

1:32 Houghton Parkhouse Platinum Four Deck Livestock Trailer Model Kit

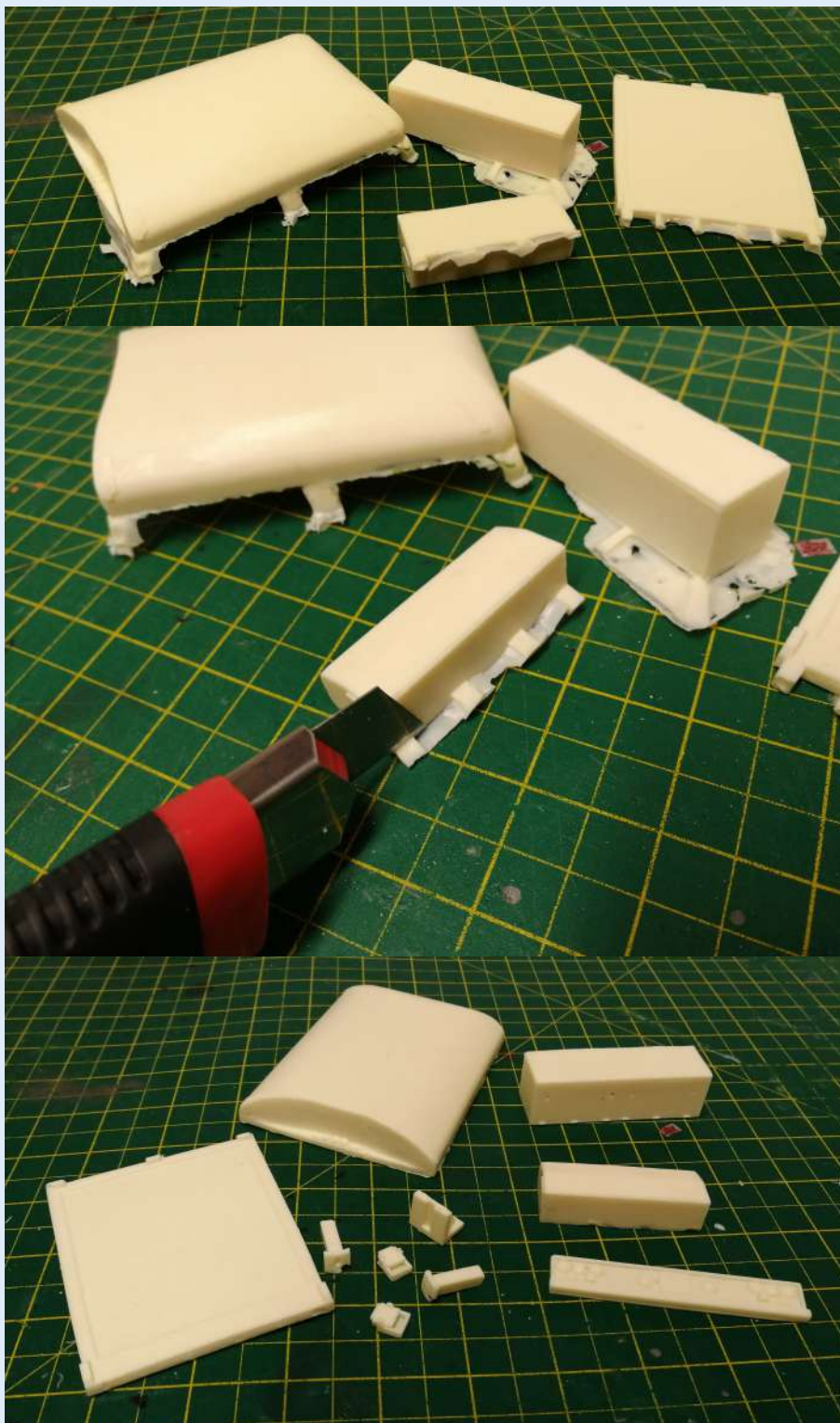
CLEAN ALL RESIN PARTS IN WARM SOAPY WATER

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

This is a rough 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 for acrylic and resin parts (white and cream plastic) and a plastic solvent such as Plastic Weld or Revell Contacta Plastic Glue for ABS parts (black plastic).

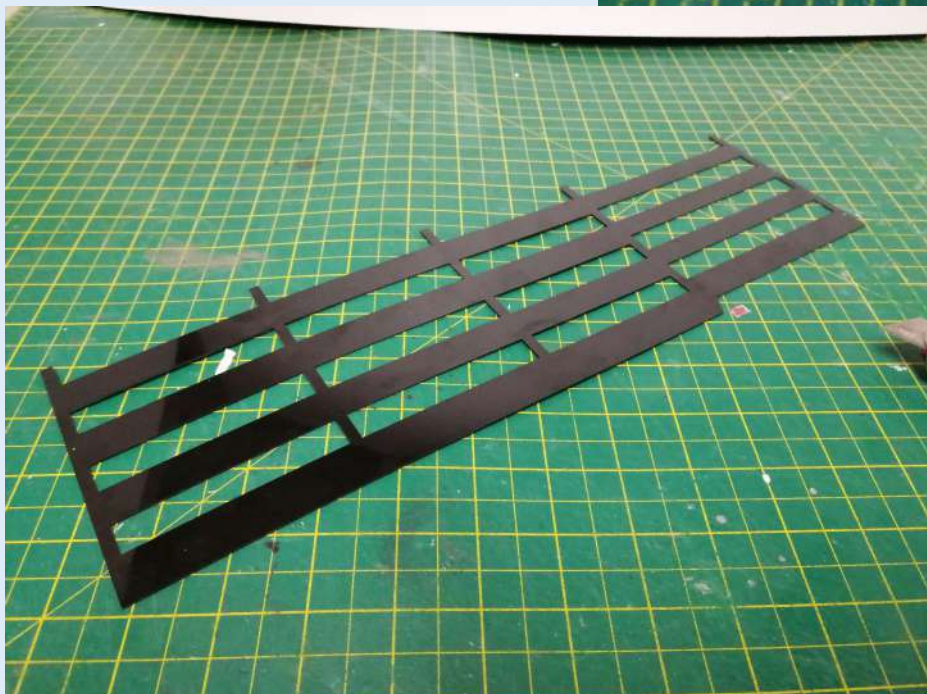
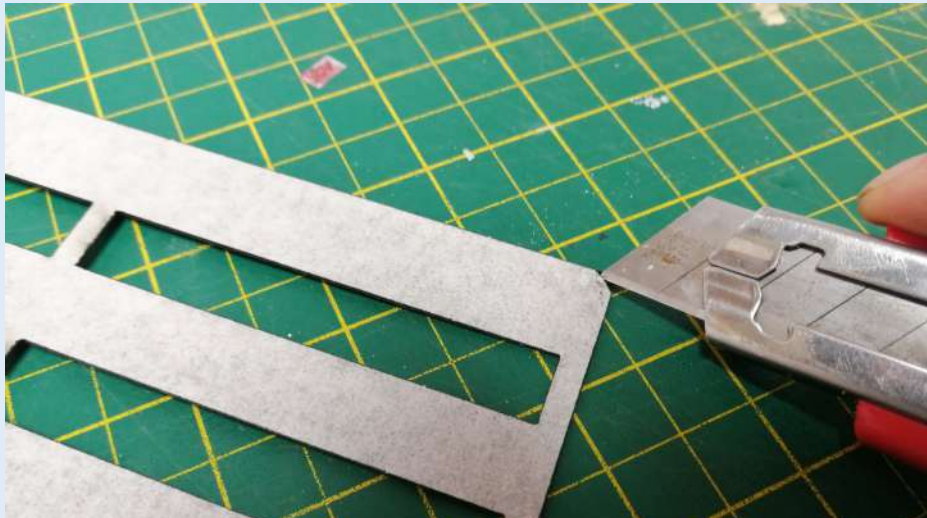
Paint: The instructions will suggest the best point to paint components. A good quality automotive primer or plastic primer followed by automotive acrylic is recommended. Brands such as Hycote or Halfords are likely to be problem free and provide a good finish to your model while being readily available.



Step 1: To start with I recommend cleaning up the resin parts of the kit. This begins by removing the flash and vents left over from the casting process. To do this you can use a strong sharp Stanley knife or a razor saw is a safer option. Sand the surface where the vents where to a smooth finish.

Next wash the resin parts in a solution of warm water a washing up liquid or Ajax scouring powder. Scrub them well to remove the remnants of the silicone release agent used in the casting process. This will prevent any left over silicone reacting with the paint you apply.

Step 2: Remove the backing from any plastic parts. This is kept on to protect the material during laser cutting but needs removal. The black ABS parts have a paper backing on both sides, the white acrylic parts have a blue or white plastic backing, To remove simply turn up an edge, you may find a knife blade useful for this, and pull the material away. Take care not to break or bend the plastic while you do this. Particularly fragile parts like the vents.



Step 3: To help with painting I recommend building all the external parts such as tool lockers and chassis separately to the body. Most trailers are painted in two colours so doing this reduces the amount of painting required.

The crash barrier can be constructed first using parts (15), the U shaped piece 85mmx15mm and 3x (16) *Don't worry about a,b,c derivatives of part (16) they're all the same size.



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Glue the U shaped part to the front of Part 15. Orientate the part by mounting the open end of the U over the top of the engraved number 15.

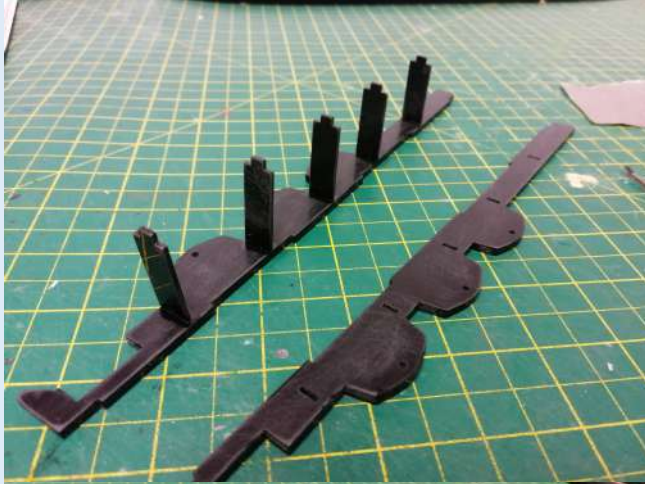


Glue the three 16's to the back of 15, the slots should align providing a good fit.

Step 4: Collect the chassis parts 13a, 13b, 14a, 14b, 5x 18 (do not worry about letters a,b,c,d,e they're all the same part and will fit anywhere).



Glue 13a back to back with 14a. Glue so that the engraved numbers both face in and are hidden in the final design. Repeat by gluing 13b to 14b.



Glue all 5 18's into the slots in one chassis rail.



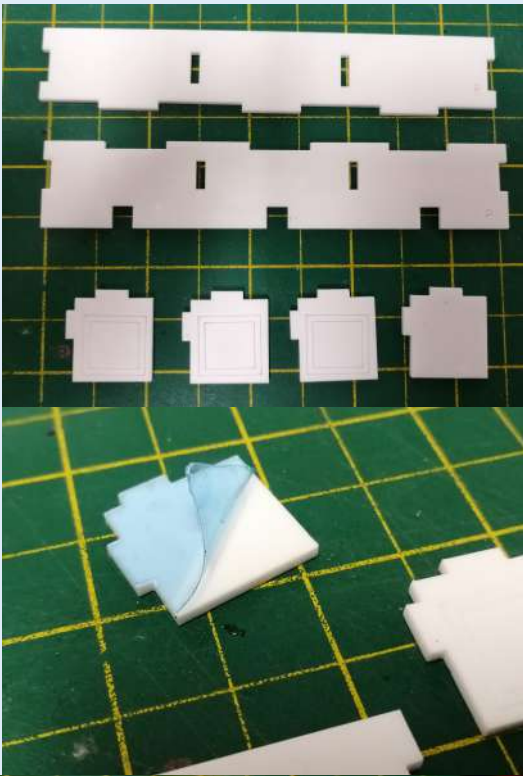
Line up the other side of the 18's with the slots in the second chassis rail and glue in place



Super glue the hatches to either side of the slurry tank on the raised squares. Then super glue the slurry tank to the back of the chassis. It will slot into the gap, the sloped end should point to the rear of the chassis

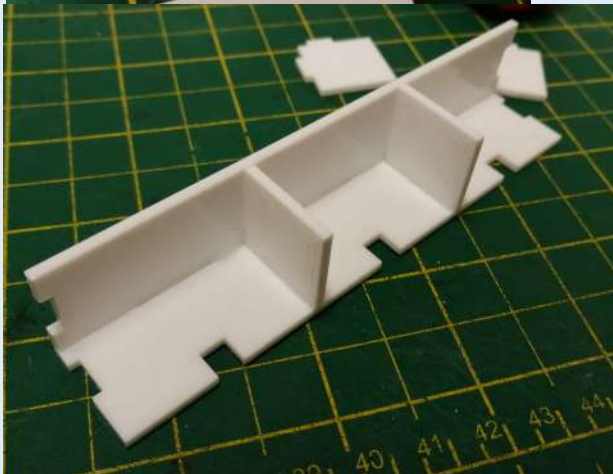


Step 5: Collect the mudguard parts. These are the 3mm White Acrylic Pieces. Take care when fitting them together as they will only fit one way (left hand parts and right hand parts). Test fit dry before applying glue.



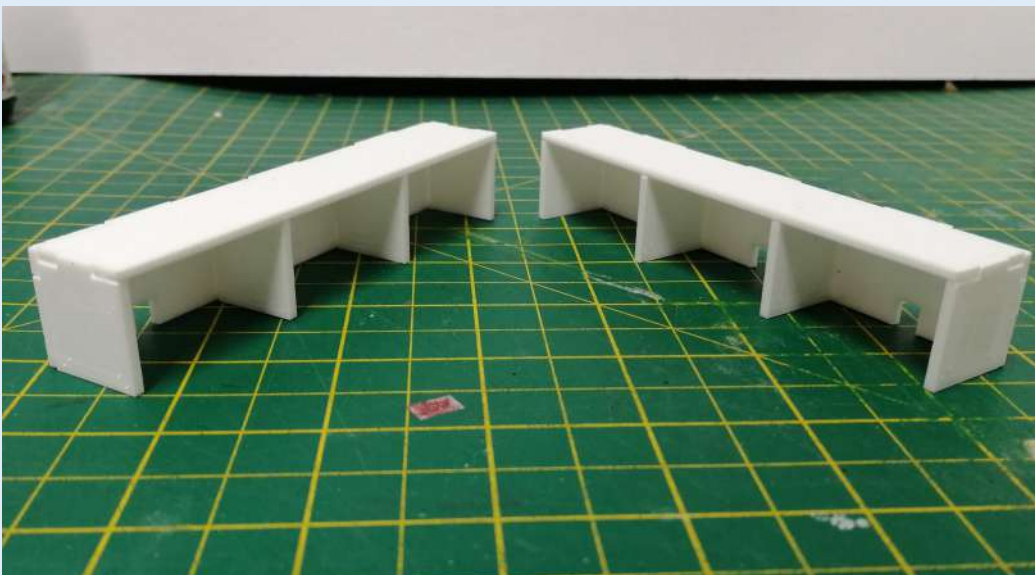
Each long piece is marked L or R. The small squares fit into the slots. For the L side parts the engraved side of the small squares should be on the right when viewed from the front and vice versa for the R side.

Remove any plastic backing film and lightly sand the parts before construction. 200-400 grit sand paper will be adequate.



To construct super glue the top and bottom to the two middle squares simultaneously. You will not be able to fit squares one by one.

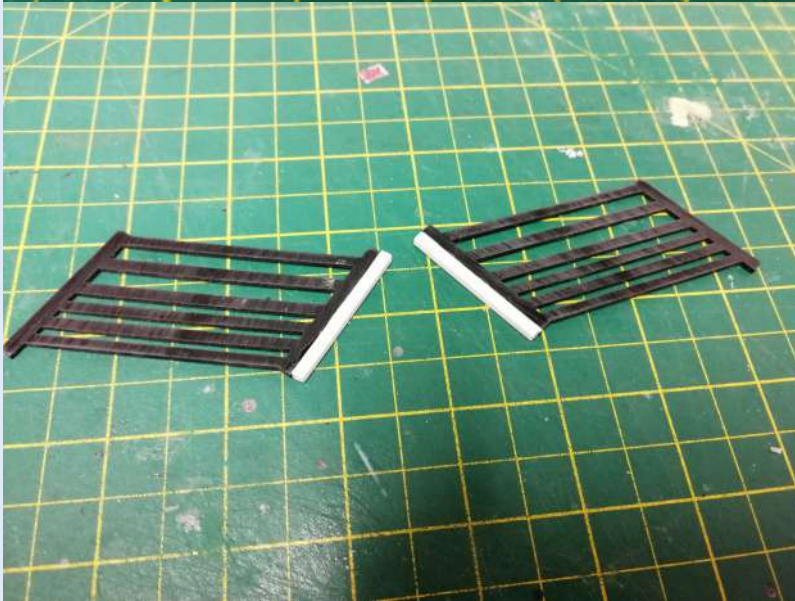
Then add the edge squares to make up the full construction.



Step 6: The last couple of chassis parts that require assembly. Tool locker and run up gates

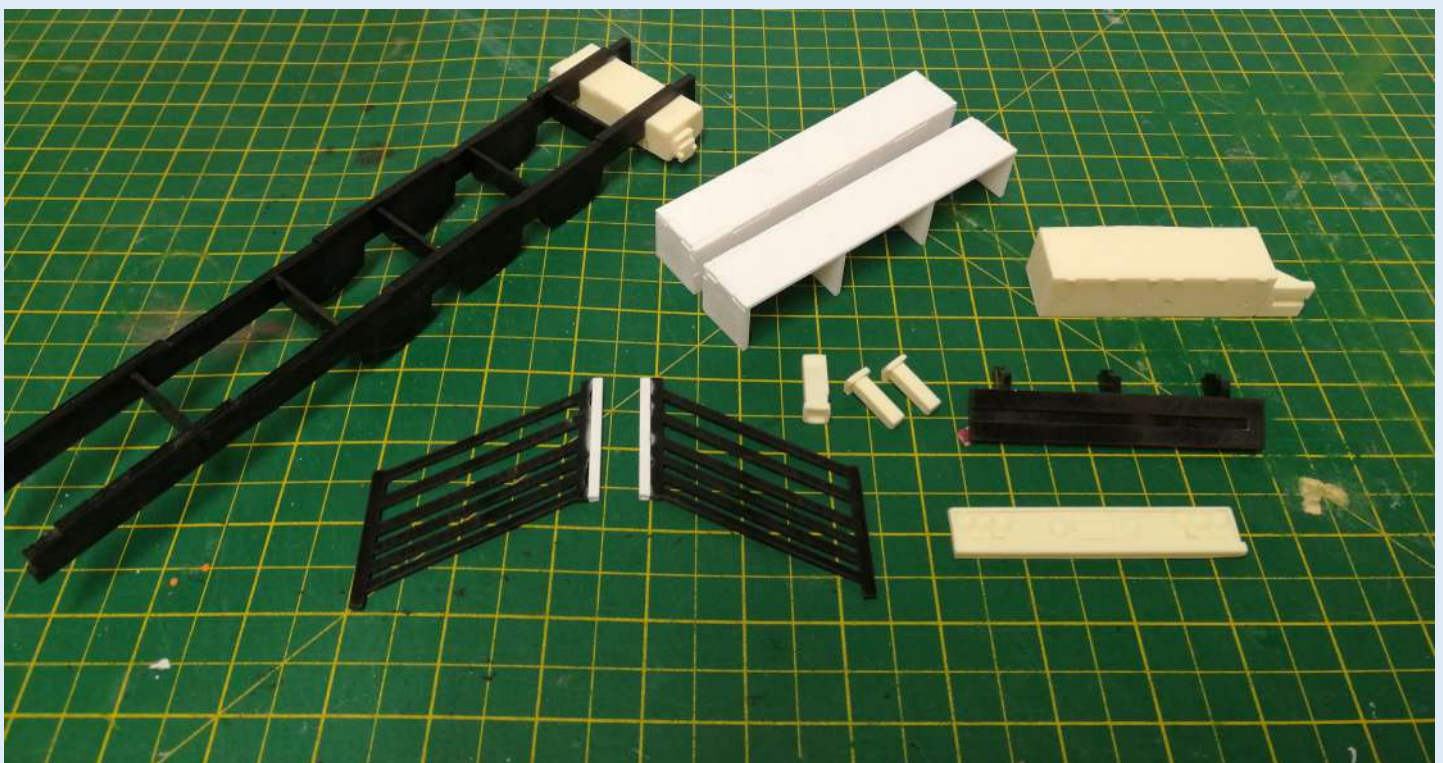


Super glue the small resin side guard to the side of the tool locker. If mounting the tool locker on the left of the trailer mount the side bar to the right of the locker when viewed from the front.



Super glue the Square tubing to the ends of the run up gates. The tops of the gates are where the larger spacings are so make sure the tube is glued at the higher end of each gate.

With the addition of the jack legs and bumper castings this concludes the chassis parts of the kit, these can now be set aside until painting.

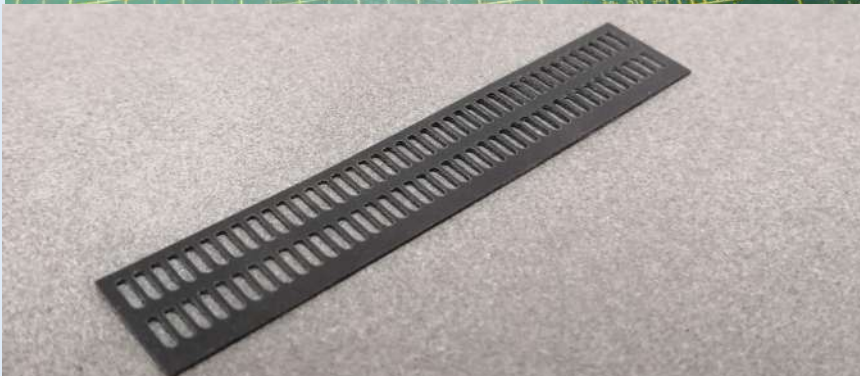


Step 7: You can now move on to building up the body work. Take care as some thin parts are fragile. Check and dry fit parts as you go along to avoid mistakes.



For all black ABS parts I recommend flattening back both sides with some 300/400 grit sand paper. This will remove the slightly raised edges caused by the laser helping the glue adhere better and will also aid paint adhesion later

Start by gluing the large 0.5mm outer pieces to their matching 1.5mm parts 11 and 12. Make sure the engraved detail is on the outside. The two parts should line up on their furthest edges (the edges of the tabs).



Sand back all of the vent parts. There are four vent types. Two short sets and two longer sets. For each set there is a middle and top parts. Middle parts have equal extra material either side. Top parts have a very narrow strip of material on one side and a normal amount the other.



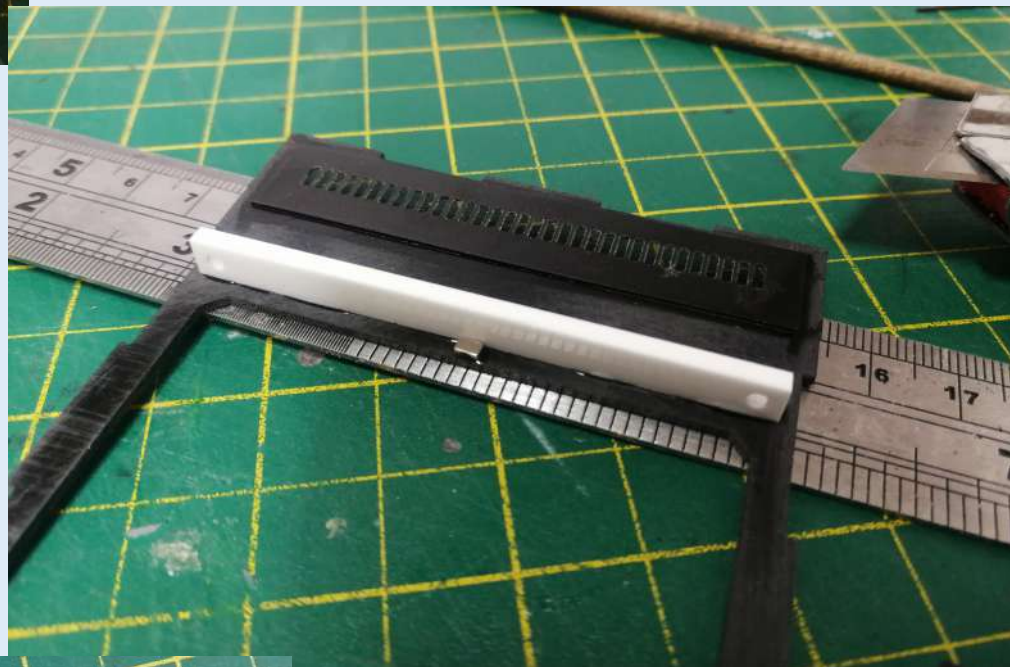
Glue the vents in place where they fit. The top vents run along the top with the narrow part at the top and the wide part glued to the body. In the event that a vent has a gap make sure one edge is glued firmly and the other left loose. This provides a stronger bond than lightly gluing both edges. Repeat for all vents on both trailer sides. Glue generously as these vents will become inaccessible if they fall out later.

Step 8: Next build up the rear of the trailer as shown in the steps below,



Sand down part 5 the rear of the trailer

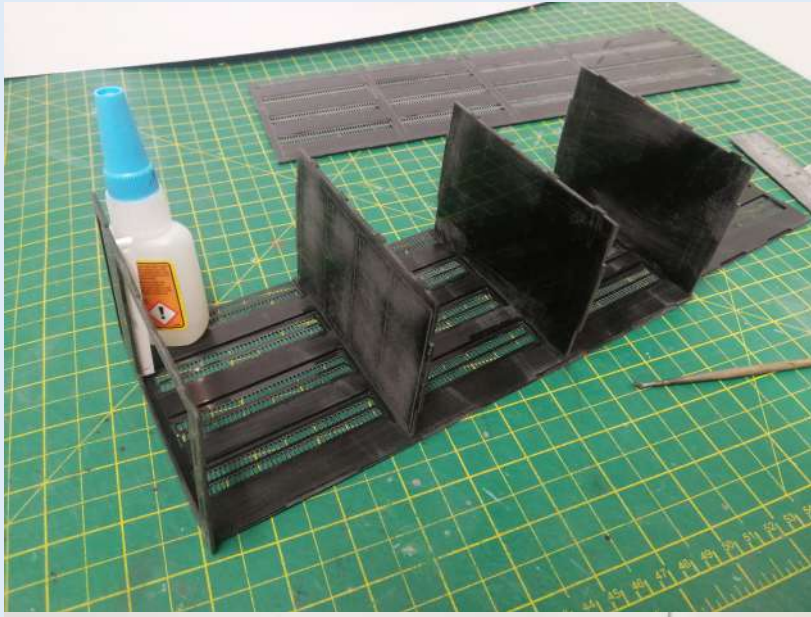
You now need the single line vent piece, the white acrylic strip with 2x 2mm holes in and one of the two magnets. Glue the vent over the narrow gap in the top of 5 taking care not to clash with any of the tabs*. glue the magnet centrally to the top of the large opening in 5 (UNLIKE PHOTOGRPAHED I RECOMMEND GLUING THE MAGNET TO THE OTHER SIDE TO GUARENTEE A CONECTION WITH THE MAGNET IN THE DOOR). Glue the edge of the white acrylic centrally just above the magnet. The holes should run in line with the edges of the opening.



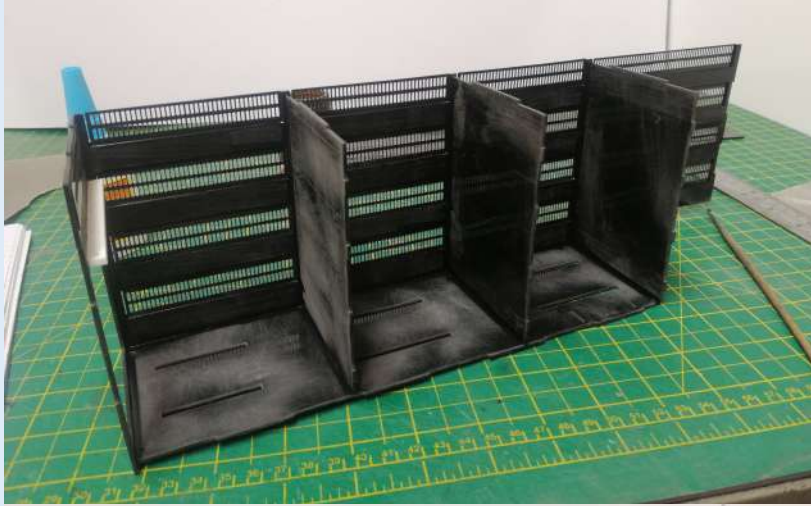
***QUICK TIP**

You may find it easier to remove some material from the single vent to stop it clashing with the tabs while still fitting centrally in the opening.

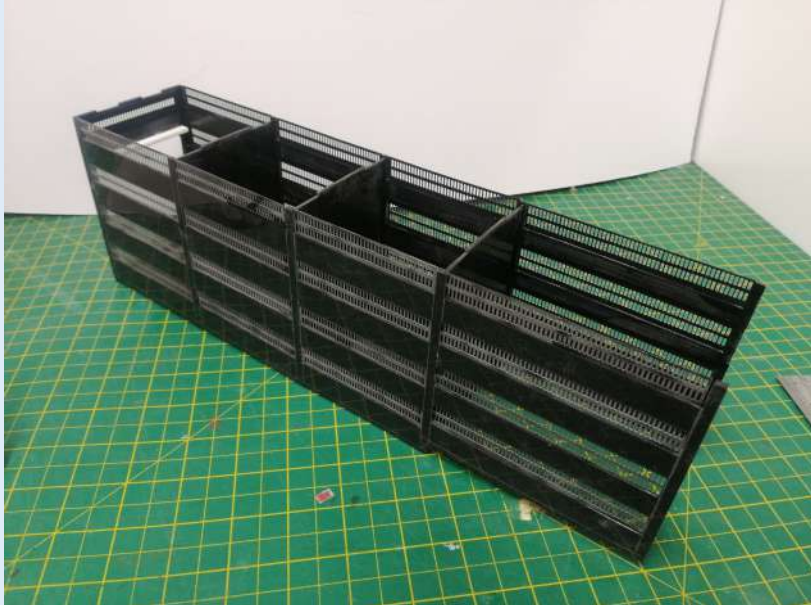
Step 9: The next step is to build up the body work into a box shape using parts 2, 3, 4, 5 and 8.



Glue the central support parts in place lined up with the slots. They will only fit one way so they can't be fitted upside down. The order from the rear is 5 (rear door with parts glued on in last step), 4 (has engraved door detail pointing to rear), 3 and 2 (both blank).



Glue the floor into place lined up with each slot. This can be fitted either way depending on which side you want the tool box. Tool box on the left then the two small slots should be on the left and the three small slots on the right.



Glue the other side piece in place lining up with all the slots. Glue firmly checking that the trailer remains square.

Step 10: The front of the body and the inner roof can now be fitted.



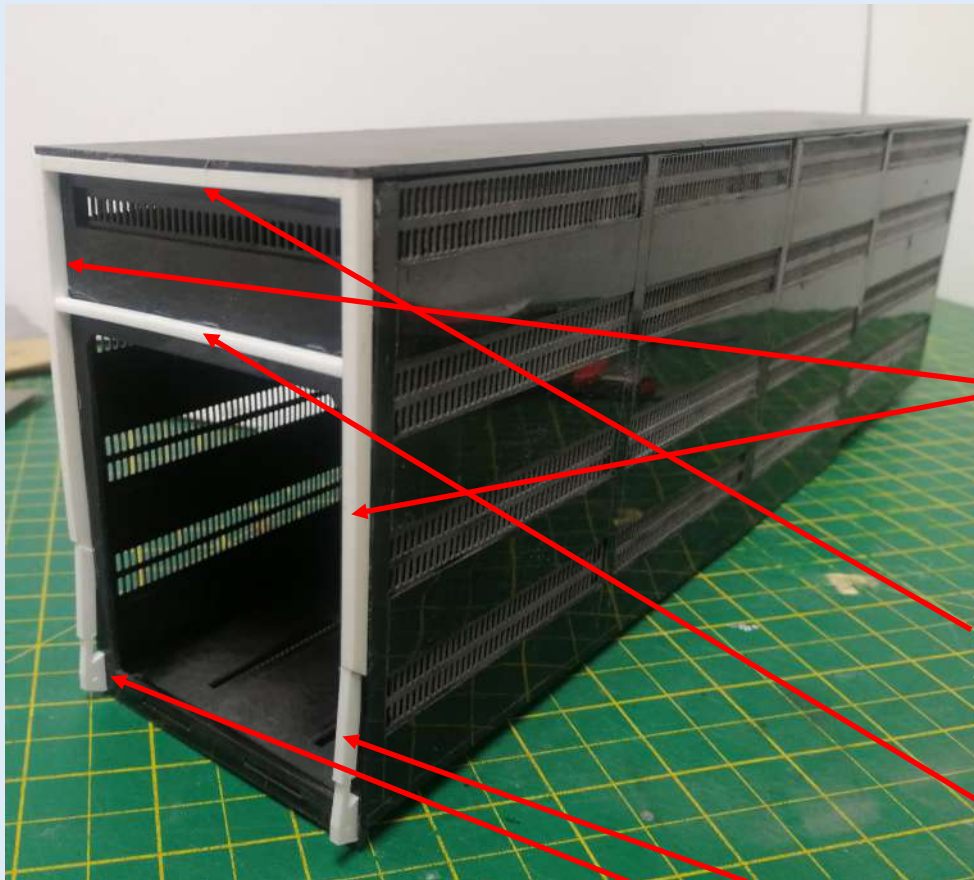
To build up the front of the trailer glue the short floor piece 9 to the step framed section. Then glue the front 1 to the front of the trailer slotting into 9 and the two large side pieces. At this point you need to make sure all the vents are securely fixed in place as you will not be able to access them from this point forward.

The inner roof piece 10 can now be fitted into place. Gently ease it into place so that it fits into all the slots and behind all the top vents. Glue into place. Once in place trim or sand any vent pieces level with the top of the roof so there are no protrusions.

The large blank outer roof piece can now be fitted. The piece should fit flush on both long slides and flush with the front of the trailer. It should over hang the back of the trailer.



Step 11: The rear door details can now be applied to the trailer using the rest of the white acrylic parts.



Start with the two long narrow 3mm parts with slanted ends, glue these to the edges of the back with the flat part at the top and the slant running into the trailer.

Super Glue the other narrow 3mm part to the top between the two parts just fitted where the roof over hangs.

Super Glue the narrow 2mm piece to the back just above the door opening in line with the engraved line.



Super Glue the two complex shaped 2mm parts to the bottom. The hole should be at the bottom and the slant will line up with the 3mm parts.

The two small 6mm squares with 2mm holes are glued to the bottom of the floor above the existing holes. You may need to sand some material away to get a good fit.

Step 12: The last few additions before painting are the kingpin and bulkhead



Super glue the large 2mm kingpin plate to the floor of the step frame section. Glue centrally along the length of the trailer. Glue in a position that best suits mounting to your chosen truck. The 2mm plastic rod can be glued now or glued in the most suitable hole later after painting.



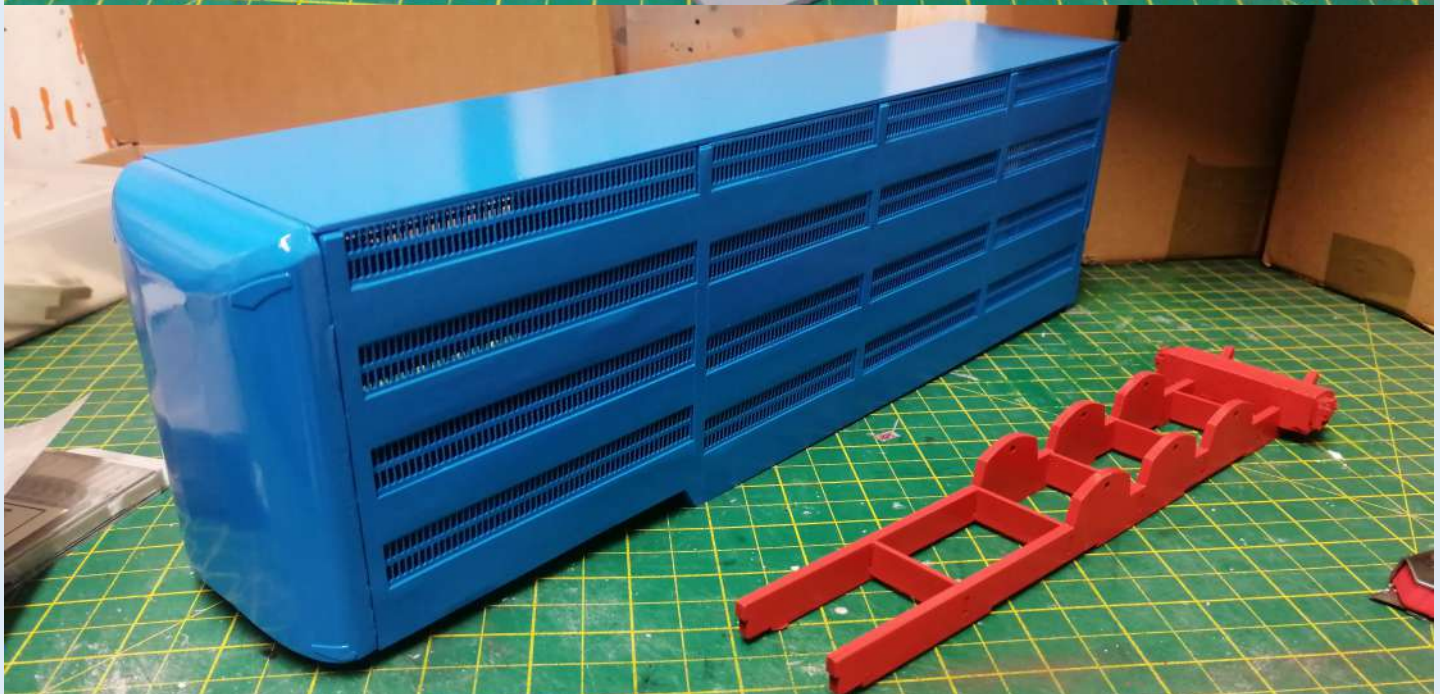
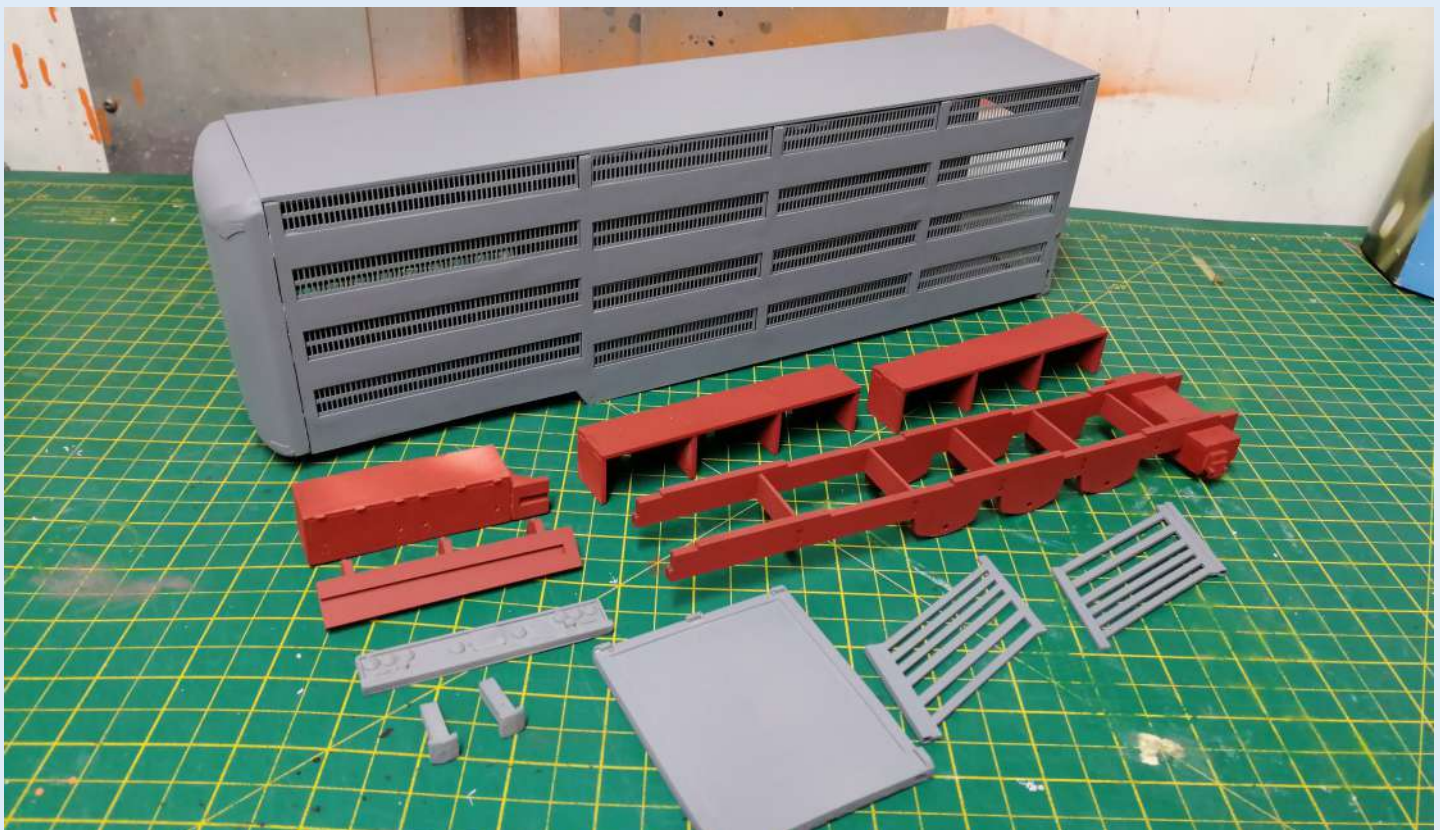
Super glue the large resin bulk head to the front of the trailer (1). Sand the back down smooth to provide the best fit. You may wish to sand down the sharp corners of the top of the trailer to meet the chamfered edge of the bulkhead like on the real vehicle.

Step 13: The parts are now all ready to paint. The best recommendation for painting is to make sure everything is flatted back to provide a good keyway for the paint to adhere, 400 grit or greater is best for this. Use a good quality automotive primer, a specific plastic primer is likely to adhere better than standard primer, though either can work.

Follow this up with a good quality modelling or automotive paint, checking it is suitable for use with the primer you have used. Apply any decals and then finish with a clear coat/varnish .

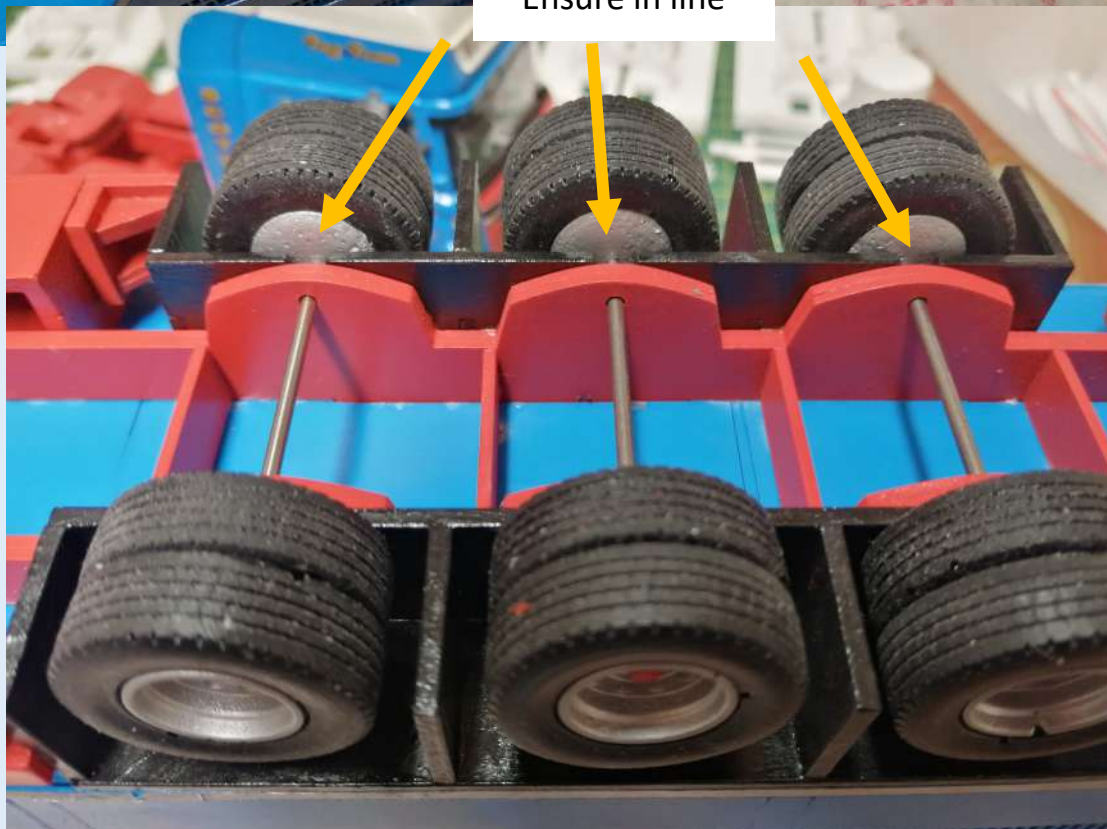
Painting should be done the way you see fit as each colour scheme will differ. However as a tip to help paint the interior at the rear I would spray paint it with an aluminium colour, let it set, then mask the inside of the vents and the door way. Then apply your exterior paint.

Glue



Step 14: Allow plenty of time for the paint to set before final assembly. I'd recommend applying any decals and a clear coat over them before commencing final assembly. While the kit doesn't include decals they are easy to make at home, a quick search on YouTube for 'how to make water slide decals model cars' will give plenty of videos showing the process.

Final assembly involves gluing the chassis to the body, it should fit in the slots running down the centre of the floor, some sanding may be required to remove excess paint and allow fitment. The crash bar also slots into place. The mudguards should be firmly glued with the small indents lining up with the holes in the chassis for the axle. The tool box glues in front of the mudguards and the two jack legs glue to the front of the chassis as pictured. The wheels require painting and should then slot straight onto the 2mm steel bar axles, they can be glued for extra strength in staying fixed to the axle.



Step 15: Assembly continues with the rear door. First the gates are fitted in place, slot one of the 2mm plastic rods into the bottom hole just under the door, then thread a gate onto it, before slotting the rod into the hole just above the door. Glue the rod in place and repeat with the other side. Next glue the door in place by offering it up to the hinge and slotting two bits of 1mm rod into either hole, the holes may require some cleaning out of paint debris. Once set trim the rods flush with the hinge.



Step 16: With that your model is complete bar any final details you may wish to add such as mudguards, picking out details such as the front lights and any additional extras. This instruction manual is of course just a guide and there are many ways to construct the model. The model is designed so that modifications such as internal floors or even working lifting decks can be added without too much complication. Now sit back and enjoy the model you have created!

