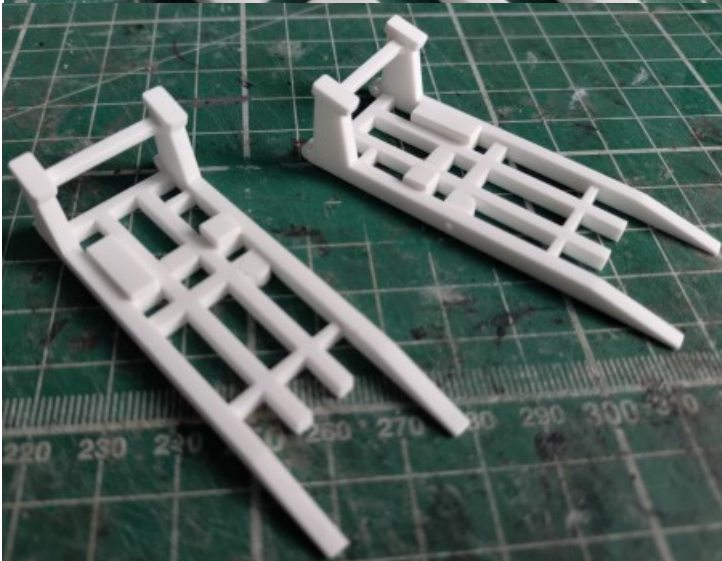




Step 14: To construct the ramps start by gluing the ramp frame part 12 to a ramp side part 11. Mark line 1.5mm up from the notch at the bottom of part 11. The bottom of part 12 should align with this notch. The engraved features on part 12 should point towards the leg on part 11.



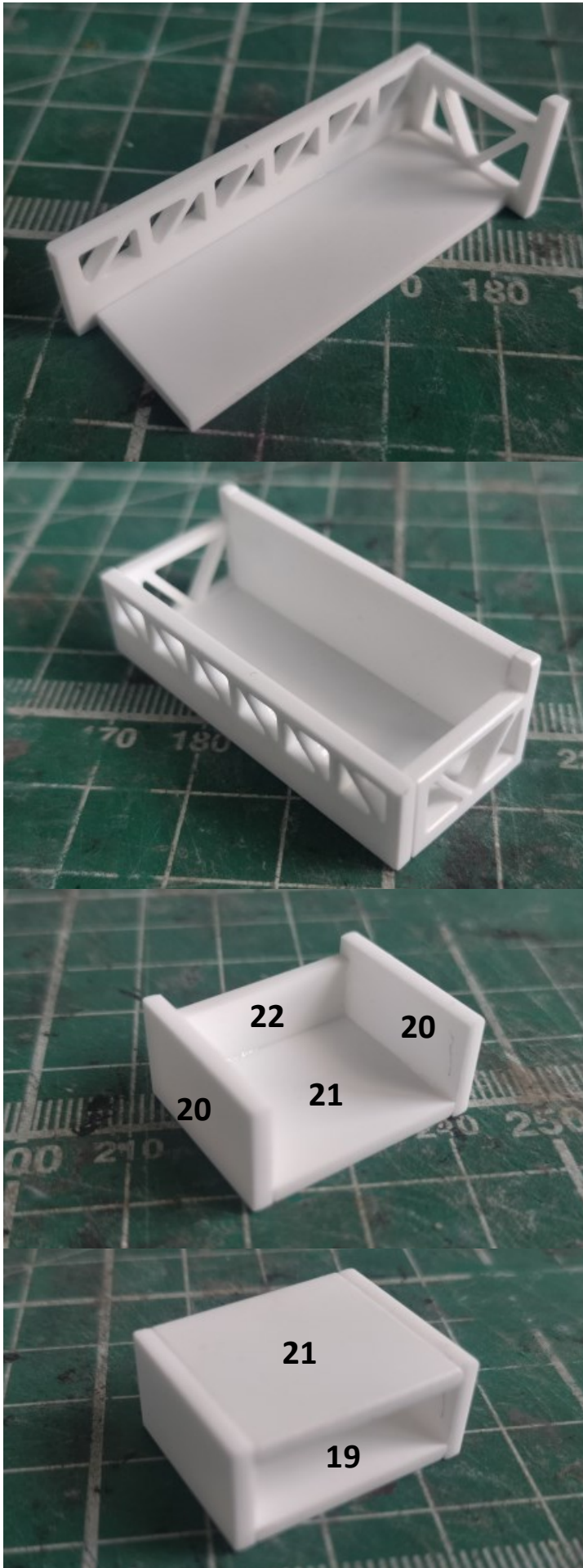
Step 15: Glue a second part 11 to the other side. Fit a part 37 in-between the two legs and cap the legs with two part 36's.



Step 16: Repeat for the opposite side ensuring the main frame part 12 is mirrored to form the other side. Glue parts 17 and 18 onto the engraved details as illustrated, this will make the lighting details.



Step 17: Fit the two smaller checker plate parts. They should fit flush with the pointed end of the ramps leaving a small gap at the hinge end.

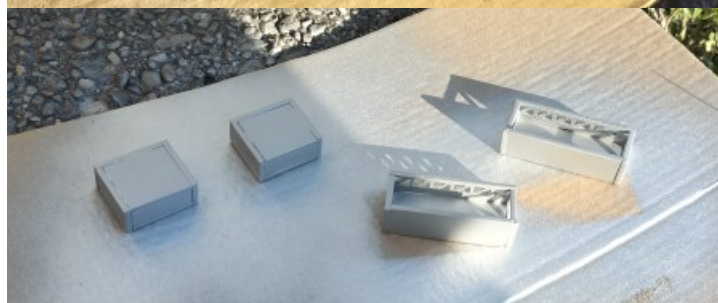
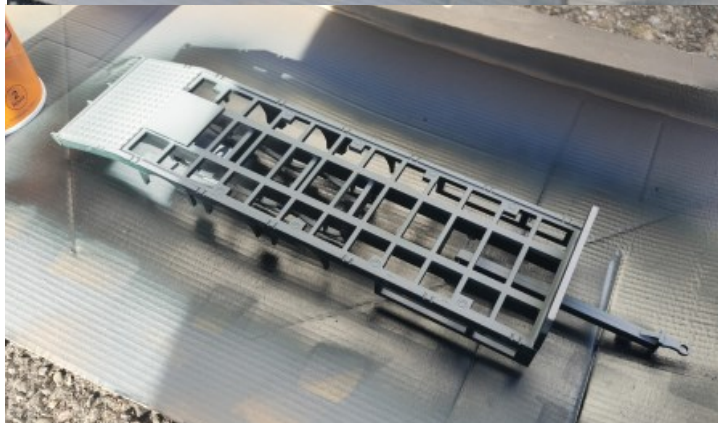
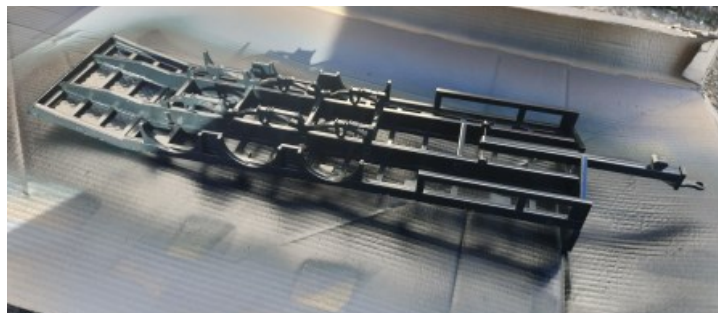


Step 18: To assemble the outrigger timber storage boxes glue the narrow edge of one side part 33 to the back of one front part 30. Begin to make it into a box by adding the floor part 31 as illustrated.

Step 19: Complete the box by gluing a second part 31 as the back face and a second side part 33. Repeat for the second storage box.

Step 20: To build the tool boxes glue the following parts together in a box shape. Part 21 makes the floor, glue the flat faces of two part 20's to either edge of 21. Glue a part 22 to the back to make the assembly as illustrated.

Step 21: Glue a second part 21 in place at the top and cap the assembly off by gluing the front panel part 19 to the front. Repeat for the second tool box.



Step 22: Painting

The model is now ready to paint. The following is how we painted the model but there are lots of different ways to paint, do what suits you.

First all parts are sprayed with Halfords Grey Plastic Primer.

Once the primer has cured the main frame was painted In Halfords S400 black.

To paint the ramps yellow Halfords Yellow Filler Primer was applied followed by Vauxhall Mustard Yellow. A white primer would also be suitable for light colours like yellow. Both part 29's were also painted yellow. You may wish to paint the ramps the same colour as the main trailer.

The tool boxes and outrigger storage trays and marker boards (0.5mm plastic sheet, remove the masking tape before paint) were painted with Hycote Aluminium Effect spray paint, any silver paint would be suitable, you may wish to also paint them the same colour as the main trailer.

Allow plenty of time between coats and leave the paint to harden thoroughly before commencing final assembly.



Step 22: Painting

The model is now ready to paint. The following is how we painted the model but there are lots of different ways to paint, do what suits you.

First all parts are sprayed with Halfords Grey Plastic Primer.

Once the primer has cured the main frame was painted

In Halfords S400 black.

To paint the ramps yellow Halfords Yellow Filler Primer was applied followed by Vauxhall Mustard Yellow. A white primer would also be suitable for light colours like yellow. Both part 29's were also painted yellow. You may wish to paint the ramps the same colour as the main trailer.

The tool boxes and outrigger storage trays were painted with Hycote Aluminium Effect spray paint, any silver paint would be suitable, you may wish to also paint them the same colour as the main trailer. Allow plenty of time between coats and leave the paint to harden thoroughly before commencing final assembly.



DRAFT

Instruction manual in progress.