

# **Assembly Instructions**

## **Long and Short 4 Axle Truck**

***By Retunga***

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## 2: Few Notes

**BEFORE YOU BEGIN:**

Look at the Assembly pictures if available. They show how to put the model together in the order that works best.

Assembly should take at least twice as long as you think. If you build it faster (you can) you're rushing the build and your model will look better if you slow down. It always does. The best thing to do is read these instructions first then start building the model.

**SUPPLIES NEEDED:**

Sheets of cardstock ISO A4 (297mmx210mm) (>80 g/mm. bond) -- may be labelled as cover weight, cover stock, Cardstock, etc. It is readily available at any office supply store, and it runs though your computer printer without issue, however you should check your printer settings as it probably has a 'thick paper type' that will work better.

Sturdy ruler, Craft knife (e.g. X-Acto© or equivalent) and/or scissors, I prefer the break-away blade box cutter style. You always should work with a sharp blade.

White PVA glue, and use it very sparingly!!!! Always apply glue to paper with a toothpick or unrolled paper clip, never directly from the bottle.

Markers to colour the edges of your model. I use a grey mostly but you can colour match .any extra tools to roll and form paper is also useful.

Please refer to the list of tools that should be a part of any paper modelling, in this model one may not use all of the tools shown in the tools document as a separate document with photos of the tools in question.

**NOTES:**

Avoid cutting out parts before you're ready to assemble that particular portion of the model -- whole sheets are harder to lose than little tiny parts.

Score along folding lines before cutting out shapes. To score parts run your craft knife VERY LIGHTLY over the line to be scored, one can also use scoring tools to help with a more consistent mark.

Cut out inner shapes (like the pass through holes for the solar array arms) before cutting the outer edge.

Remember there is no rush to complete the model you are the only one that can set the pace and how good you want the model to turn out.

**PRINTING AND GENERAL INSTRUCTIONS:**

Print out the model parts on cardstock.

Keep everything at the same scale, i.e., print at 100%, it is not recommended to print as 'shrink to fit' or the parts won't go together correctly.

Make sure the cardstock is compatible with your printer -- office supply stores may have several different types, depending on whether you are using a laser or inkjet printer.

If the printer won't accept the cardstock (paper jams or other mishaps during printing), print on regular paper and glue to cardstock or very thin cardboard -- spray glue is ideal for this, as other types may not hold correctly, and might cause the paper to buckle.

Score along all folding lines (centre of panels, interior lines on tabs, etc.)

Have fun with the model! Don't be afraid to try building the shape. In the worst case, you'll have to reprint the sheet and try again!

**SAFETY!!!!**

Be sure you're working with sharp knives, dull knives are unpredictable; Work on a flat, stable surface, and keep body parts out of the way of the knife!

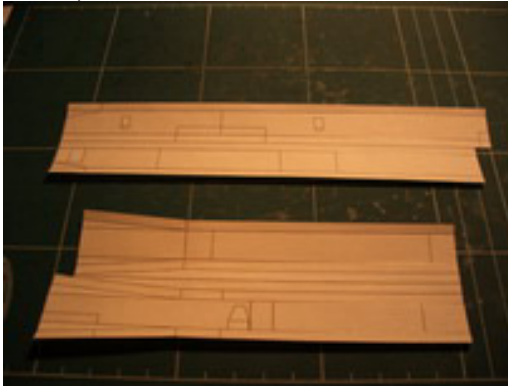
### 3: Chassis

Before one starts the building of the chassis, there is three different lengths, the long chassis is good for the extra add on of the mobile crane arm.

For a start you will need items 10 and 11 as the front half of the chassis, items 12 and 13 is the rear part, A – is for the four axle standard truck, with no mobile crane arm.

B – is for the full length 4 axle truck for the extra mobile crane arm to be added later.

C – is for the 3 axle standard truck with no mobile crane arm. (which is not shown in This build instruction please keep and eye out for the instructions and updated art works)



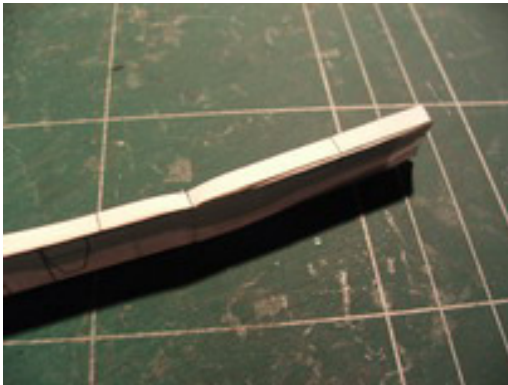
Cut the items 10, 11, 12 and 13 as per Truck that you want to build.

Fold the paper by the bend line and glue.



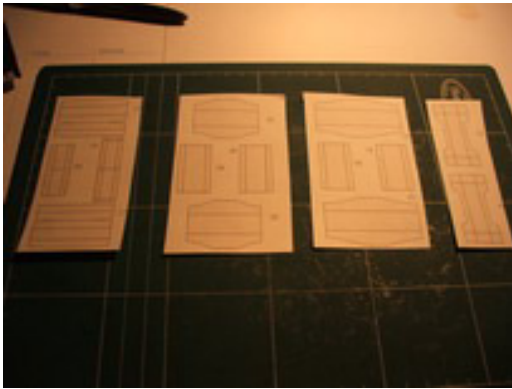
After folding and cutting the beams to look Like U-beams make sure that all is glued

With item12 and 13 glue the end in as above for the trailer ramping onto the shoe.



For item 10 and 11 make sure that there Is a small bend in the chassis as above.

Once complete keep the pairs together for later assembly. 10 and 12, 11 and 13.



Cut items 14 to 20 out.



Cut, fold and glue item 14 out.



Glue the two item 14's together as above.



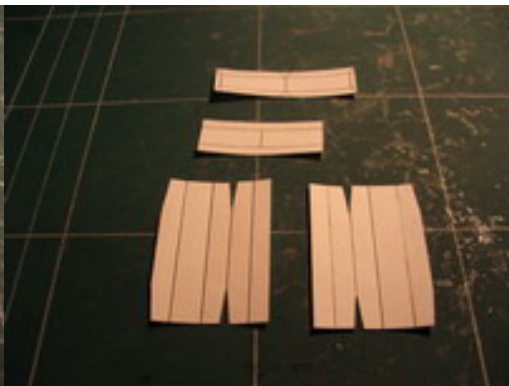
Cut and fold items 15 and 18.



Cut and fold items 16 and 18.

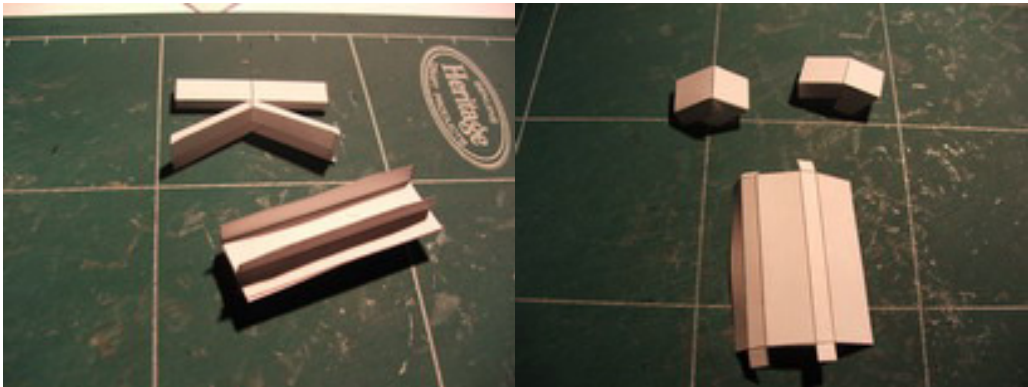


Glue the 2 items 18 together and then  
Glue items 15 on the side of 18 as above.  
Repeat the same steps for 18 and 18.

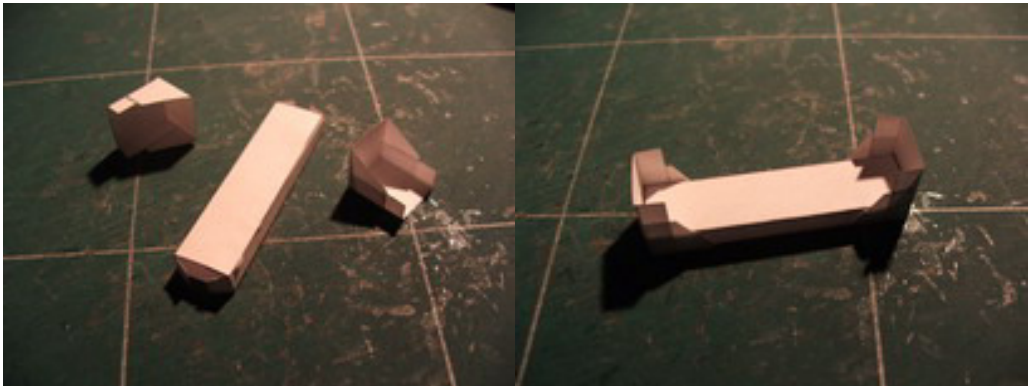


cut items 17, 19 and 20 out.

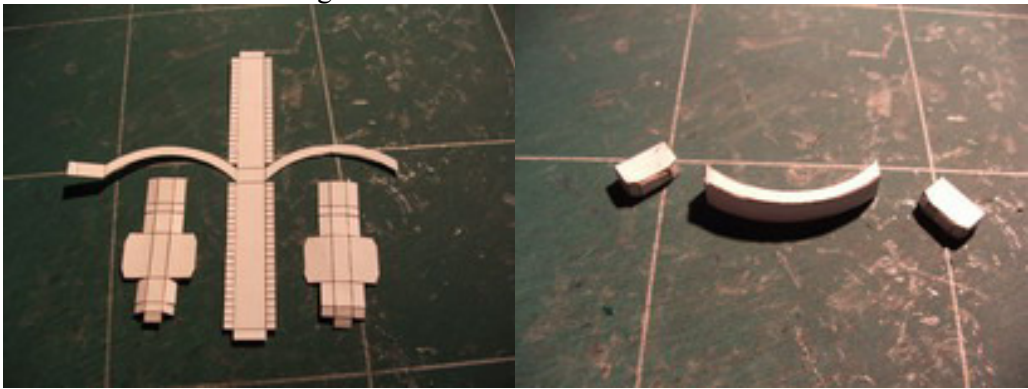




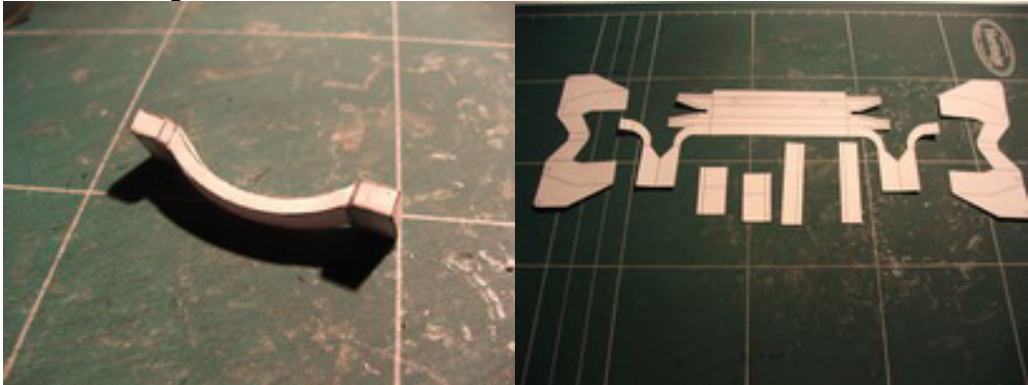
Fold and glue items 17 together and bend Items 19 and 20 as above. Cut and fold items 3 and 5 as above.



Glue items 3 and 5 first together and then combine the item 3 and 5 as above.



Cut, fold and glue items 6 and 7 as above.



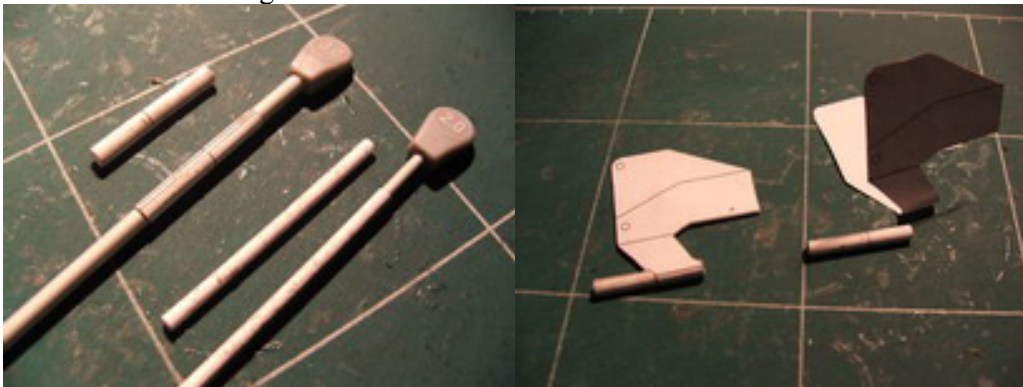
Glue the two items 7 to the side of item 6. Cut items 1, 2, 4, 8 and 9 out.



Start off by folding and gluing item 9 as above.

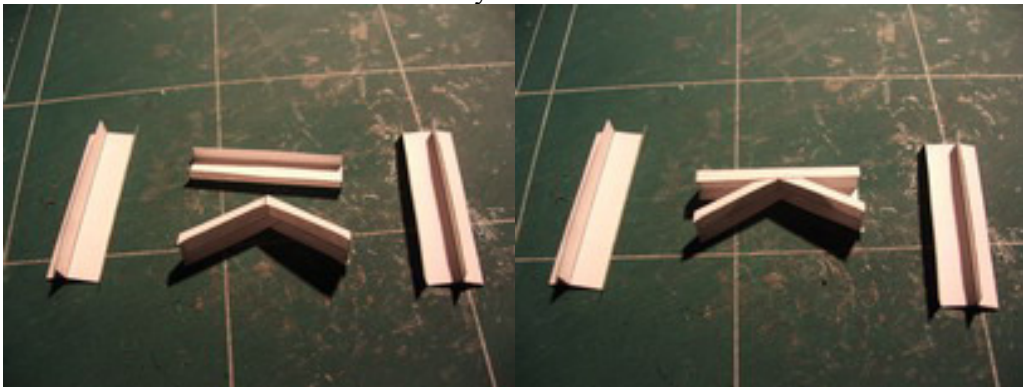


Continue to fold and glue item 9 as above.



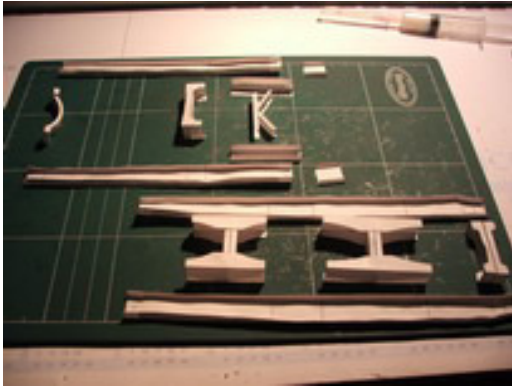
Roll and glue item 1 around a 2.0mm needle and item 8 around a 3.0mm needle. Item 4 will be used later in the assembly.

Fold and glue items 2 and 8 together as above.

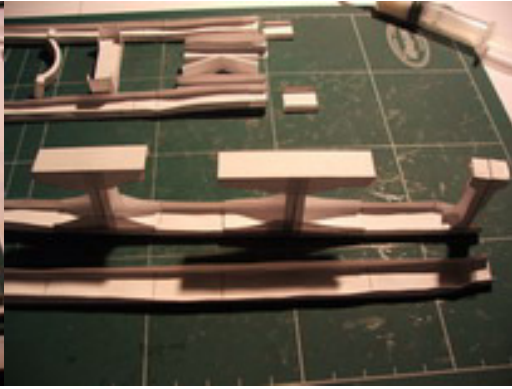


Bring items 17, 19 and 20 together as seen. Glue item 19 and 20 together as seen.





Bring all the chassis items that have been Built together as above.



Start off by gluing items 14, 15 and 16 to item 12 as above, use the blocks that are on the item 12 and 13 to line up the parts.



Glue the item 13 to the assembly as above.



Glue items 5 and 9 to item 11 as above.

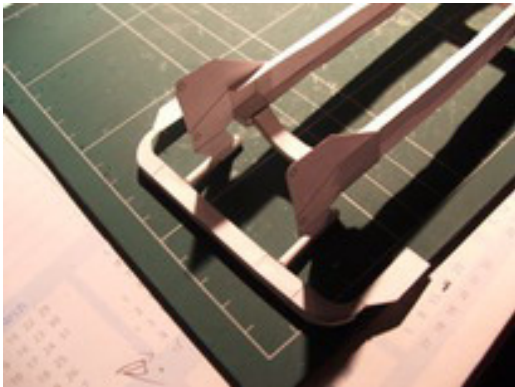


Glue items 19, 20 and 17 to the chassis make sure that items are as the picture with items 19 and 20 on the same height as item 5, look carefully at the picture.

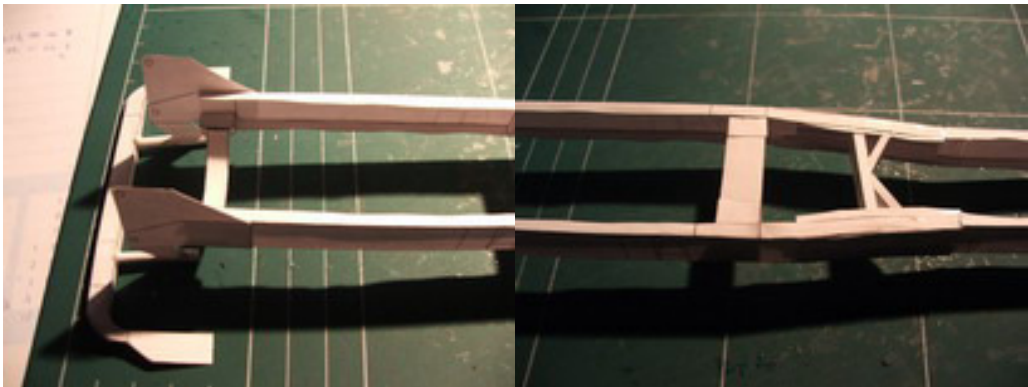


Use items 1 to glue the two chassis Halves together, again make sure that the load ramp is opposite the item 6 as in the Picture.





Glue the tiems 1 and 9 to the chassis as above.



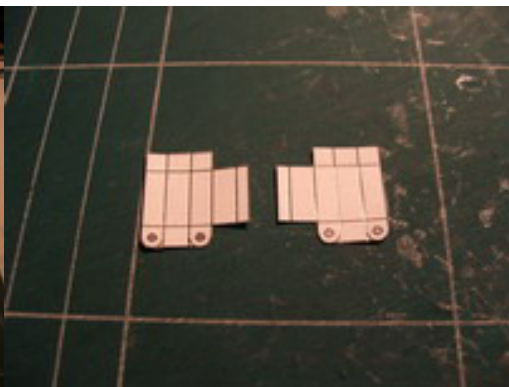
This is what the completed chassis should look like in a section view of pictures from the start at item 9 all the way to item 14.



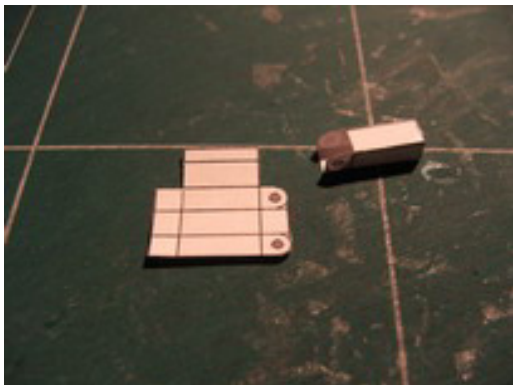
#### 4: Suspension Master Pickups



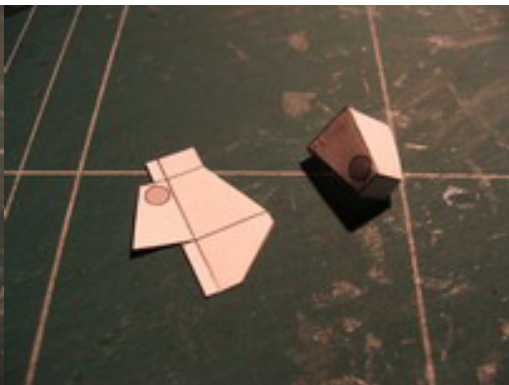
Cut out items 21 to 28



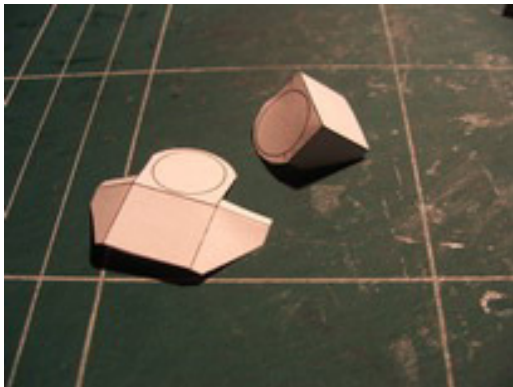
Cut and fold item 26B



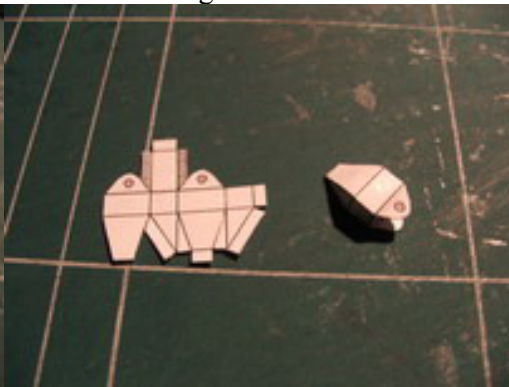
Glue item 26B as above.



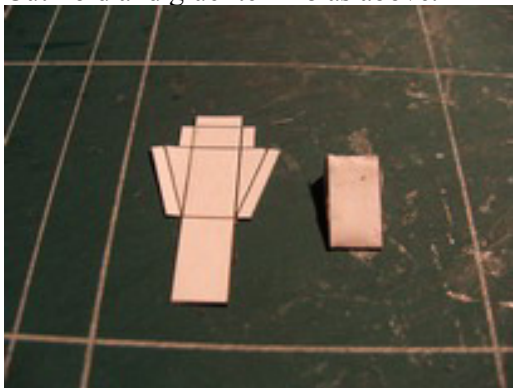
Cut Fold and glue item 27 as above.



Cut Fold and glue item 28 as above.



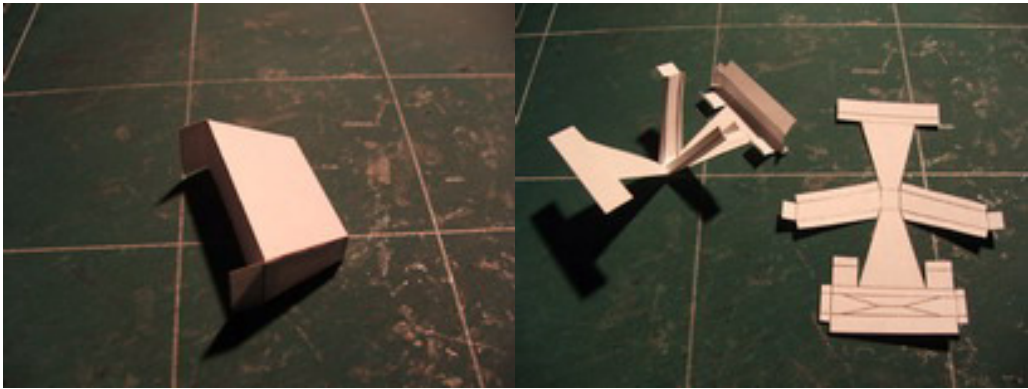
Cut Fold and glue item 25 as above.



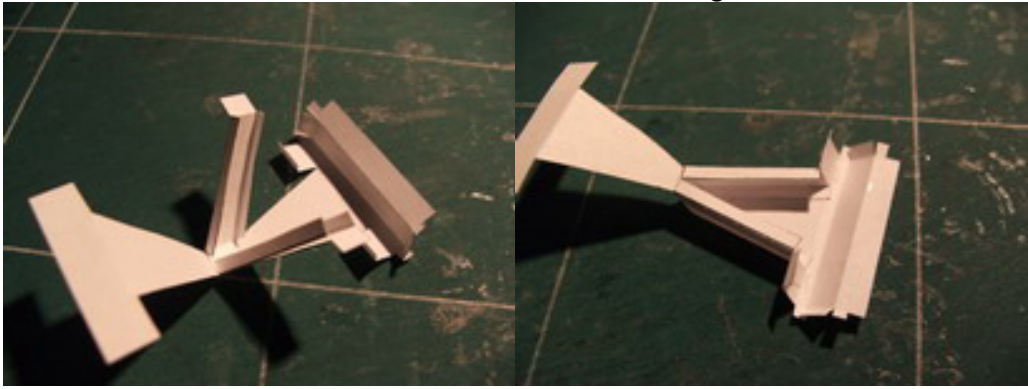
Cut Fold and glue item 22 as above.



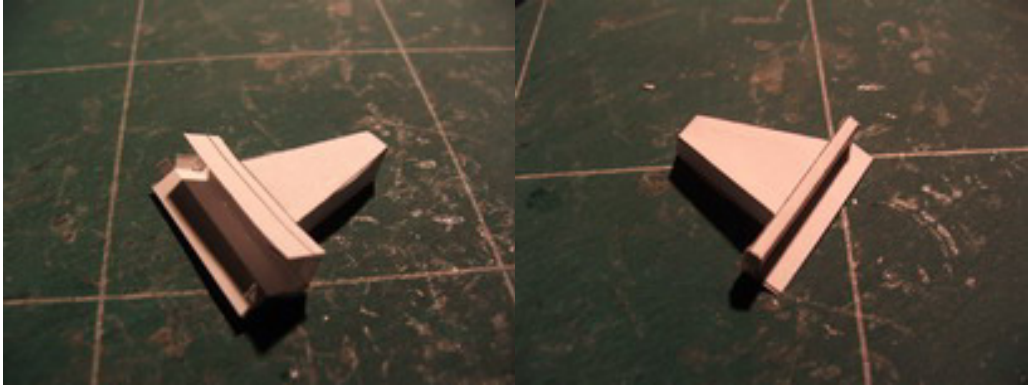
Cut Fold and glue item 21.



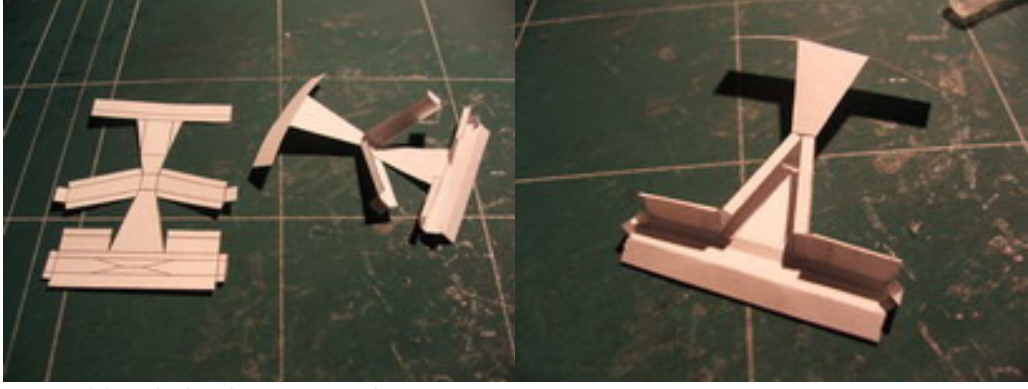
Cut Fold and glue item 24 as above.



Continue to fold and glue item 24 as above.

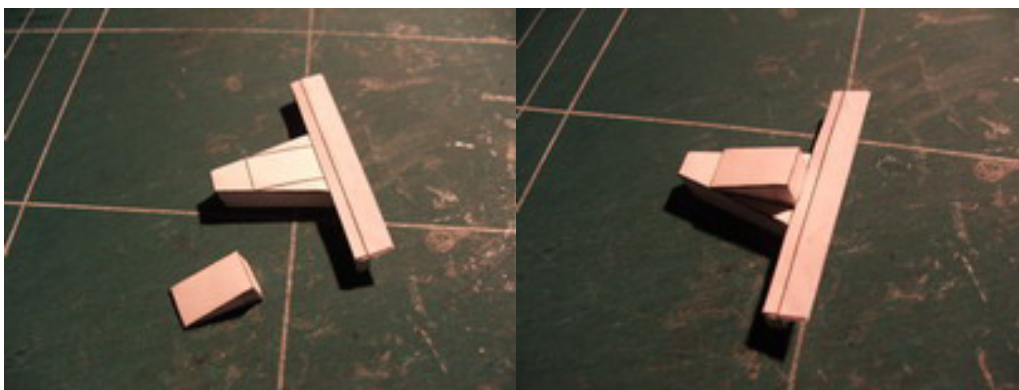


Continue to fold and glue item 24 as above.

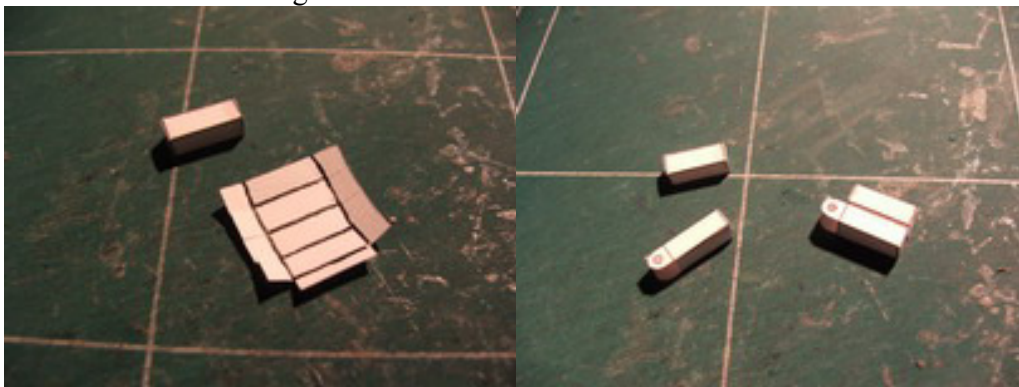


Cut Fold and glue item 23 as above.





Glue items 22 and 23 together as seen above.



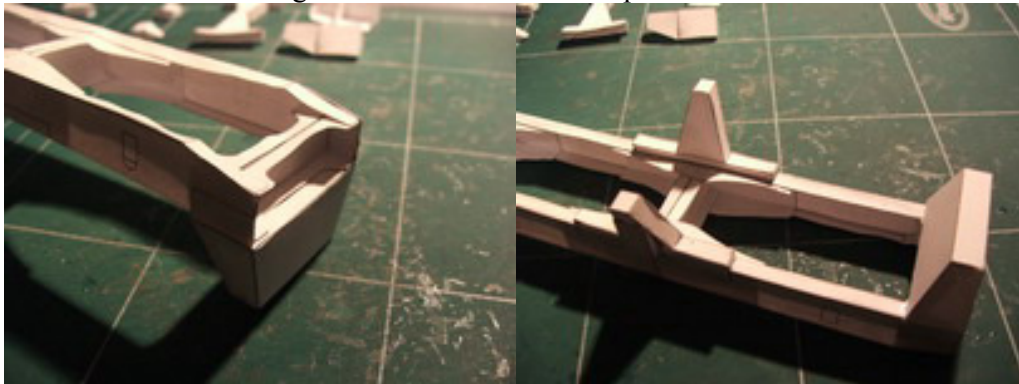
Cut Fold and glue item 26A as above.

Glue items 26 A and B together.



Glue items 27 and 28 together

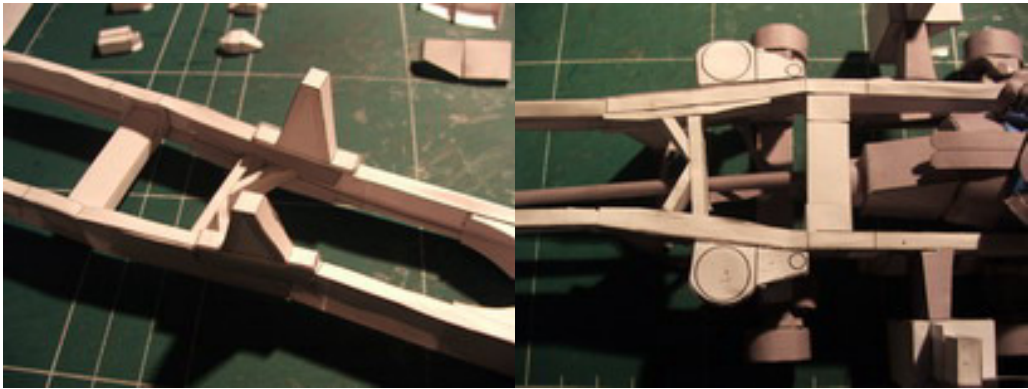
Line up all of the built items as above.



Glue item 21 to the end of the chassis  
As seen above.

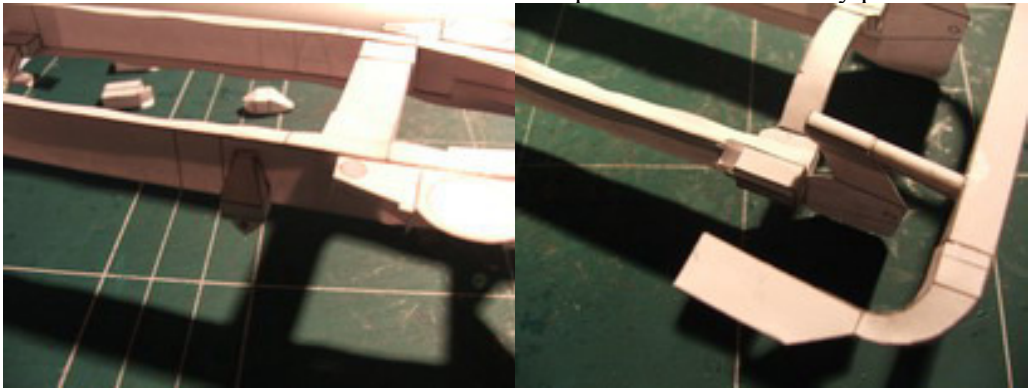
Glue item 23 as above, remember to use  
the marked off area for gluing.





Glue item 24 as above, again in the gluing Area.

Glue item 27/28 as above, note that this Is photo at later assembly point.



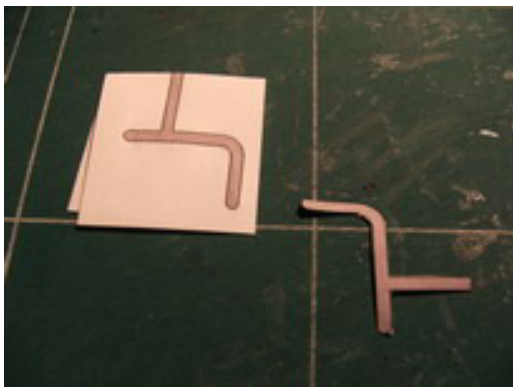
Glue item 25 to the chassis

Glue item 26 to the chassis.

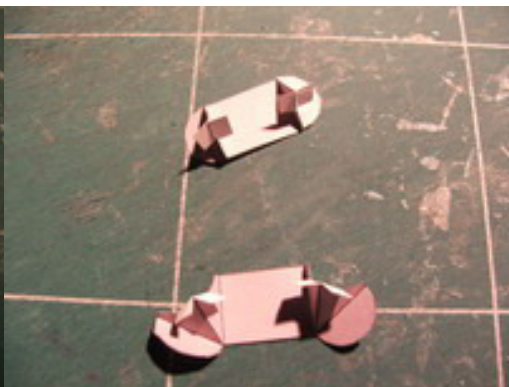


At this point the chassis is now complete all the next steps all put parts on to the chassis and ant mistakes all show from here onwards.

### 5: Rear Differentials



Cut fold and glue item 42 as above.



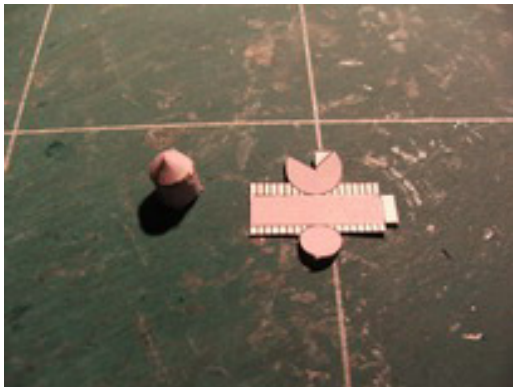
Cut fold and glue item 40 as above.



Cut item 41 as above.



Roll item 41 around a 6.0mm needle.



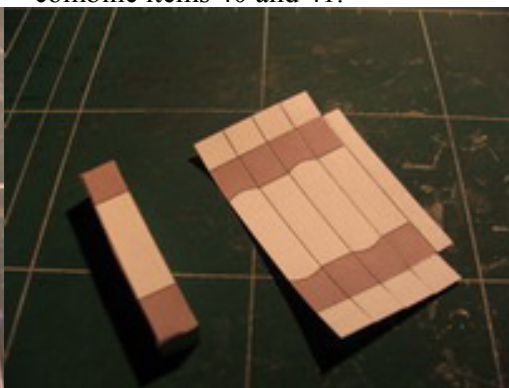
Cut fold and glue item 41 as above.



combine items 40 and 41.

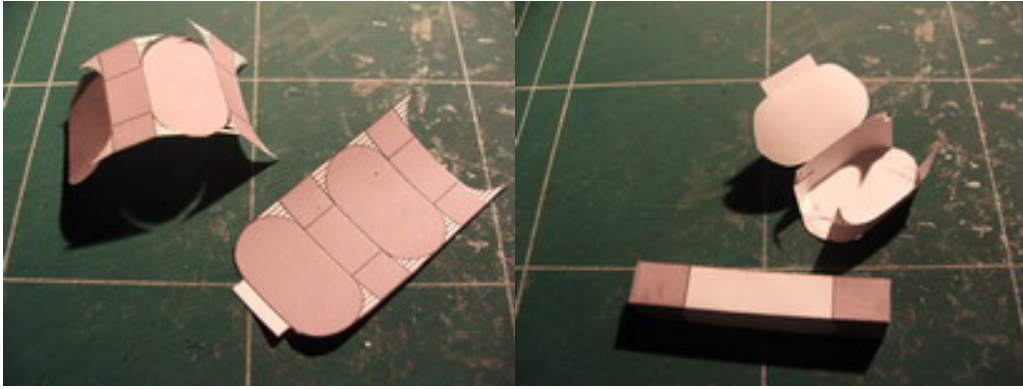


Glue as above.



Cut fold and glue item 33 as above.





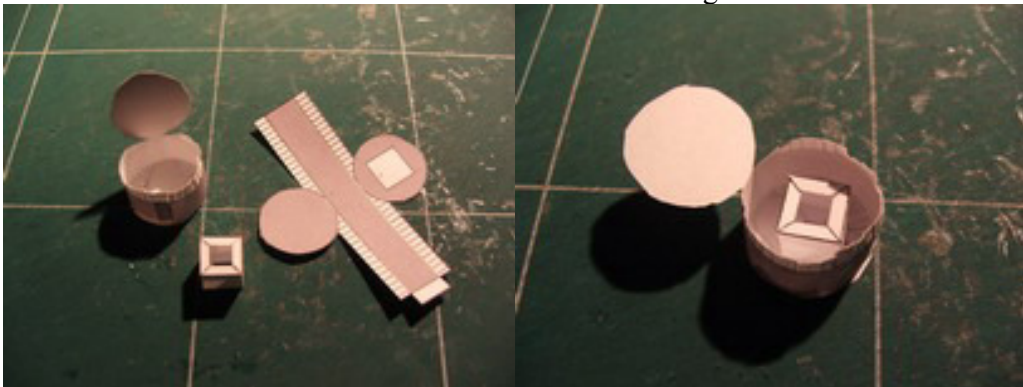
Cut item 32 and fold as above.

glue item 32 and 33 together as above.



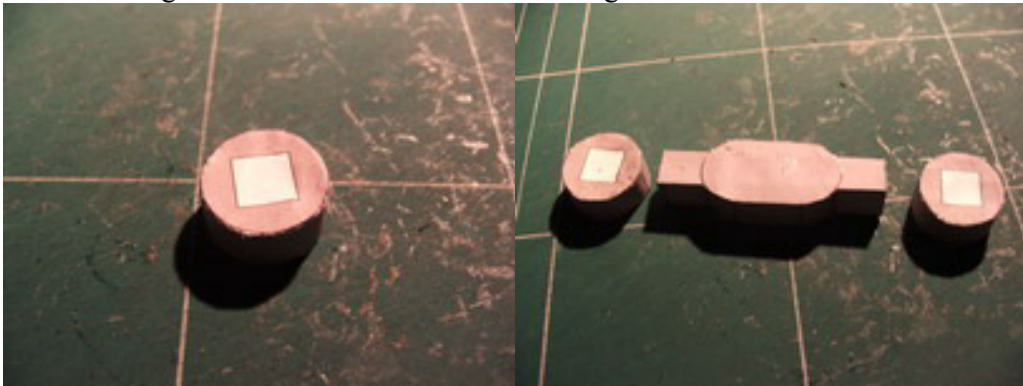
Close item 32.

Cut fold and glue item 29 as above.



Cut fold and glue item 36 as above.

then glue item 29 as above.



Close item 36 as above.

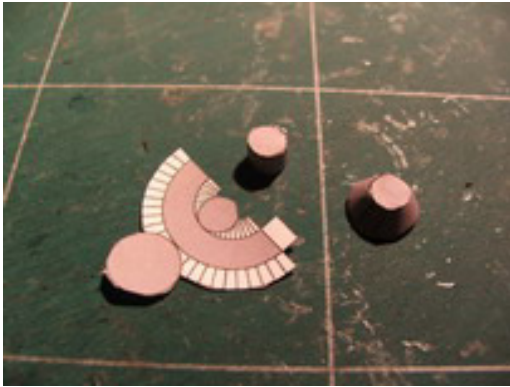
bring items 36 and 33 together.



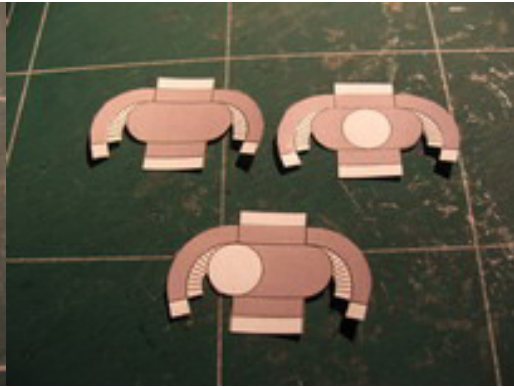
Glue as above.



Cut items 30 and 35 as above.



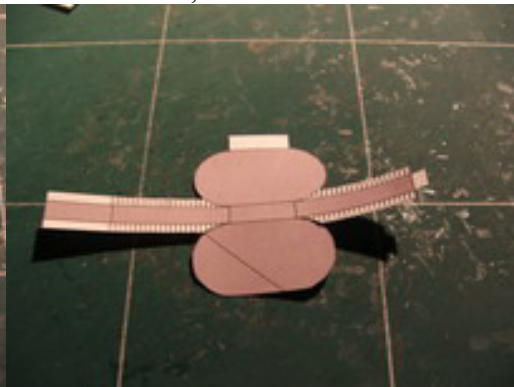
Glue items 30 and 35 as above.



Cut items 37, 38 and 39 as above.



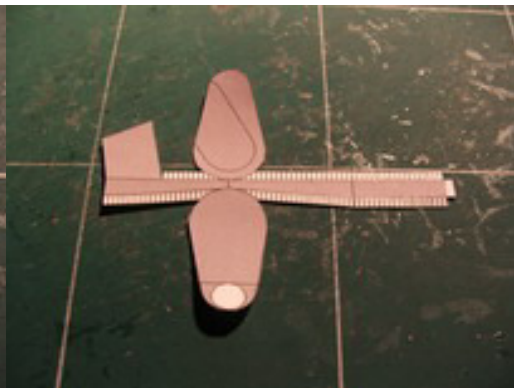
Glue items 37, 38 and 39 as above.



Cut item 31 as above.



Glue item 31 as above.

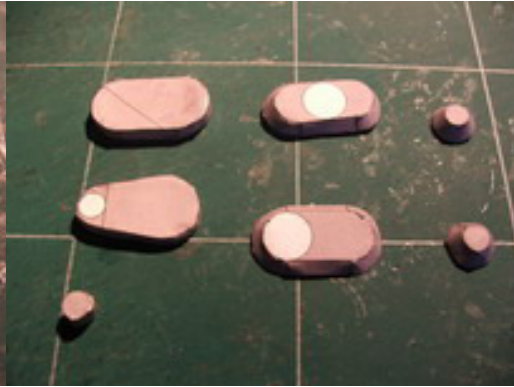


Cut item 34 as above.





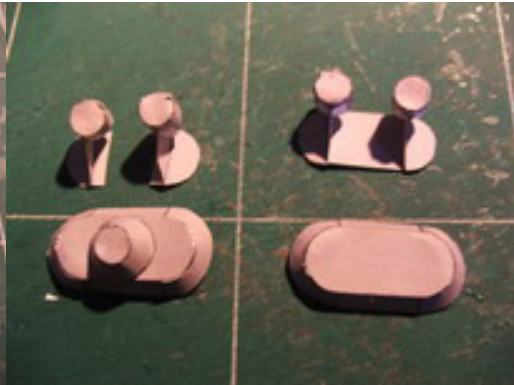
Glue item 34 as above.



combine items 30, 31, 35, 37, 38 and 39.



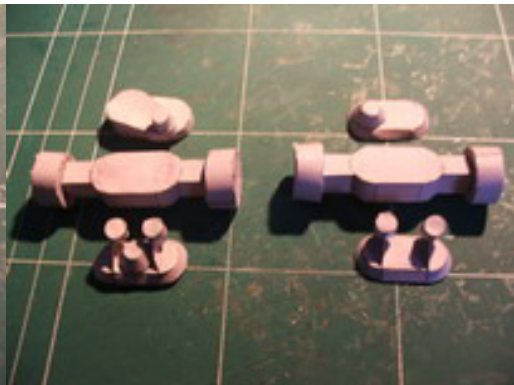
Glue as above.



Cut and trim item 40 as above.



Glue to items 37 and 38 as above.



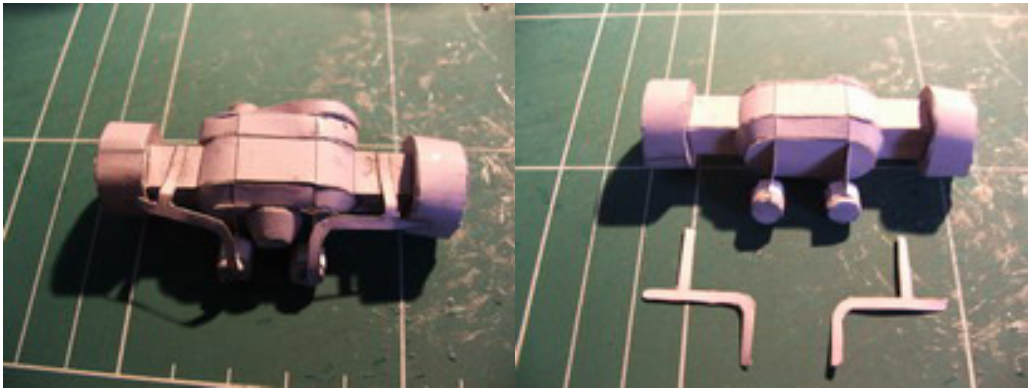
Combine the above items together.



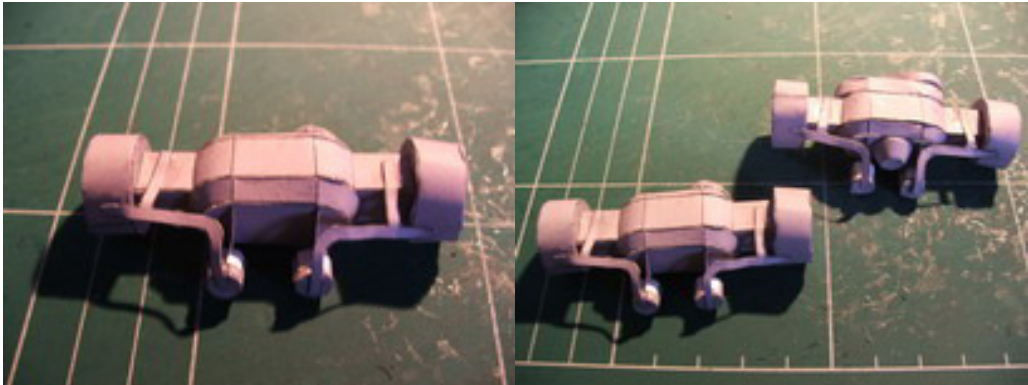
Glue as above.



Glue item 42 as above.

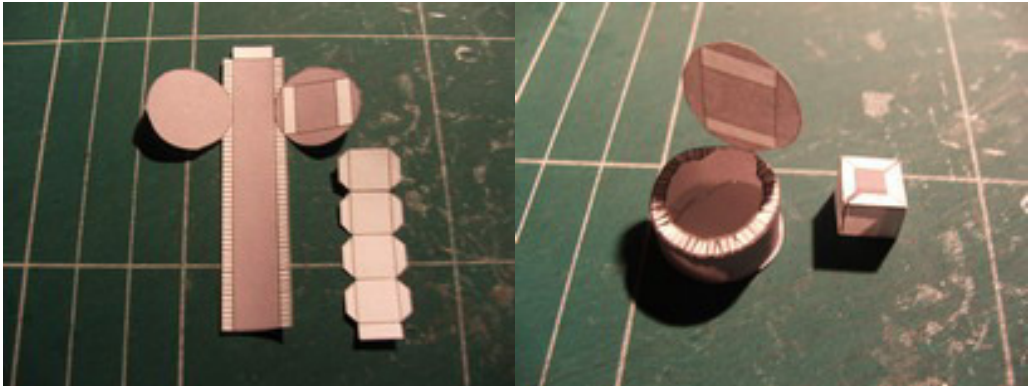


Glue as above.



Now you have the rear diff. assembly complete.

**6: Front Suspension**



Cut items 46 and 48 out.

Fold and glue items 46 and 48 as above.





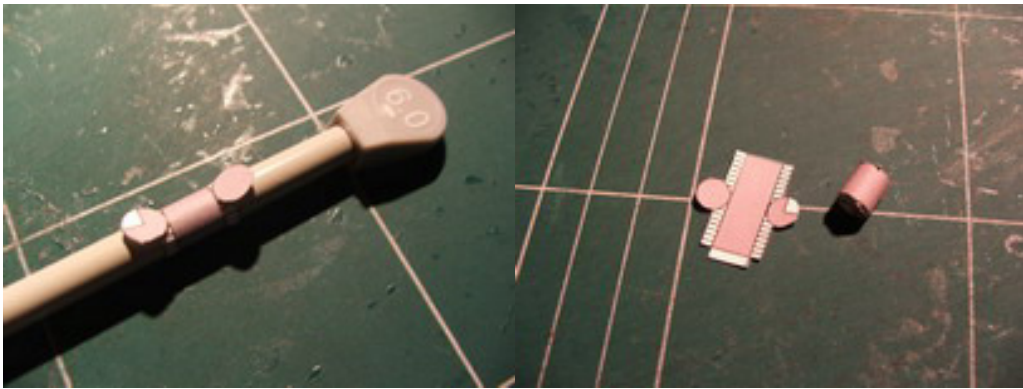
Glue item 48 inside item 46 and close as Above.

Cut item 270 as above.



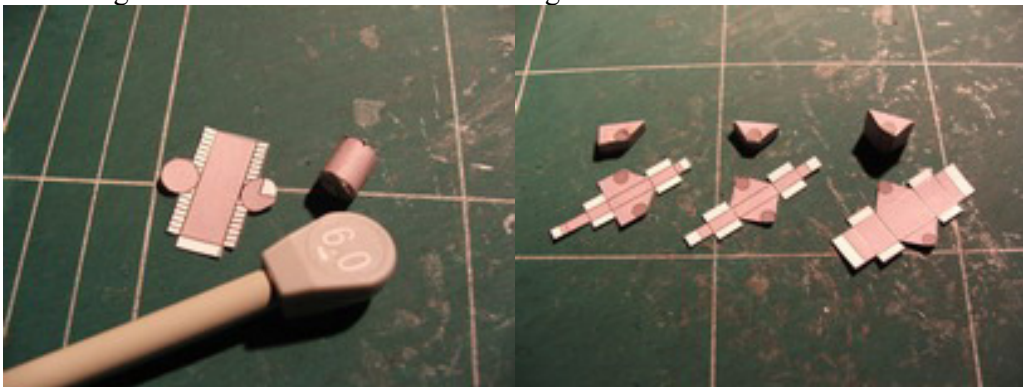
Glue item 270 as above.

Cut item 47 as above.

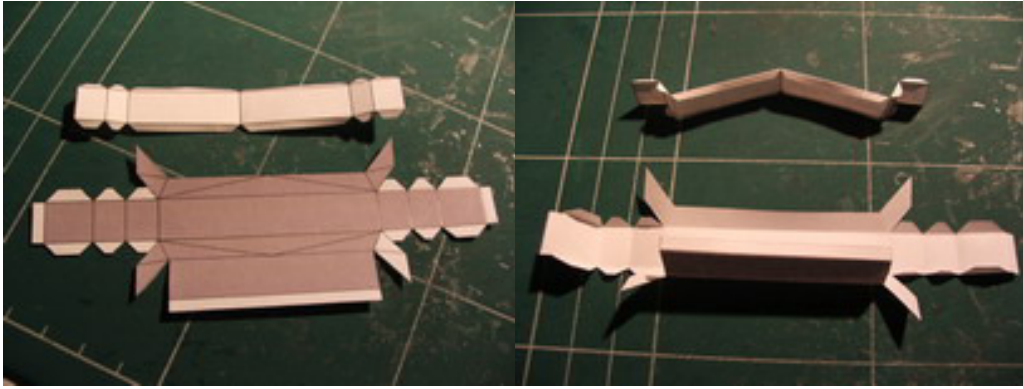


Roll and glue item 47 around a 6.0 needle.

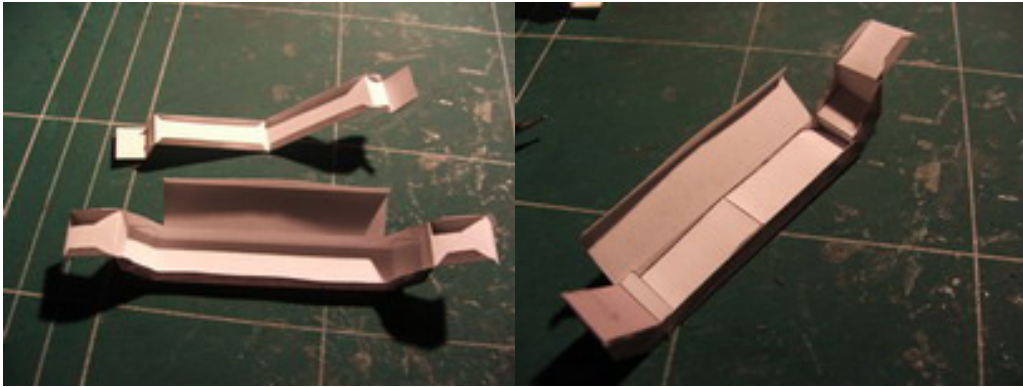
glue item 47 closed



Cut fold and glue items 43, 44 and 45 as above.

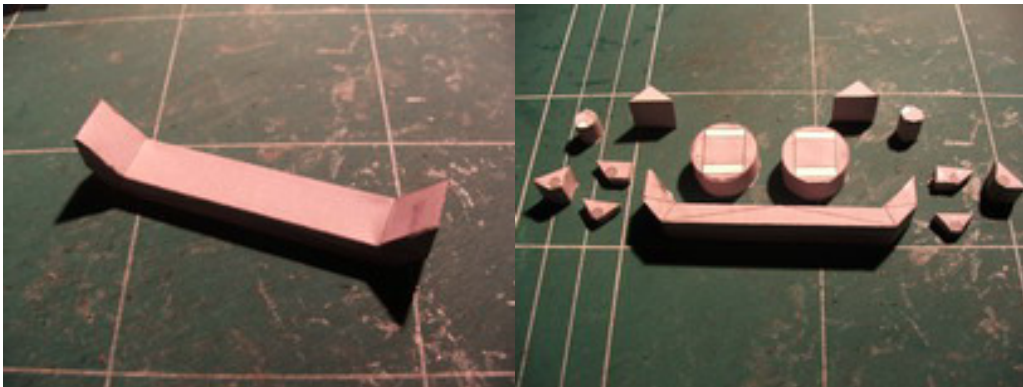


Cut and fold items 49 and 50 as above.



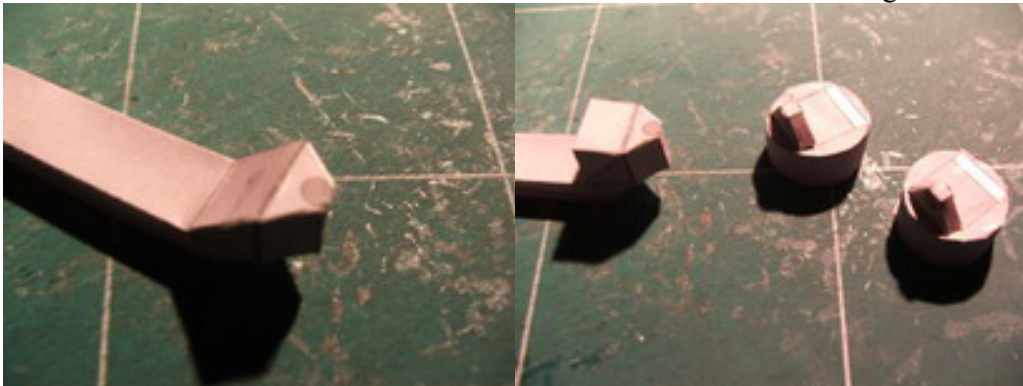
Glue item 49 as above.

Glue item 50 into item 49 as above.



Glue item 49 closed.

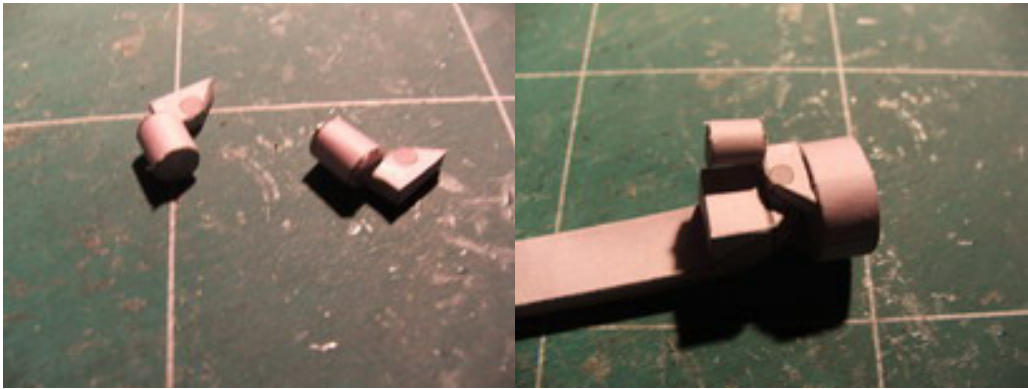
Combine the above items together.



Glue item 44 to both ends of item 49.

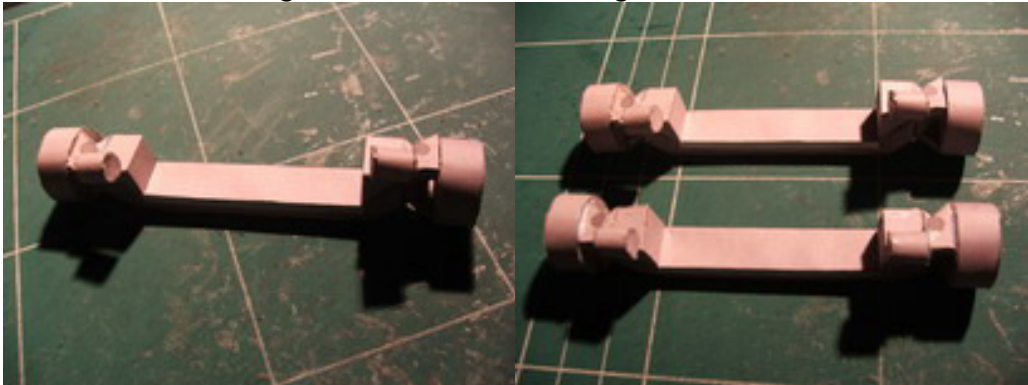
Glue item 45 to item 46 as above.



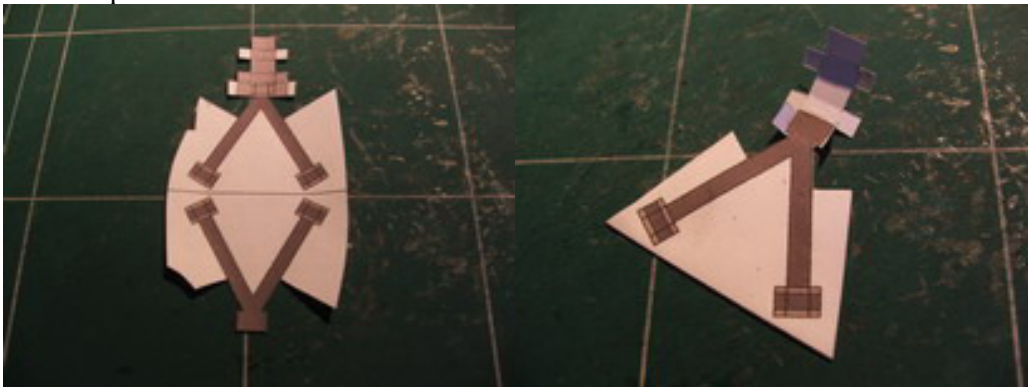


Glue item 47 and 43 together.

Then glue to item 49 as above.



The completed axles.



Cut item 79 as above.

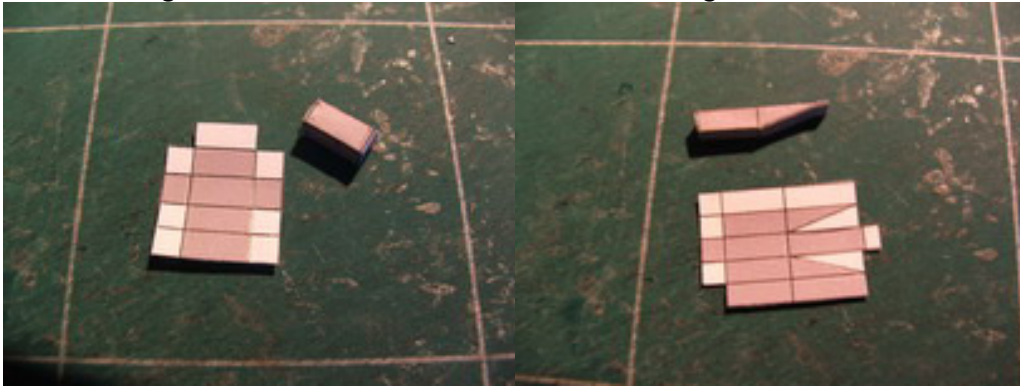
Glue item 79 as above.



Continue to glue item 79 as above until complete.

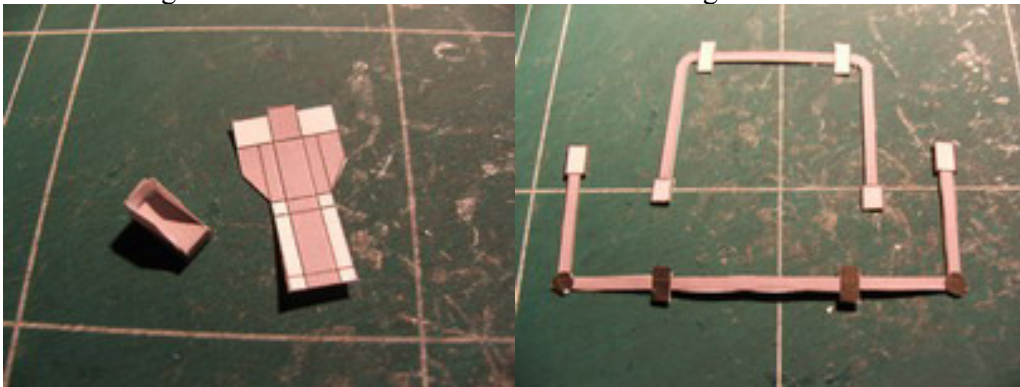


Cut fold and glue items 80 and 81 as above. Cut fold and glue item 75 as above.



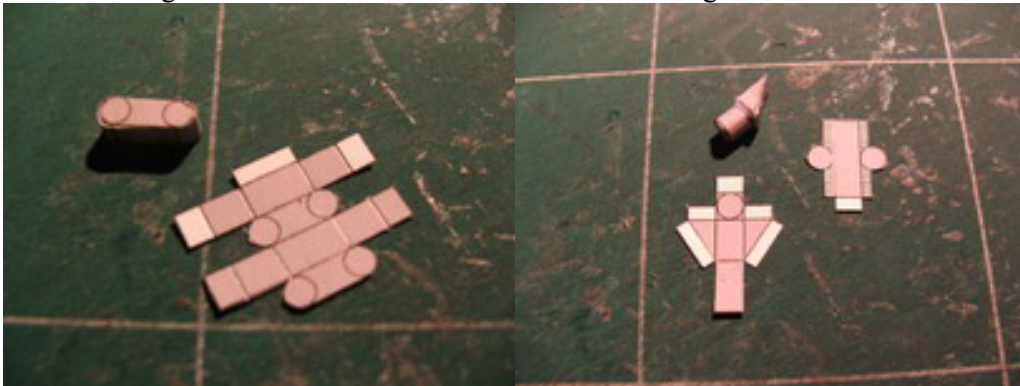
Cut fold and glue item 82 as above.

Cut fold and glue item 83 as above.



Cut fold and glue item 74 as above.

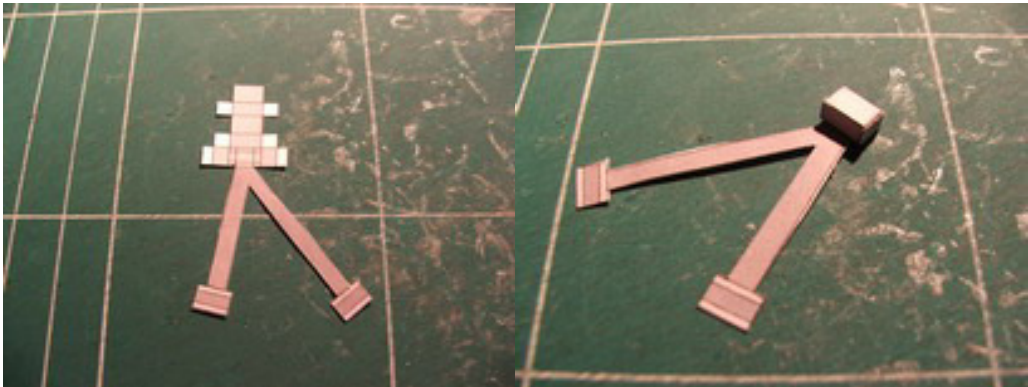
Cut fold and glue item's 71 & 75 as seen.



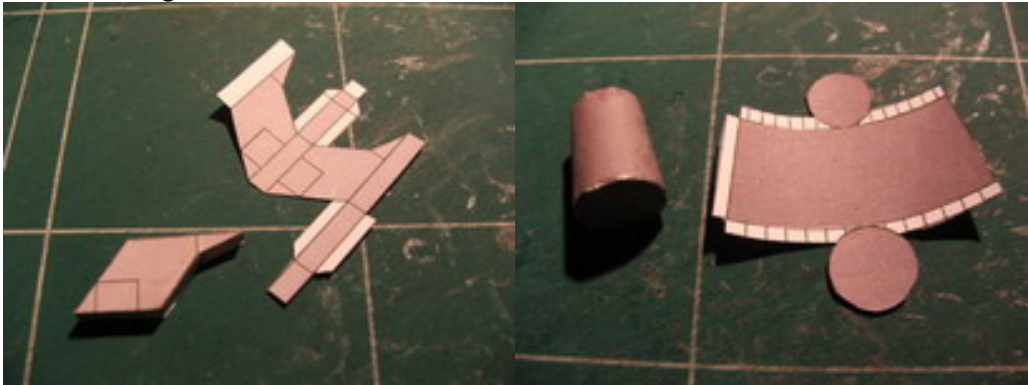
Cut fold and glue item 52 as above.

Cut fold and glue item's 61 & 62 as seen.



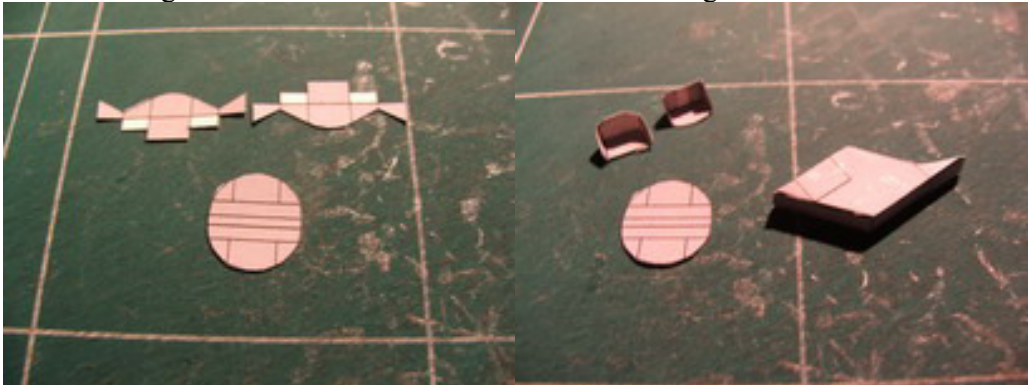


Cut fold and glue item 68 as above.



Cut fold and glue item 63 as above.

Cut fold and glue item 61 as above.



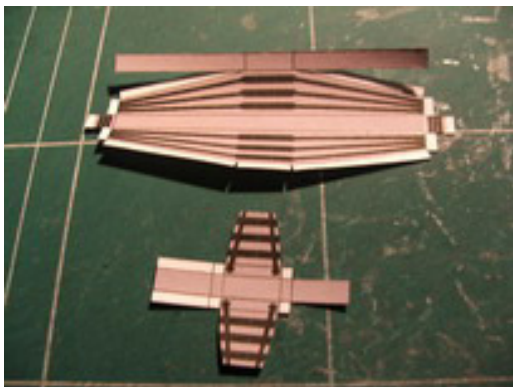
Cut items 65, 66, and 67 as above.

Glue item 66 and 67 as above.

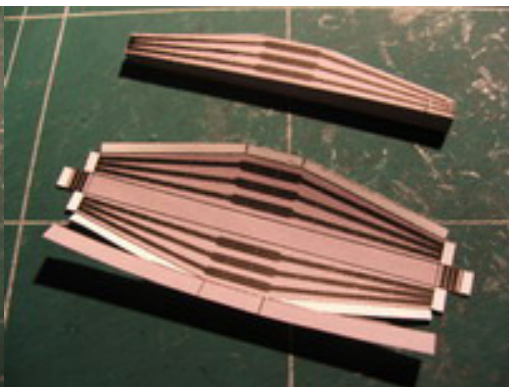


Glue items 65, 66 and 67 as above.

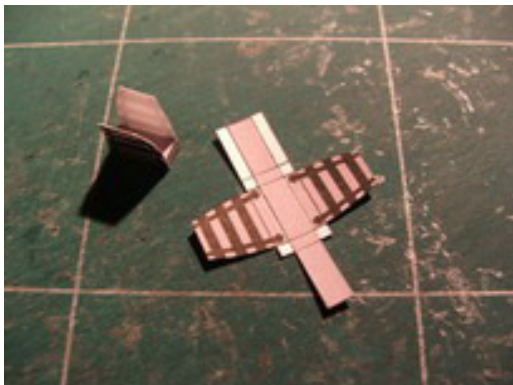
## 7: Suspension Springs



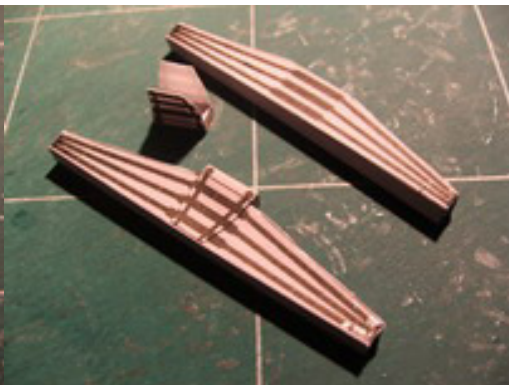
Cut items 72 and 73 as above.



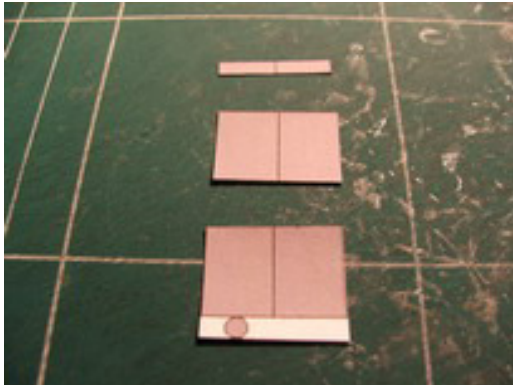
Glue item 72 as above.



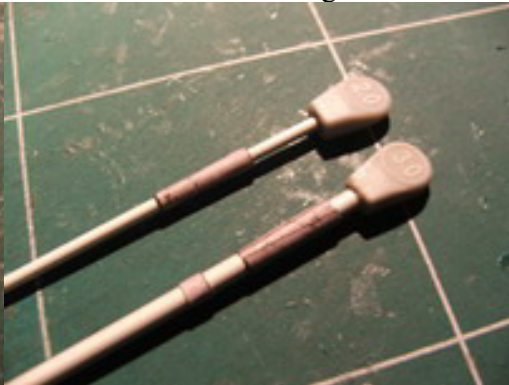
Glue item 73 as above.



Glue items 72 and 73 together as above.



Cut items 76, 77, and 78 as above.

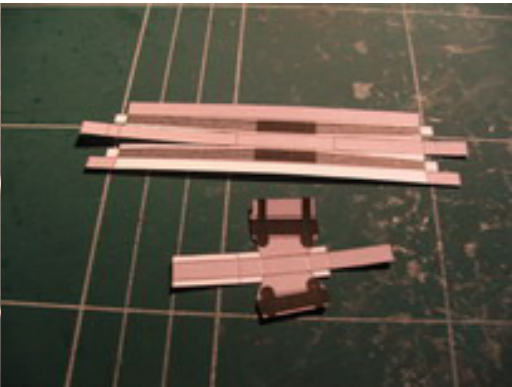


Roll and glue item 77 around 2.0mm Needle and items 76 and 78 around a 3.0mm needle.

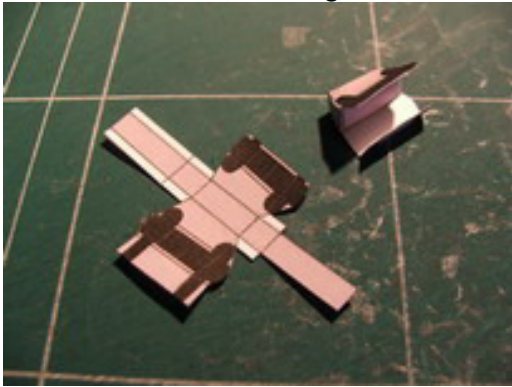




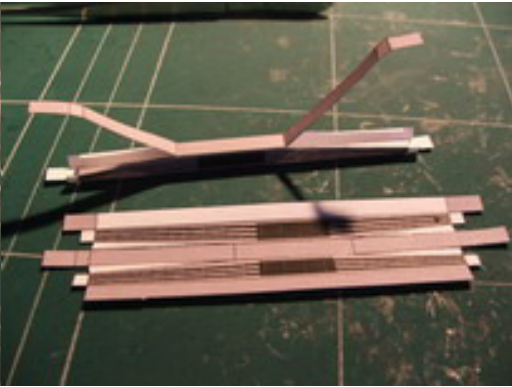
Combine as above, do not glue.



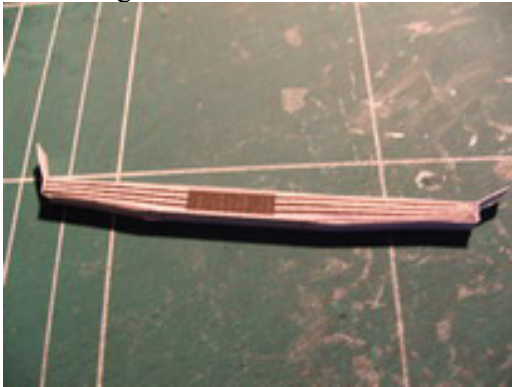
Cut items 51 and 60 as above.



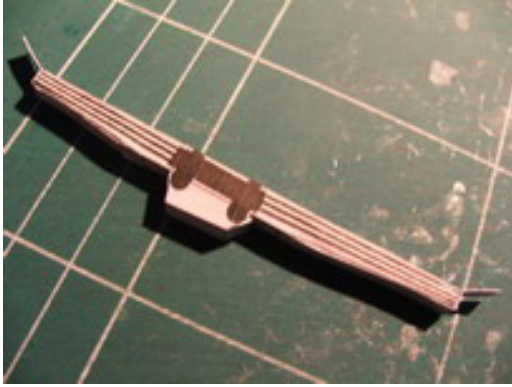
Fold and glue item 60 as above.



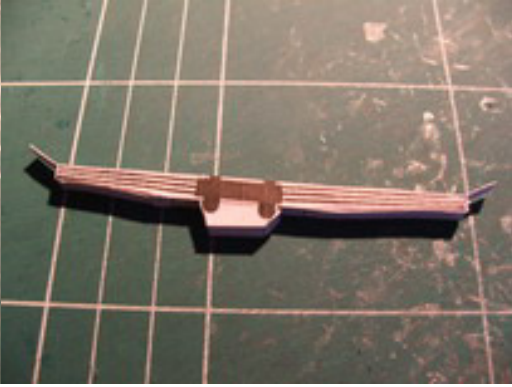
fold and glue item 51 as above.

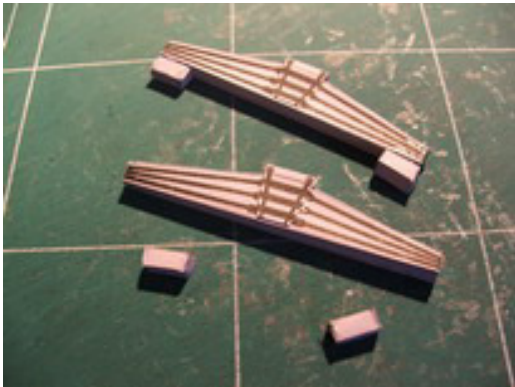


Continue to glue item 51 as above.



Glue item 51 and 60 together make sure that you glue as above.



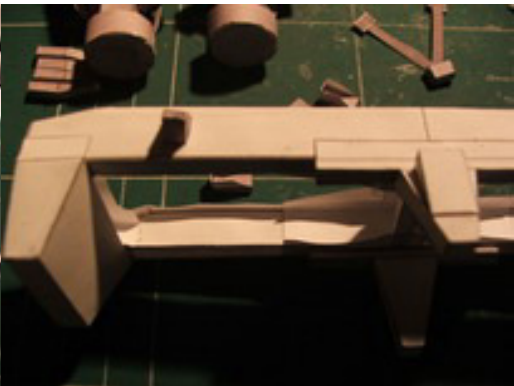


Glue items 72 and 82 as above.

**8: Rear Suspension Assembly**



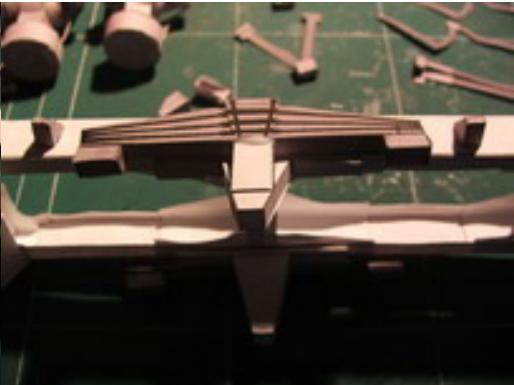
Combine items 72, 81, 83, 76, 74, 79, 80  
75 and the diff's as above.



Glue item 75 as above.



Glue item 75 on as above.



glue item 72 as above.

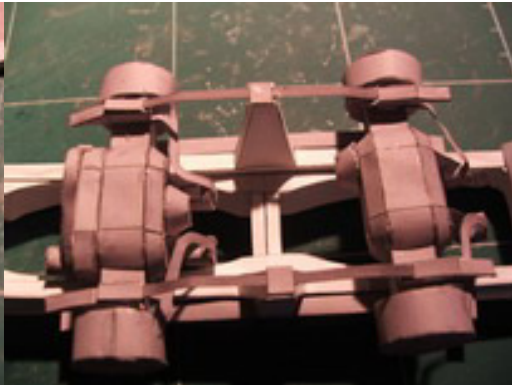




Glue item 83 to the diff's as above.



Glue the diff's as above to item 72.



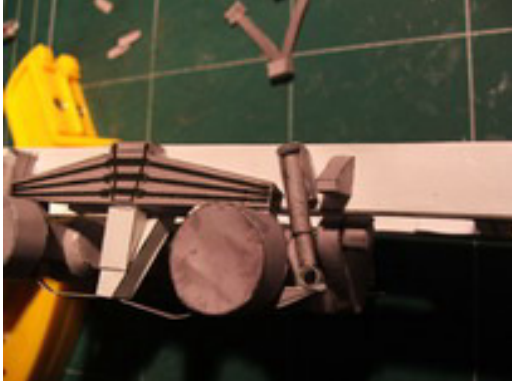
Glue item's 80 to the diff as above.



Glue items 74 as above to chassis.

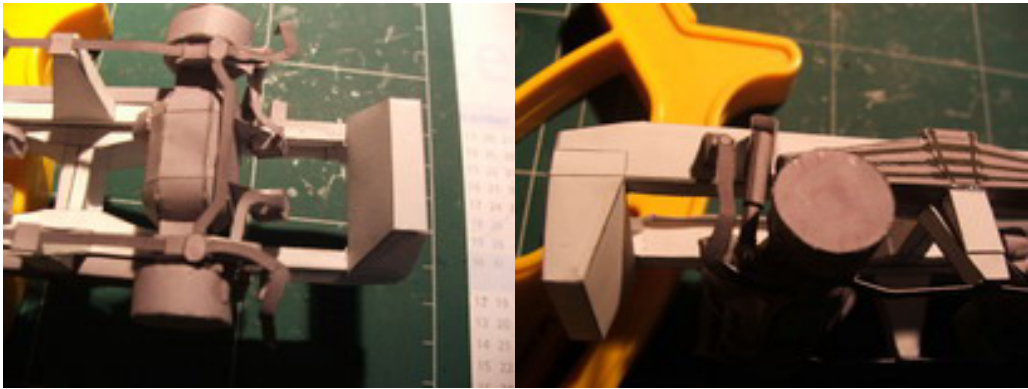


Glue items 76 as above to the chassis.

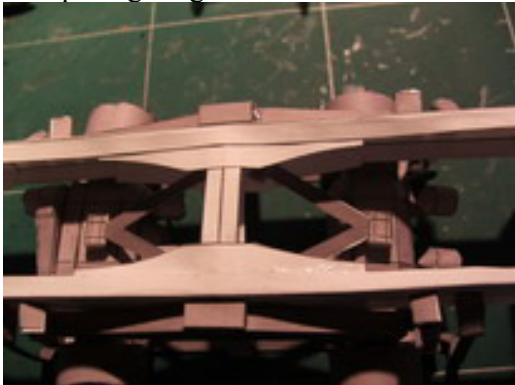


Glue item's 81 as above.





Complete gluing item 81 as above.



Glue items 79 as above to the chassis.

## 9: Front Suspension Assembly



Combine the rest of the left over parts.



Glue item 61 and 65 together as above.



Glue item to chassis as above.



Glue the shock items 58, 59 and 69 the chassis as above, use the same step as earlier shocks.



Glue the axle as above.

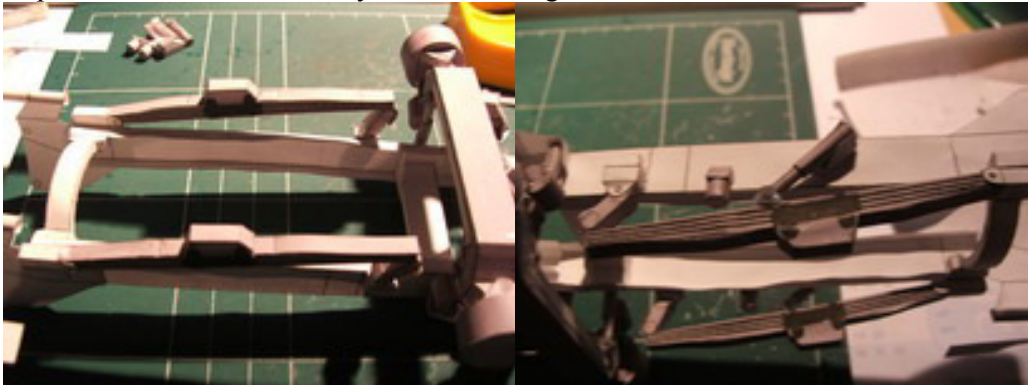


Glue item 71 as above.

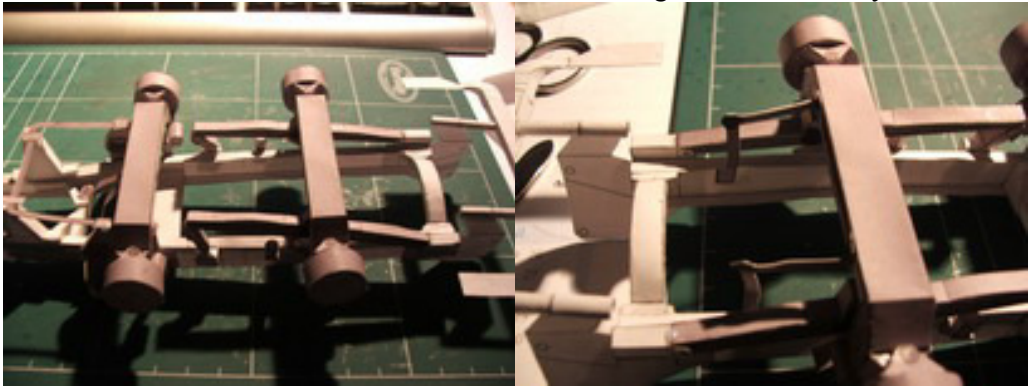


Top view of the axle assembly.

glue item 51 to chassis as above.



Glue item 54,55 and 56 with item 53 as Above. again the same story for shocks.



Glue the axle in place as above.

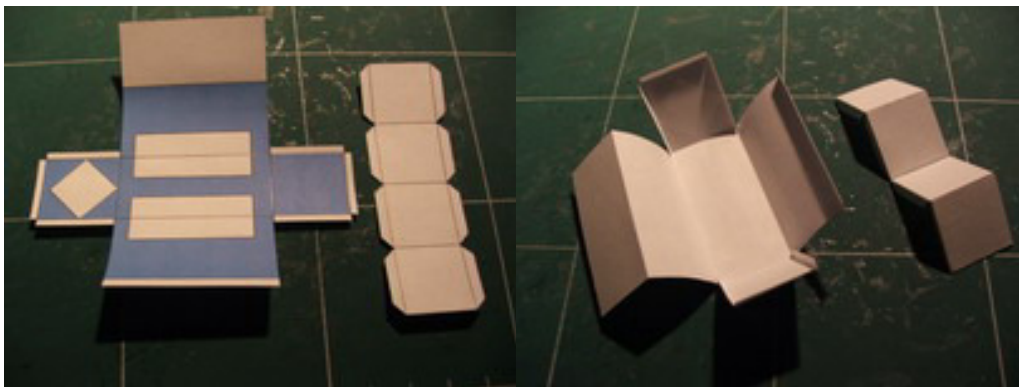
glue item 70 as above.



Completed suspension work.

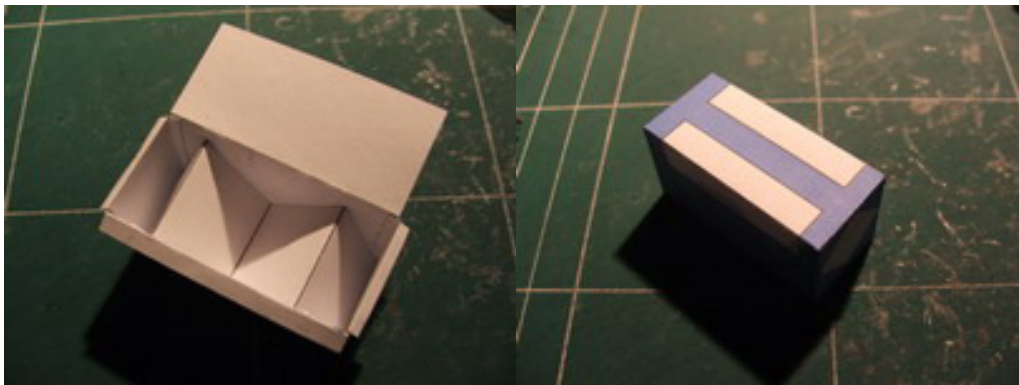


### 10: Engine Assembly



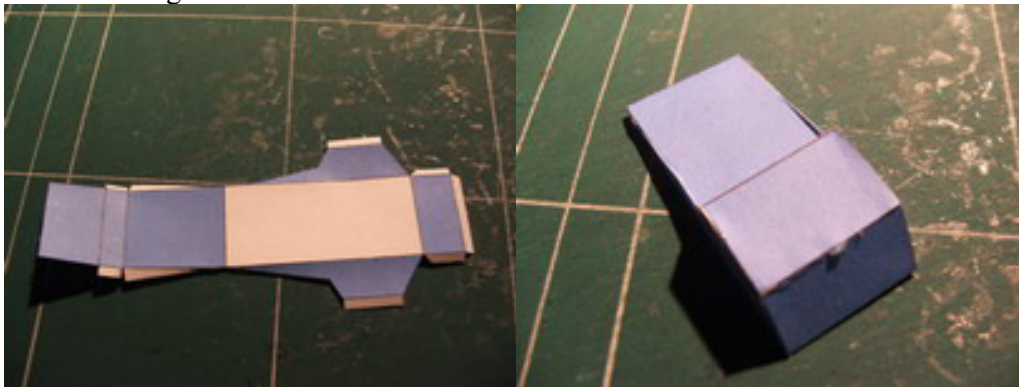
Cut items 86 and 87 as above.

Fold items as above.

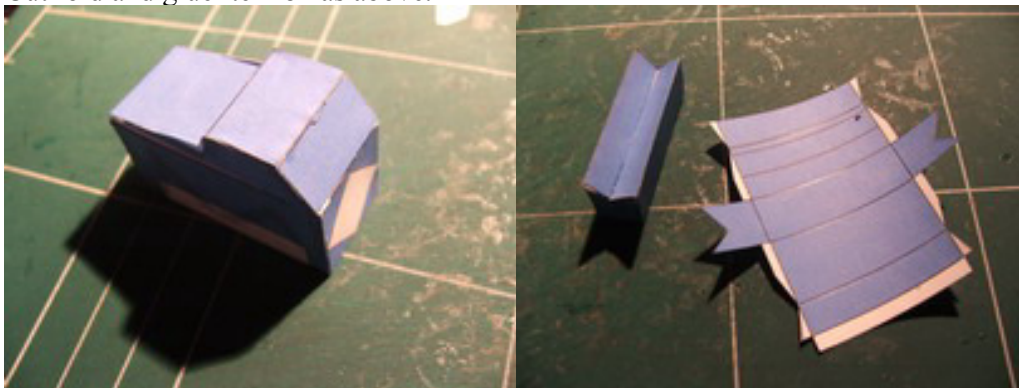


Glue items together as above.

Glue closed item 86 as above.

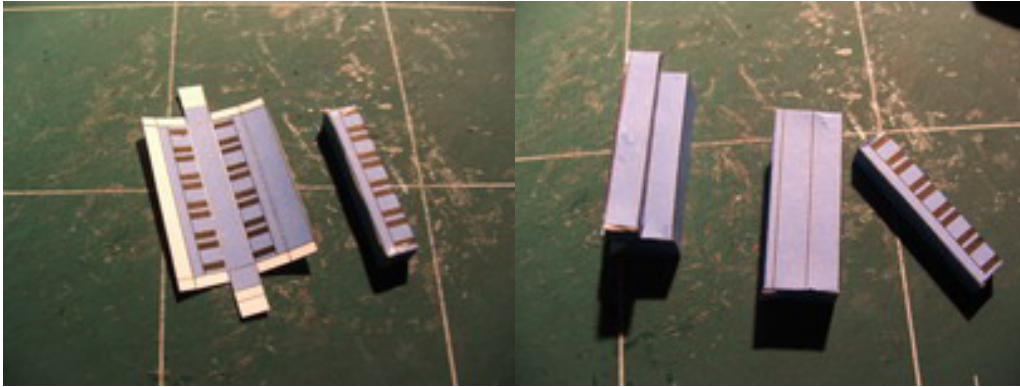


Cut fold and glue item 84 as above.



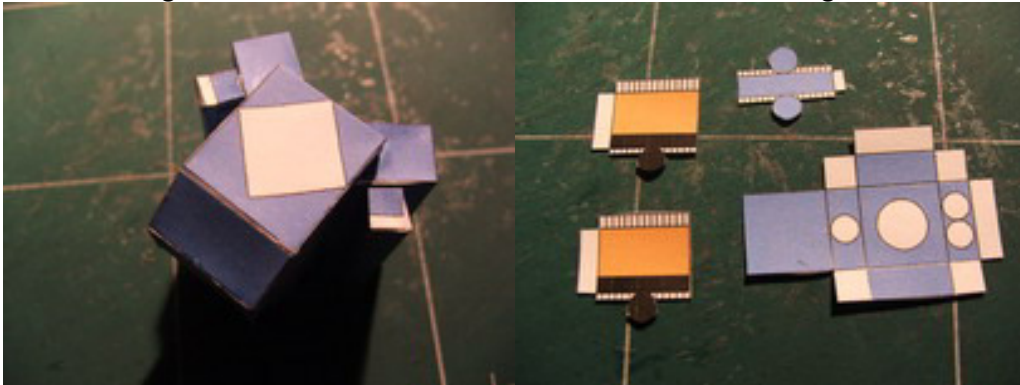
Glue item 84 to item 86 as above.

Cut fold and glue item 85 as above.



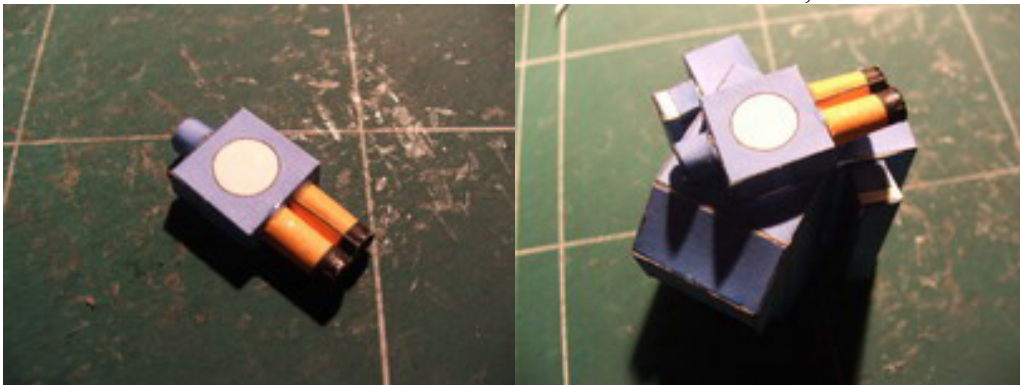
Cut fold and glue item 91 as above.

Glue item 85 and 91 together.



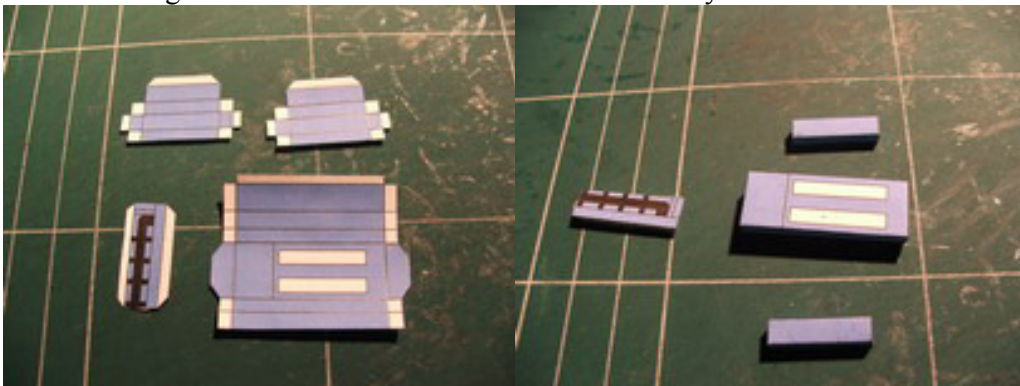
Glue items to item 84.

Cut fold roll items 95, 98 and 99.



Glue items together.

Item assembly to item 84.



Cut fold and glue items 92, 96 and 97 as above.

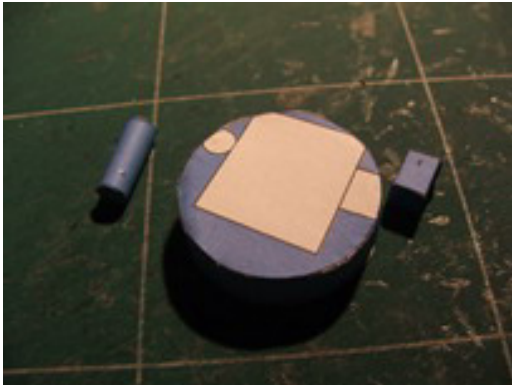




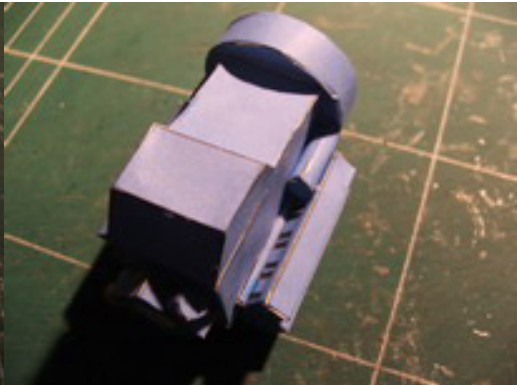
Glue items to item 84 as above.



Cut items 88, 89 and 90 as above.

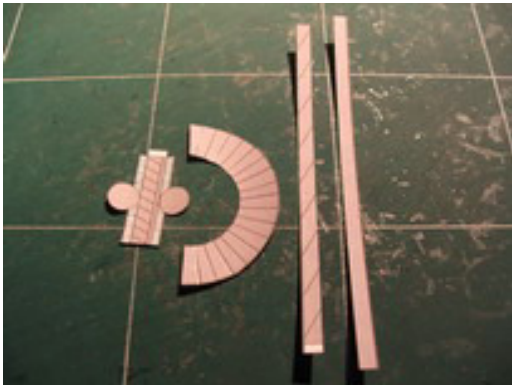


Glue items as above.

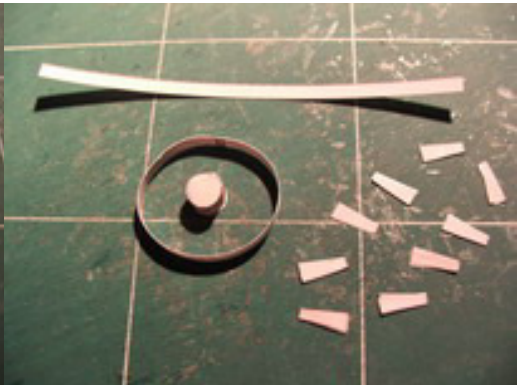


Glue items to item 84 as above.

**11: Fan Assembly**



Cut items 100, 101, 102 and 103 as above.



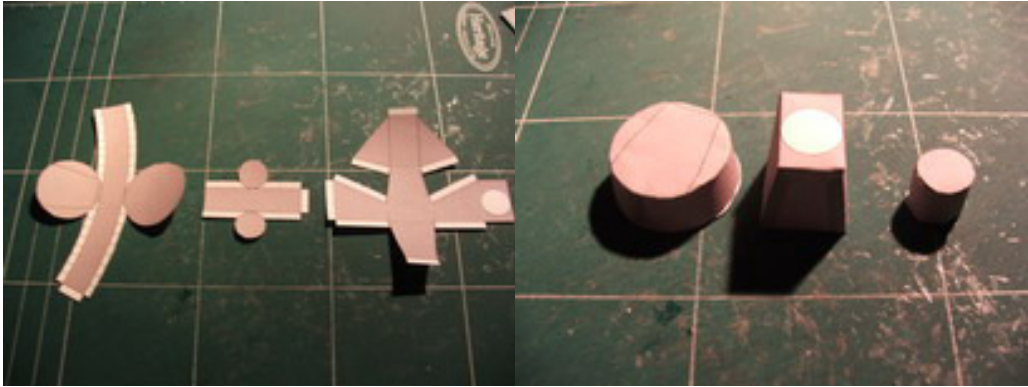
Glue item 103 and 101 together as above.



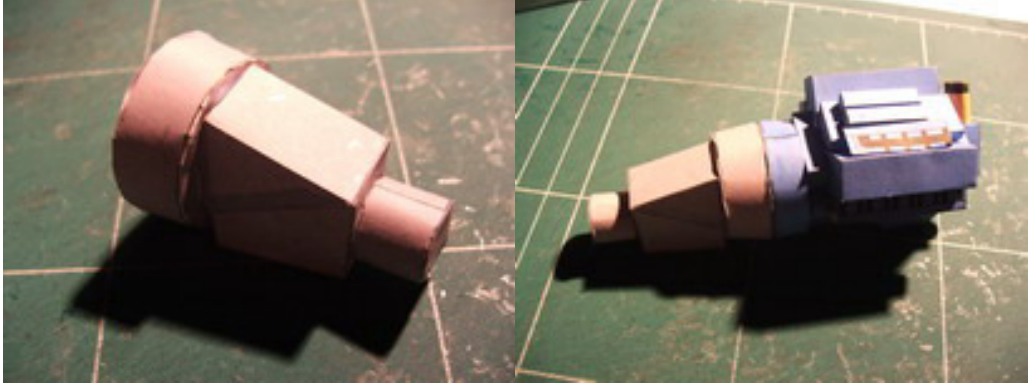


Place item 103 in the middle and glue items 102 around item 103 then to item 100.

**12: Gearbox Assembly**



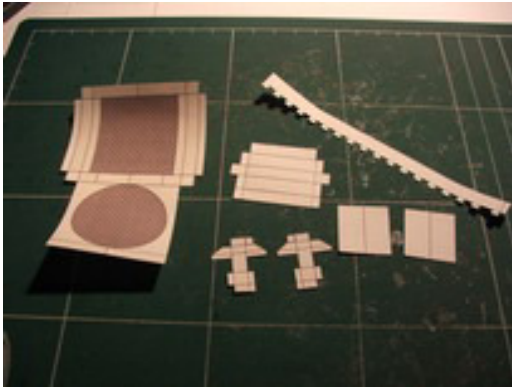
Cut fold and glue items 104, 105 and 106 as above.



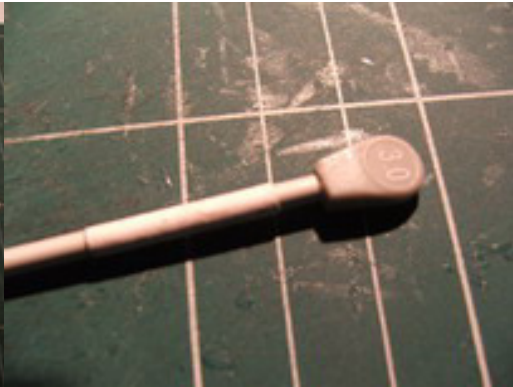
Combine the items as above.

Glue the gearbox to the engine.

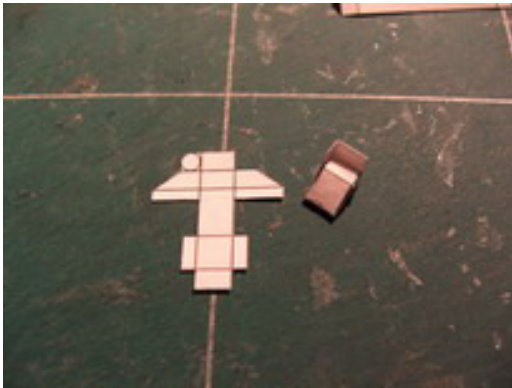
### 13: Radiator and Lubrication System Assembly



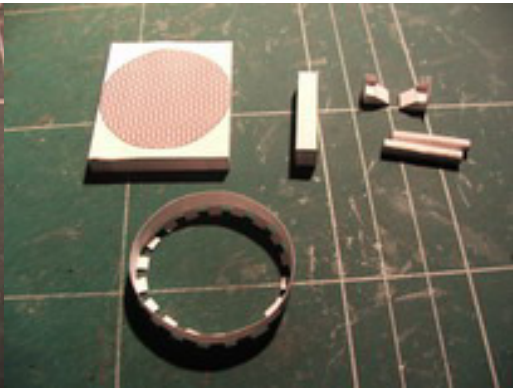
Cut items 107 to 111 out.



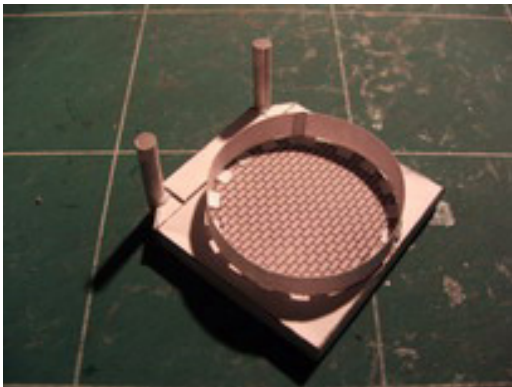
Roll and glue item 107 around a 3.0mm Needle.



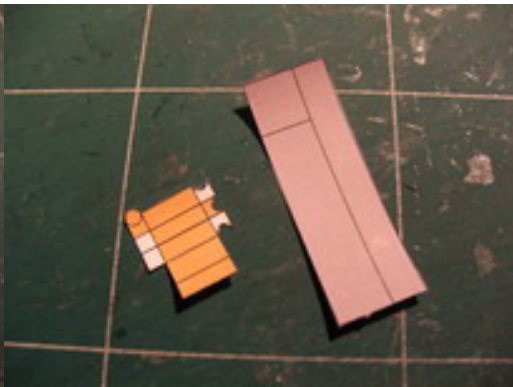
Cut and glue item 108 as above.



Cut fold and glue items 111, 110 as above.



Glue the items as above.

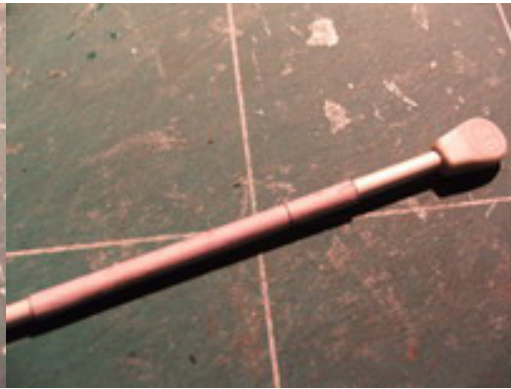


Cut items 93 and 94 out as above.





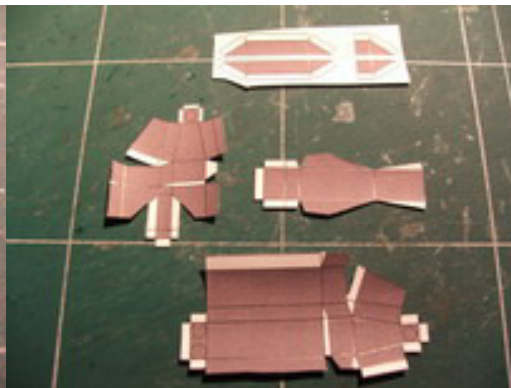
Glue item 94 as above.



Roll and glue item 93 around a 3.0mm needle.



Glue the items together as above.



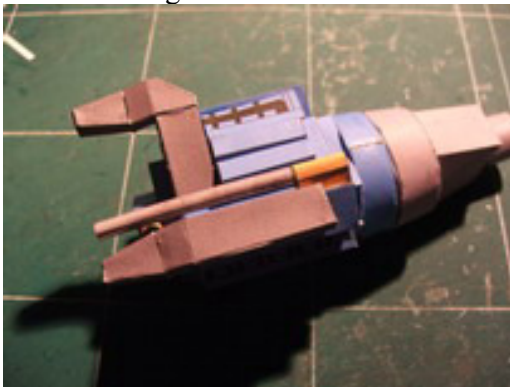
Cut and fold items 112, 113, 114, 117 and 118 out as above.



Glue items together as above.



Glue parts to the engine.

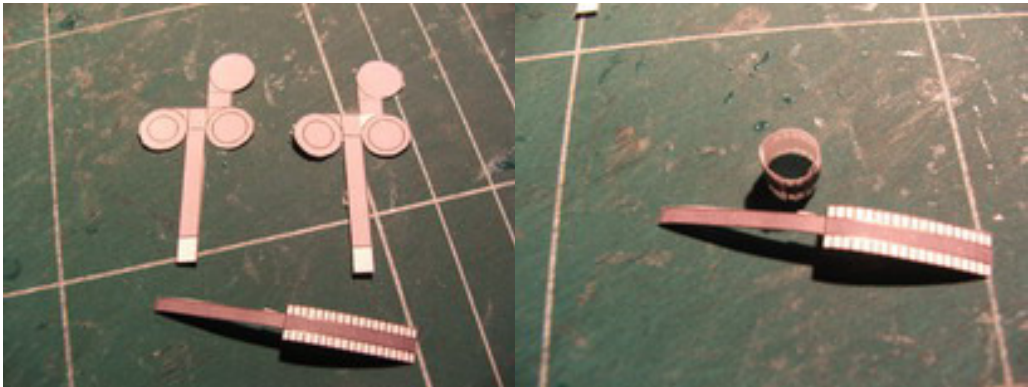


Glue item 94 to engine as above.



Glue fan to engine.



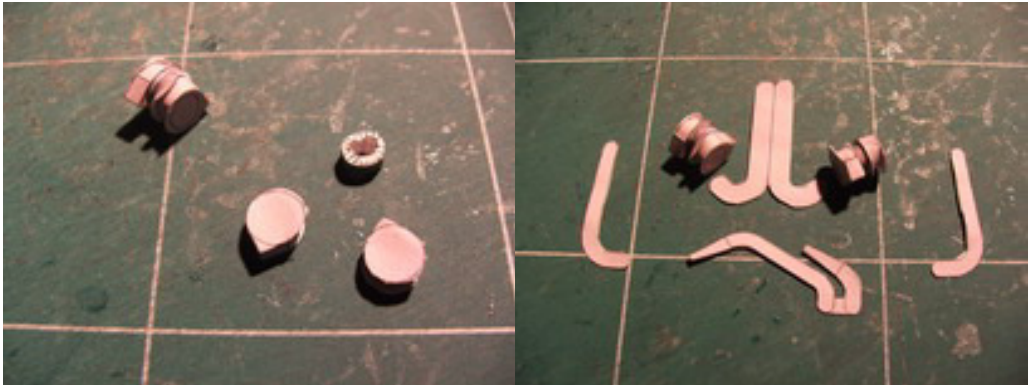


Cut items 115 and 116 out.

Glue item 116 as above.

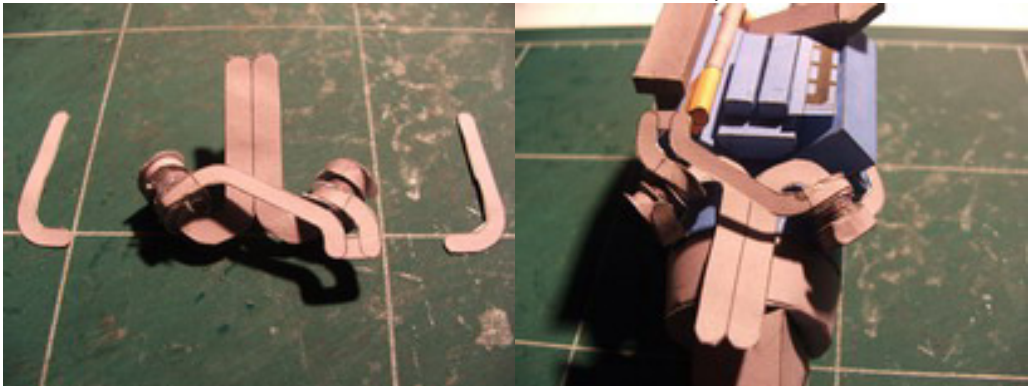


Glue item 115 as above.



Glue items 115 and 116 as above.

Cut items 119, 120 and 121 as above.

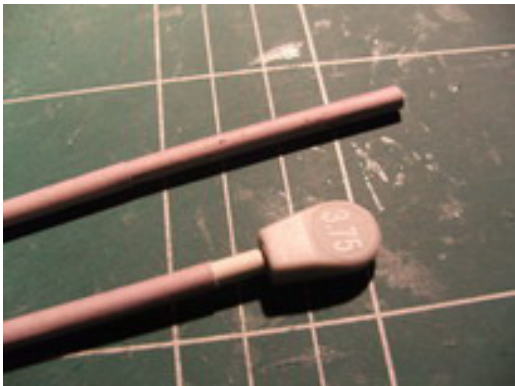


Glue items together as above.

Then glue to engine.



**14: Prop Shaft and Engine Assembly to Chassis**



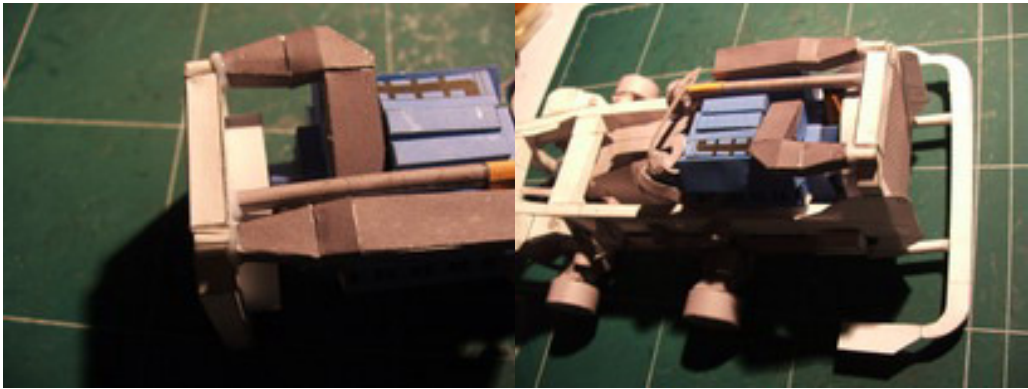
Cut and roll items 262 and 263 together around a 3.75mm needle. Glue together to come up the correct length of prop shafts.

Glue short prop shaft to diff's.

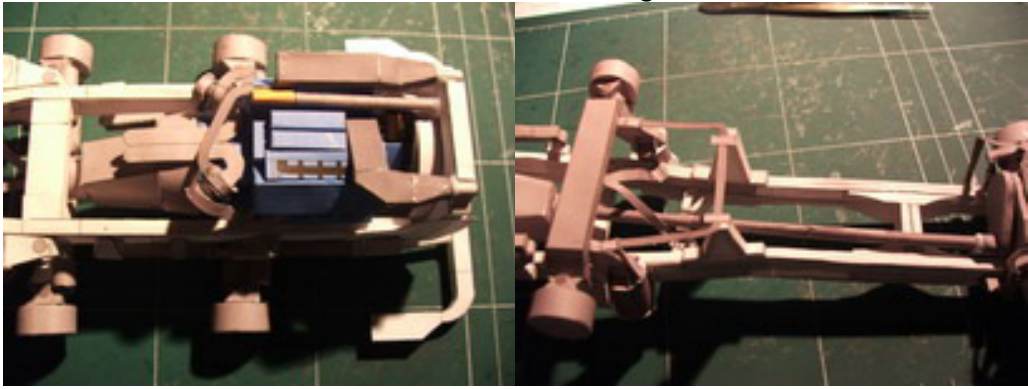


Glue Cooler to engine.

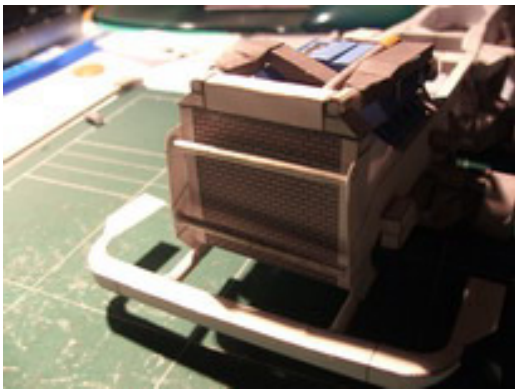




Glue engine into the chassis.



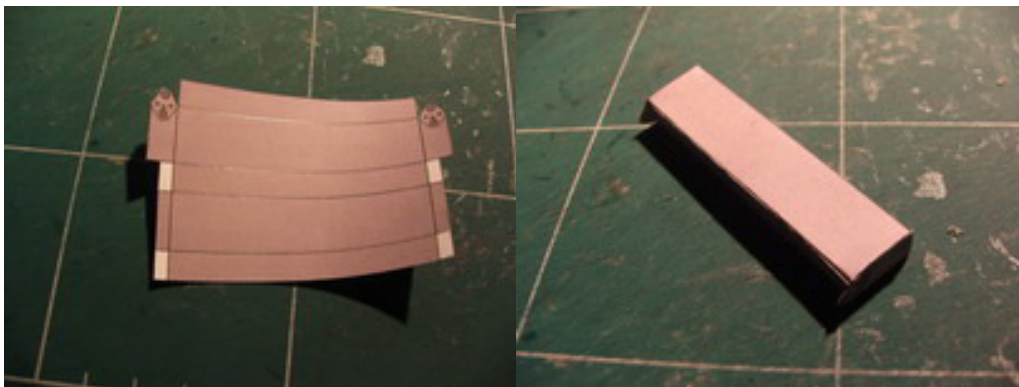
Glue long prop shaft to diff and engine.



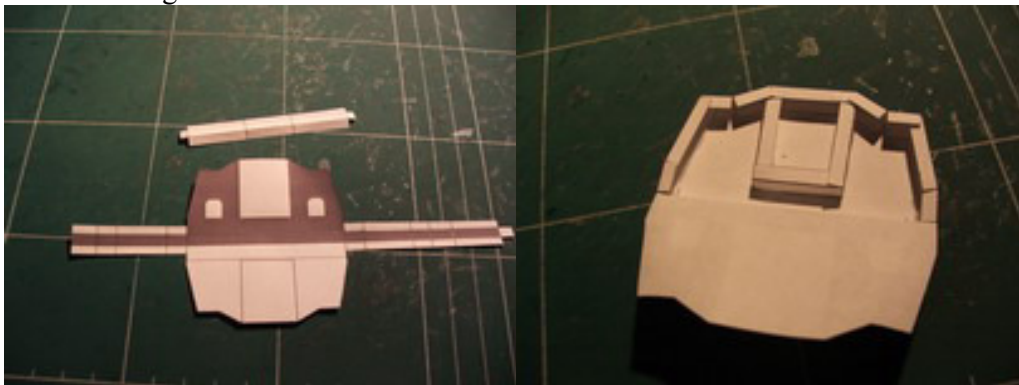
Glue item 4 to chassis as above.



### 15: Front Grill Assembly



Cut fold and glue item 180 as above.



Cut fold and glue items 181 and 185 as seen, item 185 is to be glued in the above way.



Glue item 181 closed.

Cut items 179, 183, 186, 272 as above.

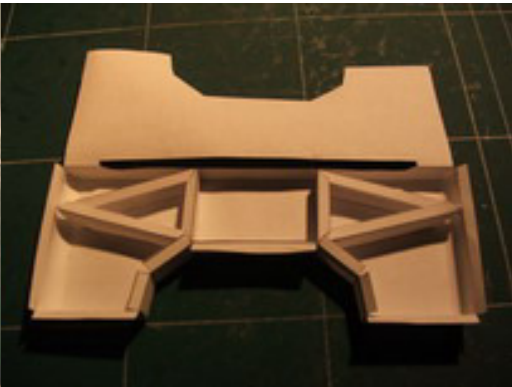


Fold and glue item 183 as above.

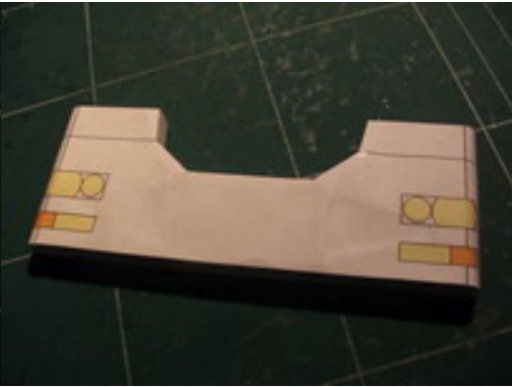
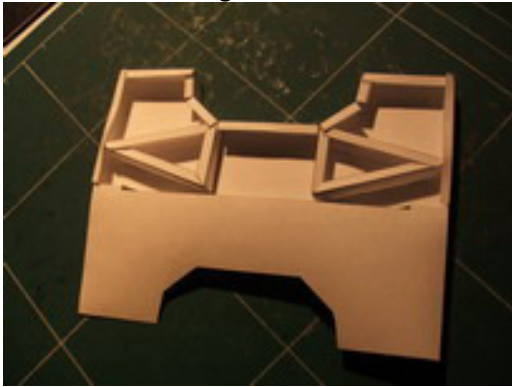
Fold and glue items 179 as above.



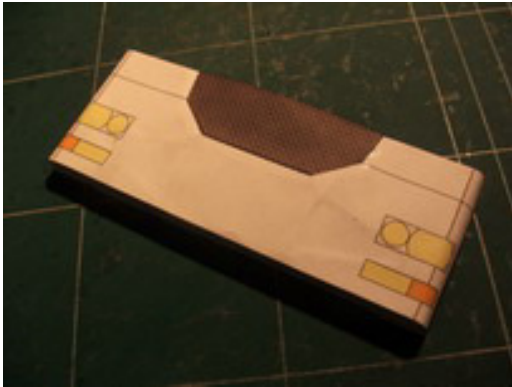
Glue items 179 together as above.



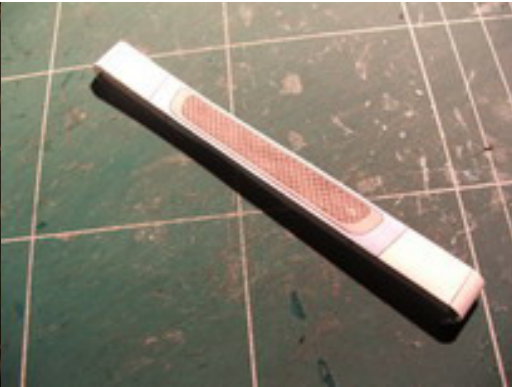
Glue item 179 into 183 as above.



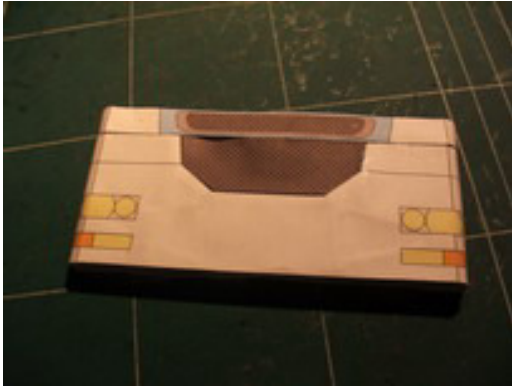
Glue item 183 closed.



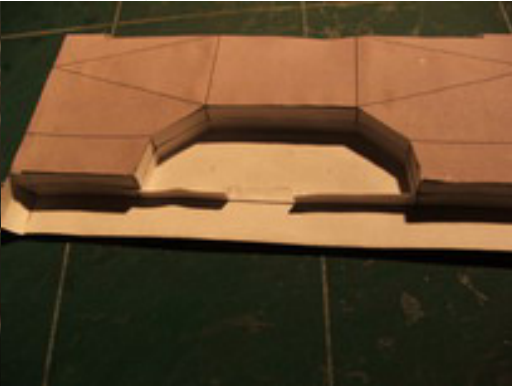
Glue item 272 onto item 183



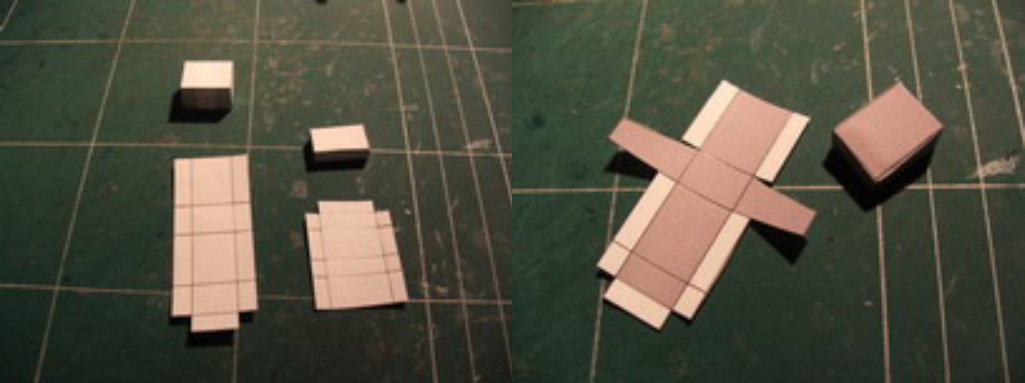
Cut and fold item 186 in half and glue  
As above, round the ends off.



Glue item 186 to item 183 as above.

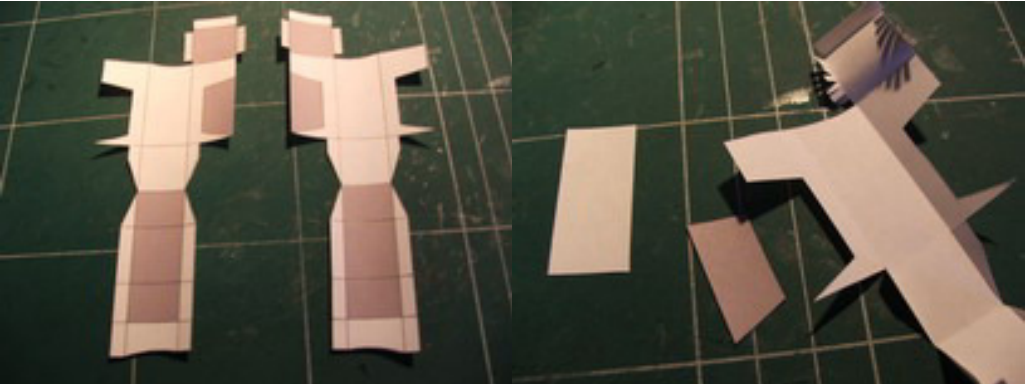


**16: Front Wheel Arches Assembly**



Cut fold and glue items 215 and 218 as above.

Cut fold and glue item 216 as above.



Cut items 219 as above.

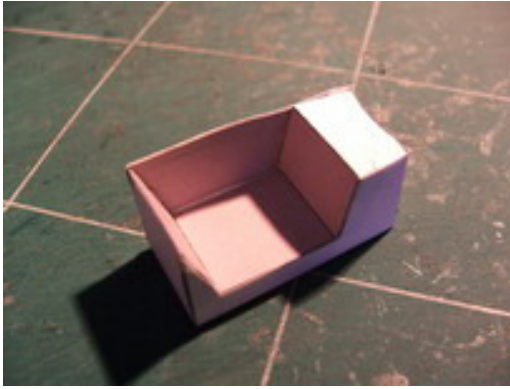
Cut the gray block as above, also cut item 219a out to glue as a patch.



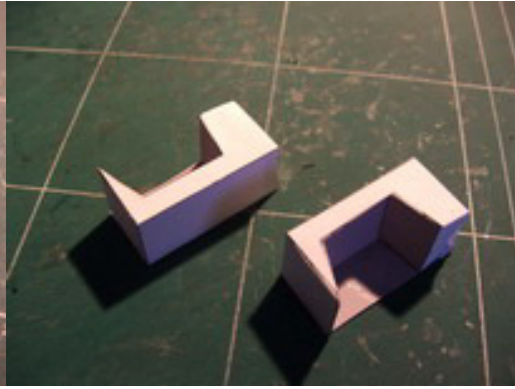
Glue item 219 as above.

Glue item 219 as above.

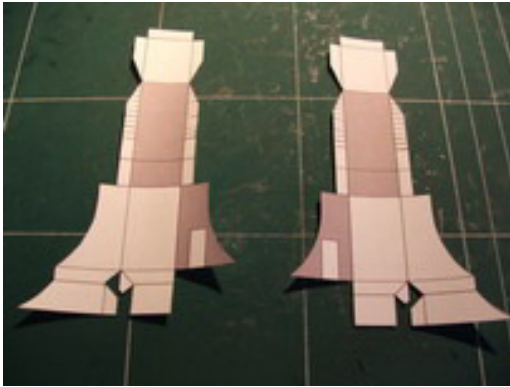




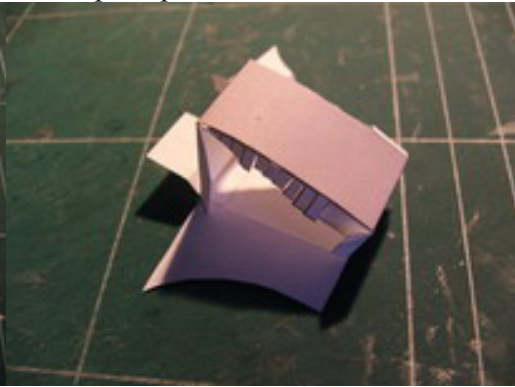
Glue item 219 closed as above.



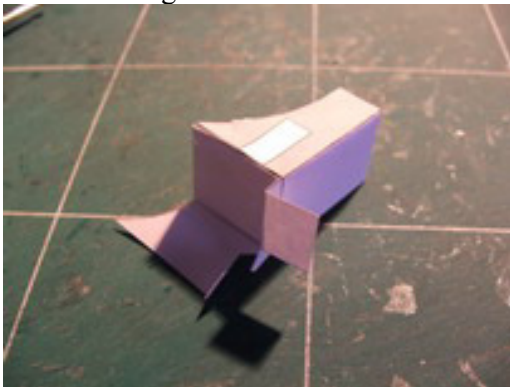
Complete pair of item 219's.



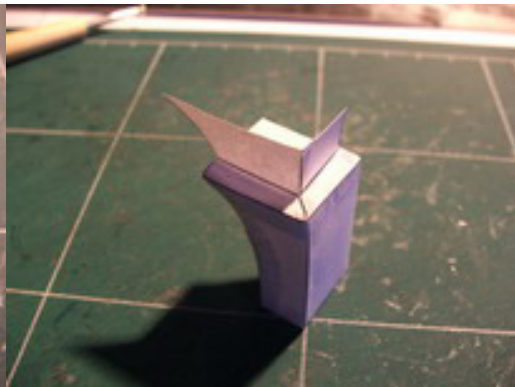
Cut fold and glue item 217 as above.



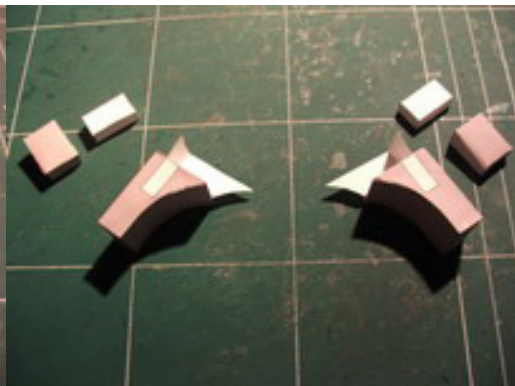
Start off as above.



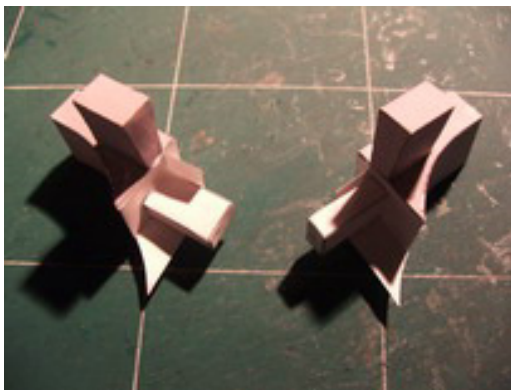
Then fold and glue to make a stepped face as above.



Completed item 217



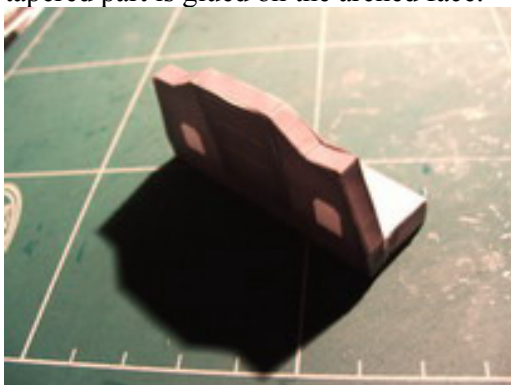
Bring items 215, 217 and 218 together.



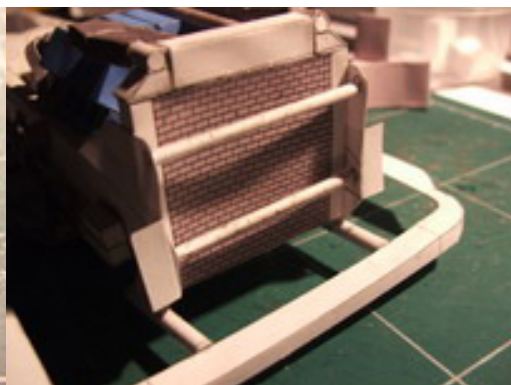
Glue the items together as above, the tapered part is glued on the arched face.



Bring items 180 and 183 together.



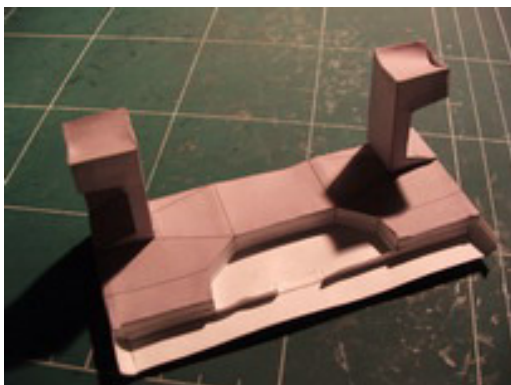
Glue items together.



Glue items 225 and 226 to the chassis.



Combine the above items as above.



Glue the items as above.

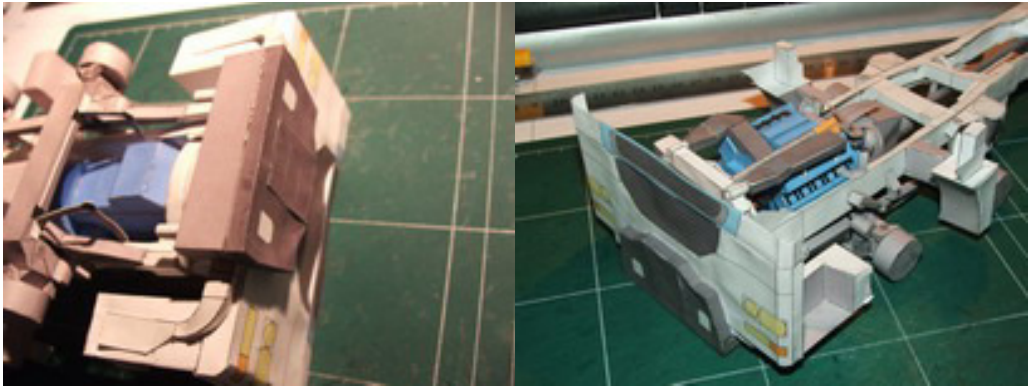


Glue the assembly to the chassis.

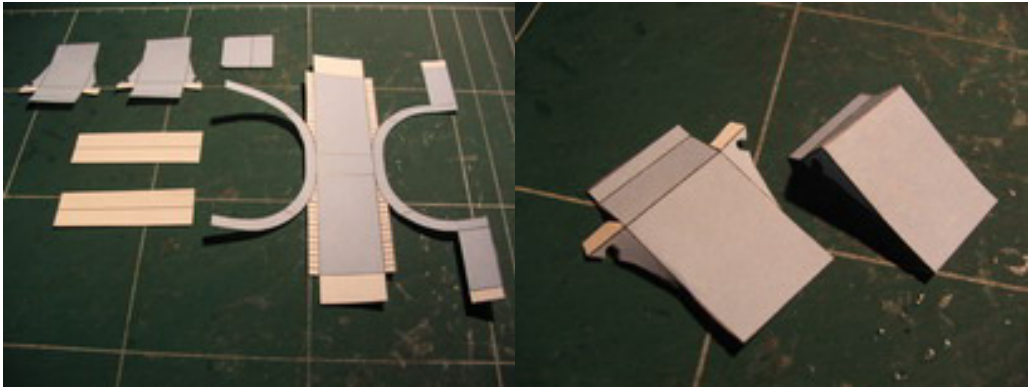




Glue items 217 to the chassis as above.

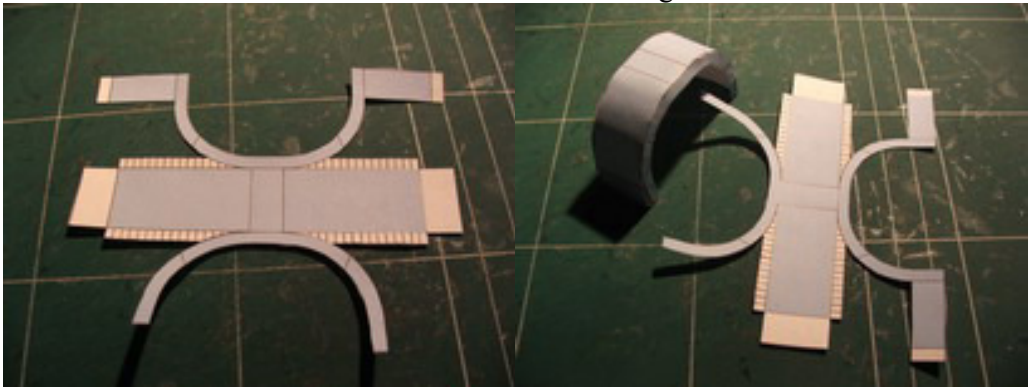


Glue item 180 to the chassis as above.



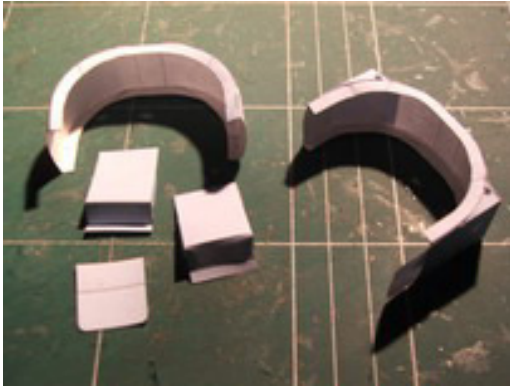
Cut items 167 to 170 as above.

Fold and glue item 169 as above.

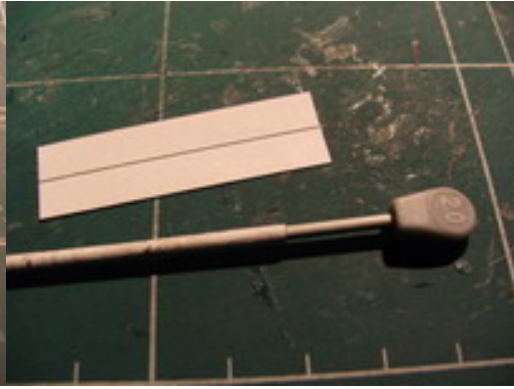


Cut and fold item 167 as above.

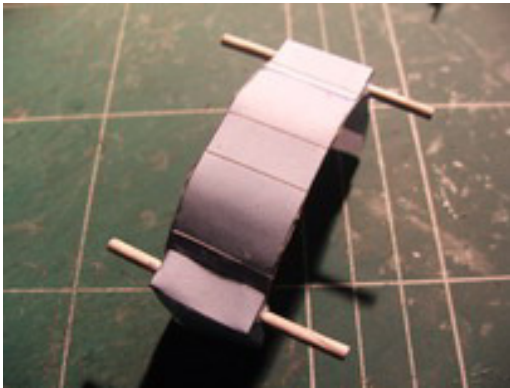




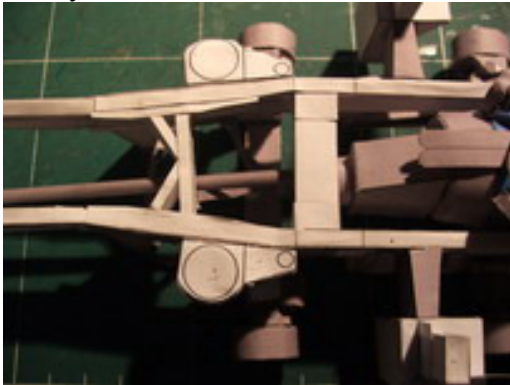
Glue items together as above.



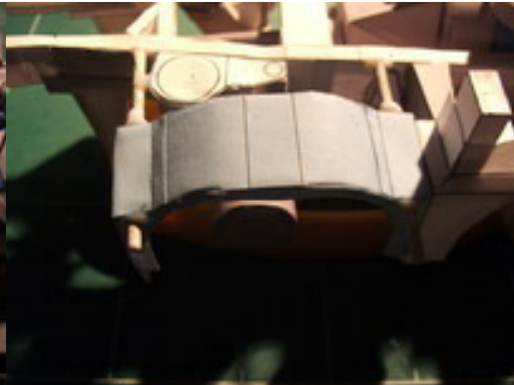
Round and glue item 170 around 2.0mm needle.



Insert item 170 in to the guard, do not Glue yet.



Again make sure that the assembly is Above for the suspension.

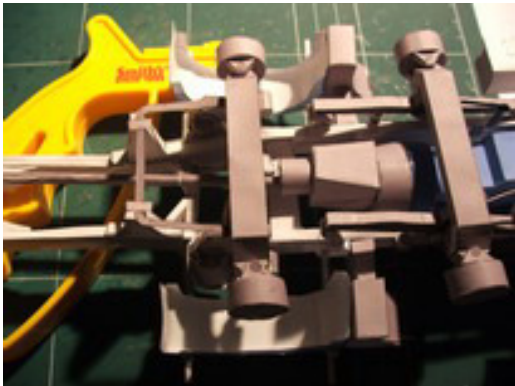


Glue the guard to the chassis as above.

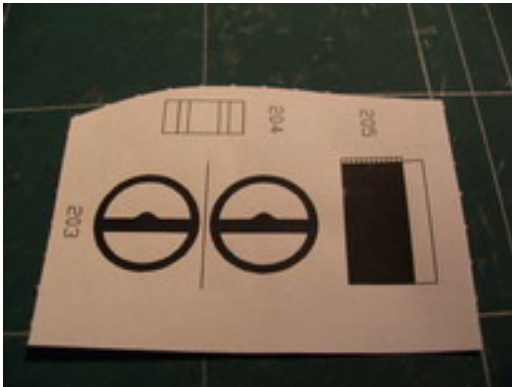


Glue the opposite side to the chassis.

Trim the item 170's to suite and let the item's dry.



**17: Cabin Interior**



Cut fold, roll and glue items 203, 204 and 205 as above.

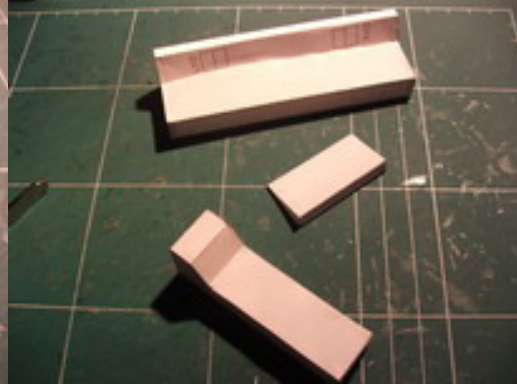


Cut, fold and glue items 271 A&B, 195 and glue as above. Then attach to dash at end.





Glue items 203 and 205 together.



Cut fold and Glue items 199, 200 and 201 as above.



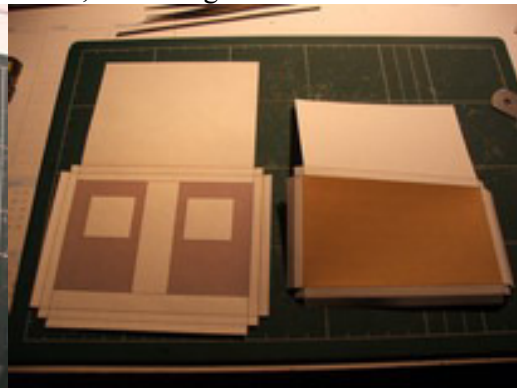
Glue the items together as above.



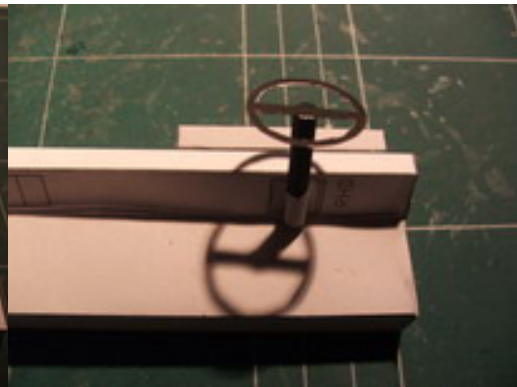
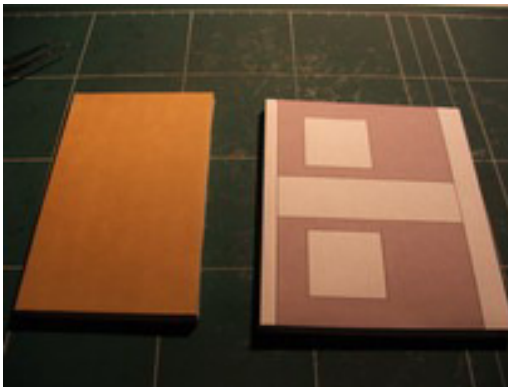
Cut, fold and glue item 198 as above.



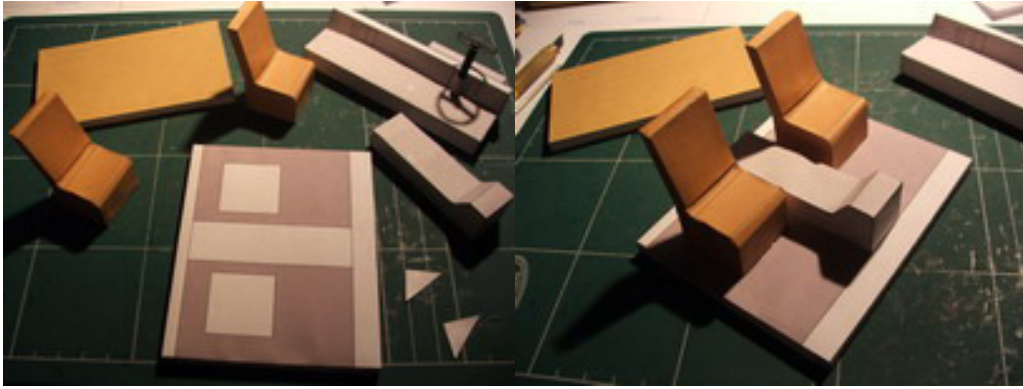
Cut fold and glue item 202 as above.



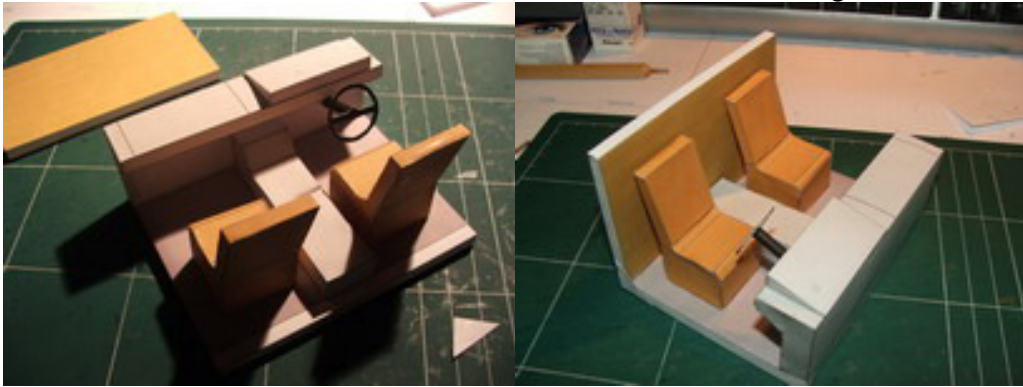
Cut , fold and glue items 196 and 197 as above.



Glue the steering wheel to the dashboard

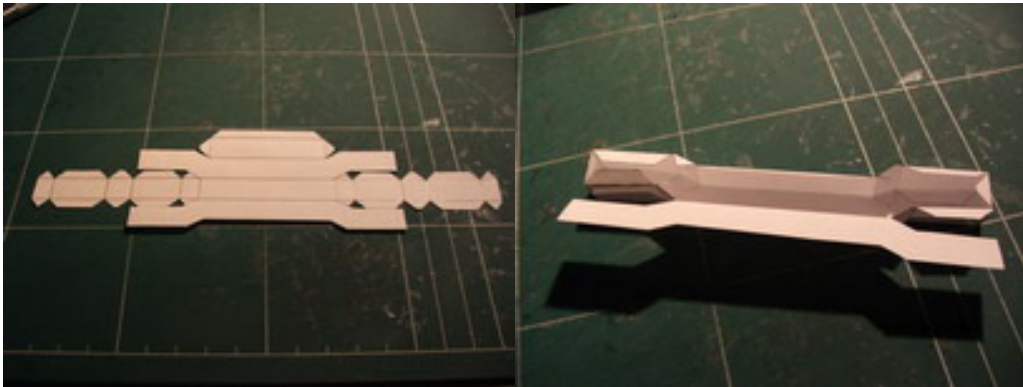


Glue the above items together as above.

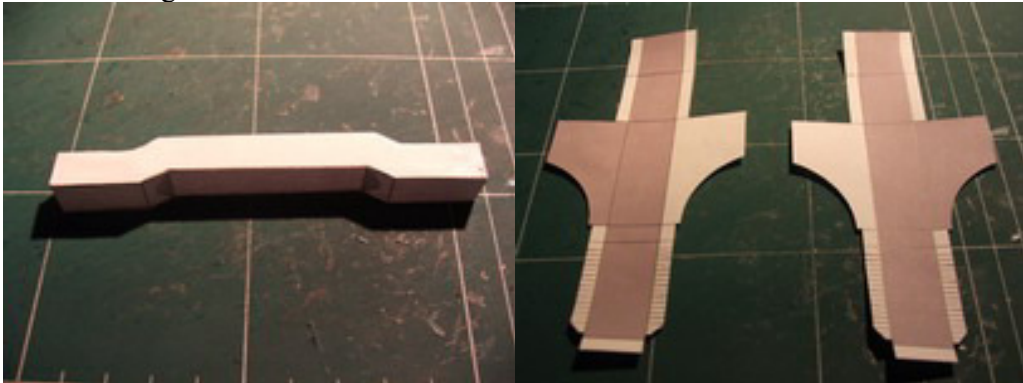


Continue to glue the items together until complete. Note dash is not shown in above.

### 18: Main Cabin



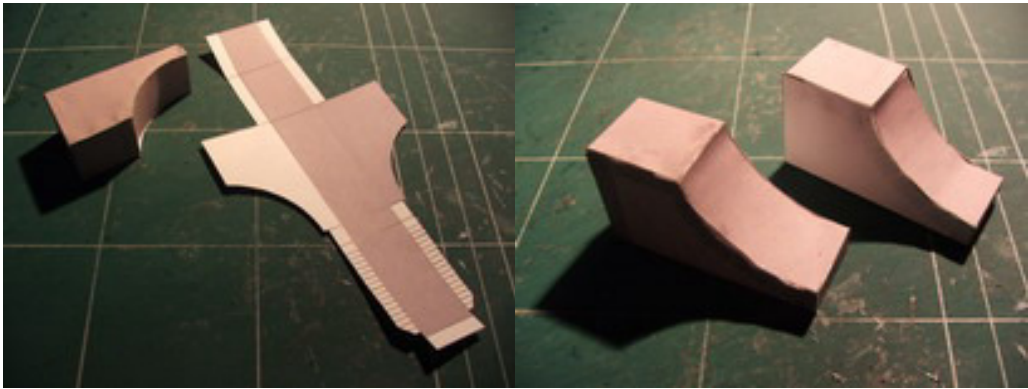
Cut fold and glue item 222 as above.



Glue item 222 closed.

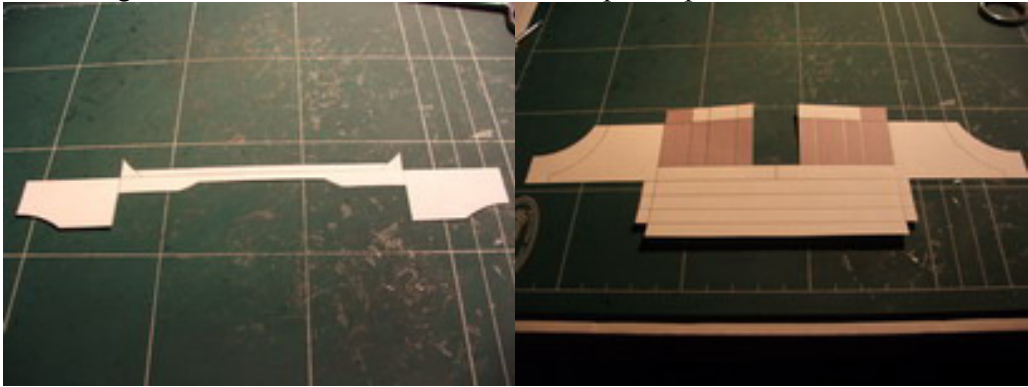
Cut item 206 as above.





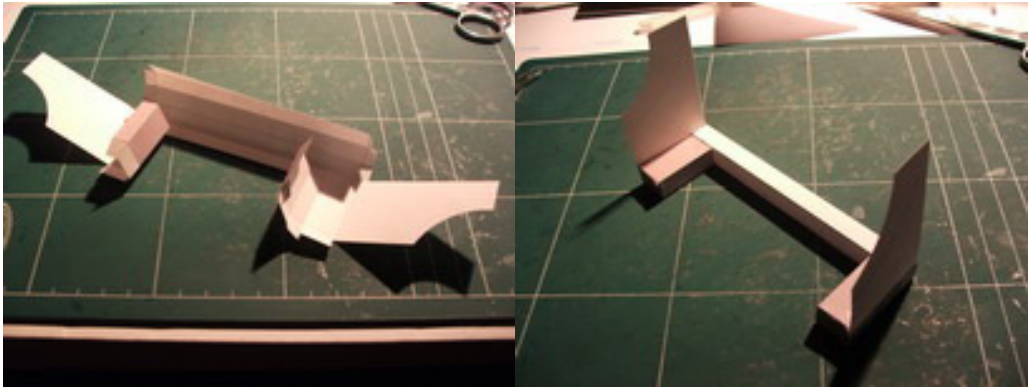
Fold and glue item 206 as above.

Completed pair.

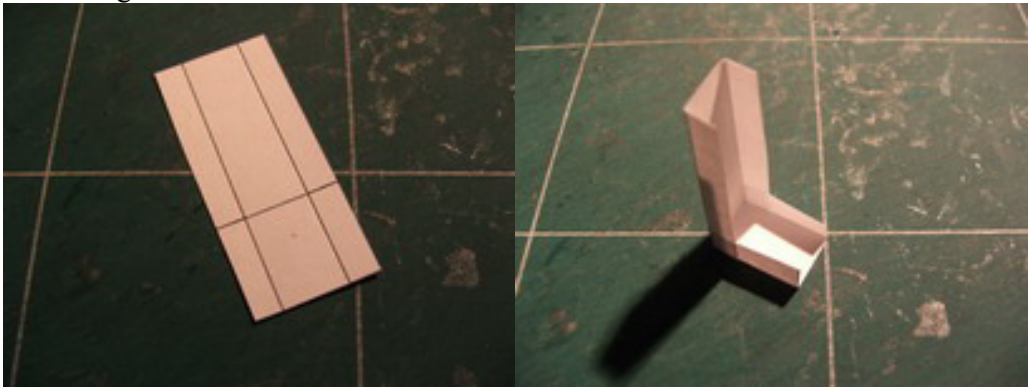


Cut item 210 as above.

Cut item 209 as above.



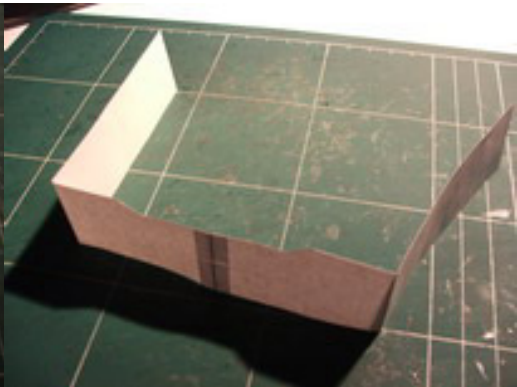
Fold and glue item 209 as above until finished as above.



Cut fold and glue item 221 as above.



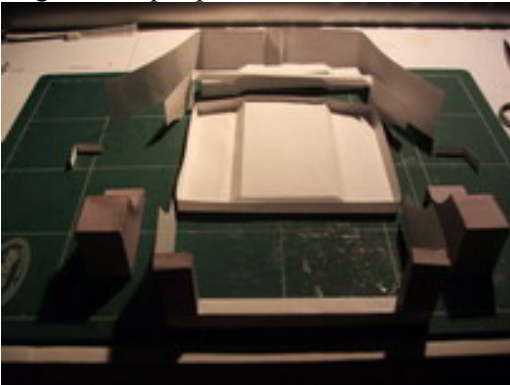
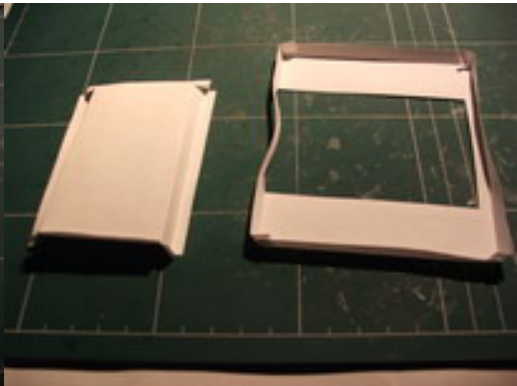
Cut items 223 and 224 out.



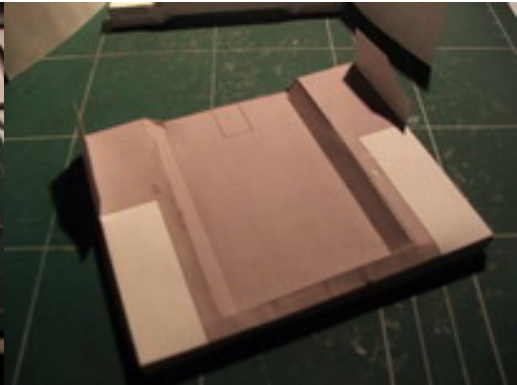
Fold and glue items 223 and 224 out  
As above.



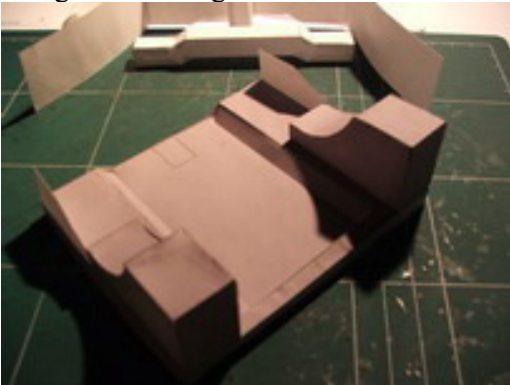
Cut and fold items 207 and 208 out as above make sure to fold carefully, glue items  
Together as per picture below.



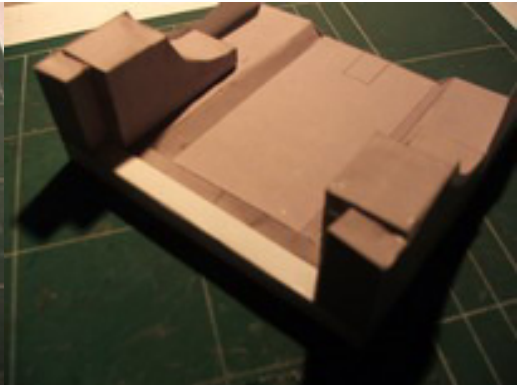
Bring all items together.



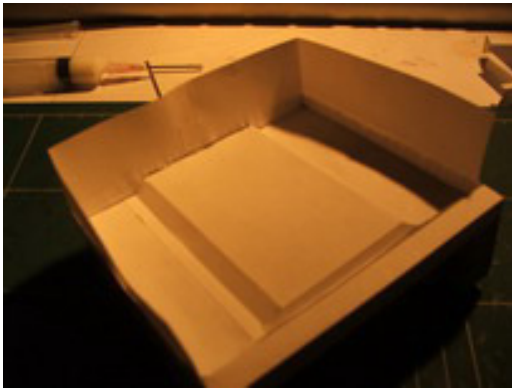
Glue items 208 and 209 as above.



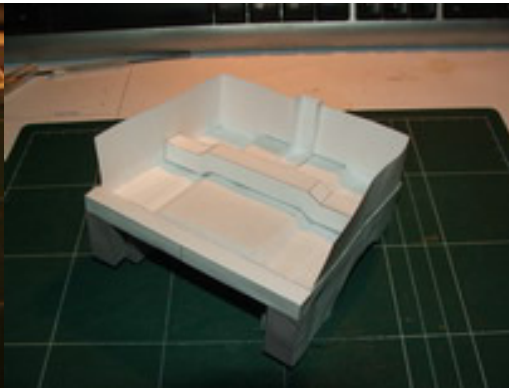
Glue items 206 to item 208.



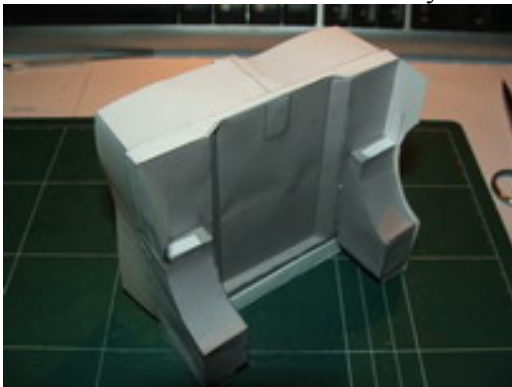




Glue items 203 and 240 to assembly



Glue item 222 to the assembly.



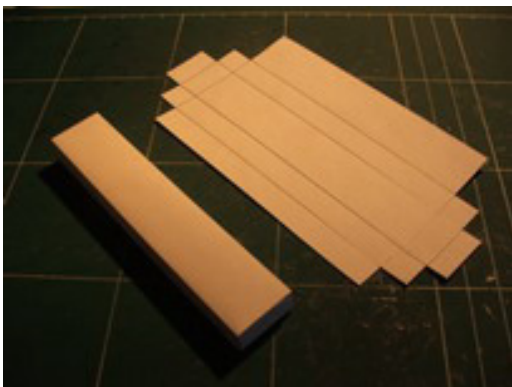
Cut items 212, 213 and 214 as above.



Fold and glue items as above.



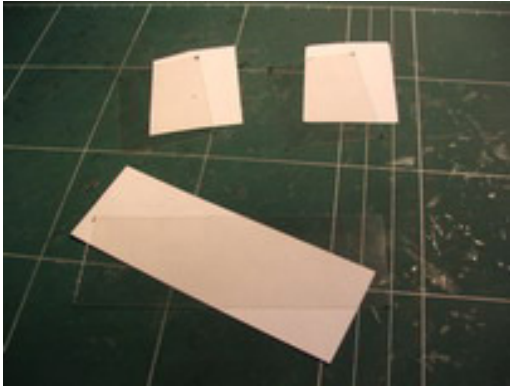
Glue the items together as above.  
After the assembly of the part carefully  
Bend and move the part as to pivot.



Cut fold and glue items 190 as above.



Cut the window templates out



Cut the clear plastic out as per the templates.



Cut item 189 as above.



Fold and roll item 189 as above.



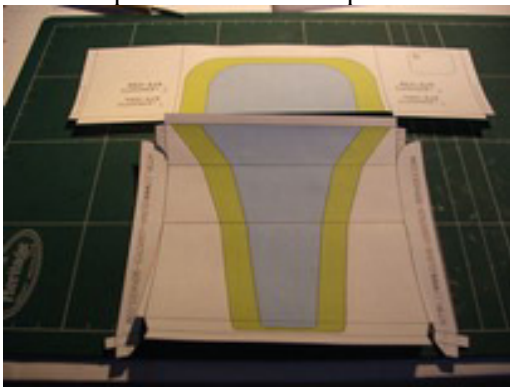
Cut the light blue windows out.



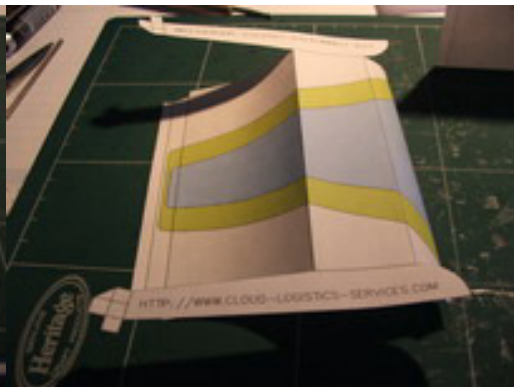
Glue the plastic windows in place.



Glue item 189 as above.



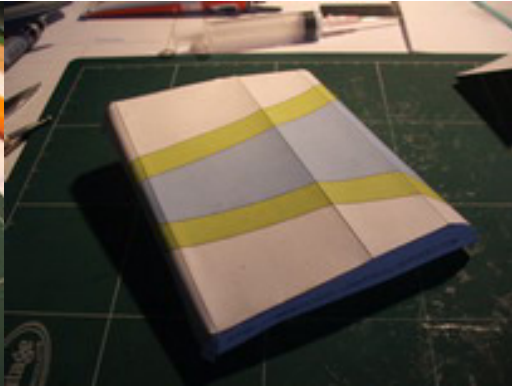
Cut and fold items 187 and 188 as above.



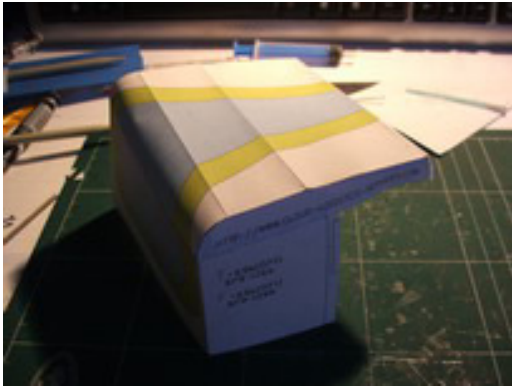




Fold item 187



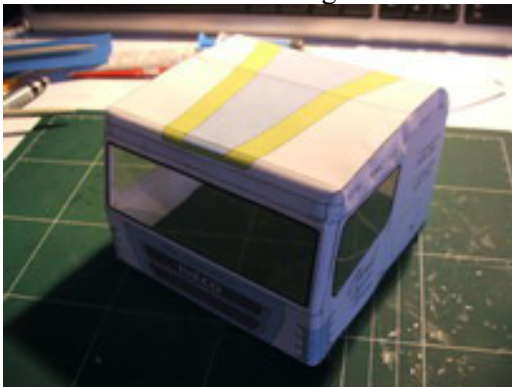
Fold and glue item 188 as above.



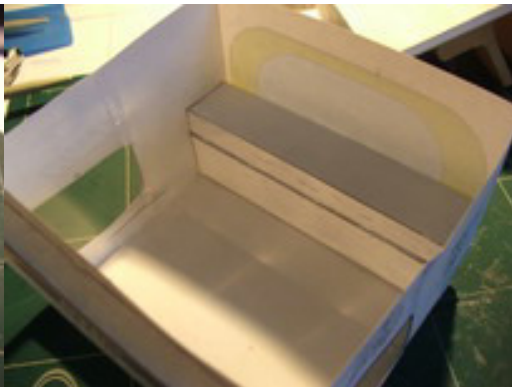
Glue items 187 and 188 together.



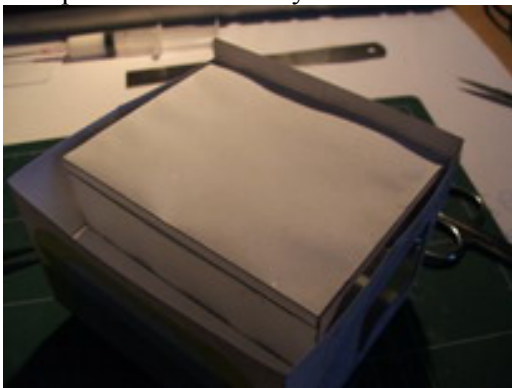
Glue item 189 to item 187/188.



Completed sub-assembly.



Glue items 190 to the sub-assembly.

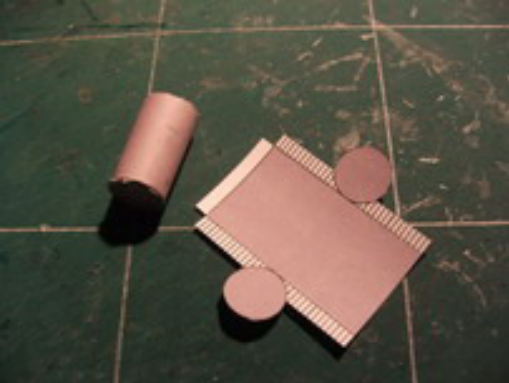


Glue the interior cab to the sub-assembly

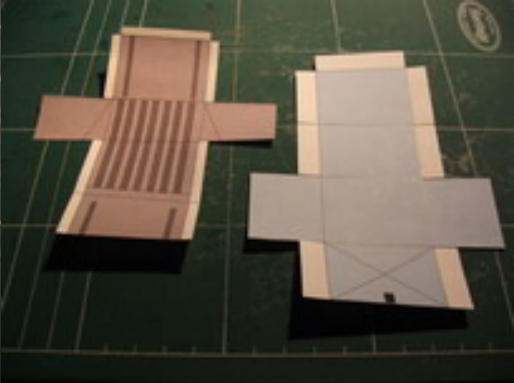


Glue the lower cab half to the upper half.

**19: Booster System**



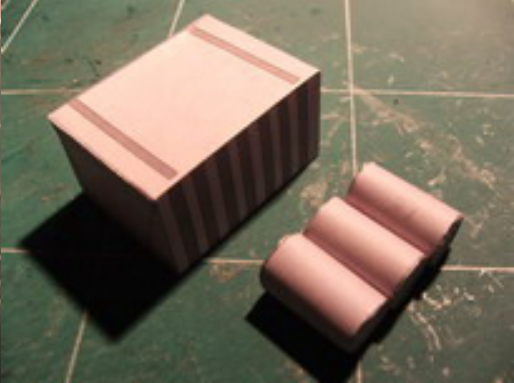
Cut roll and glue item's 227 together.



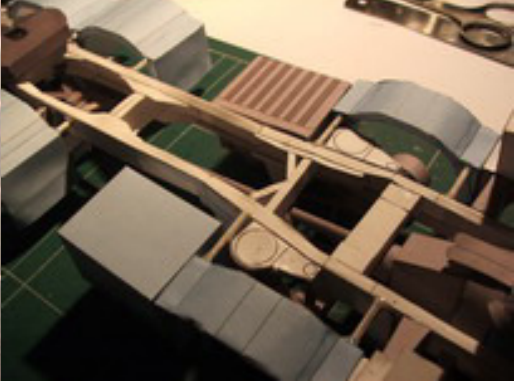
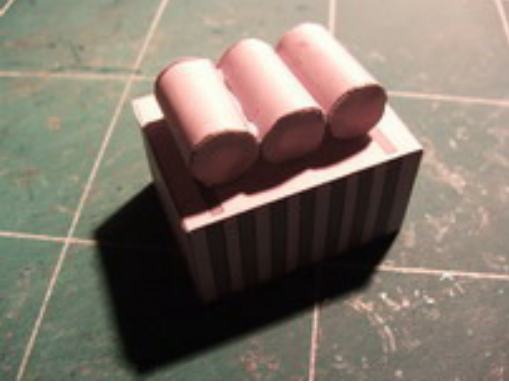
Cut items 228 and 229 out.



Fold and glue items 228 and 229 out.



Glue items together.



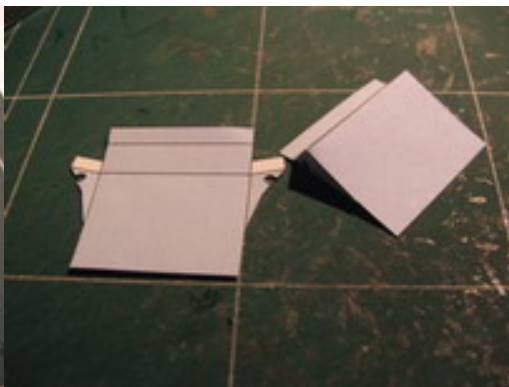
Glue the booster parts to the chassis.



## 20: Rear Wheel Arches



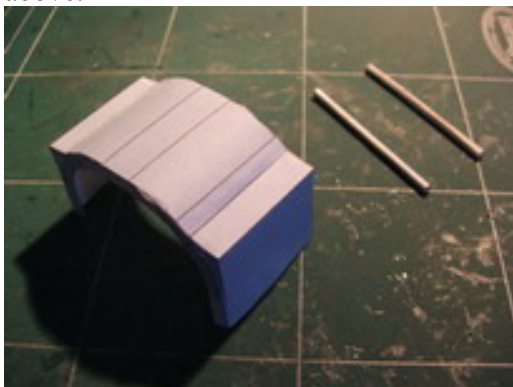
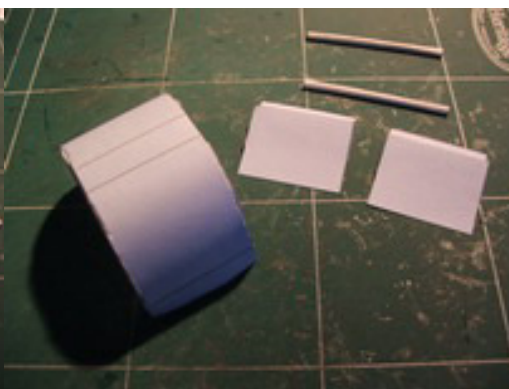
Cut and roll items 173 and 175 around a 2.0mm needle.



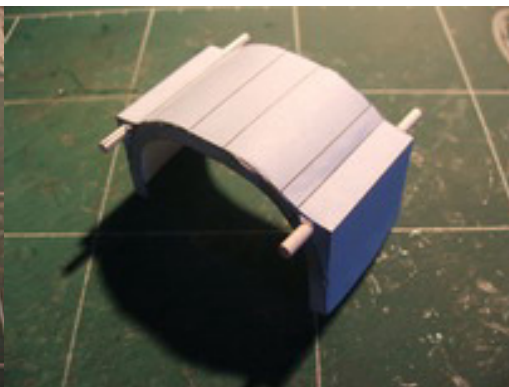
Cut fold and glue item 172, 176 as seen.



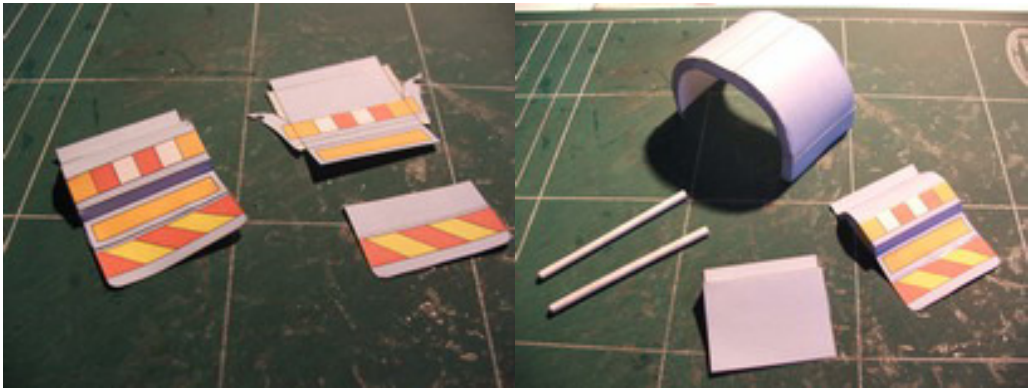
Cut fold and glue item's 171 & 174 as above.



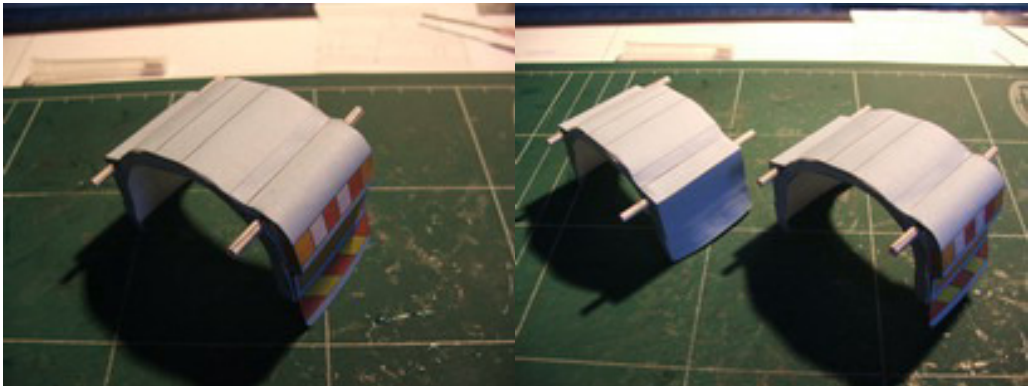
Glue items 167 and 169 together as above.



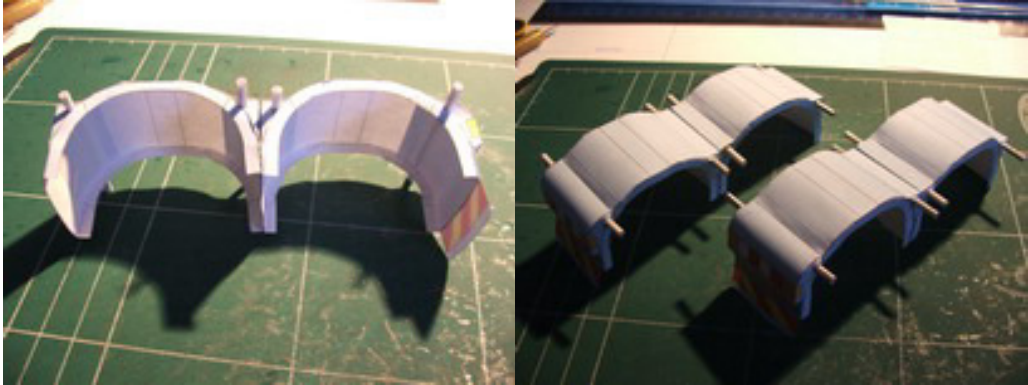
Insert items 170 into guard, again do not Glue yet.



Cut fold and glue items 177 and 178  
As above.



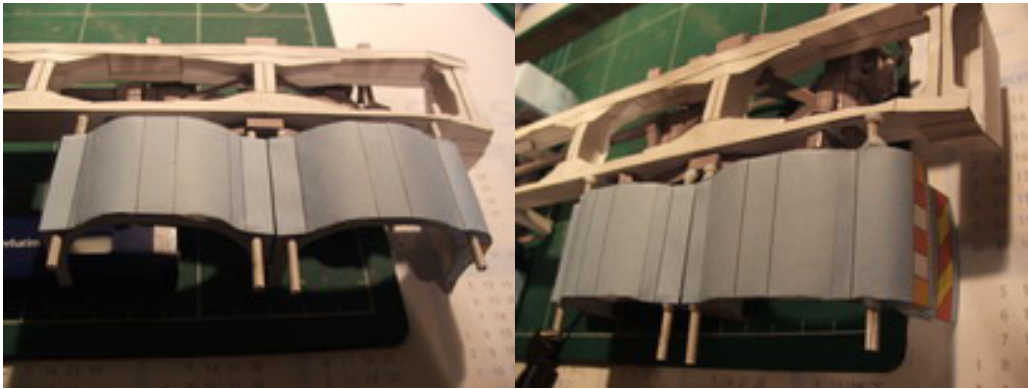
Glue items 174, 177 and 176 as above.  
Again insert item 175 in the guard no  
Gluing yet.



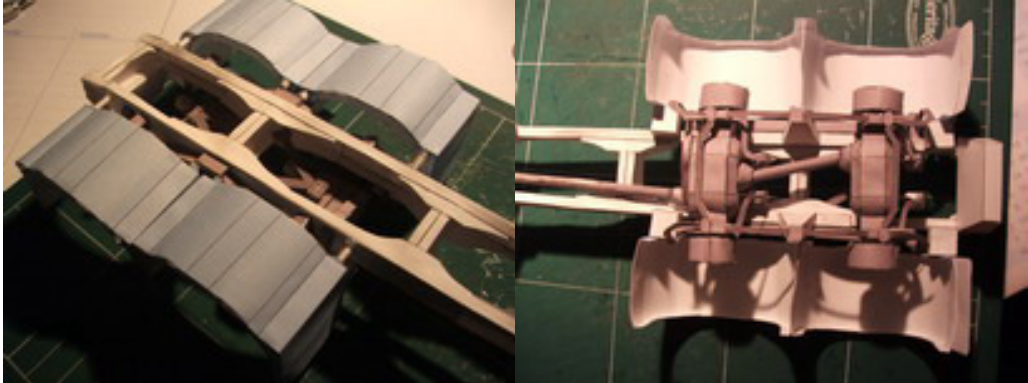
Glue the two guards together.

Completed set.





Glue the guards to the chassis



Completed assembly.

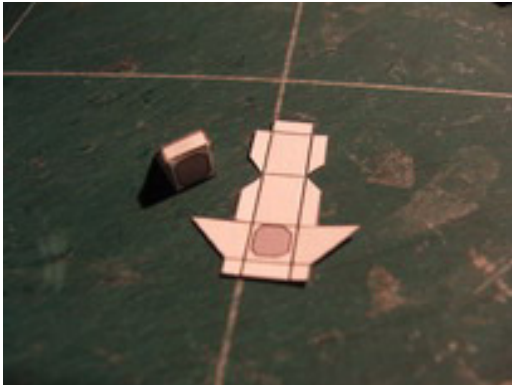
**21: External Rack System**



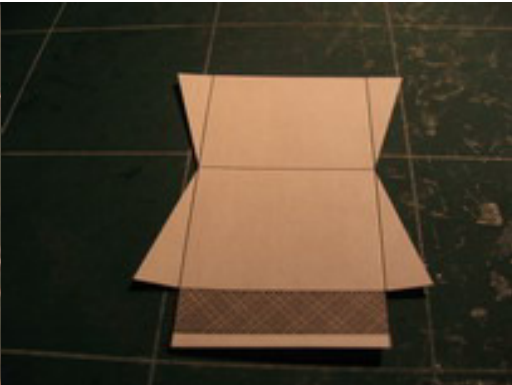
Cut fold and glue items 160 to 166 together  
As above.



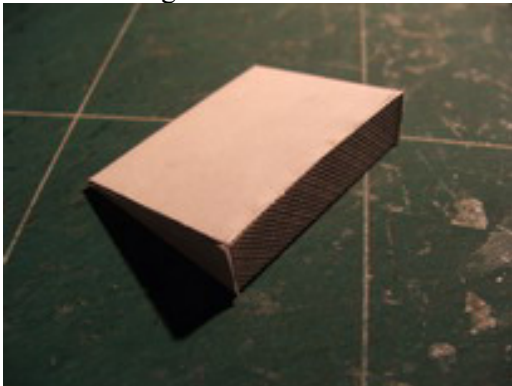
Cut fold and glue item 124 and 133  
together as above.



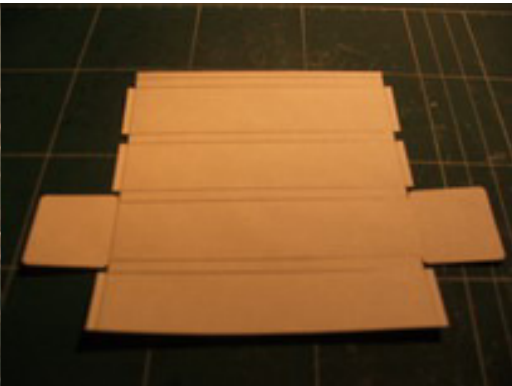
Cut fold and glue item 125 as above.



Cut item 132 out.



Fold and glue item 132 as above.



Cut item 131 out.



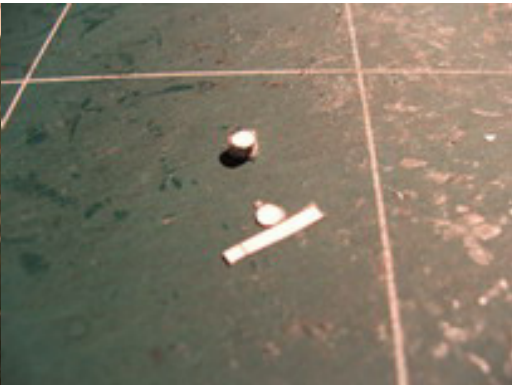
Fold roll and glue item 132 as above.



Cut item 127 out.



Fold roll and glue item 127 as above.

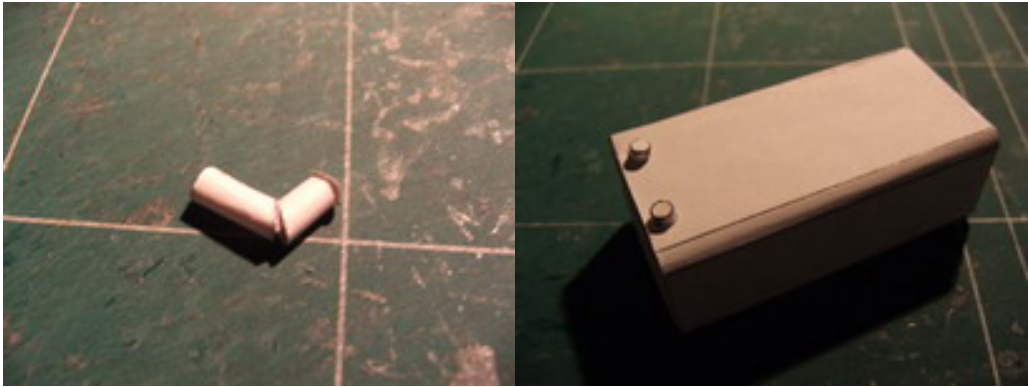


Cut fold and glue item 126 as above.



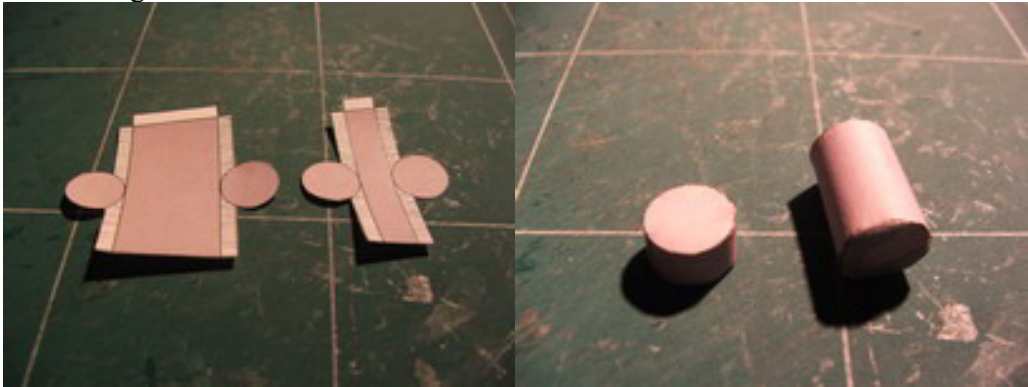


Cut fold and roll items 128, 129 and 130 out as above.

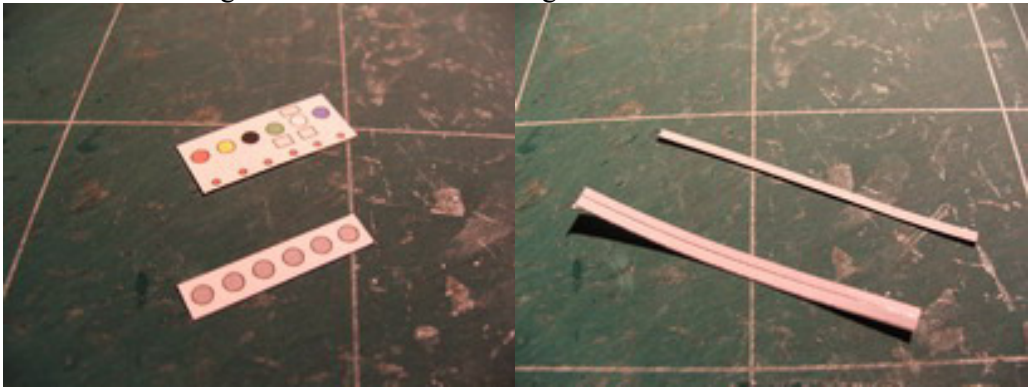


Glue all together as above.

Glue items 126 to 127.

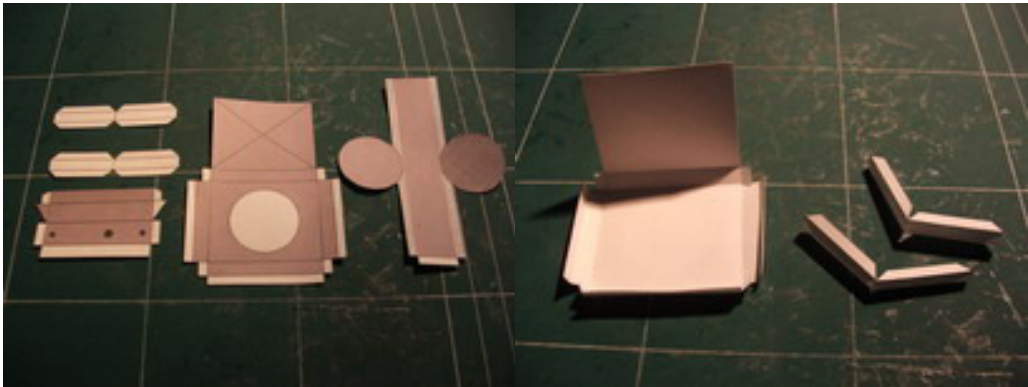


Cut fold Roll and glue item's 122 and 123 together as above.



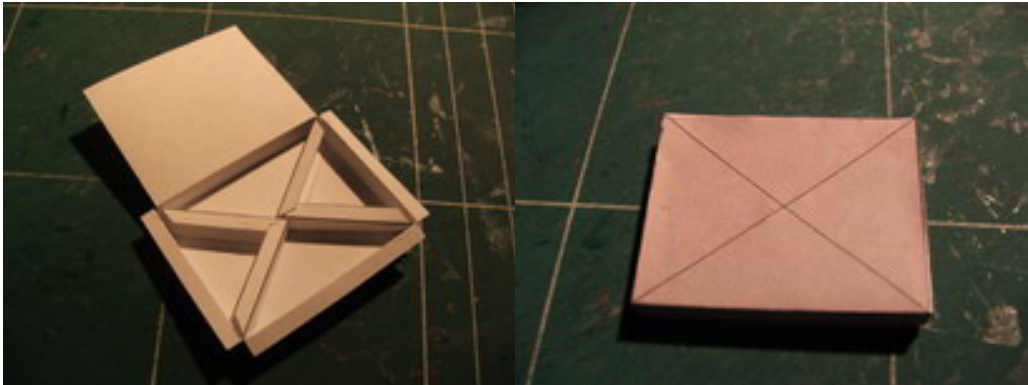
Cut items 138 and 139 out.

Cut fold and glue item's 141 together.



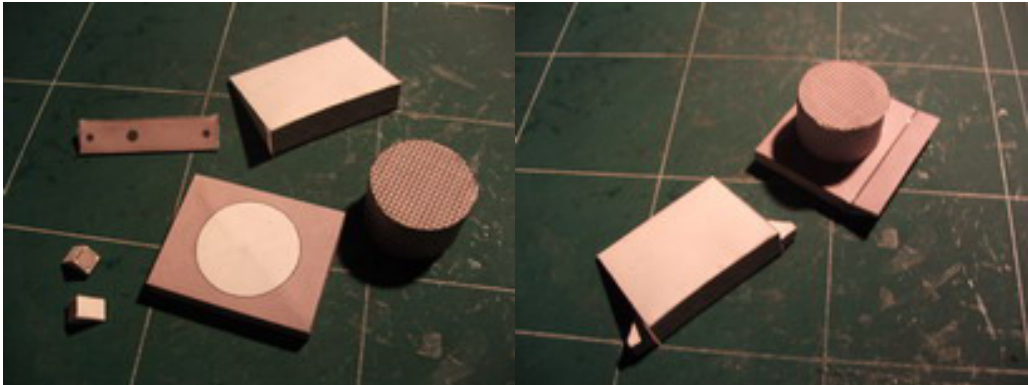
Cut items 142 – 145 out.

Fold items 143 and 145 as above.



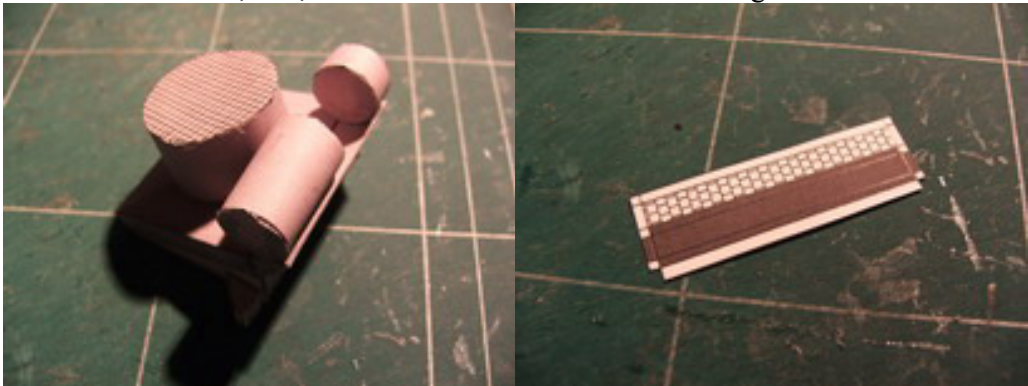
Glue items 143 and 145 out as above.

Glue item 145 closed.



Combine items 142, 145, 144 and 125.

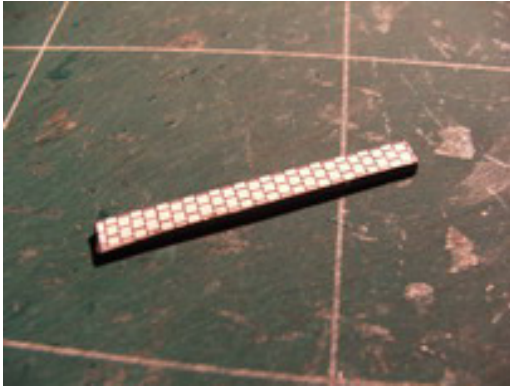
Glue the items together as above.



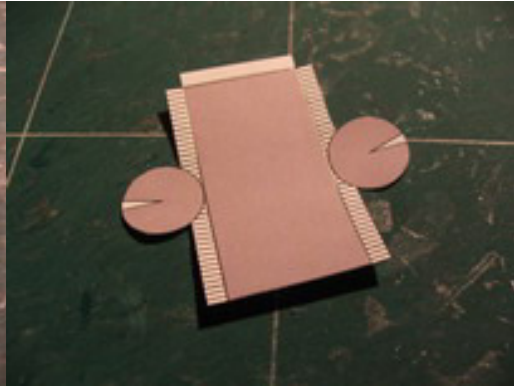
Glue items 122 and 123 to the assembly.

Cut item 140 out.





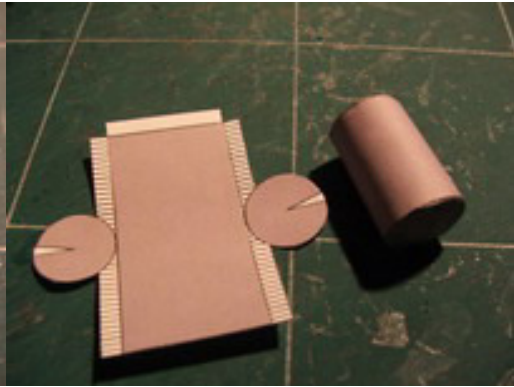
Glue item 140 as above.



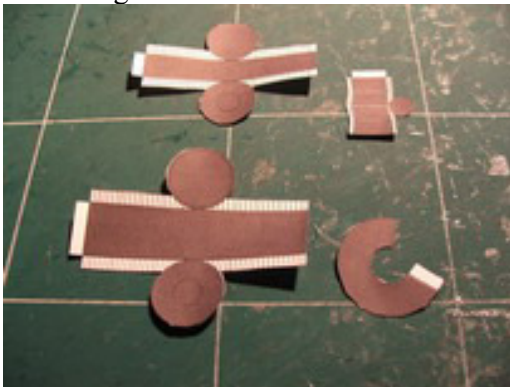
Cut item 134 out.



Roll and glue item 134 as above.



Glue item 134 closed as above.



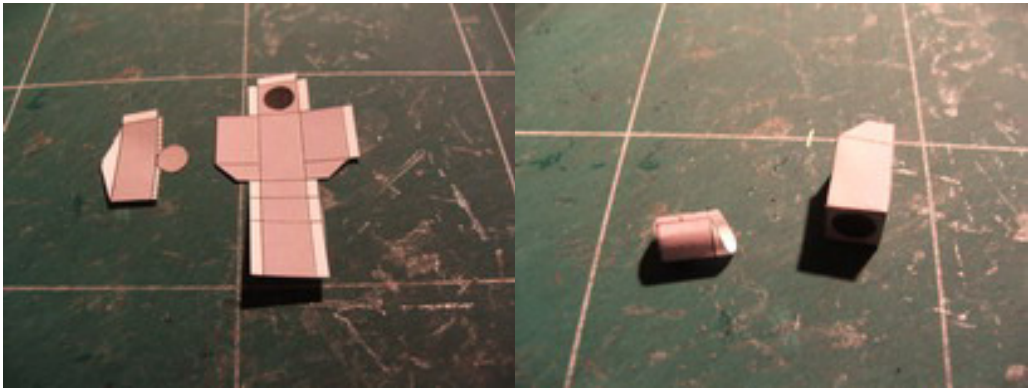
Cut fold roll and glue items 135 – 137 as above.



Glue the items together as above.





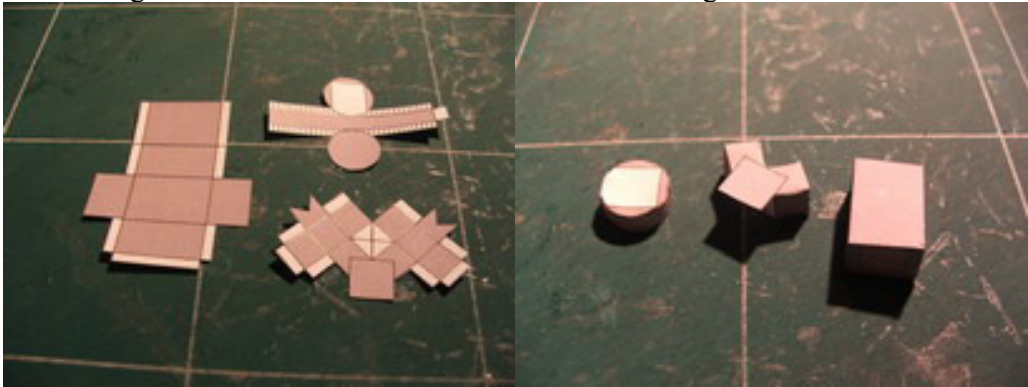


Cut fold roll and glue items 156 and 157 out as above.



Glue all together.

Cut fold and glue item 151 as above.

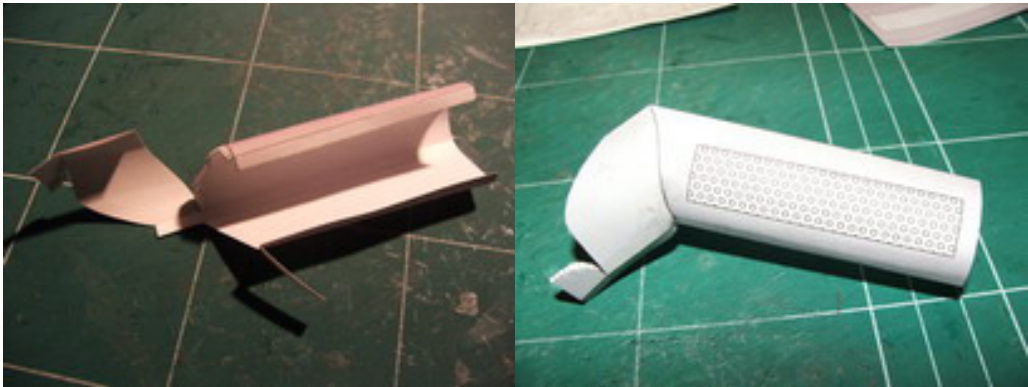


Cut fold roll and glue items 154, 155 and 158 as above.

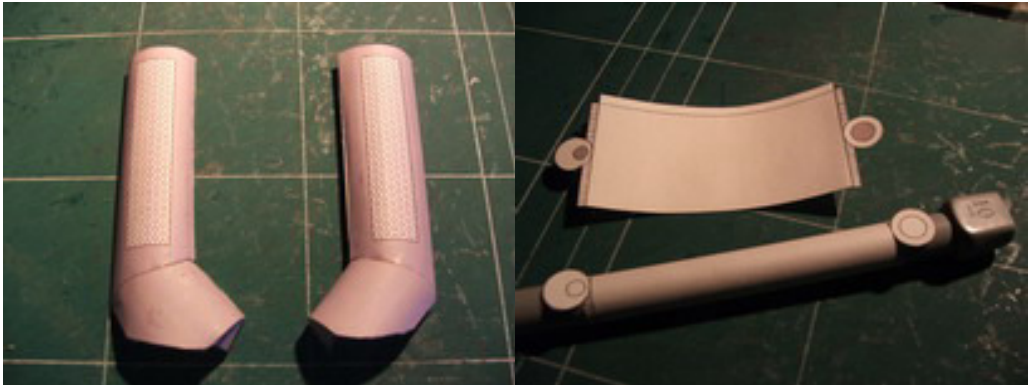
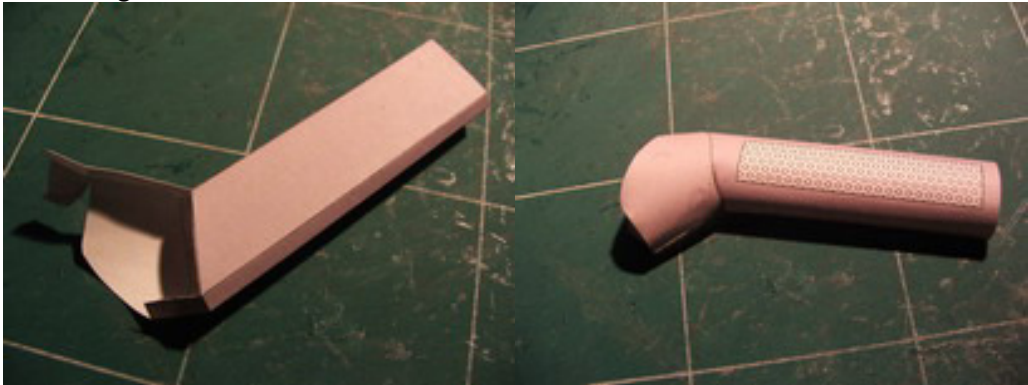


Glue all together.

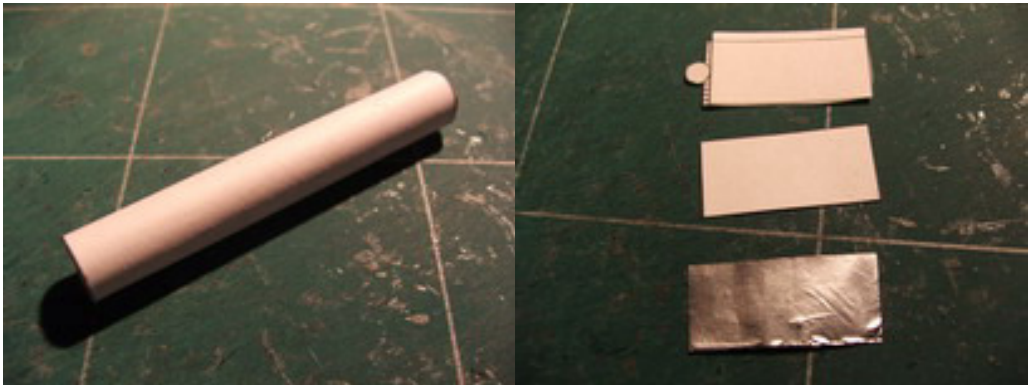
Cut items 152 and 153 out.



Fold and glue items 152 and 153 as above.



Cut roll and glue item 150 around 10mm needle.

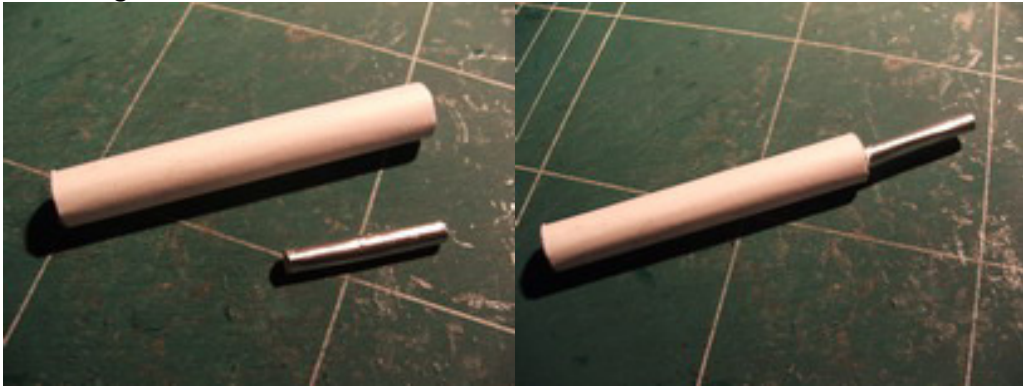


Cut items 148 and 149 out and use 149 As a template for tinfoil.

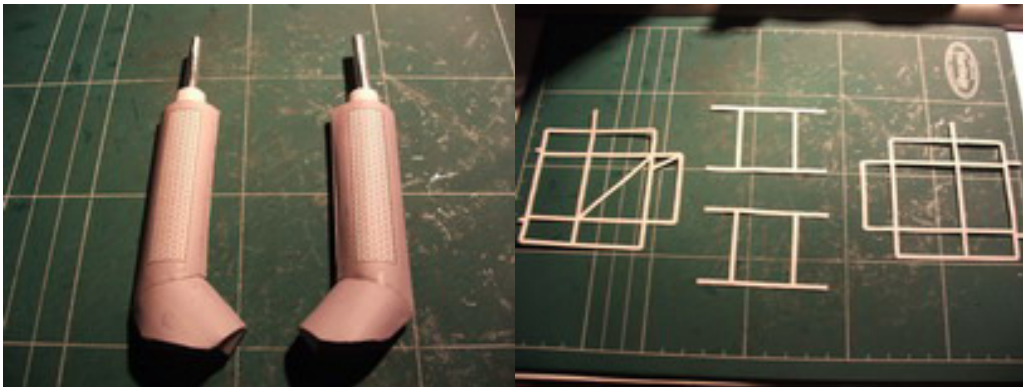




Roll and glue around a 3.75mm needle as above.

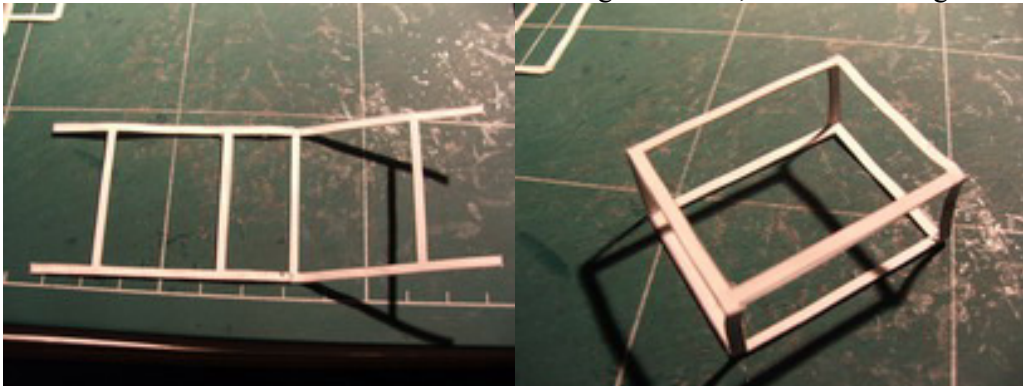


Glue items 150 and 148 as above.



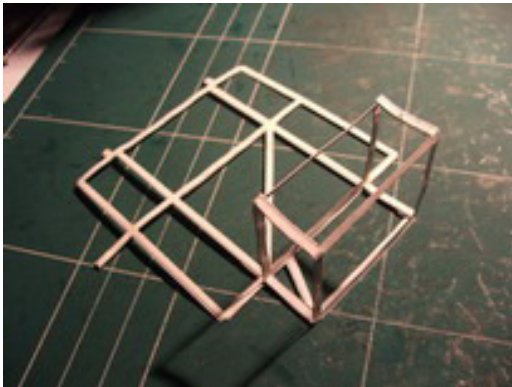
Glue items to the exhaust shields.

Bring items 160, 161 and 162 together.

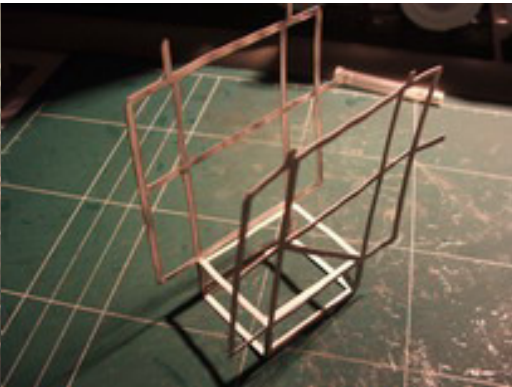


Glue item 162 as above.

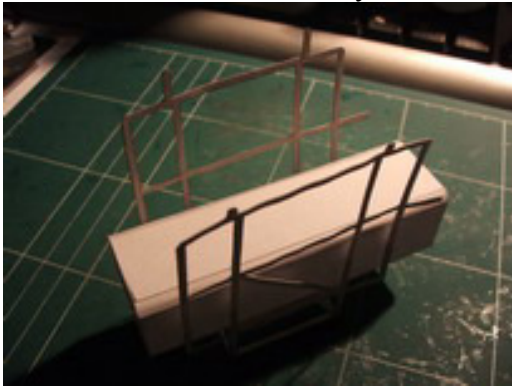
Glue items closed as above.



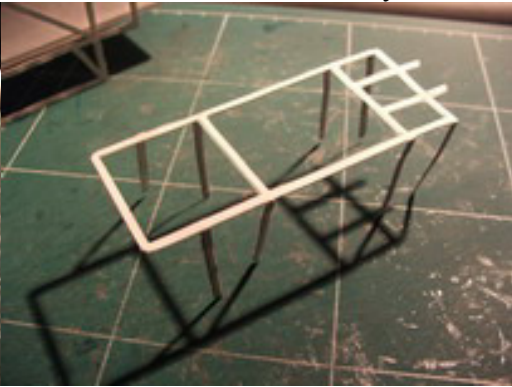
Glue item 161 to the assembly



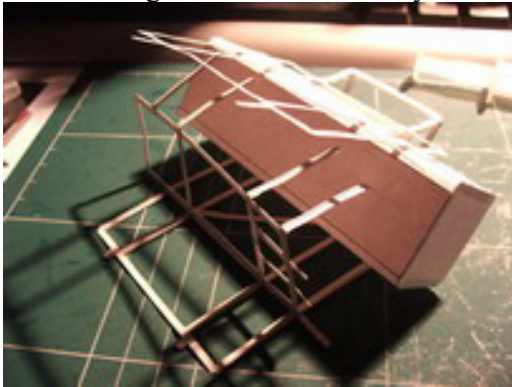
Glue item 160 to the assembly.



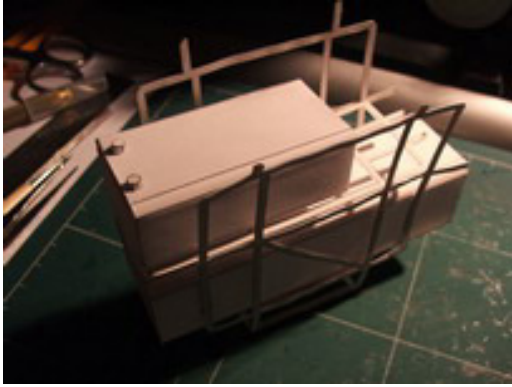
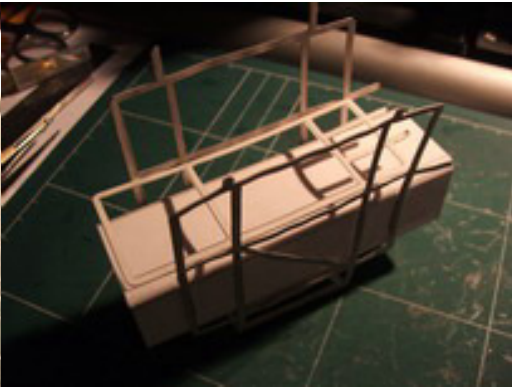
Glue the large tank to the assembly



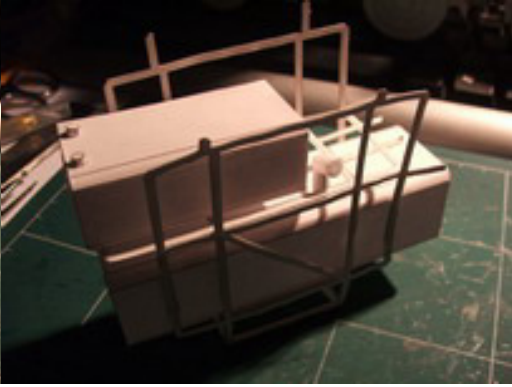
Bend item 165 as above.



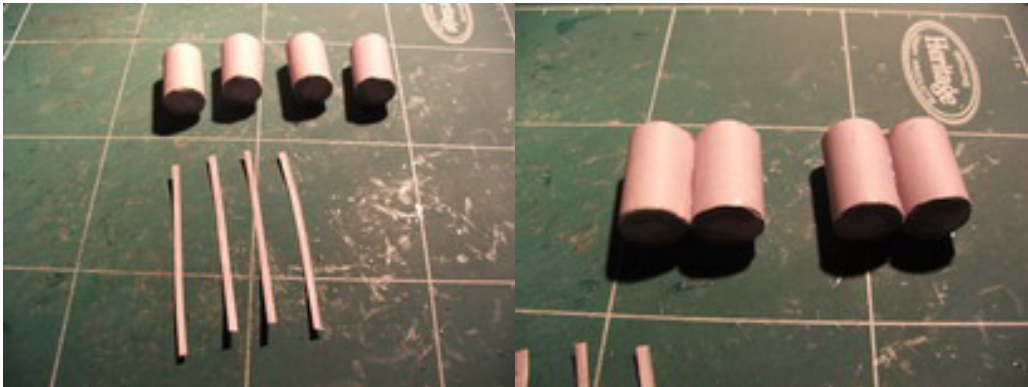
Glue item 165 to the assembly as above.



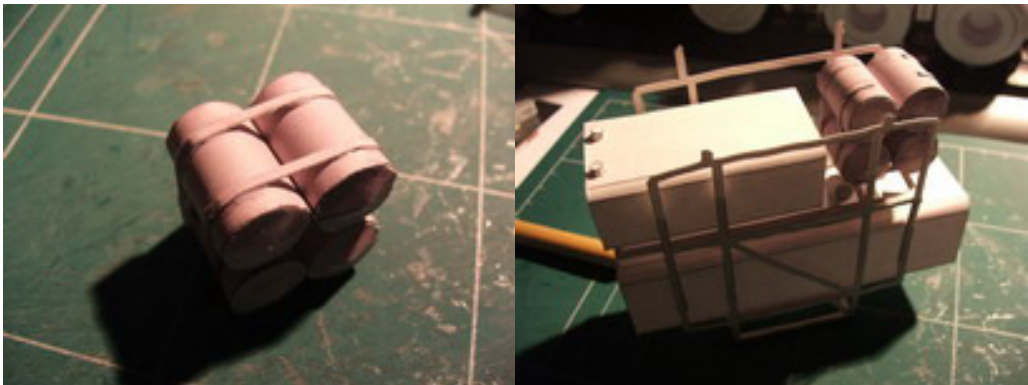
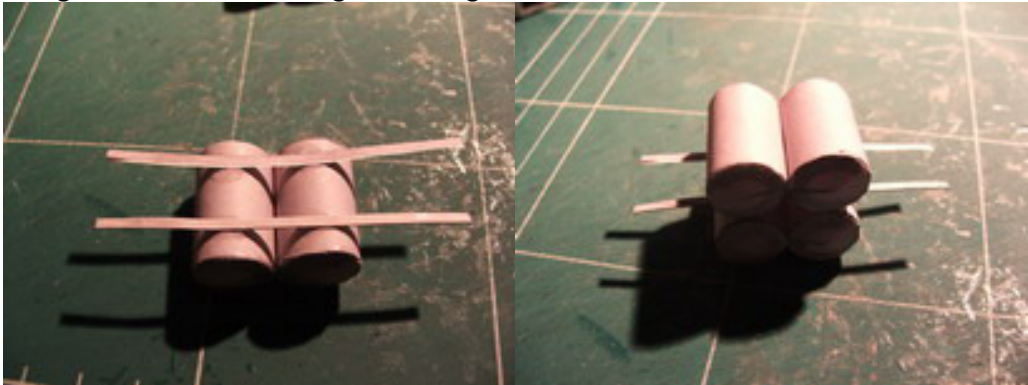
Glue small tank to the assembly as above.



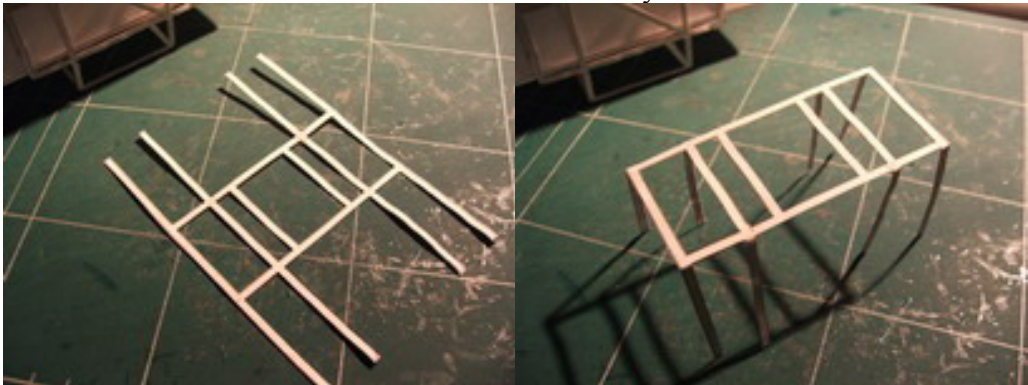




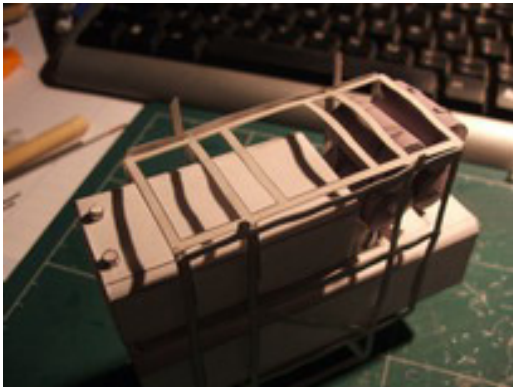
Bring items 134 and 141 together and glue as shown.



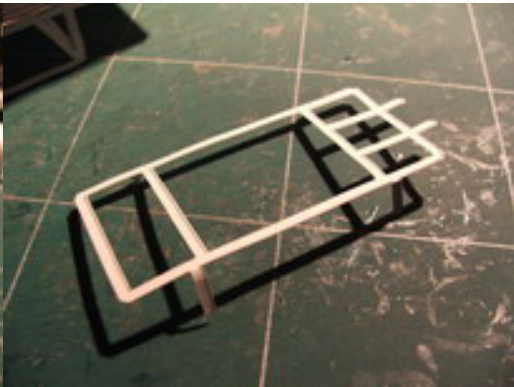
Glue the sub-assembly to the main assembly.



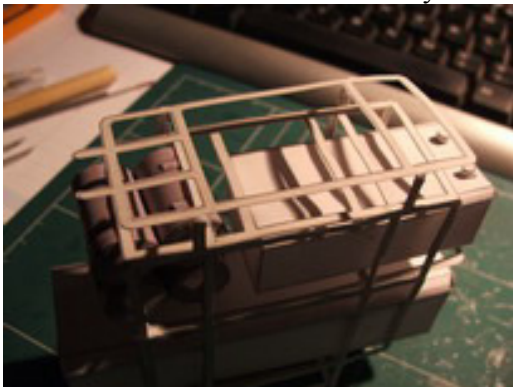
Bend item 164 as above.



Glue item 164 to the main assembly.



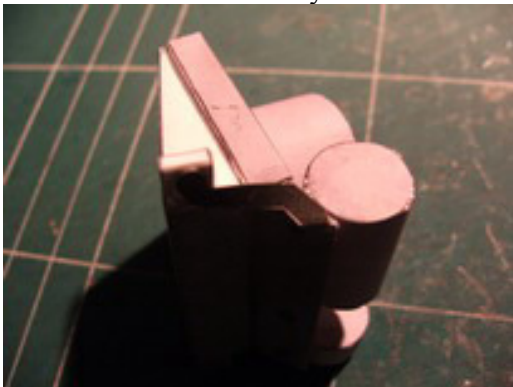
Bend item 166 as above.



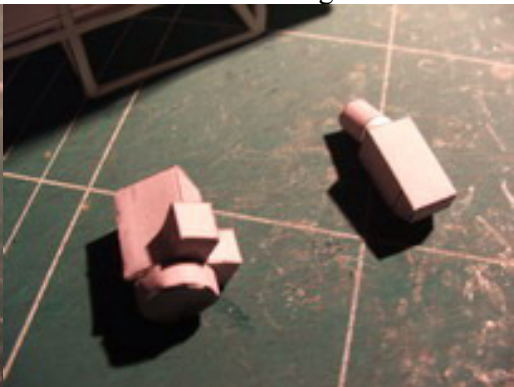
Glue to the main assembly.



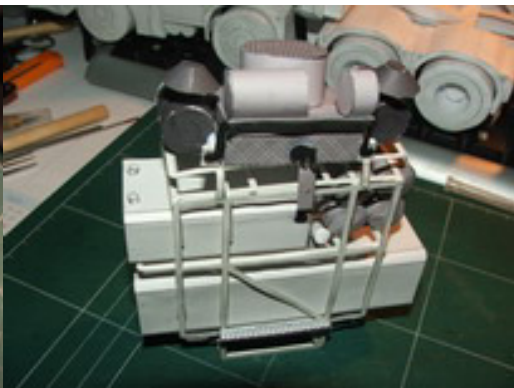
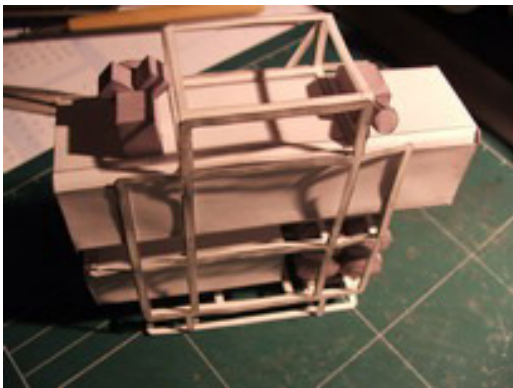
Glue the above items together.



Glue the two parts to the bottom of the Assembly.



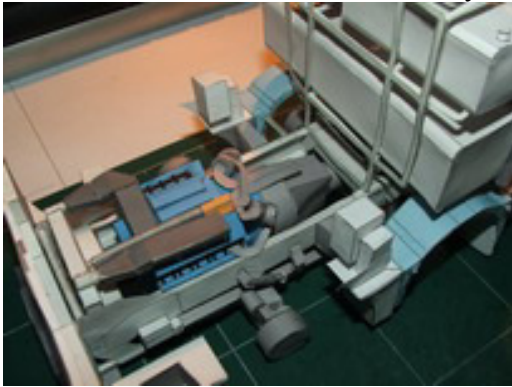
Glue the cooler and the filters to the top of the assembly.





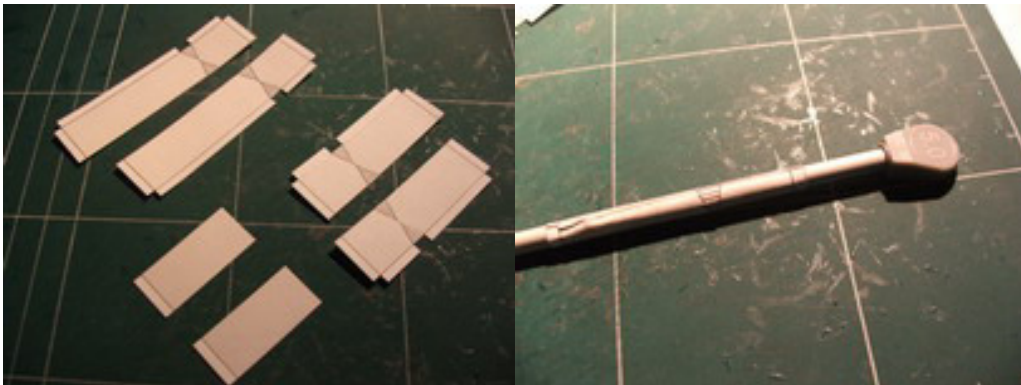


Glue the exhausts to the main assembly as above.



Glue the rack to the chassis as above.

## 22: Exhaust System



Cut items 240, 241 and 242 out as above.

Roll and glue the items around a 5.0mm needle.



Glue the tags on the opposite tub as above. Do this for all items 240 and 242.



Pre set items 240 and 242 as above.  
Pre-cut and check the lengths of the  
Assembly on the truck before joining.

Use item 241 as a joiner for the pipes.



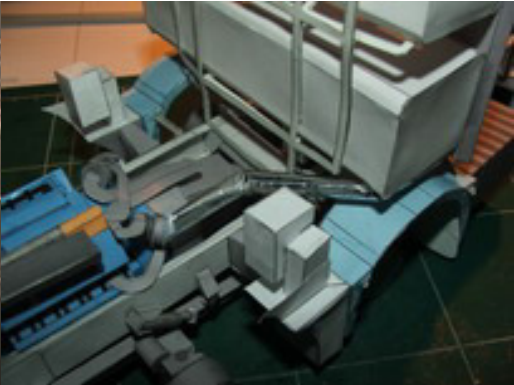
Completed pair.

Use items 250, 251, 252 and 253 as  
templates for the tinfoil for the pipes.

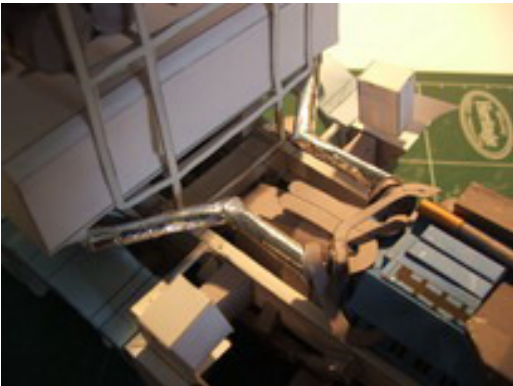




Glue the tinfoil to the tubes as above.



Glue the completed tubes to the truck Engine to exhaust pipes as above.



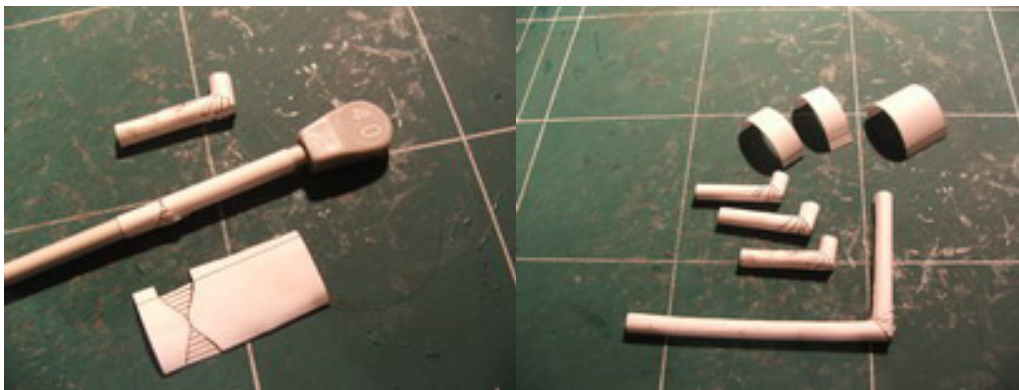
**23: Air intake System**



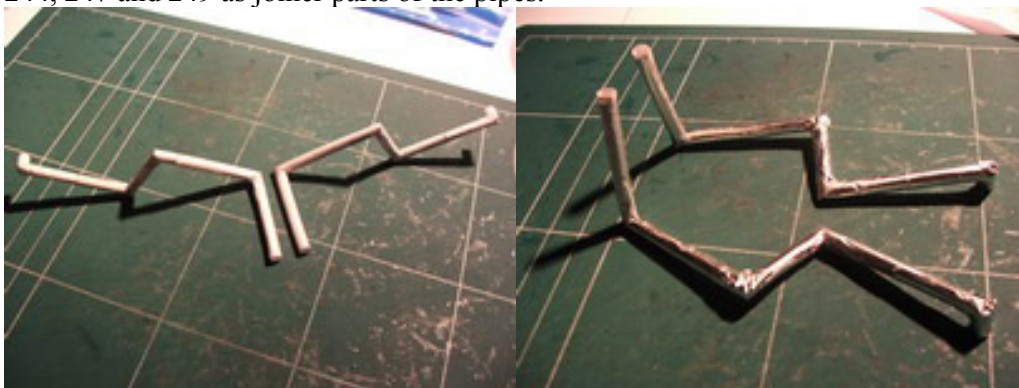
Cut items 254 to 261 as the templates for The tinfoil as per the last set of pipes.



cut items 243 to 249 as above.



Roll and glue items 243, 246, 248 and 245 around a 4.0mm needle again using items 244, 247 and 249 as joiner parts of the pipes.



Take ones time to get the shape and lengths of the pipes correct before joining the pipes together, the above picture is the shape of the pipe form needed.

Glue the tinfoil to the outside of the pipe assembly as above.



Glue the intake pipes from the external rack to the turbos.



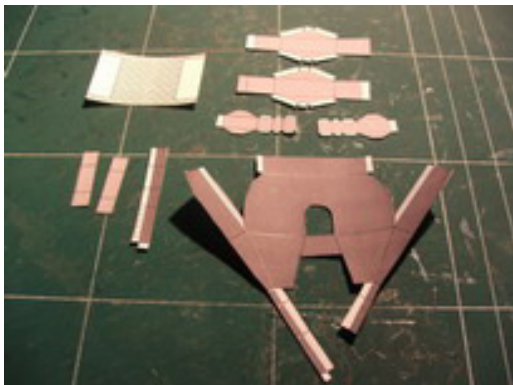
## 24: Horse Shoe



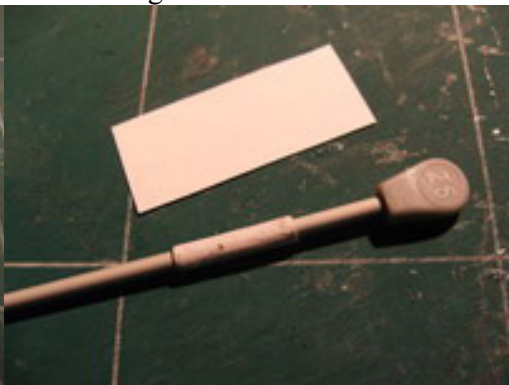
Cut item 231 out.



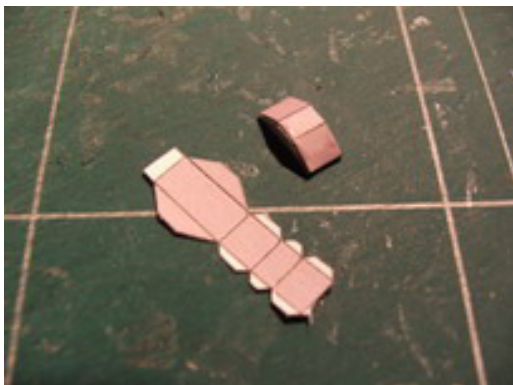
Fold and glue item 231 as above.



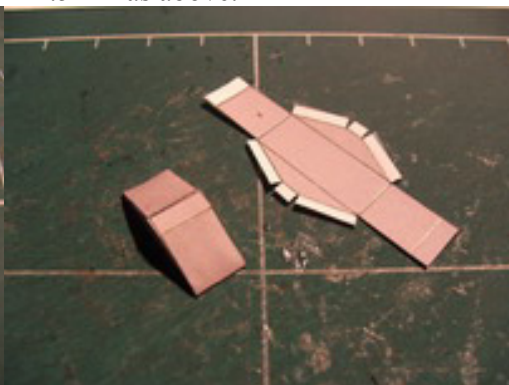
Cut items 232 to 239 out.



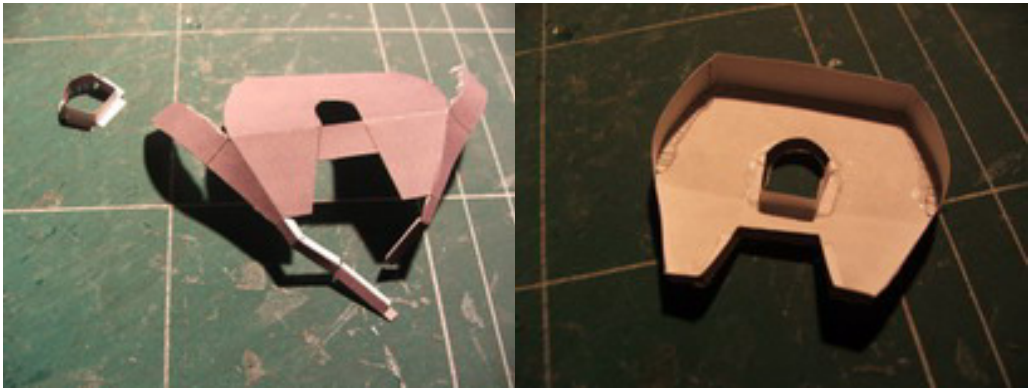
Roll and glue item's 234 around a 2.5mm as above.



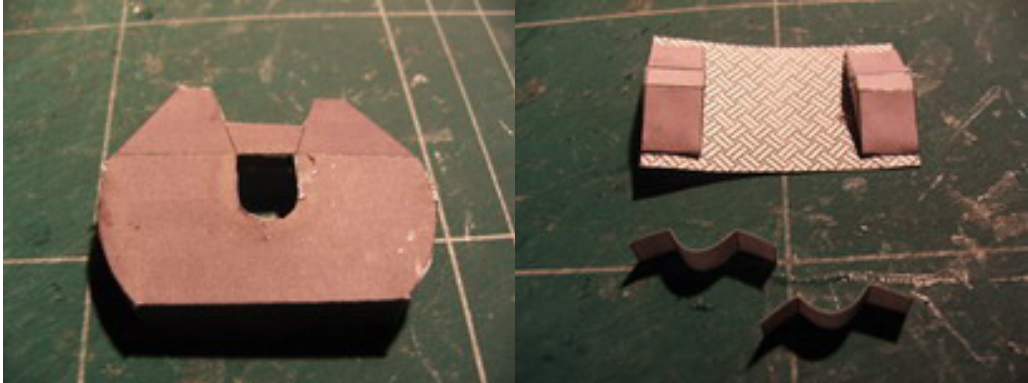
Fold and glue items 233 as above.



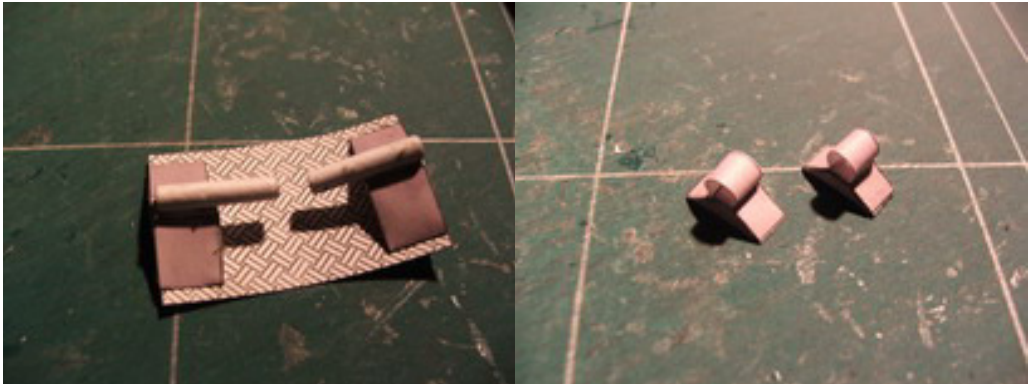
Fold and glue items 236 and 239 as above.



Fold and glue items 237 and 238 as above.

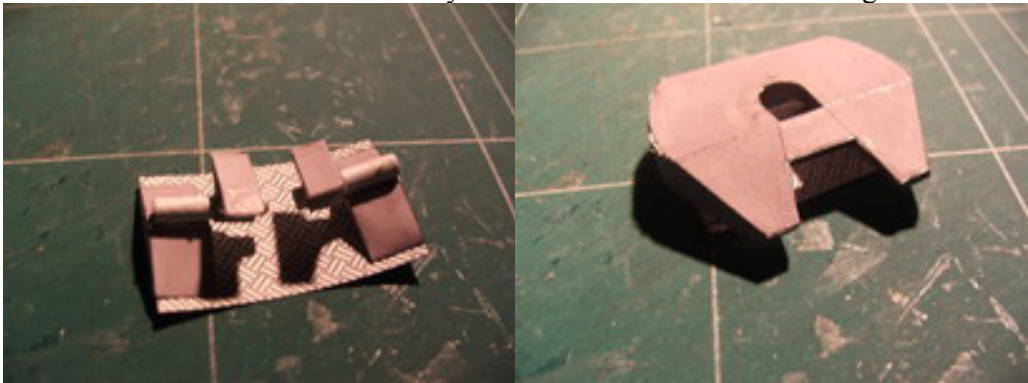


Glue items 236 and 239 to 232, bend and roll item 235 as above.



Glue items 234 to the above assembly.

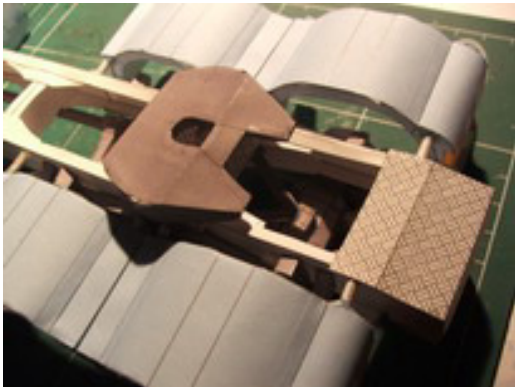
Glue items 233 and 235 together as seen.



Insert items to the main sub-assembly.

Glue item 238 to the sub-assembly.





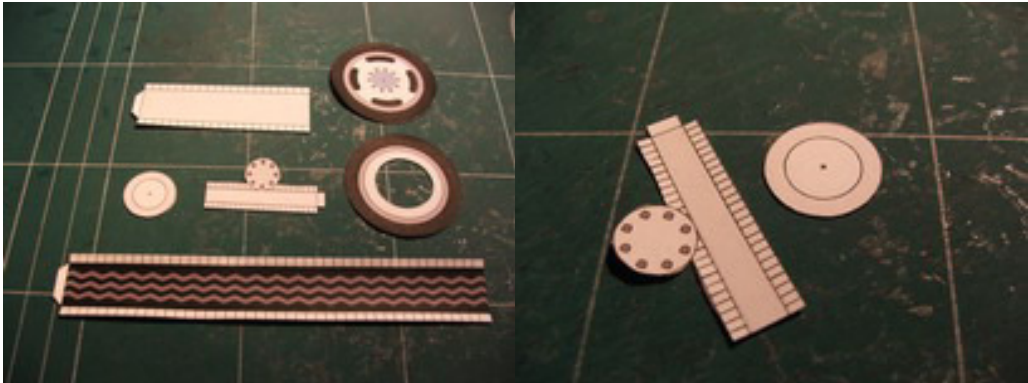
Glue items 231 and 238 to the chassis as above.

**25: Cabin Assembly to Chassis**



Use the above part and glue it to the bumper assembly, use items 220 to shim the height of the cab to the rest of the truck as above.

**26: Wheels**

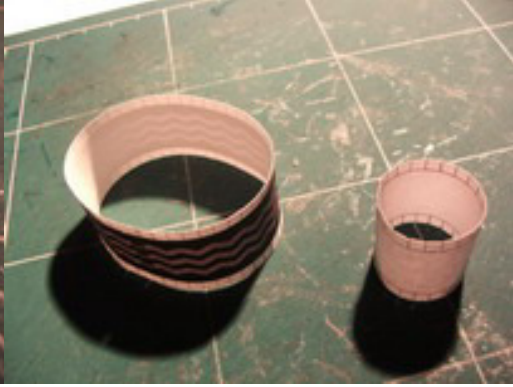


Cut items 264 to 269 as above.

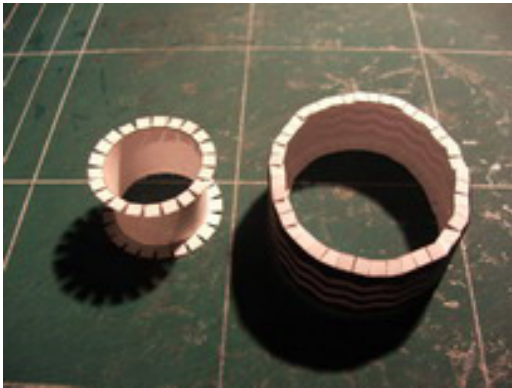
Bend, roll items 266 and 267.



Glue items 266 and 267 as above.



Roll and glue items 264 and 265 as above.



Fold the ends in and out as above.



Glue item 266 to 269 as above.



Glue item 269 to item 264 and item 265 To item 267 as above.

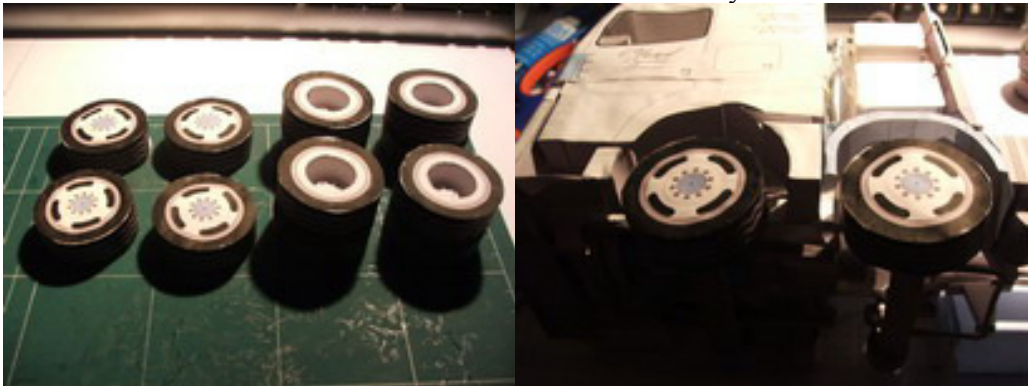


Glue the two sub-assemblies as above.





Glue to wheels together for the rear Wheel assembly.

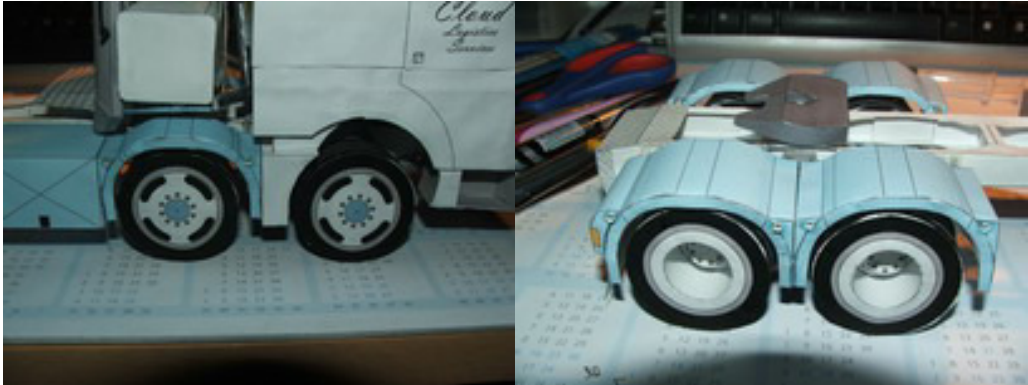


Glue and set the wheels out as above.

Glue the front set of wheels to the axles.

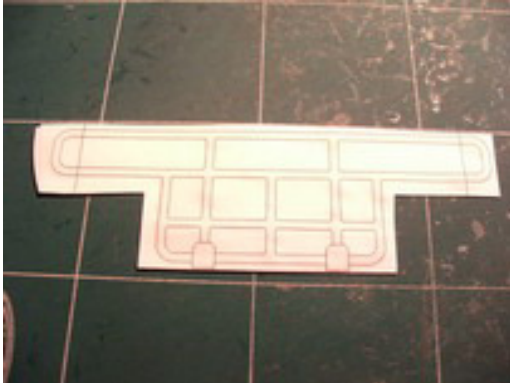


Glue the rear set of wheels to the rear axles.

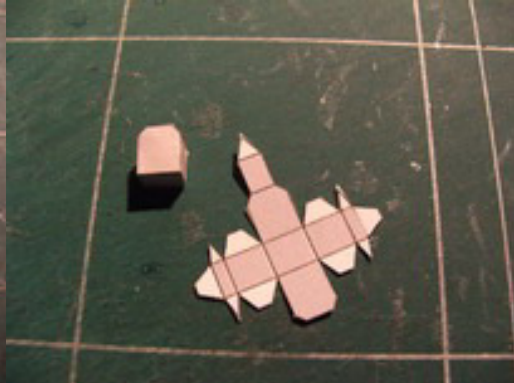


Completed assembly of wheels to axles.

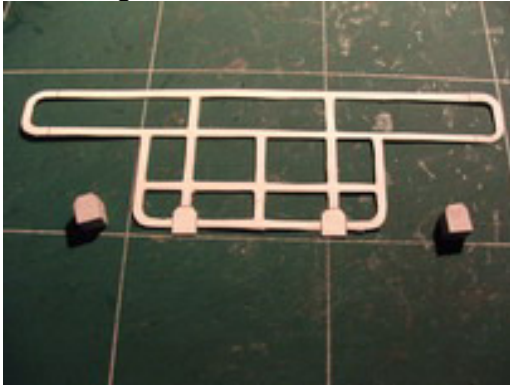
### 27: Bull Bar and Walking deck



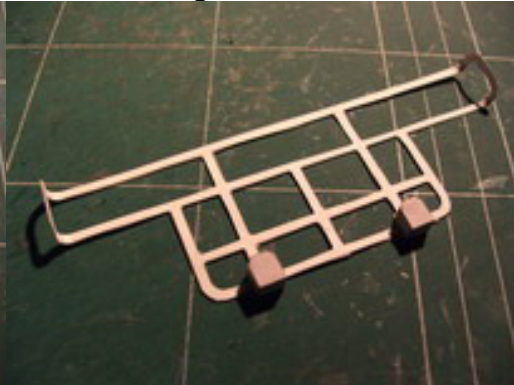
Fold and glue item 223a as above



Cut fold and glue items 223b as above.



Bring items 223 all together.



Roll the ends of 223a and glue 223b together as above.



Glue item 195 to the sub-assembly.



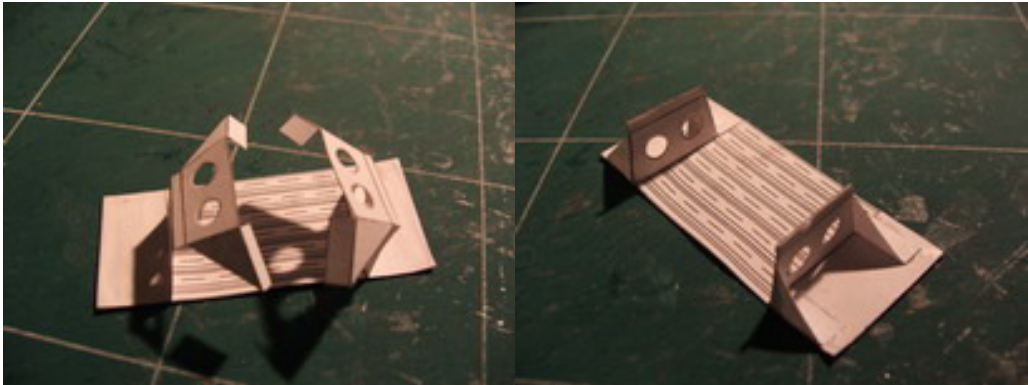
Glue the sub-assembly to the truck as above.



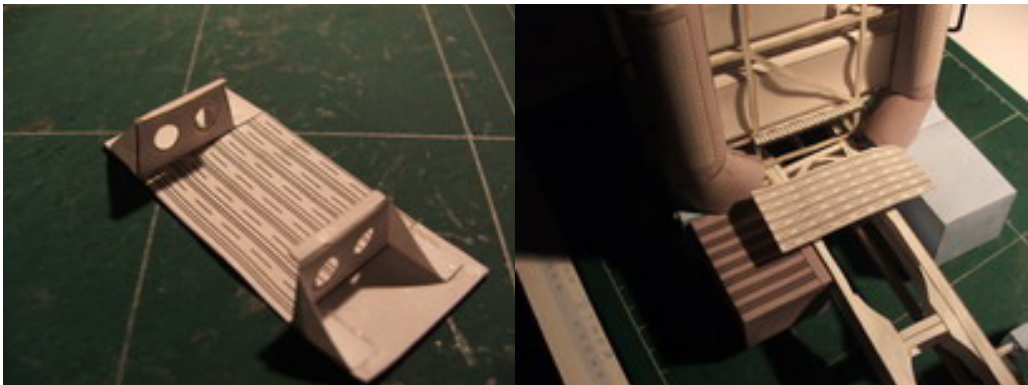


Cut item 159 out as above.

Fold item 159 as above.



Glue item 159 as above.



Completed item 159

Glue item 159 to the chassis as above.



Glue items 138 and 139 to the truck,

Glue item 195 to the rear of the truck.

**28: Finished Model**







## 29: Version Details

0.10	- 9 August 2010	- Project started, research begins.
0.11	- 1 September 2010	- First CAD design Started.
0.12	- 9 September 2010	- First CAD design Completed
0.20	- 1 October 2010	- Development work started, first model started.
0.21	- 6 January 2011	- First complete working model done.
0.30	- 1 October 2010	- Revised design started.
0.31	- 6 January 2011	- Revised design complete.
0.40	- 11 January 2011	- Test pieces checked for workability.
0.41	- 24 March 2011	- Test pieces check complete.
0.50	- 23 April 2011	- First render work started
0.51	- 27 April 2011	- Render work complete.
0.60	- 21 July 2011	- Final development model started.
0.61	- 21 July 2011	- Final development changes started.
0.62	- 14 October 2011	- Final development changes completed.
0.63	- 14 October 2011	- Final development model complete.
0.70	- 14 October 2011	- Lock down render work started.
0.71	- 14 October 2011	- Lock down render work complete.
0.80	- 28 January 2012	- First written instructions started.
0.81	- 3 February 2012	- First written instructions complete.
0.90	- 3 February 2012	- Instruction proof reading started.
0.91	- 3 February 2012	- Instruction proof reading complete.
0.92	- 3 February 2012	- Project complete.
1.00	- 3 February 2012	- Build Instructions Released and Locked Down. Design Released and Locked Down.
1.10	- 21 February 2012	- Minor Updates.
1.20	- 6 March 2012	- Items 195 and 271 added.