

BRAEMERE MODELS

GREAT BRITISH MODEL KITS



**1:32 Bailey TB16
Model Kit**

1:32 KTwo Rodeo

Compact and Push Trailer

CLEAN ALL RESIN PARTS IN WARM SOAPY WATER

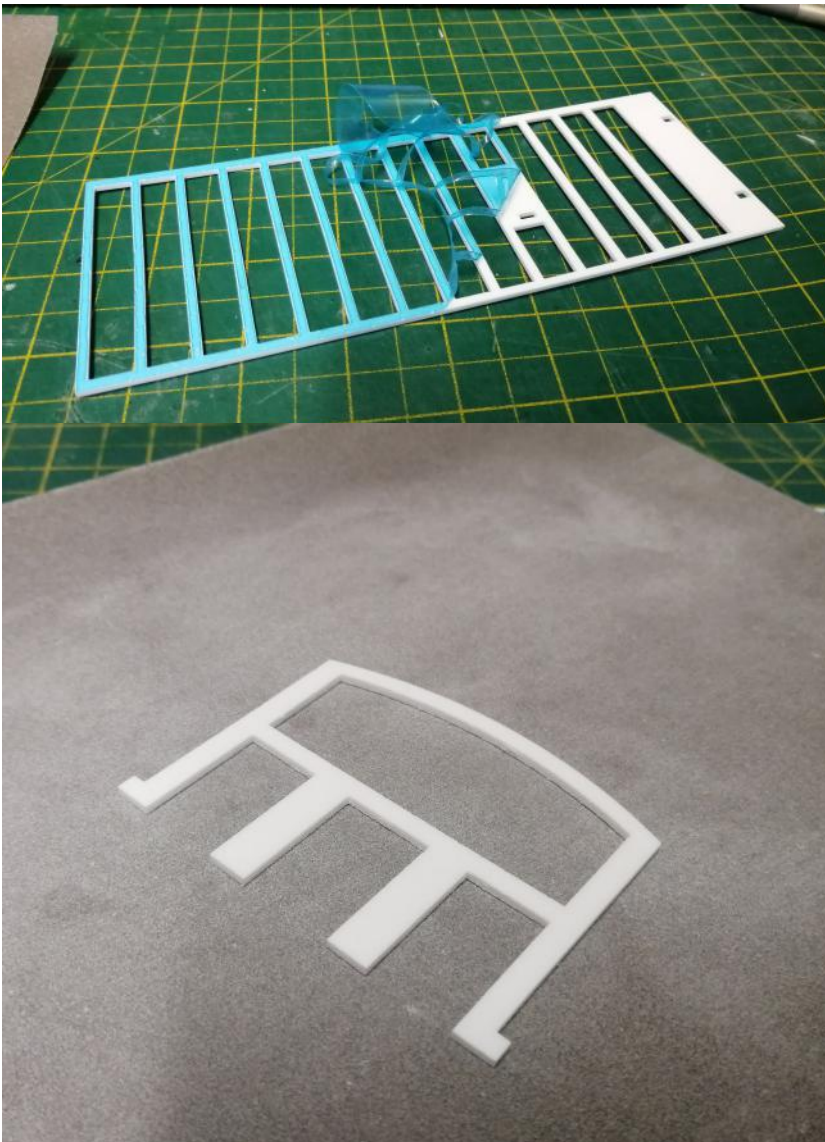
The silicone release agent used in the casting process will react with paint, it must be thoroughly cleaned off before painting.

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.

For beginners UHU adhesive will give more time to adjust parts while assembling.

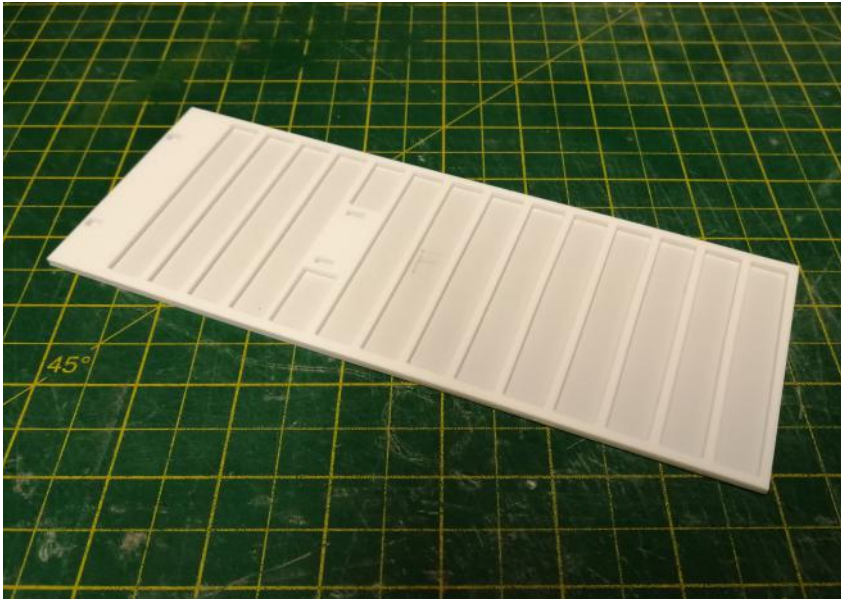
Paint: The instructions will suggest the best point to paint components. A good quality automotive primer or plastic primer followed by automotive acrylic is recommended. Brands such as Hycote or Halfords are likely to be problem free and provide a good finish to your model while being readily available.



Step 1: To start with I recommend cleaning 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. Most should already be removed.

Then remove the plastic backing from all acrylic parts and 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. The same applies to any resin parts.



Step 2: Once all parts are sanded the build up can start by mounting parts onto the plasticard sheets. The floor mounts to sheet F. Apply glue to the back of the acrylic then stick it onto the plasticard. Then trim the plasticard to the edge of the acrylic using a craft knife or scissors. Glue the floor chassis centrally to the floor as pictured (pictured later in the process because I forgot it earlier, sorry!)

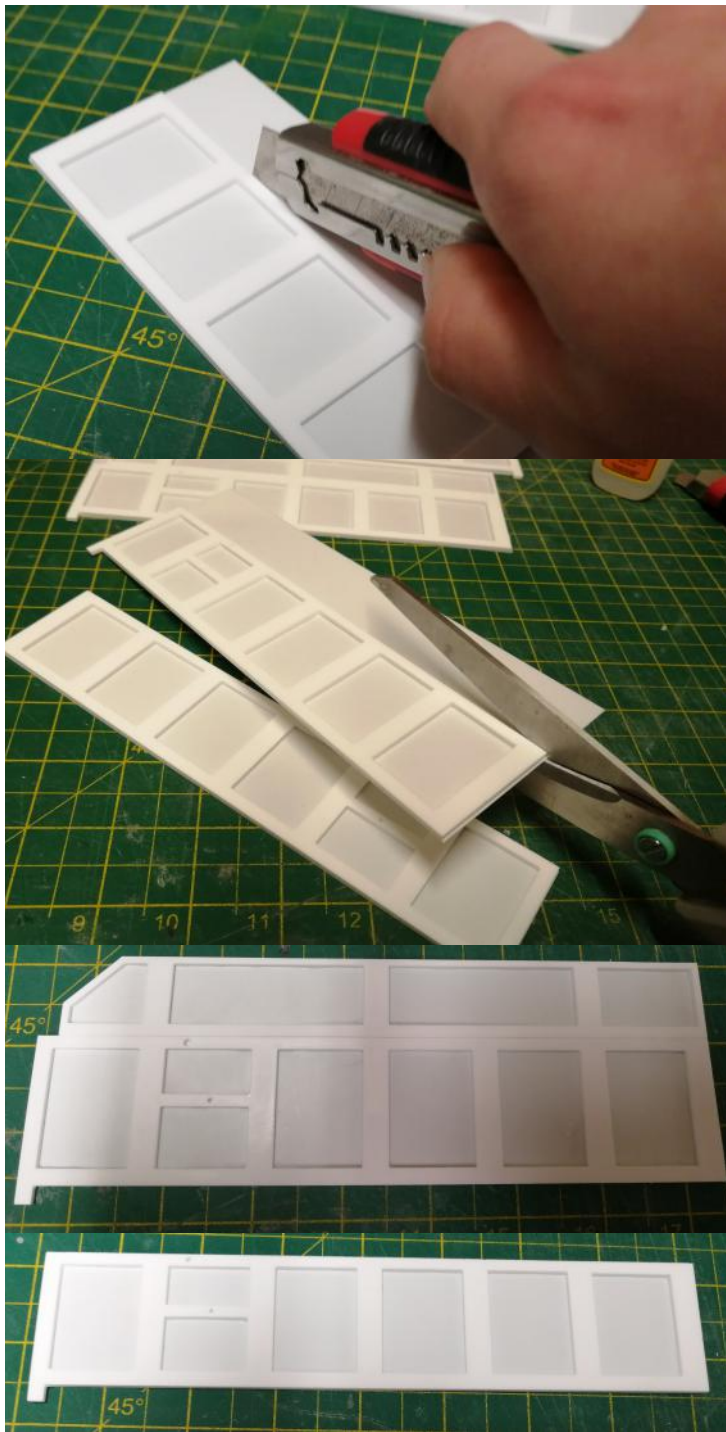


Step 3: Next repeat the process with the sides. Glue the main side sheets to sheet S, aligning the bottom of the side with the edge of the sheet as pictured (bottom is where the leg sticks out).

Step 4: The decision between Grain and Silage trailer has to be made now. If you want to build as a grain trailer skip to step 5. For a silage trailer glue the silage extension to sheet S and the main side as pictured. Trim any excess, particularly around the dropped end of the silage side with a craft knife or scissors.



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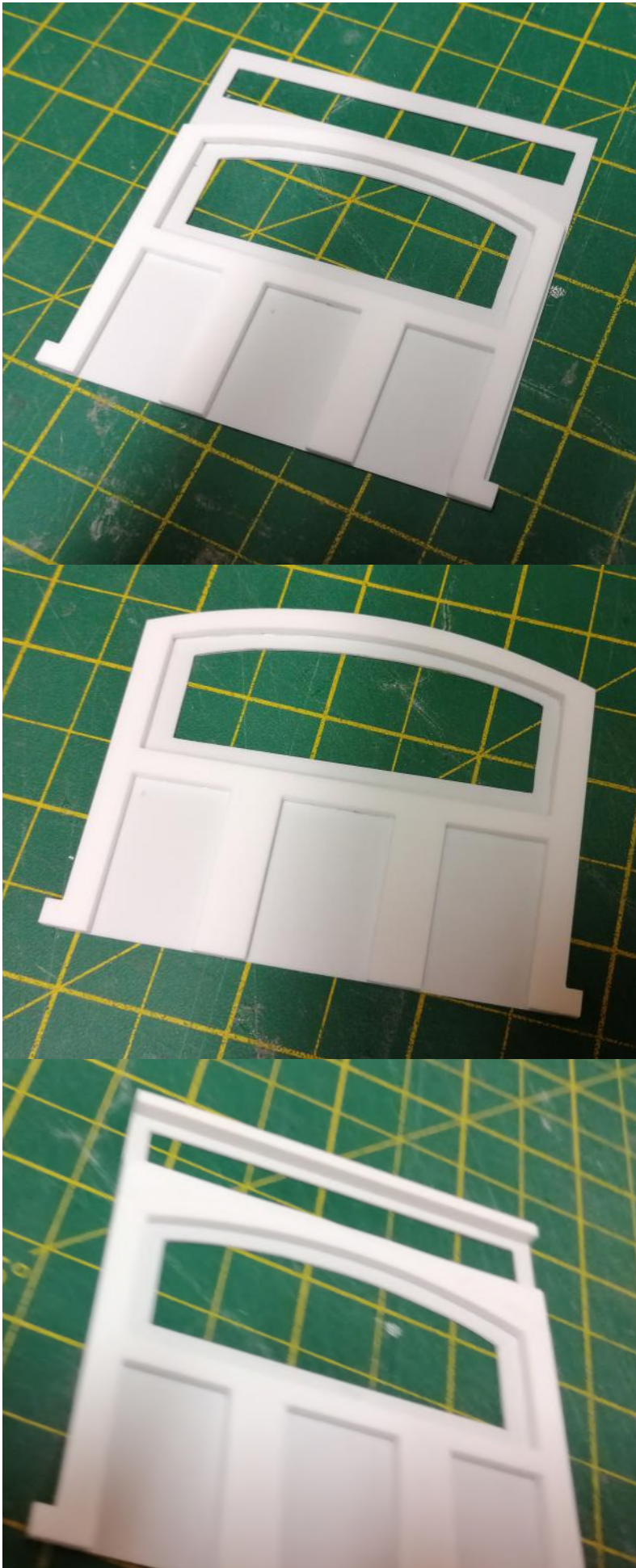


Step 5: If building the Grain trailer trim the remainder of Sheet S off with a craft knife or scissors as pictured.

Step 6: At this point the holes for the door pivot can be opened up in the plasticard sheet. To do this either use a small drill bit and the hole in the acrylic as a guide or simply pierce the plasticard with a craft knife or sewing needle.

Silage Sides

Grain Sides

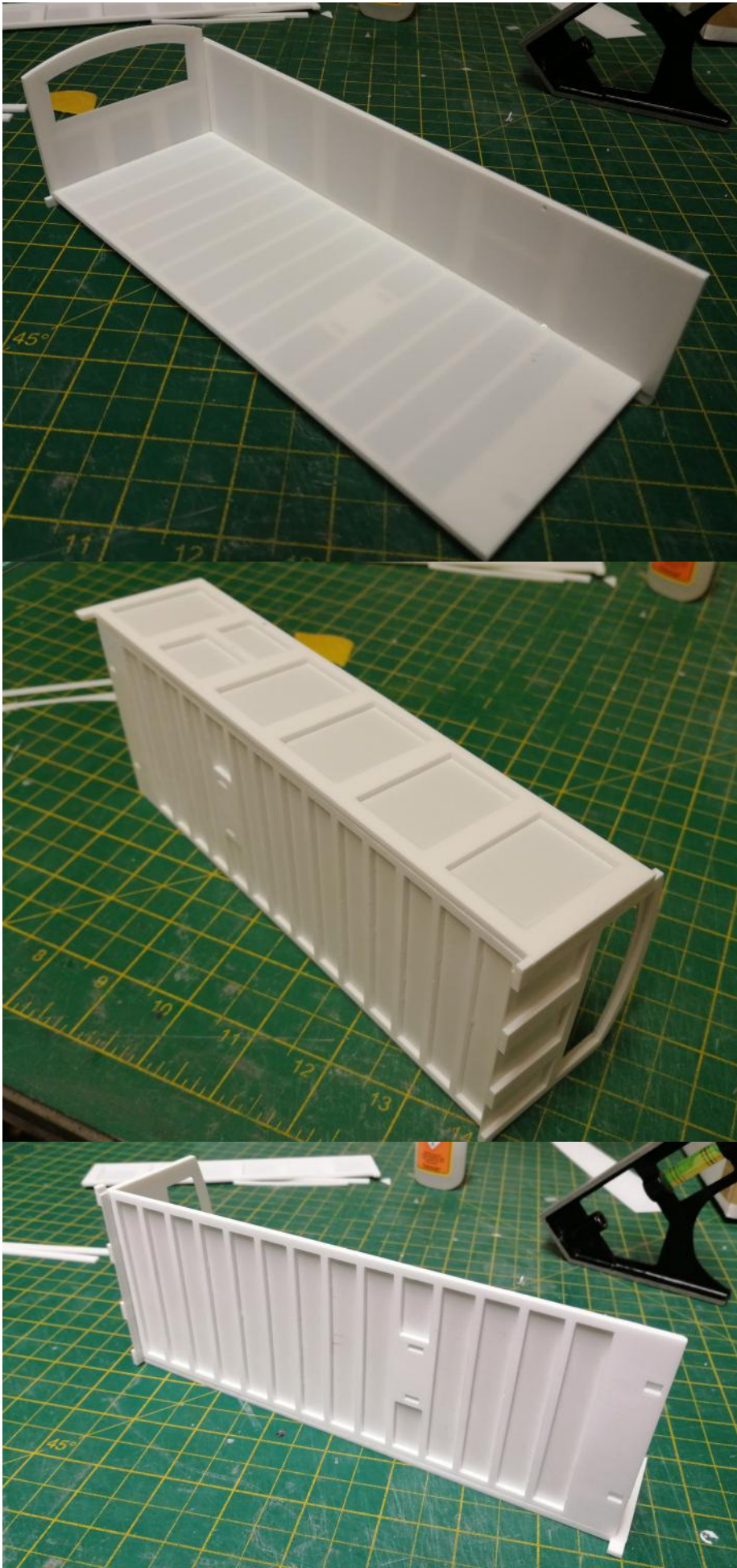


Step 7: Glue the front sheet to plasticard sheet A as pictured, align the sheet with the arch opening central, anything else can be trimmed to fit.

If building a grain trailer trim the sheet around the top of the arch, then trim the sheet flush on the sides.

If building a silage trailer glue the thin part to square up the arch, then glue part 13 to the top of the sheet above the rectangular cut out as pictured.

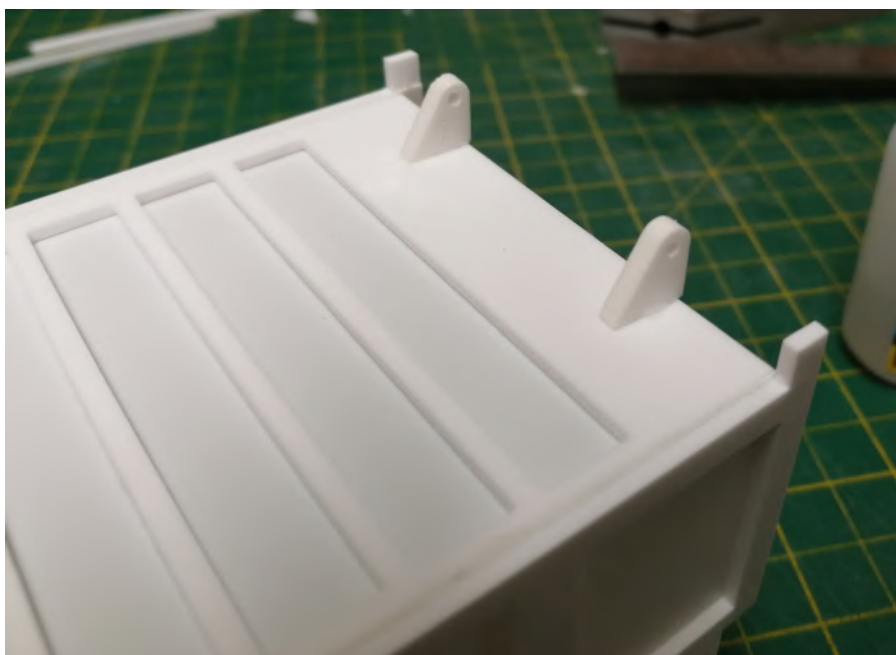
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Step 7 Grain: Start by bringing the floor, front and one side together. The edge of the front glues to the side of the side, locking in with the notch at the bottom of the front. The edges of the floor then attach to the flat sides of the front and side gluing flush with the bottom of the side and square across the front (you may wish to draw a line with a set square across the front to keep it in line or use the notch on the other side as a marker).

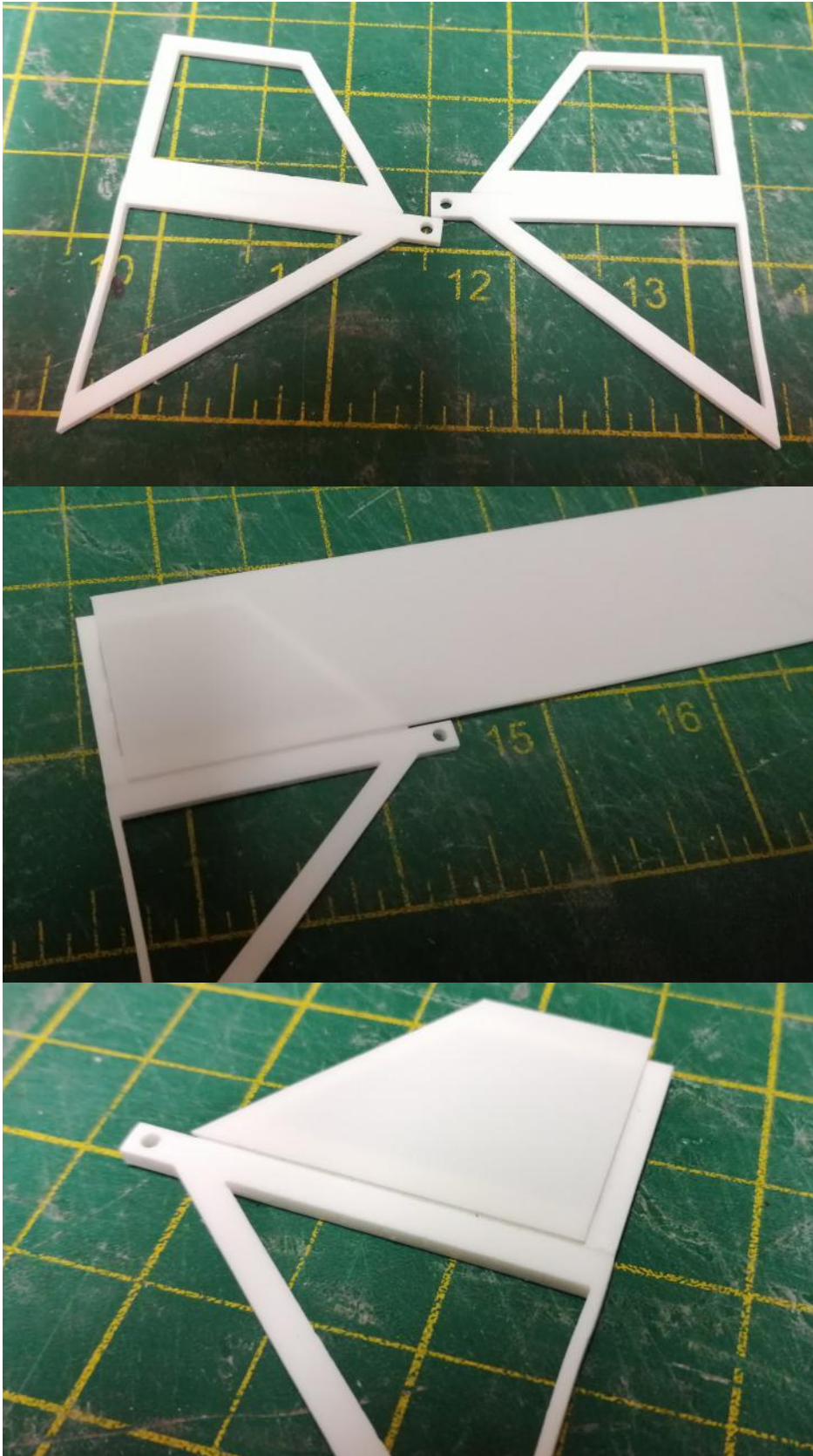


Step 8: Repeat the process to glue the second side on, again ensuring that everything is square and true. Also glue the rear member no.20 into place in the back, lining up with the bottom of the leg and the top of the floor.



Step 9: The pivot points for the body and rams can now be added. Glue hinges no.6 into the back two slots as pictured. The glue the two ram pivots no.7 into the middle slots as pictured.

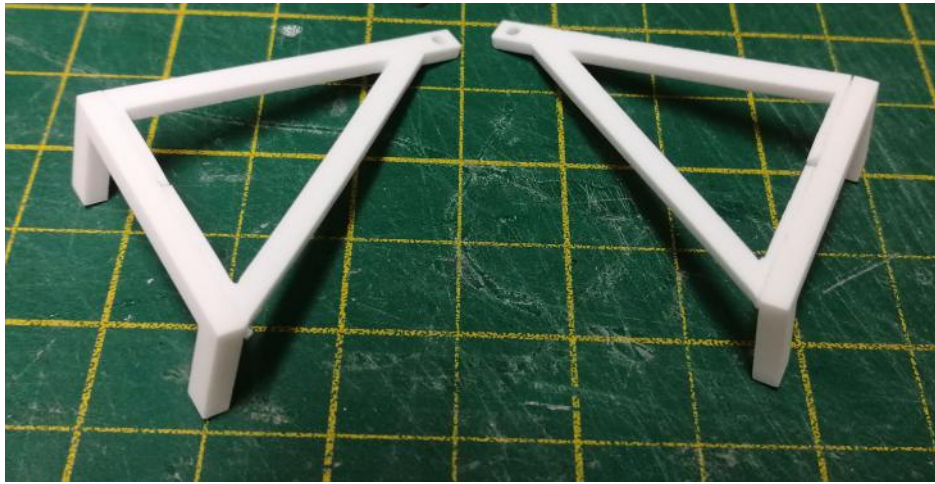




Step 11: The tail gate can now be constructed.

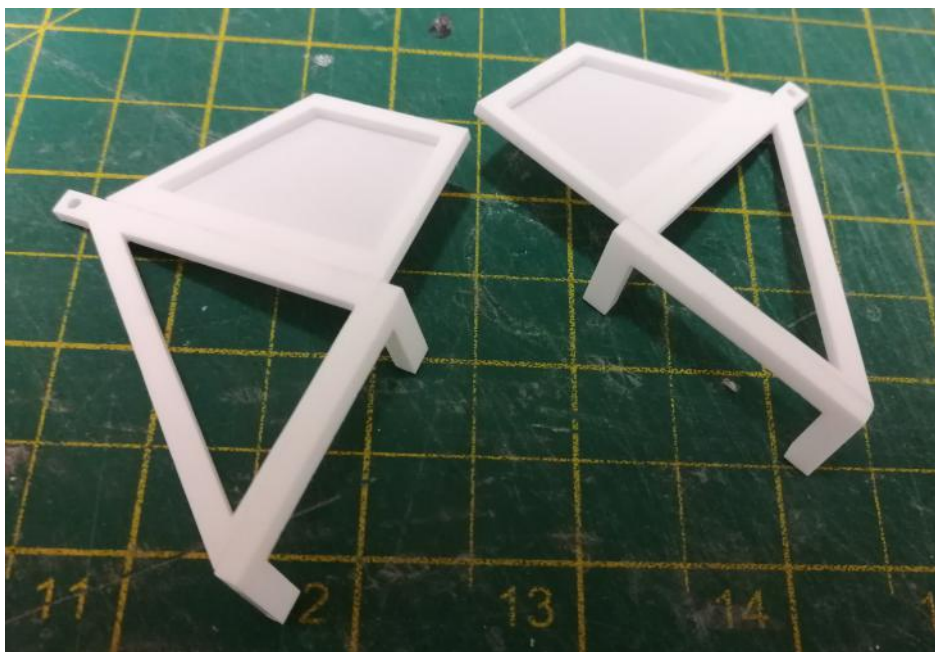
If building the silage side you will have to construct the extensions. To do this start by gluing the extensions to the main tail gate arms as in the first photo.

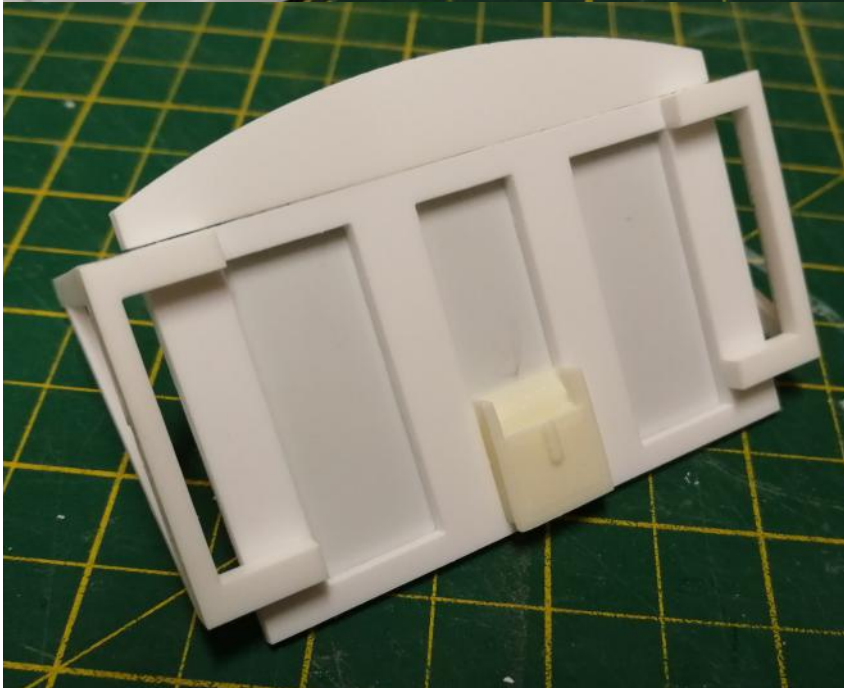
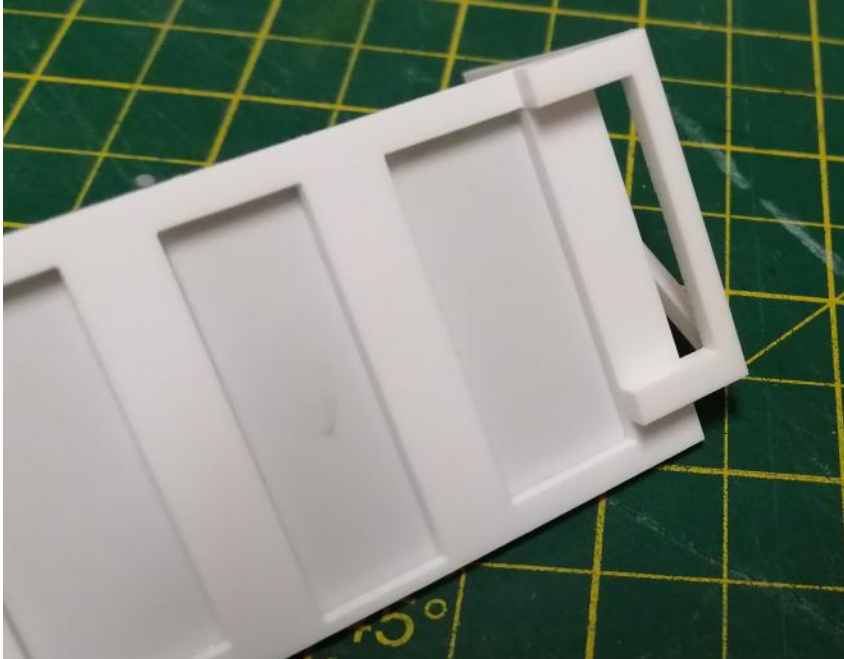
Then glue the strip Sheet B to the extension as photographed. Butt the edge of the sheet up to the edge of the back but not onto the back pillar. Then trim the edges around to finish off the side. Repeat the process for the other tailgate arm ensuring that you glue the sheet to the other side to make a mirrored part.



Step 12: Attach the 'C' parts to the ends of the tailgate arms. These glue flush with the edges to make a right angle joint. Ensure that you make them opposite sides!

For the silage sides the process is exactly the same, line the 'C's up with the main arm parts.

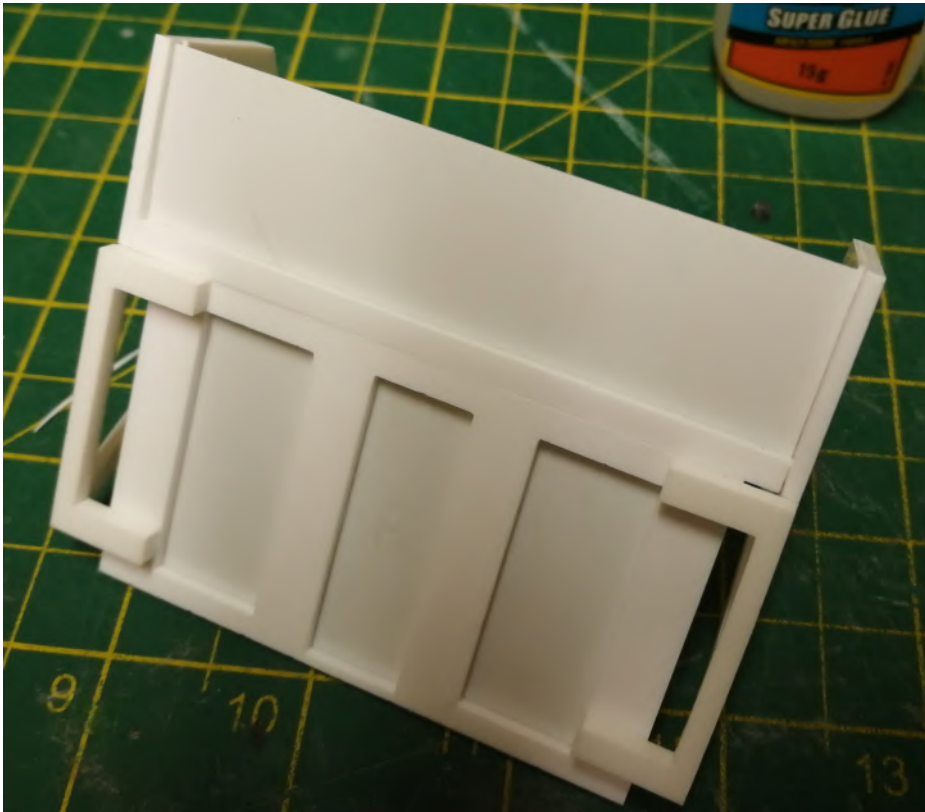




Step 13: Whether building the grain or silage trailer the next step starts the same. Glue the tail main tailgate part to Sheet T and trim the edges.

Then glue the tailgate arm 'C's to the tail gate whether building silage or grain. The 'C's mount to the top of the tail gate and line up with the edge of the first rectangular cut out as pictured. To differentiate between the top and the bottom of the tail gate not that the bottom is where the middle rectangle is cut much closer to the edge, while the top is where all three cut outs are in line with each other.

If building the grain trailer glue the 3mm arch to the top of the tailgate as pictured and the resin grain cutter to the bottom of the middle cut out. This completes the grain trailer tailgate and you can skip to step 15. For the silage trailer see step 14.



Step 14: For the silage trailer glue no.16 to the top edge of the main tailgate in-between the two extensions. Then glue cut another part of sheet B to fit the remaining gap to create the rear extension.

To finish the tailgate glue no. 15 to the top of the extension and the resin grain chute to the bottom of the middle cut out in the tailgate. Make sure the resin part has been thoroughly cleaned in washing up liquid before painting to avoid any reactions with the paint.

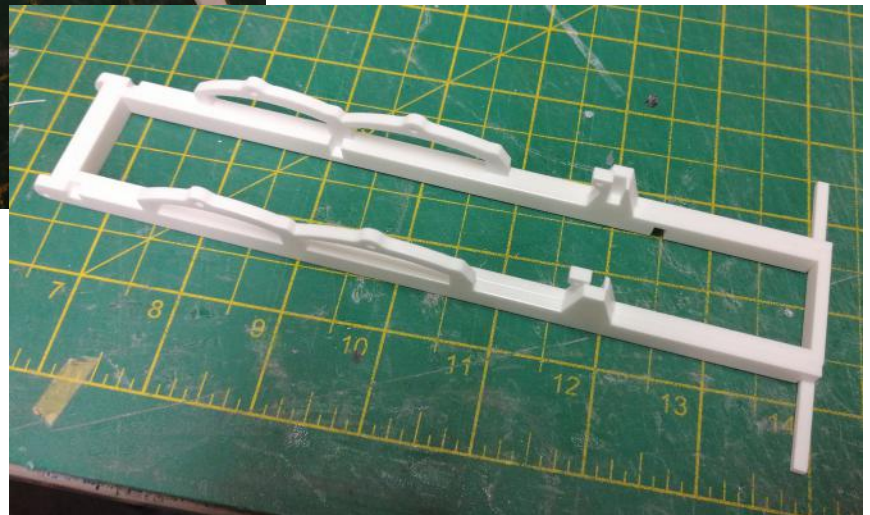
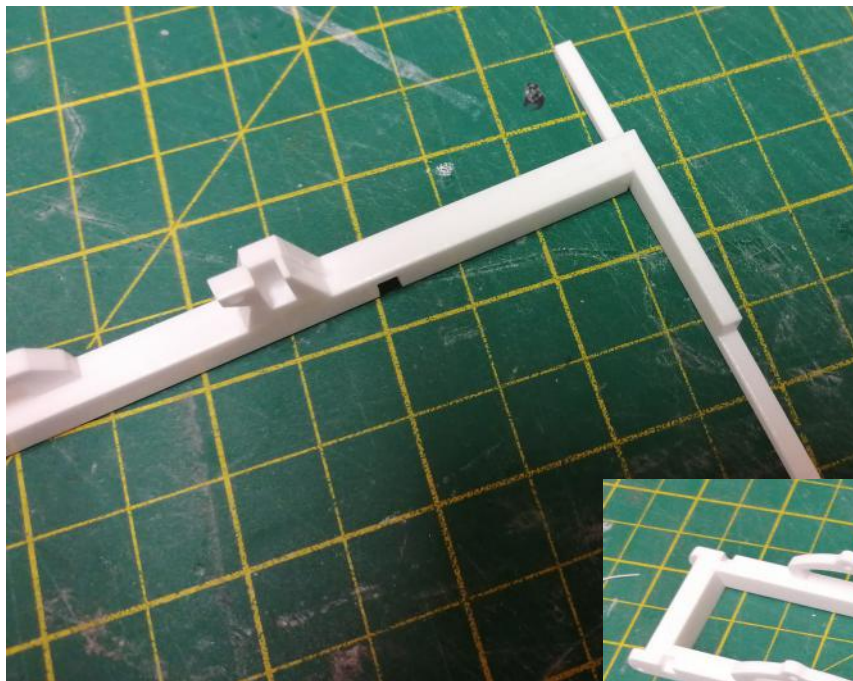
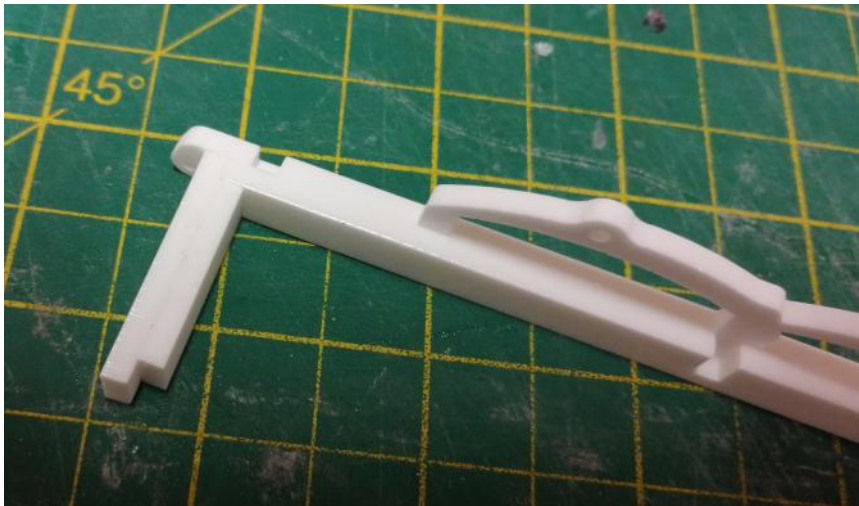
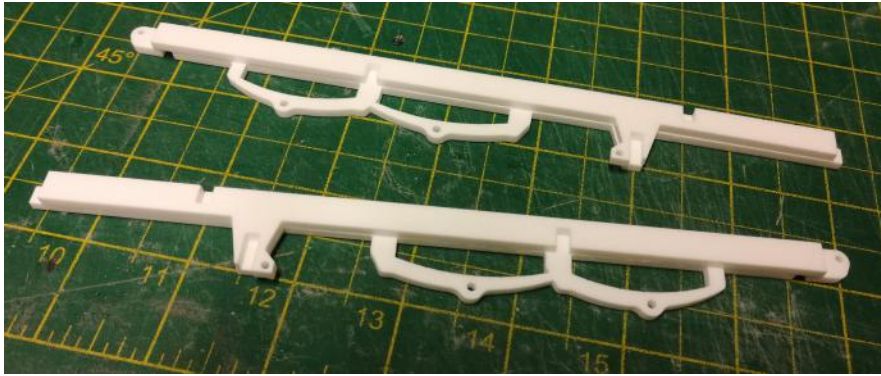


Step 14B: This step is for those feeling adventurous and isn't required to produce the finished model. I have provided the raw material necessary to build rear tail gate rams for added detail. I have included some photos to demonstrate how the rams can be done. The telescopic aerial requires cutting down to size. A guide on how to do this can be found at <http://modelfarming132.blogspot.com/2018/08/132-telescopic-rams-how-to-guide.html>

For the Bailey you would only have to cut down two bits of aerial. Some pivot points would also require fabricating.



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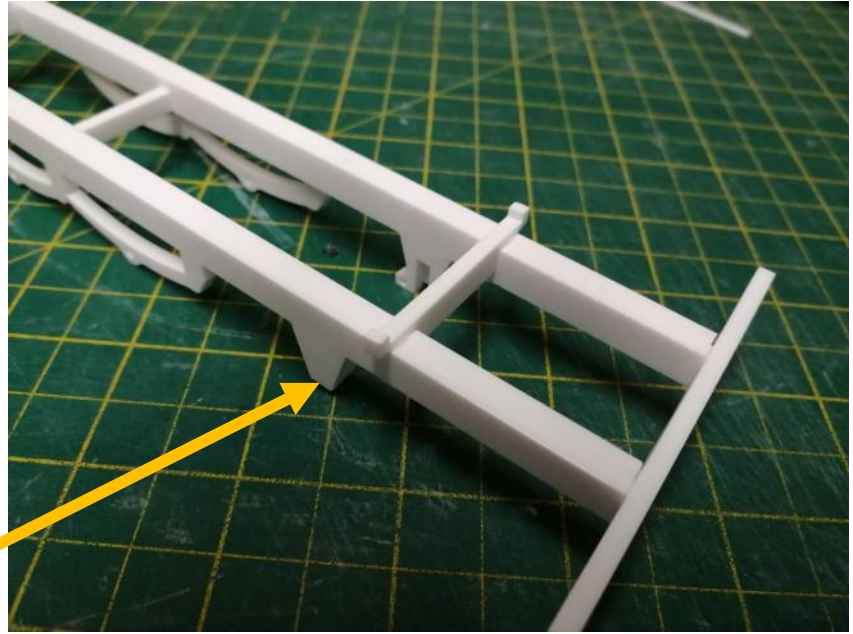


Step 15: To build up the chassis start by gluing the two sets of chassis rail back to back. Part ... glues to part... Make sure that the two rails are glued together on opposite sides to create handed rails. Glue part 37 to the back end of one chassis rail ensuring it sits flush with the top of the chassis rail and perpendicular/square. To strengthen the joint glue no.38 in the same way backing up to no.37 as pictured.

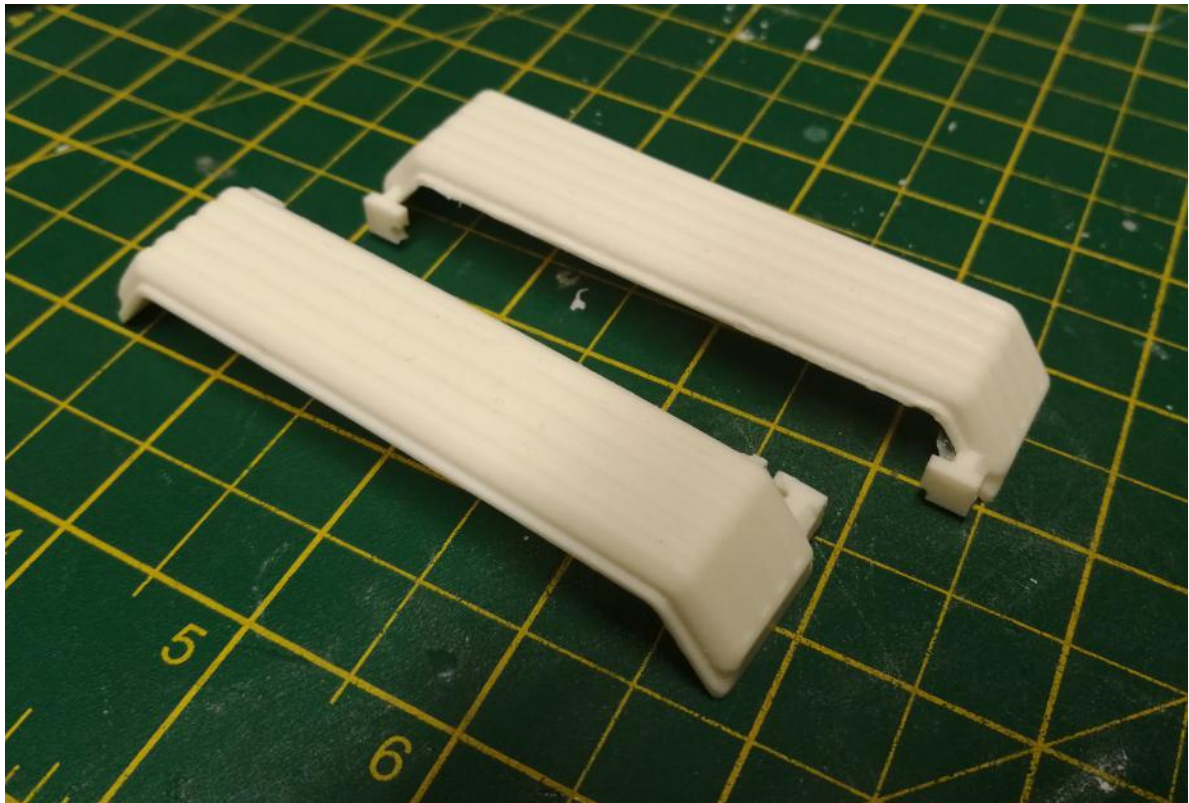
Repeat the process at the front of the chassis rail with the front member/mudguard bracket as pictured interlinking with the notched front, the mudguard bracket should sit flush with the top of the chassis rail.

Then bring the second chassis rail into place and glue to form a rectangle ensuing everything is square and flush to the top.

Step 16: With the basic chassis formed the rest of the cross members can be added. No.9 glues into the front most slot with the small prongs sticking upwards, these will receive and hold the body. No.8 Sits in the slot around the ram mounts followed by no.10 In the slot between the suspension. This completes the assembly work and parts can now be painted.



Add second part 8 here!

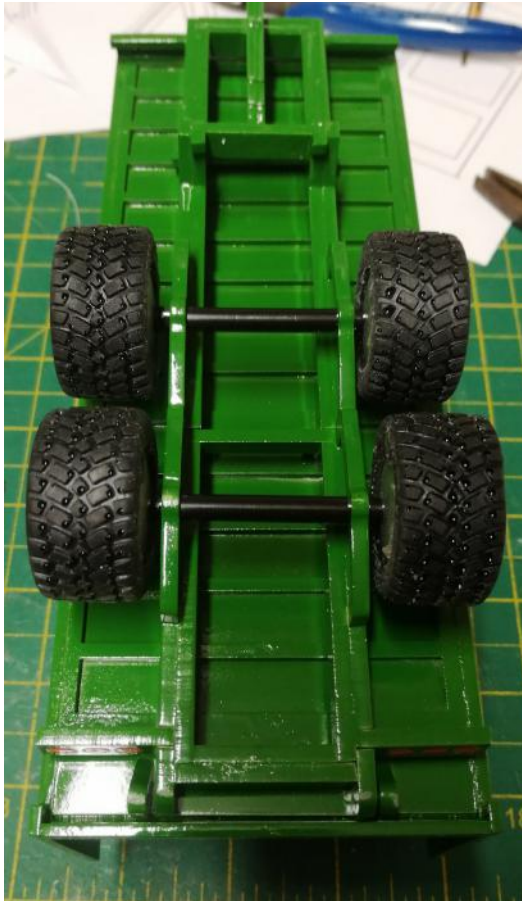


Step 17: The kit is now ready for painting. I recommend using Aerosols to paint the trailer as they are slightly to large for brush painting. The following parts should be painted seperatley: Trailer Body, Trailer Chassis, Tail Gate, Mudguards, Wheel Rims. Paint all parts with a plastic primer to start with, I recommend Halfords Grey plastic Primer for this job (Hycote is the same paint as Halfords). The body, chassis and tail gate can be painted in RAL 6002 as a close match to Bailey Green. RAL 6005 is a close match to the older darker Bailey Green. For mixed RAL aerosols I use my local car body supply shop but they can also be bought online. Paint the mudguards black and the wheel rims silver. The decals can then be applied as appropriate and a final top coat of Clear Lacquer should be added to seal the decals and give a good shine to the model. I use Halfords Clear Lac-



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Step 18: Assembly can begin once all painted parts have been allowed to harden. Assembly is the same for grain and silage. To begin with lay the chassis on the body and fix the wheels in place. Insert the steel rod into one wheel rim, then cut the straw into two spacers that span the middle of the chassis and four spacers approximately 5mm wide. Thread a shot spacer onto the axle, then thread through the chassis hole, add the wide spacer then thread through the second chassis hole, thread a second short spacer on then the second wheel. The wheels shouldn't need gluing but they can be. Aim to set the axles slightly wider than the body as the mudguards will overlap slightly. Repeat for the second axle. Double check the wheel tread points the right way. When viewed from below the tread should point to the back.

Step 19: Mudguards can be glued in place next. They glue onto the side of the chassis rails as illustrated, aim to line up the bottom of the mounting square with the bottom of the chassis rail. Also aim to centralise the mudguard between the two axles. Repeat the mudguard fixing for the other side. Take care when using super glue on painted parts, any spills will cloud/fog up the paint. It is helpful to have the body joined to the chassis with a pin while doing this to make sure the body clears the mudguards.



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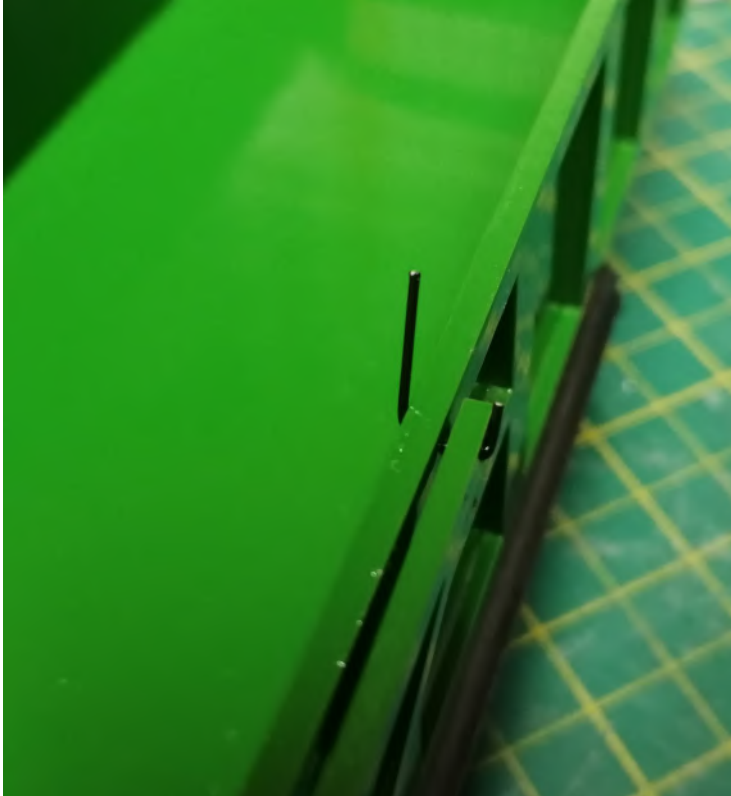
Step 20: The rams and body can be mounted next. Start by attaching the bottom (wider part) of the rams to the chassis by threading a section of the thicker green rod through the two holes as illustrated.

The body can be mounted next. Use another piece of the thicker green rod to thread through the body and chassis pivot holes. Fold an end on the rod to stop it going through the holes and add a small dab of glue to the other side.



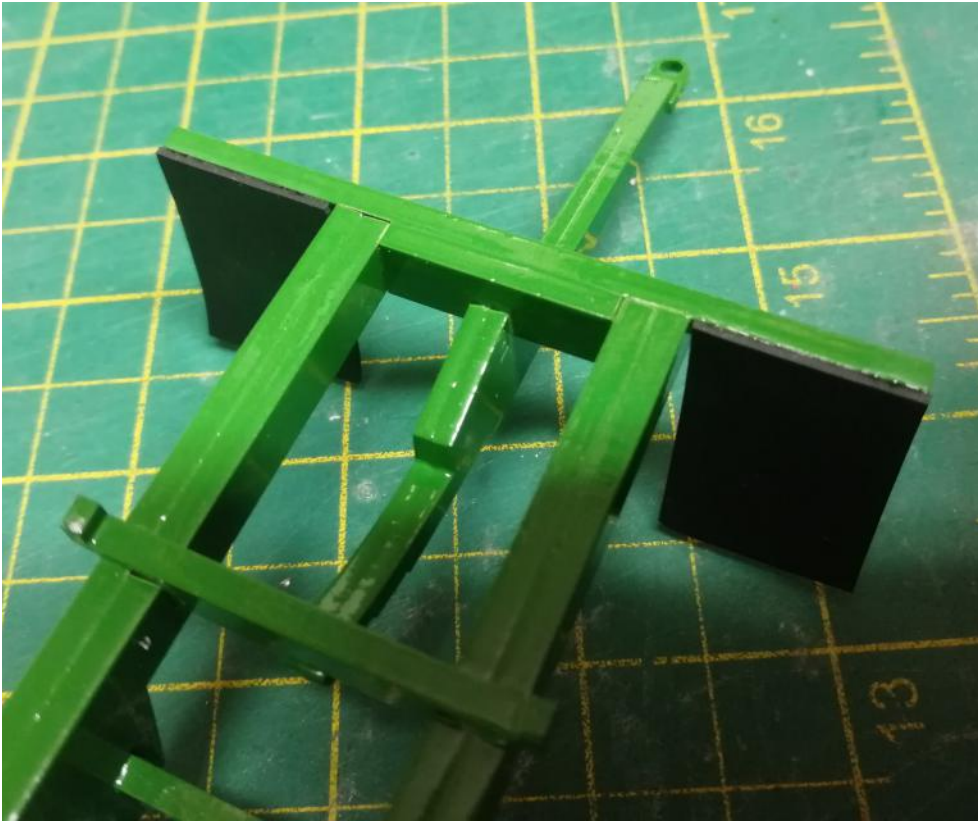


Step 21: With the body mounted the rams can now be fixed at the top. To do this again use the thicker green rod with a folded end. Extended the rams to the ram pivots on the body and thread the bar through, then glue in place.

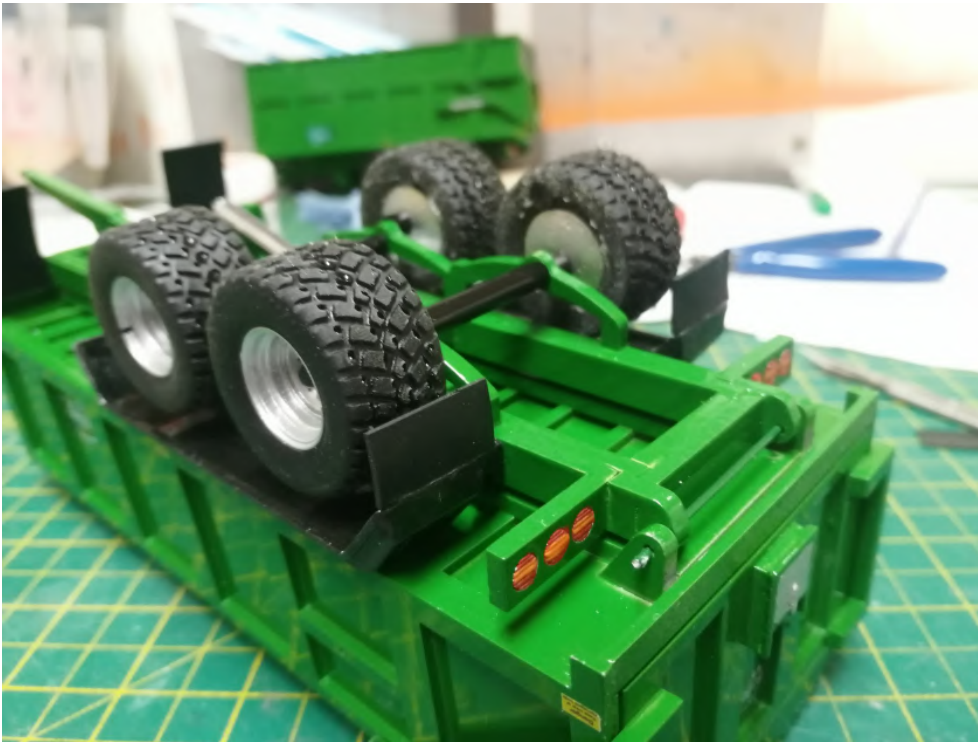


Step 22: The tailgate can be attached next. Use the thinner black rod for this. Fold an end over and then slot into the holes on the tailgate and body, fold the back end up as illustrated then trim to a shorter length.



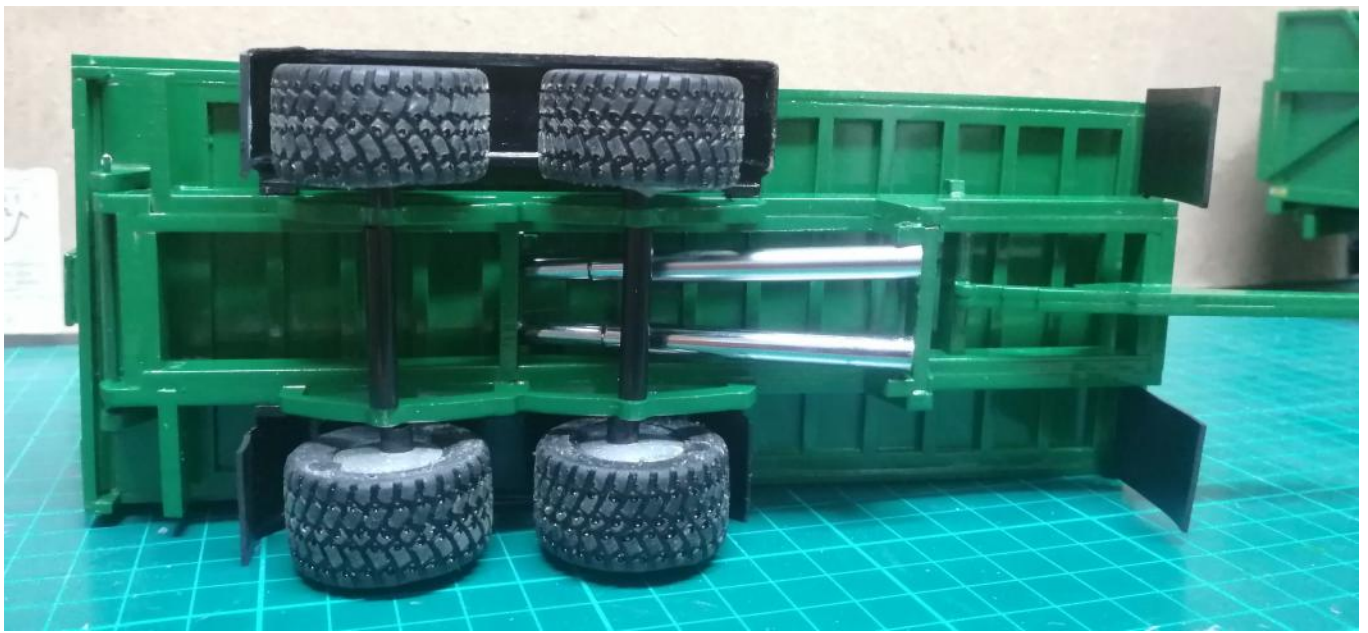


Step 23: Finally add the mudguards, the large mudguards glue to the front mudguard mounts as illustrated. The small mudguards glue to the back edge of the resin mudguards as pictured.





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