

BRAEMERE MODELS

GREAT BRITISH MODEL KITS

1:32 Fraser 10ton Tipping Trailer



Instruction Manual

1:32 Fraser 10ton Tipping Trailer 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.

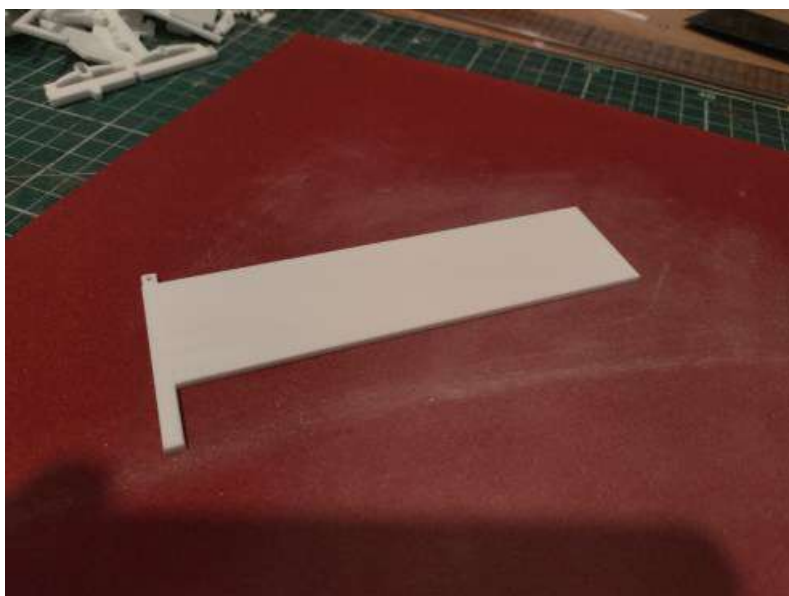
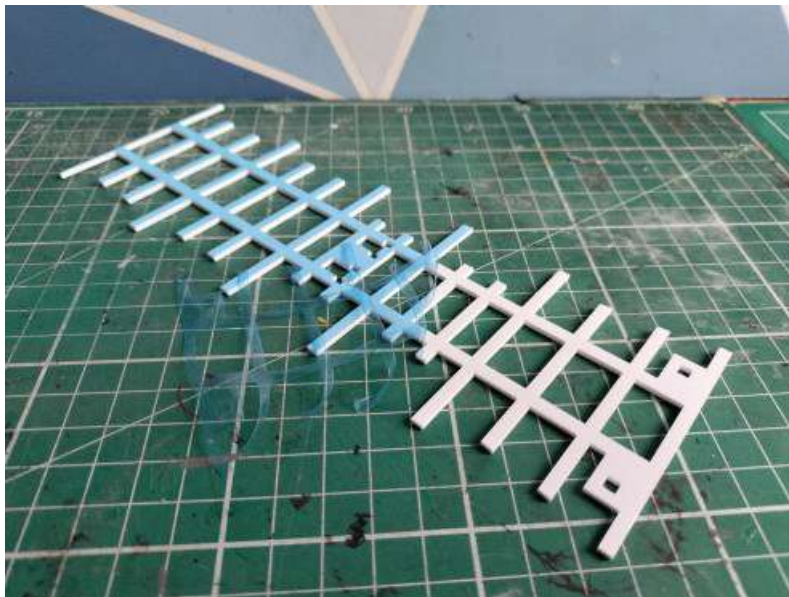


Read all the instructions before building to avoid any unexpected surprises

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.

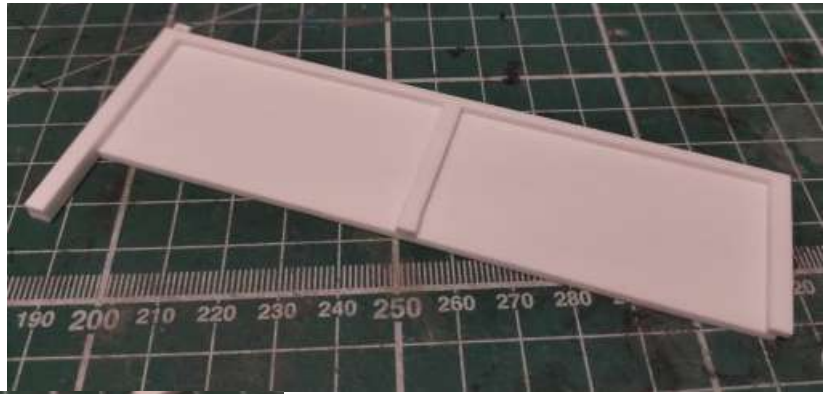
Then remove the plastic backing from all acrylic parts and use a knife to cut the small tabs holding each part to the sprue, DO NOT push the parts out, always cut them. Sand back the surface with a fine grit sand paper 220 grit or less. The laser cutting process causes a slight raised edge on most parts 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.

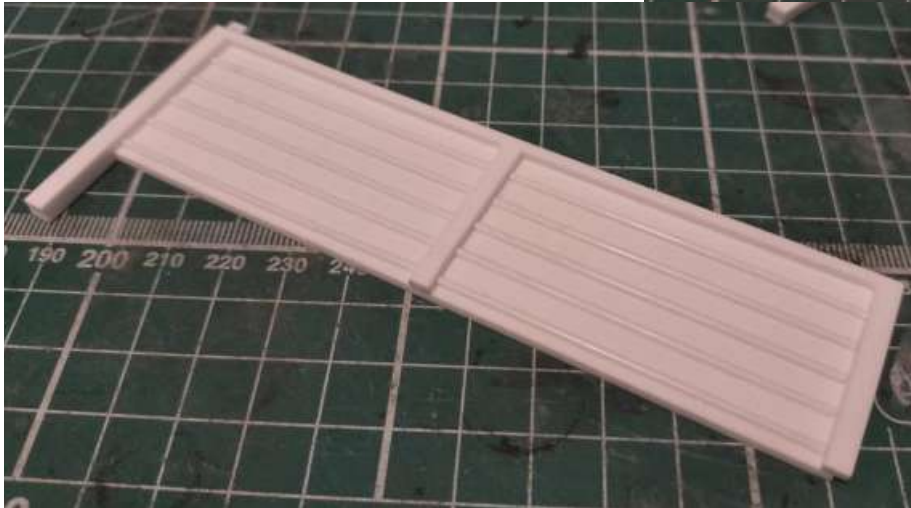


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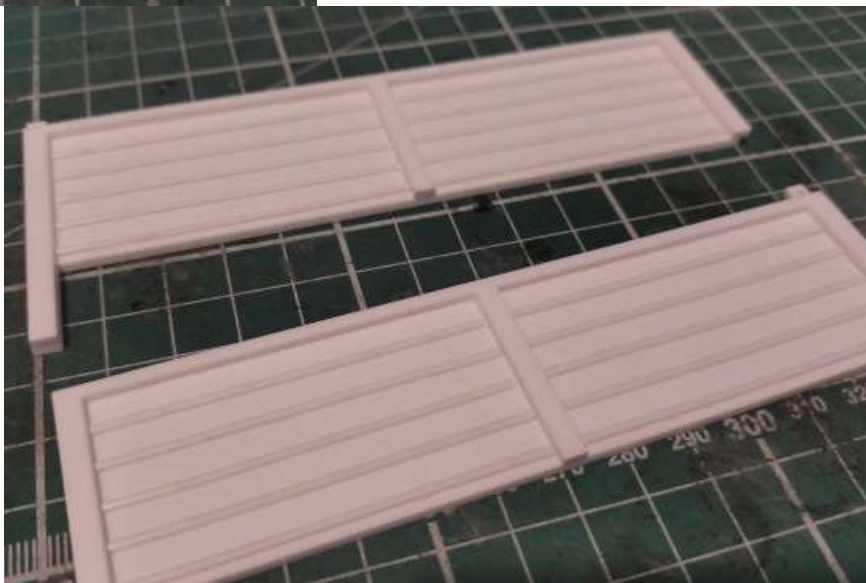
Step 2: Start the build by gluing the side sheets together. Glue part 1 on top of part 2. Ensure you glue to side with engraved lines on.



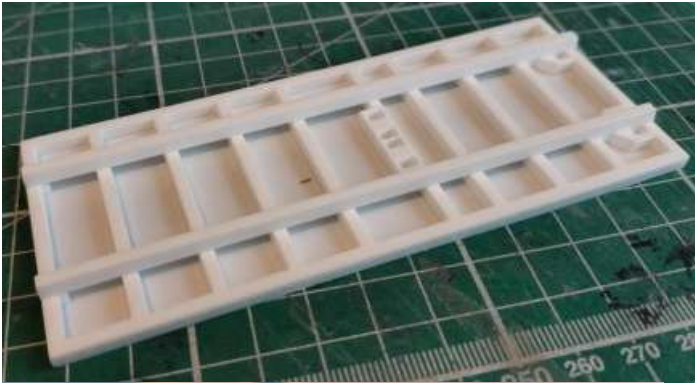
Step 3: Glue the ribs to the side. The 60mm long half round ribs should glue in between the engraved lines. It may require some trimming to fit. Repeat the process for the other side ensuring you glue them the opposite way round to create a mirrored side.



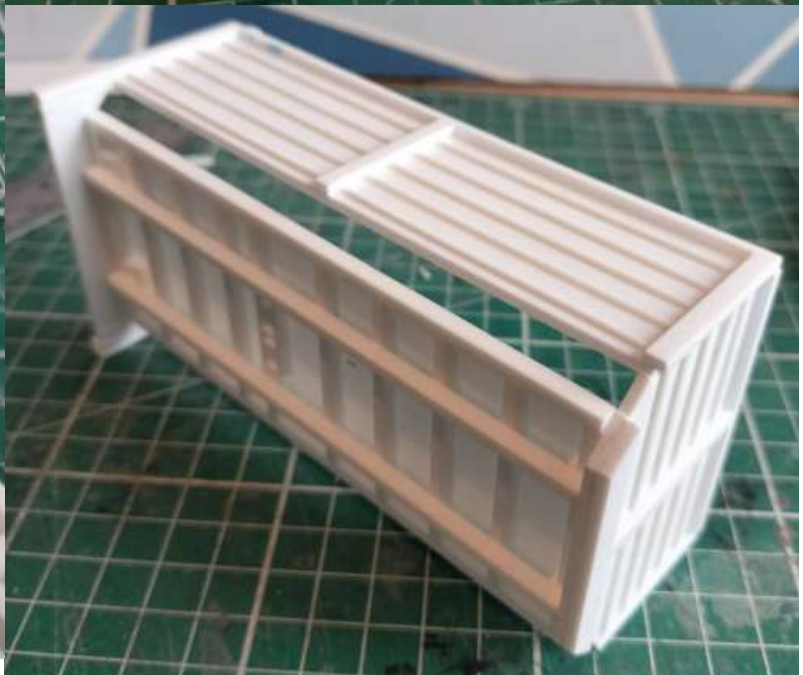
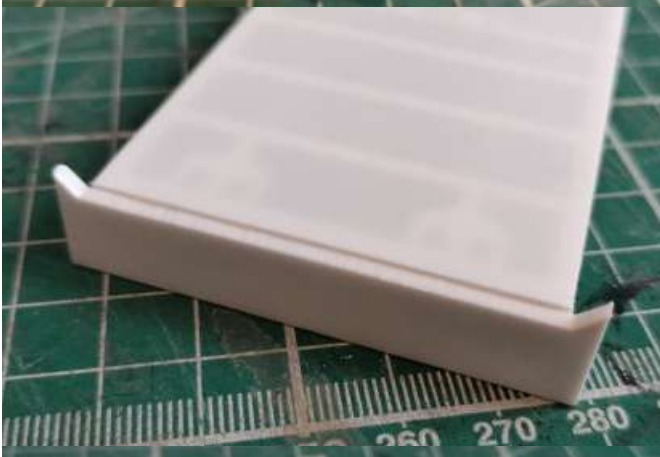
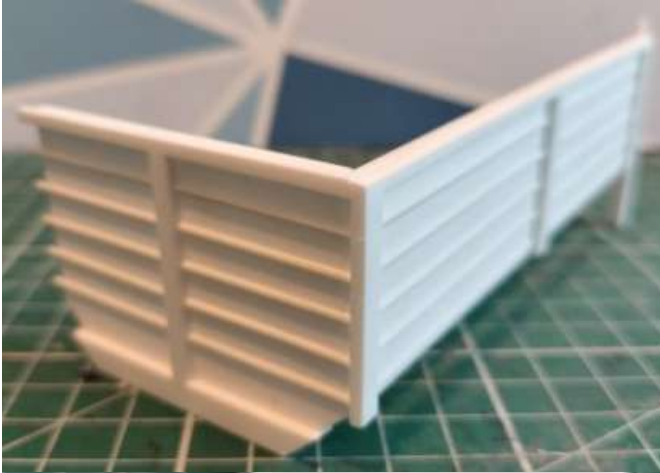
Step 4: Build up the front by gluing part 4 on top of part 3. Then glue the 30mm half round ribs in between the engraved lines, they should overlap the sides as illustrated.



Step 5: Glue the 0.5mm floor sheet onto the lasered floor part 7. Then glue the runners part 9 to the floor lining up with the notches at the front and the hinge plate at the rear.

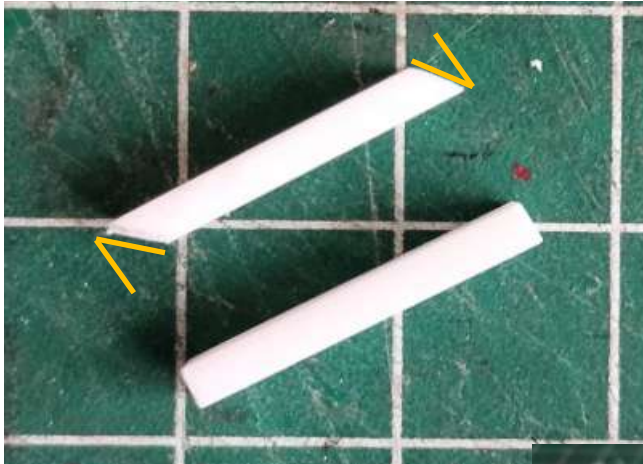


Step 6: Assemble the body, start by gluing the front and one side together, trim the ribs if necessary. Glue part 10 to the back of the floor as illustrated, then glue the floor to the back of the front and the edge of part 10 to the side. Then complete by adding the second side in place.

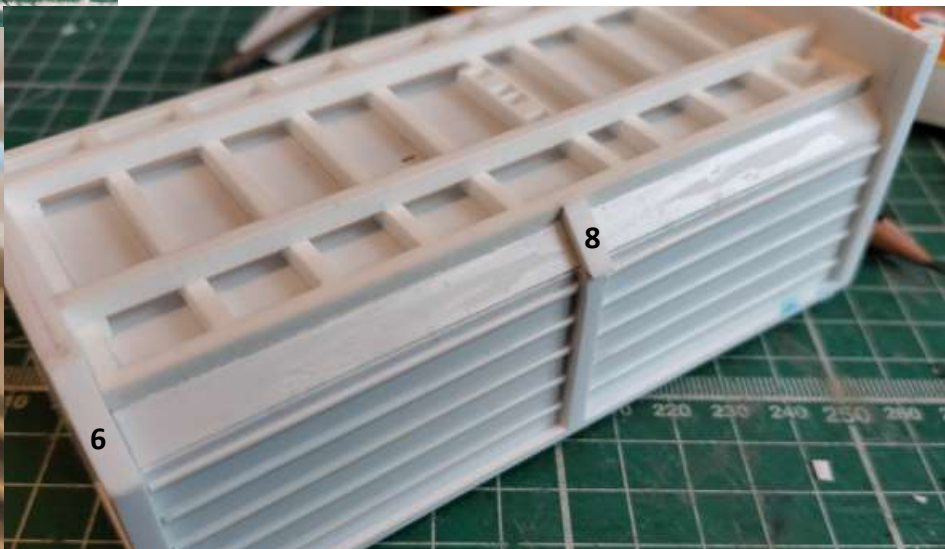


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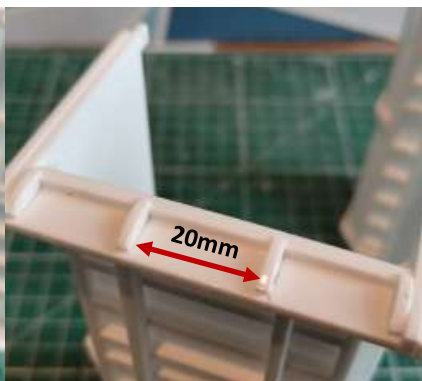
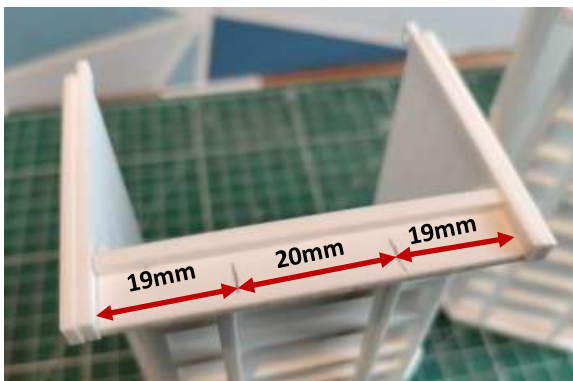
Step 7: Glue the thin 0.5mm strip over the gap between the side and floor as illustrated. Repeat for the other side.



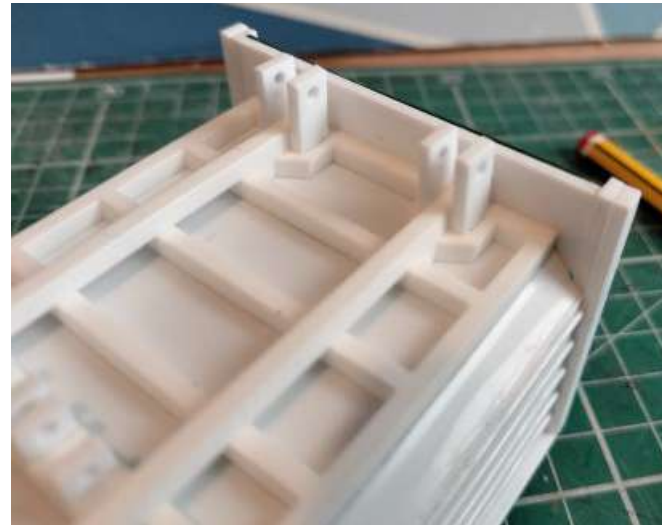
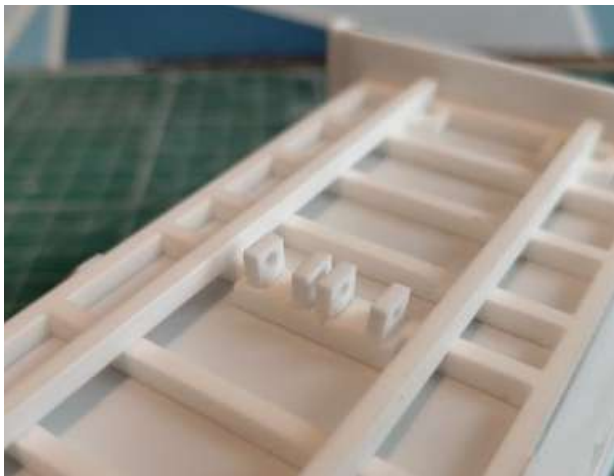
Step 8: Sand 45 deg angles to both ends of each part 6 and 8 as shown. These part 8 can then be glued onto the thin strip in line with the central trailer rib. Part 6 can be glued to the strip inline with the front. Repeat for the other side.



Step 9: Construct the rear member. Start by measuring out two marks as illustrated. Then glue the four part 39's to the rear member, one at each edge and one to the side of each mark made. Cut a length of the 1mm wire and fit into the notches in part 39. Finally add the lights part 38.

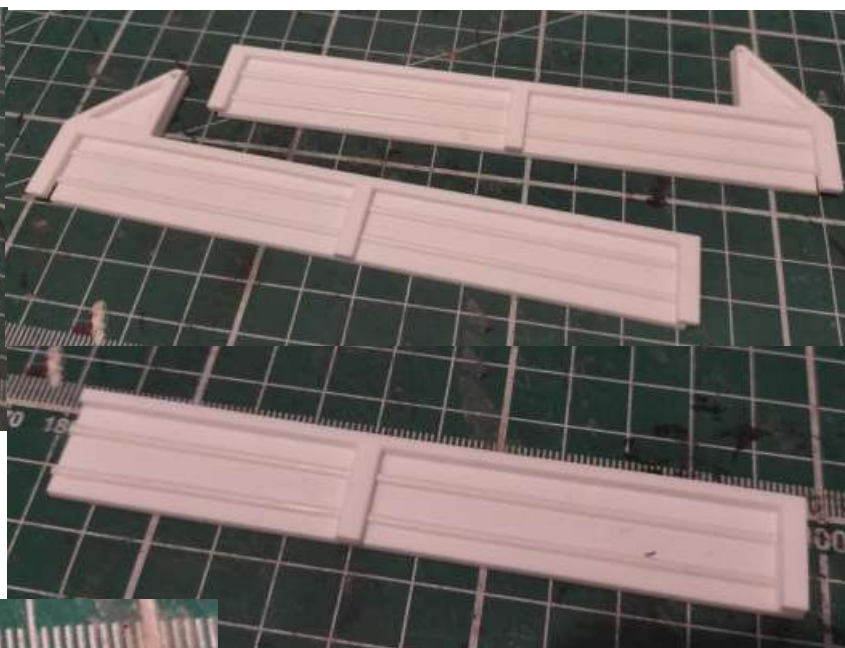
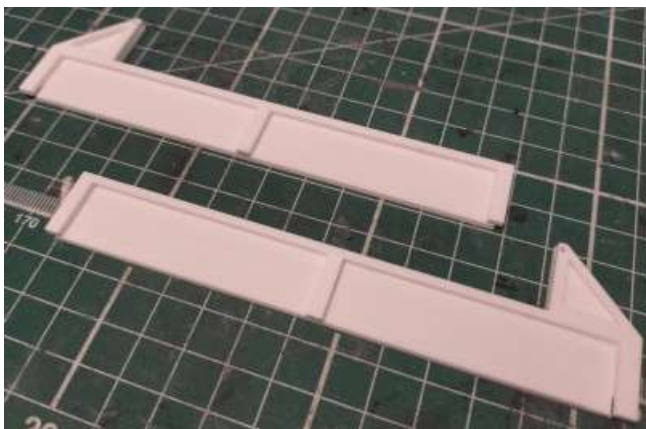


Step 10: Fit the hinges. Four part 42 glue into the centre of the floor for the ram mounts. Four part 21 glue to the rear of the floor for the rear pivot

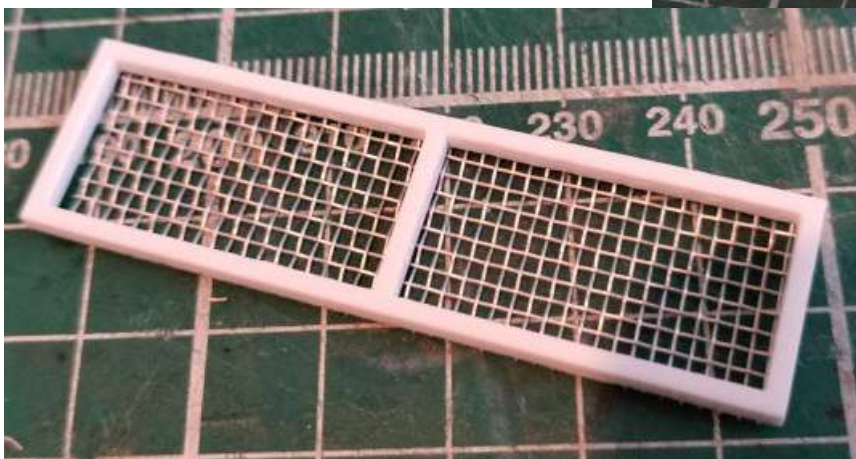


If building the grain trailer now skip to Step 15

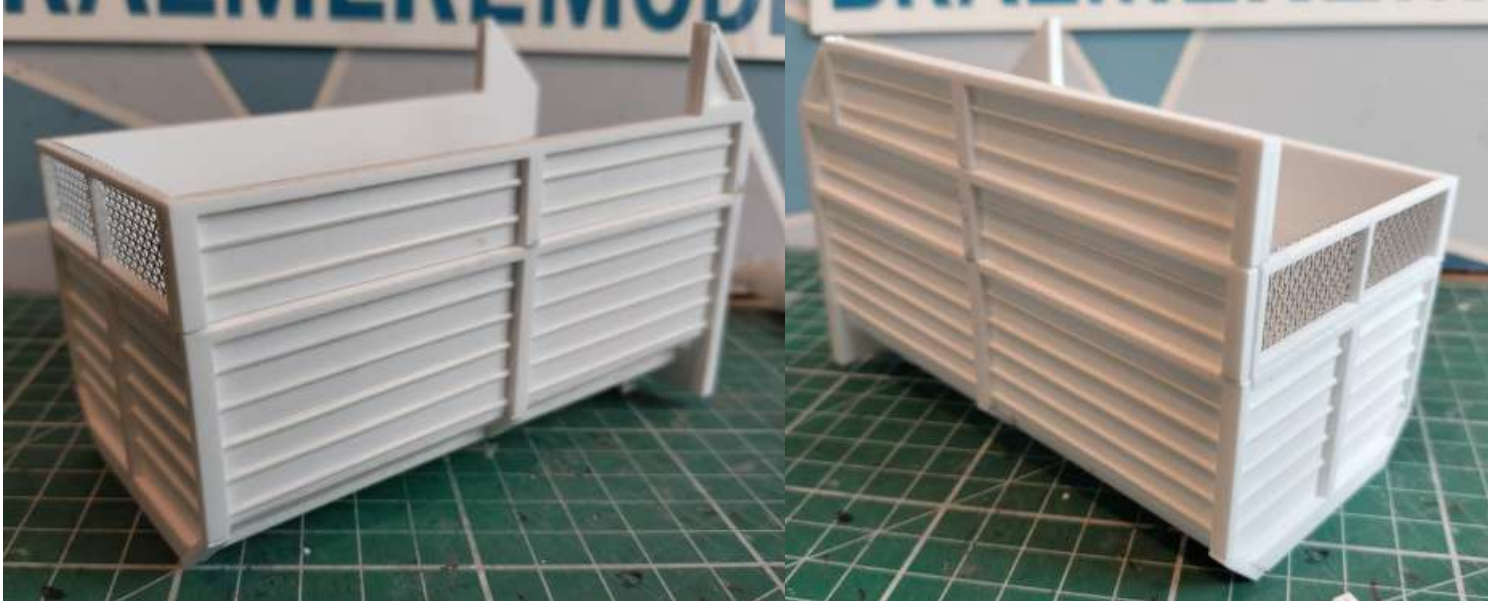
Step 11: If building the silage trailer now construct the silage extensions.. Glue part 29 on top of part 30, mirroring for the opposite side. Then glue the 60mm half round ribs in between the engraved lines, they may require trimming to fit. Choose the correct part 35 for the side you want the taller extension on, then glue the corresponding part 36 on top followed by the 60mm half round ribs.



Step 12: Glue the front grill 31 to a piece of the supplied mesh. Trim the mesh to size.

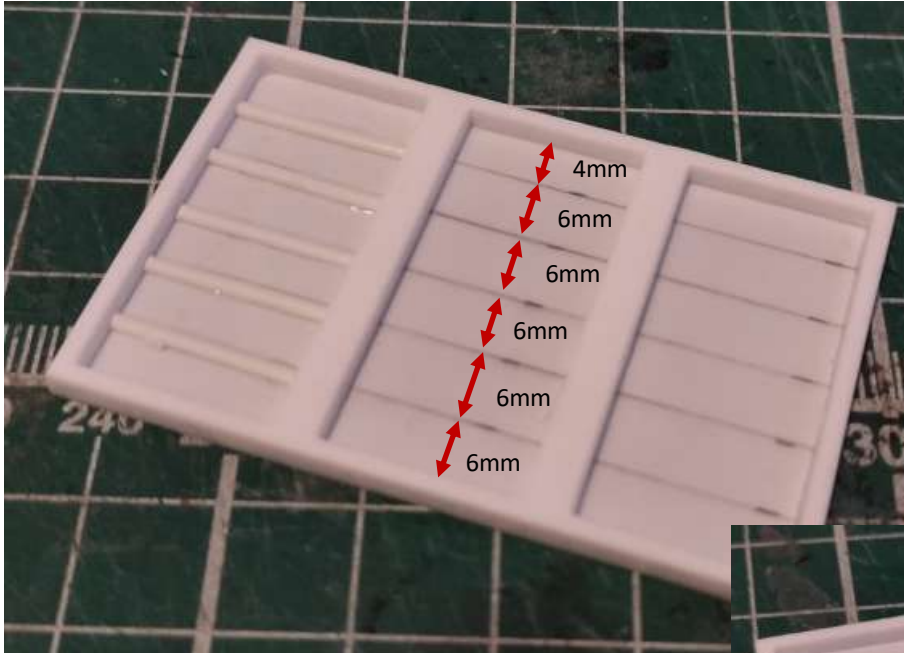


Step 14: Glue the sides and mesh on top of the body as shown. You could make some tabs that glue to the back of the silage sides to allow them to be removable.

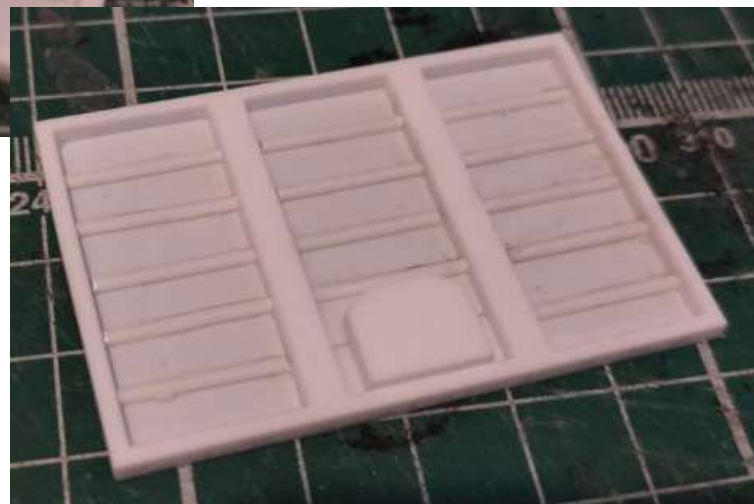


Step 15: Follow the appropriate steps for the door you require.

To make the grain door glue part 14 to the thin plastic sheet then mark out the sheet with a pencil as shown.



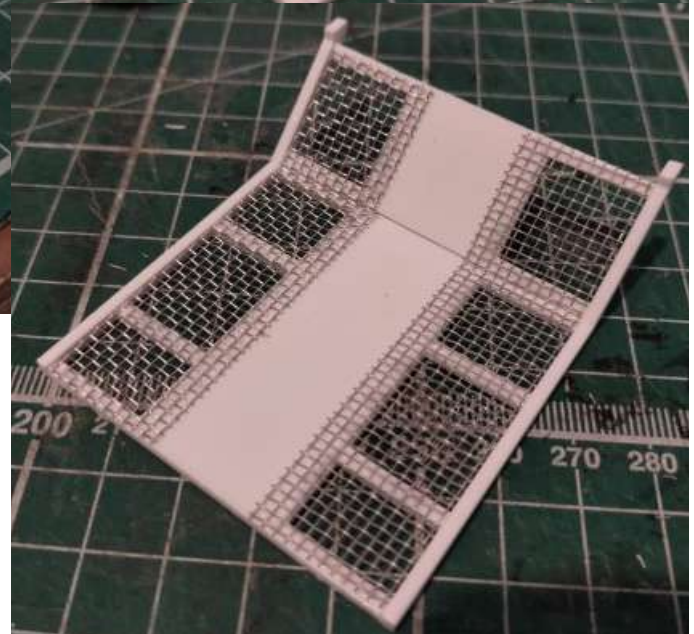
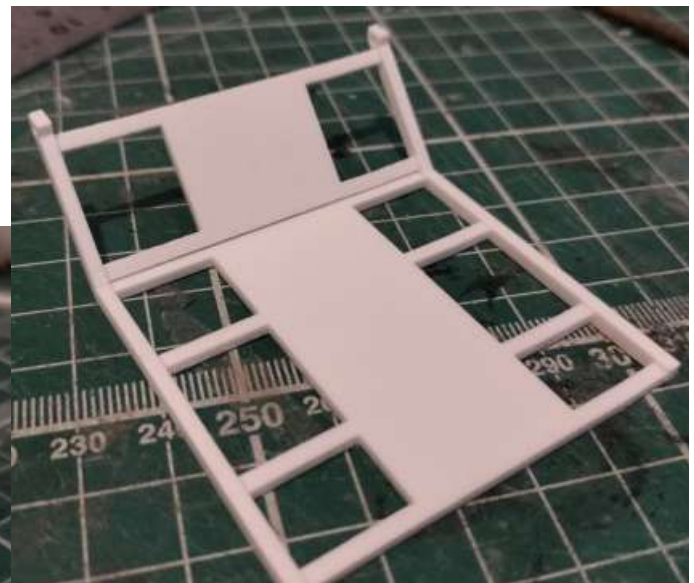
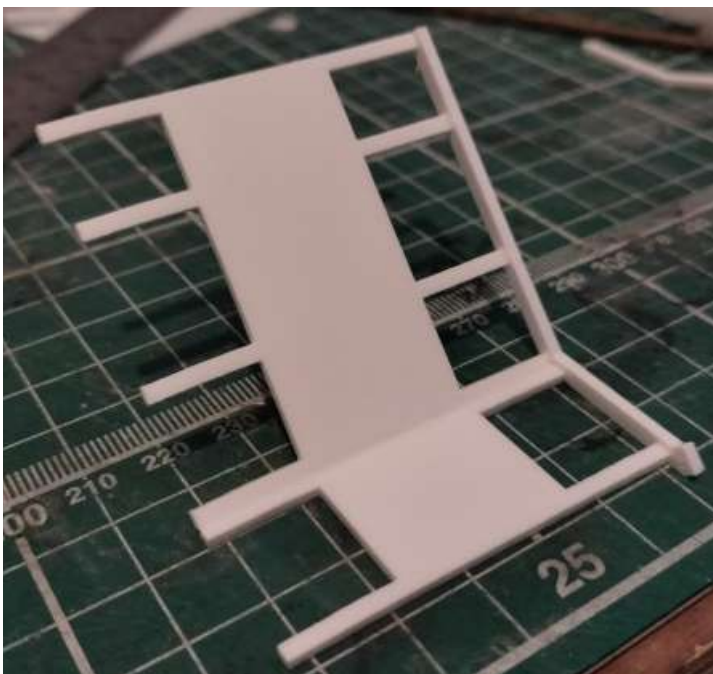
Glue the grain hatch part 23 in the centre of the door, then glue the 16mm half round ribs just below each pencil mark.

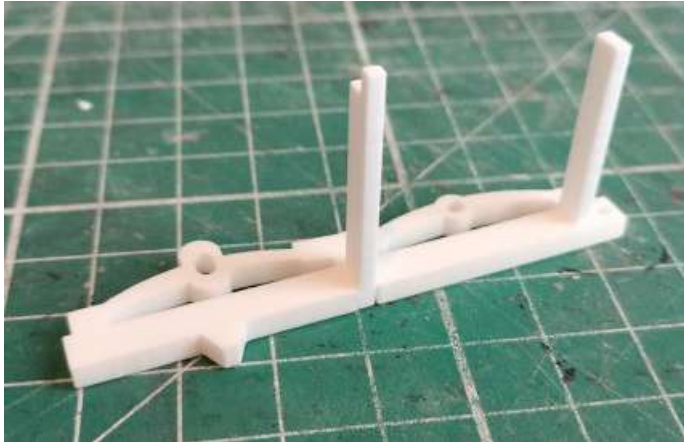


Step 16: Glue the hinges part 22 to the back of the door flush with the side. Check the door fits in the body.



Step 17: To make the silage door glue the edges of part 33 and 34 to one of the sides part 32. Also glue the joint between 33 and 34. Then add the second side as shown. Allow the glue to set and then cut some of the mesh sheet to size and glue to the back of the door.





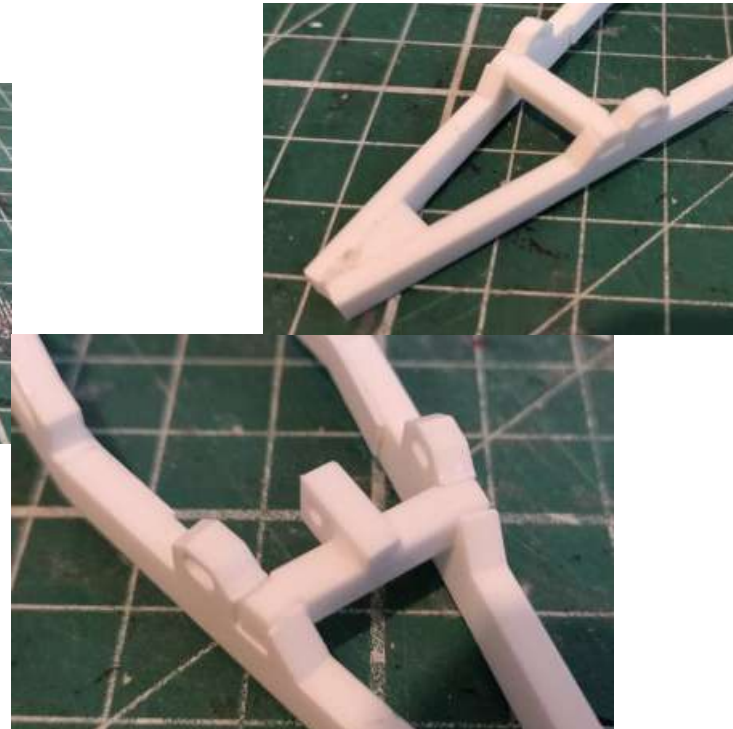
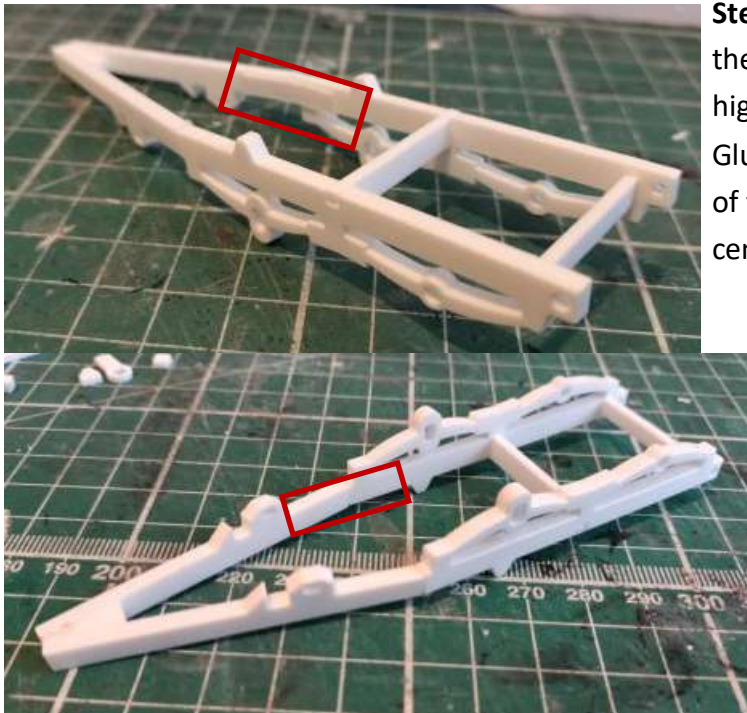
Step 18: With the body complete work can now start on the chassis. Start by gluing parts 17 into the slot in part 16 as shown, the glue part 18 to the back of the chassis as illustrated, glue it in front of where the suspension meets the chassis to clear the hinge when tipping.

Step 19: Build up the front of the chassis by gluing the angle part 26 to the inside front of a part 19, then glue the second part 19 to the other side of part 26 as shown.

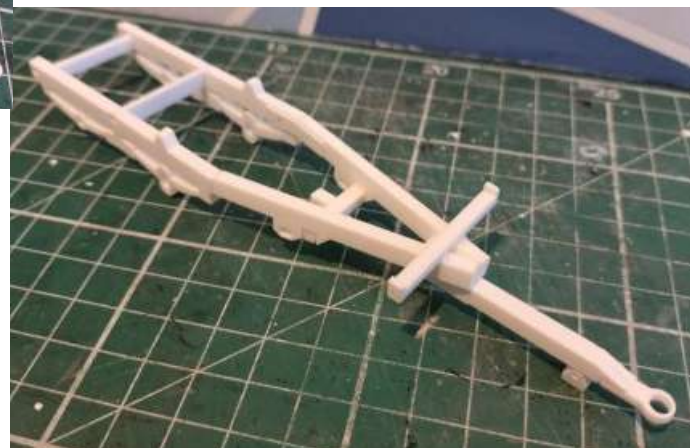


Step 20: Use a straight edge to mark a line across the ends of both part 19. Now sand the ends of 19 up to the point of the mark, this will give a flat face to glue the front and rear of the chassis together.

Step 21: Glue the front of the chassis to the rear. Use the two thin plastic strips to bolster the joint in the highlighted area. Glue the ram member part 20 into the slot in the front of the chassis. Then glue the ram pivot part 24 onto the centre of part 20 as shown.



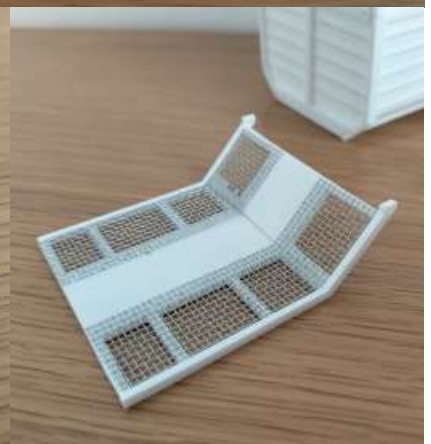
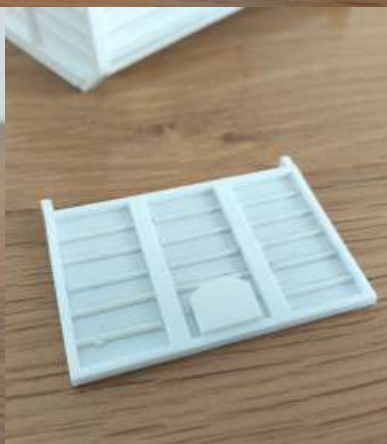
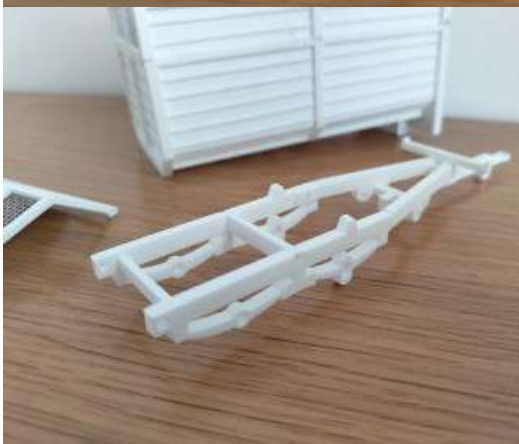
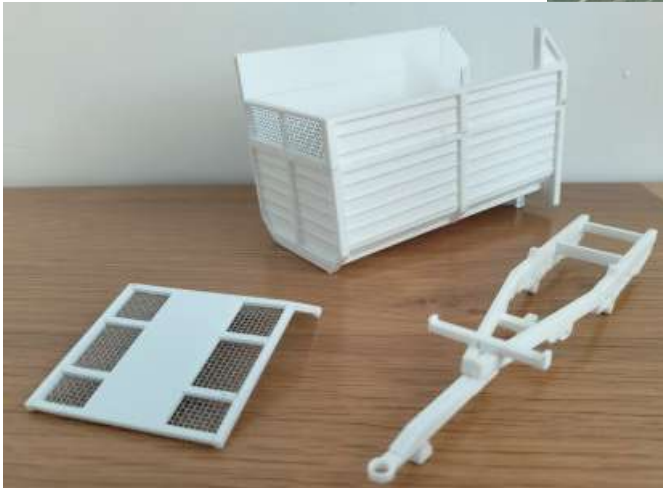
Step 22: Construct the drawbar by gluing part 25's back to back, then fit the tow eye part 27 in the slot and the two shoe parts 28 to the bottom. Glue the assembly onto the chassis as shown. Finish the chassis by adding the body guide part 41 to the front top of the chassis as illustrated.



Step 23: This completes the construction. You may wish to dry assemble the model before painting to check that everything fits. Make any adjustments before painting.



The parts are now ready for painting



Step 23: Painting

To begin with make sure all parts are clean and free of dust or contamination. Then prime all the parts.

We used Halfords Grey Plastic Primer to do this, any plastic automotive primer is suitable.

Online Fraser Green is defined as RAL6448 and can be purchased in a tin online. Our local car paint shop didn't recognise this RAL number and we used 'S2530 BP Retail Green' to paint our model using an aerosol can.

The wheels are brush painted using Tamiya X8 but can also be spray painted.

Leave the paint to cure and properly dry before assembling.

Once the paint is cured decals can be added before assembling. Cut the decals out from the sheet using scissors, peel the backing paper away and stick the decal down in the desired location.



Step 24: Assembly.

To assemble the model start by fitting the rams to the body. Position the narrow end of the rams into the pivot points on the body. Cut a length of the 1mm wire and push it through the pivots and rams, bend at both ends to fix in place.



Cut a length of the 1.6mm wire and bend one end to make an L shape. Align the body and chassis then thread the wire through the rear hinge holes. Then bend the opposite end up to fix in place.

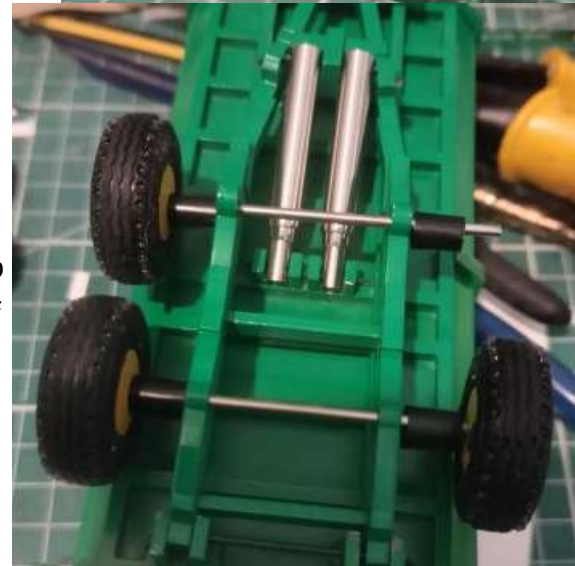
Fit the rams to the chassis using a length of 1.6mm threaded through the holes and bent at both ends.



Mount the door using 1mm wire threaded through the holes and bent over to fix. Same process with the silage door.



Fit the wheels by gluing an axle into one wheel, cut the black straw into a spacer, then thread the axle and spacer through the chassis. Dab glue on the other end of the axle and fix the other wheel in place. Repeat for the other axle.



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This completes the model. Sit back and enjoy your work!

Photos below show the finished item.



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