

General

First read the instruction. If all is clear then cut out all peaces for the step, then fold them and hold them together. If this is correct and works out, then glue.

If you encounter a problem or some mistake in this model, so please feel free to send me a mail (chriess@vr-web.de), referencing to this model. I answer it as soon as possible.

Also if my misspelling is so big, as you get nightmares.

Tools

Knife

Glue

Scissor

Patience

Music & a good Drink ;-) I prefer uhm – are you mature ?

Some words to the model

Some sheets are to be printed out more than once. (e.g. Tires-sheet). Read the instruction before. Also read ? (Uhm good word for) the parts. Print out some spare-sheets if you think they are difficult to build or cut, or even if you thing the instruction is badly writing ;-). (And write a mail ...)

All parts for the step should be inside a outlined box on the sheets.

If you see a red X inside a part, then this is a area to be cut out.

If you see one or more parts outlinded with red lines, so this means this are parts which aren't seen from the outside. (e.g. internal structure of the model)

Grey lines are construction-lines, they could help to bend and fold.

If you see a big colored area beside some parts, this means, fold and glue the parts to the area. Cut this parts after the glue is dry. (This are parts, that are seen from bothsides, so they need an colored backside.)

Not used Parts

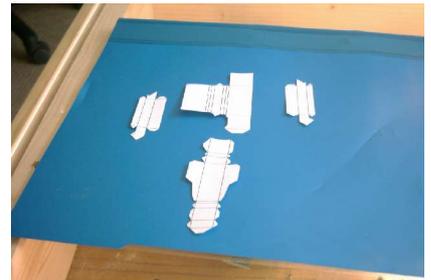
Airtank-side

Stoppie

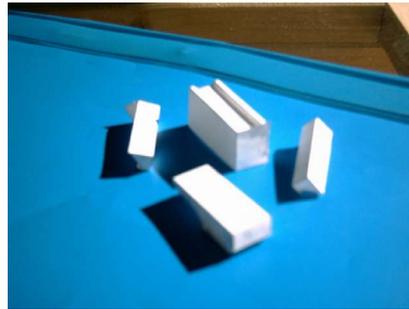
Sparewheel-fitting

Engine

Oilpan, Engineblock, Cylinderheads [4 Parts]



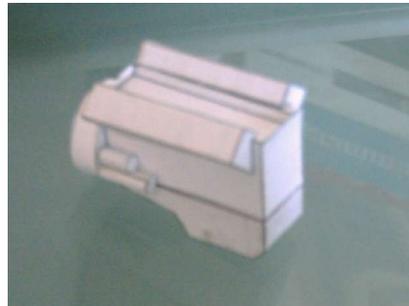
Glue cylinderheads at the back of the engineblock. (Offset on the frontside)



Gearflange, Oilfilters (blue parts) [5 Parts]

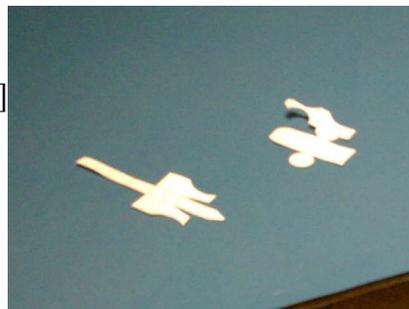


Roll, glue. Glue the Oilfilters on the left side. Glue the gearflange at the back of the Engineblock. The 2 pipes into the left edge of the engineblock and the gearflange

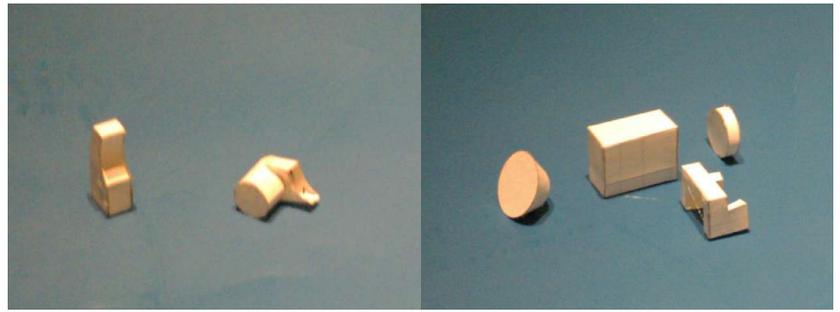


Gearbox & Retarder

Retarder, Gearbox, Valves [6 Parts]

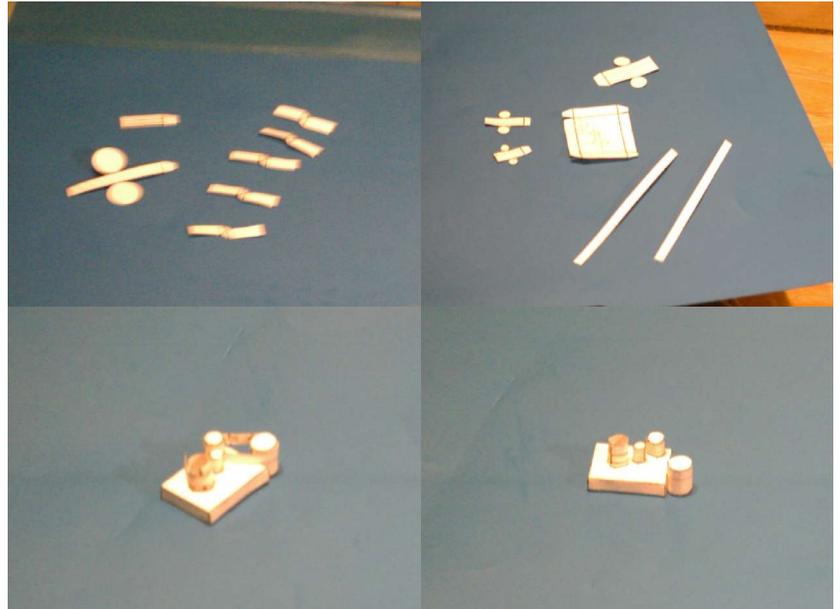


Parts of the retarder and the gearbox



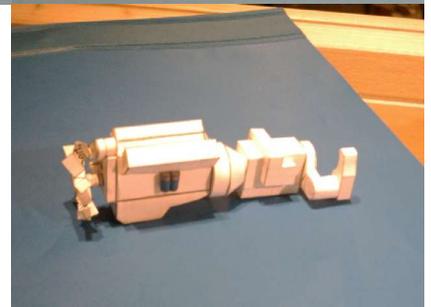
Fan

Fan & Blades, Beltsystem [13 Parts]



Roll the parts of the beltsystem, glue on base, wrap the belt around the pipes, cut off if too long. First painted on the inside, second painted on the outside

Glue blades on the bigger disc, bend the outer side of the blades (no pic)

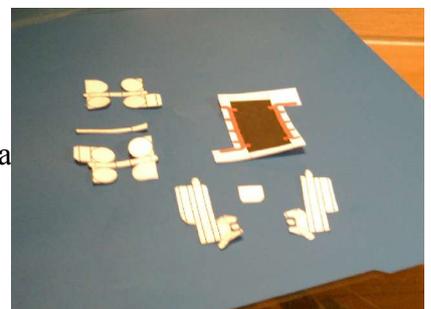


Assemble the beltsystem, Engineblock, Gearbox and retarder

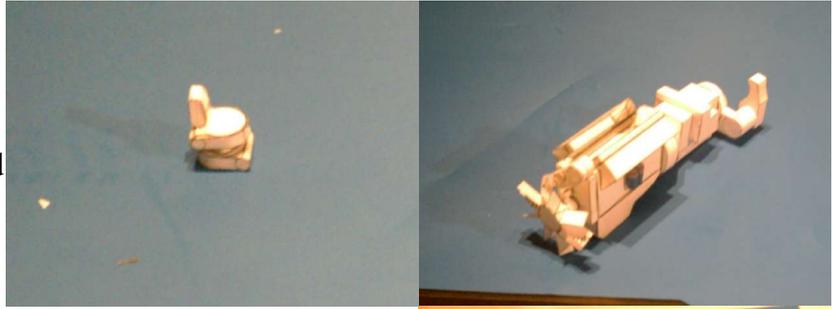
Turbo

Turbo, Exhaust, Aspiratoryrail [8 Parts]

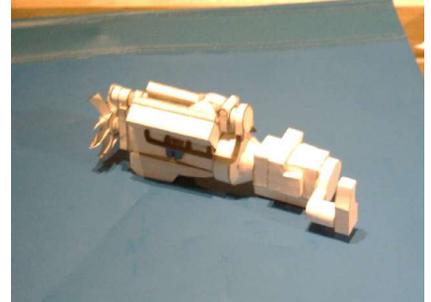
Bend the exhaust over and glue. Then cut out. (The big colored area is the counterside, no real need but to make it a little bit better)



Assembly of turbo, the small strip between. Installation of Aspiratoryrail on the inner sides of the cylinderheads (between the higher parts of the rail, there should be a gap of ca. 4mm)



Installation of the turbo, the narrow part is between the gap of the aspiratoryrail. Glue it on the back of the Engineblock.



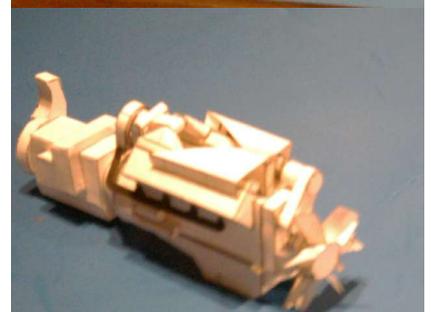
Injection

Injectionpipe, pump and a filler ;-) [3 Parts]

Roll glue

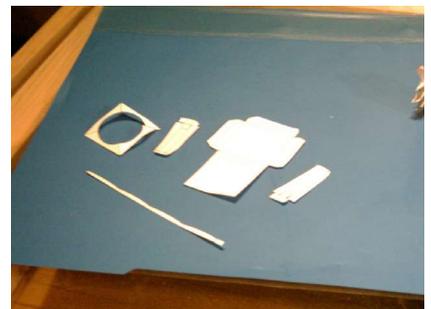


Glue the pump (box) between the cylinderheads in front, then the injectionpipe on the pump and the cylinderheads. Place the filler behind the pump and the turbo (not visible here)

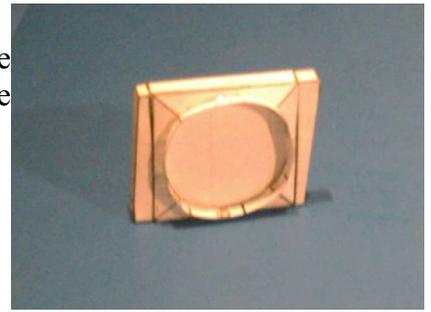


Cooler

Parts of the cooler [5 Parts]

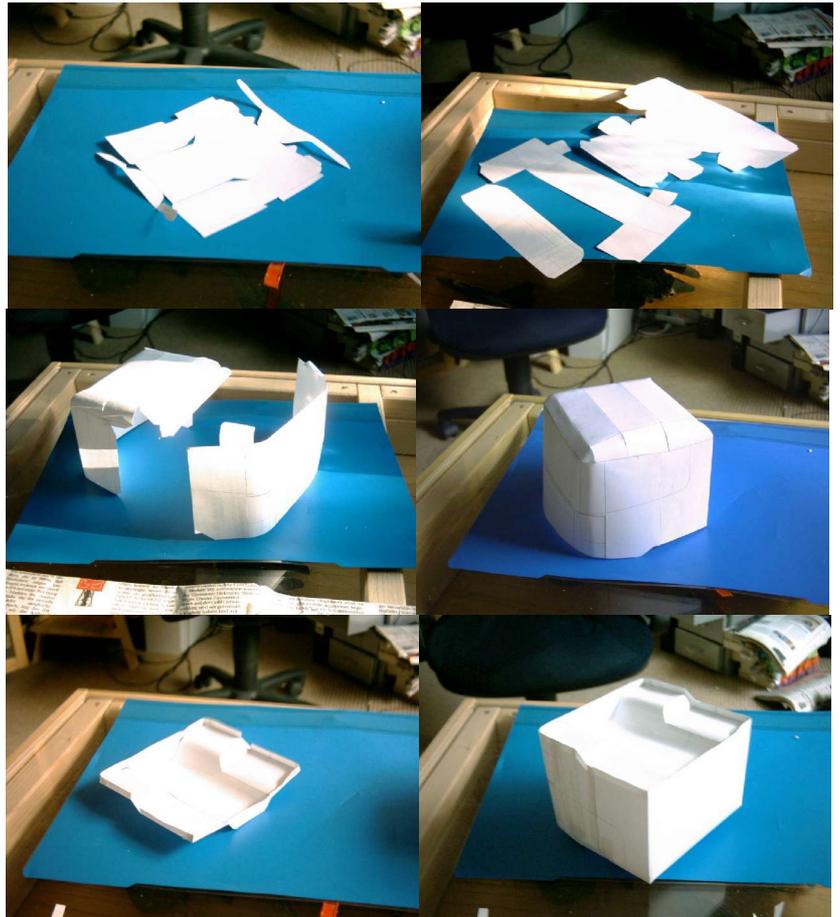


Glue the two outside connectors with the bigger part on the left side down, on the right side up. The circle part is slightly bigger than the cut out!



Cabine

Parts of the floor and the cabine [4 Parts]



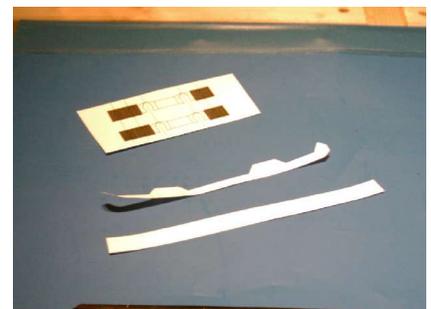
Glue the back of the cab (T-shaped Part). Glue the two front-parts, this results in a small angle in the front. Bend the sides of the front, glue the doors to the back of the cab. Take your time, because the parts want to resist ;-)

Glue the floor and fit it in the cab. It should fit closely in the cab.

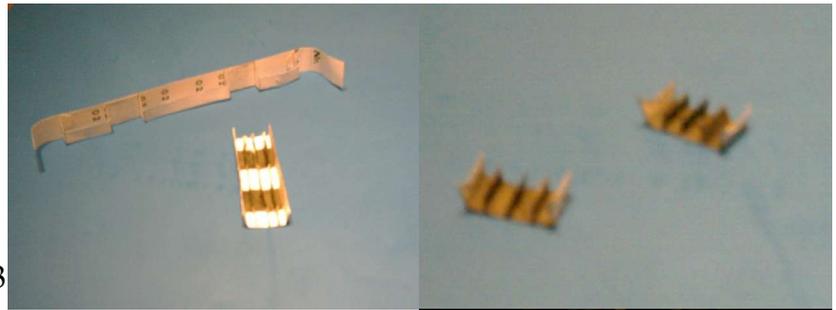
Spoilers

Part of the Headspoiler, Sidespoilers [4 Parts]

The headspoiler should not cause any big problem.



Fold the sidespoilers along the lines between the two spoiler. Glue them so like in the picture right below. Use the last square (different side of each spoiler, because mirrorsides) as a filler; cut, if to long. You should have a part that has the color outside and 3 dark ribs inside. If dry then cut out. The ribs needn't be cutted; usually ;-)

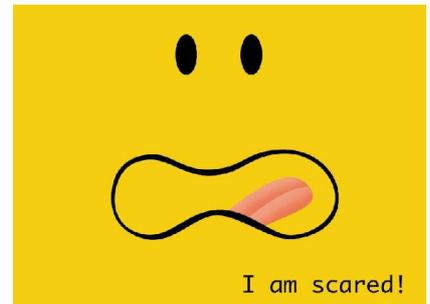


Installation of the spoilers. The sidespoilers have a little angel compared to the side of the cab. The headspoiler fits right above on the windshield



Mirrors

Parts of the Mirror [4 Parts each side]

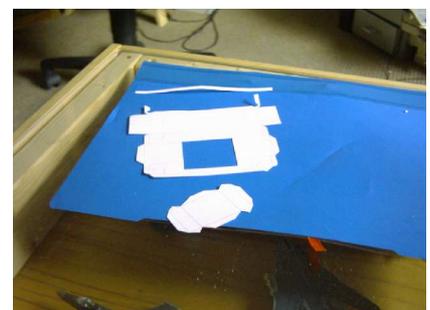


Fold and glue, then glue them to the cabine.

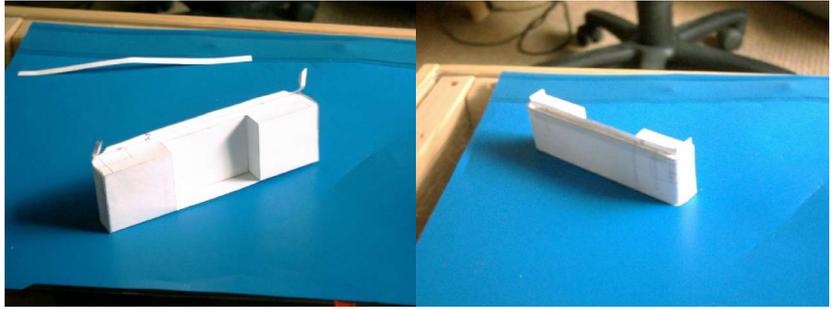


Frontbumper

Parts of the frontbumper [3 Parts]



First glue the spacer for the cooler into the bumper, than glue the bumper. The small strip of the bumper results to an offset of the narrow strip to the frontline.



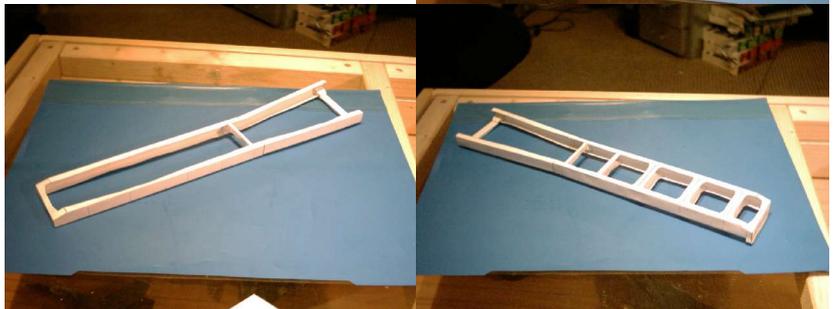
Frame

Cut out frame and crossmembers [18 Parts]

Fold and glue the crossmembers. The six same parts forming 3 Double-T. Glue the small strip of the sidemember into the front of the long sidebeam.

Glue the last crossmember (right up) at the back of the sidebeams, then the small (left down) into the front of the straight sidebeam. Then glue the frontcrossmember (left up) into the frontpart of the sidebeams. This results into a angular shape of the frontpart.

Glue the frontpart to the small strips of the back of the sidebeam. If the frame is dry then insert the double T-shaped crossmembers into the frame. And at least the last two parts. (orientation for the crossmembers are the lines at the sidebeams.)



Discbrakes

Parts of the discbrake [5 Parts]



Glue parts. Assemble together.
You need a left and a right brake
for each axle.



Rearaxle

Parts of the rearaxle. [5 Parts]

Do not cut the outside part (which forms an rectangle box) if you
don't use a brake. Cut at the first if you build discbrakes, cut at the
second if you go for drumbrakes.

Glue together. (Picture here is for Discbrakes)



Rearsuspension

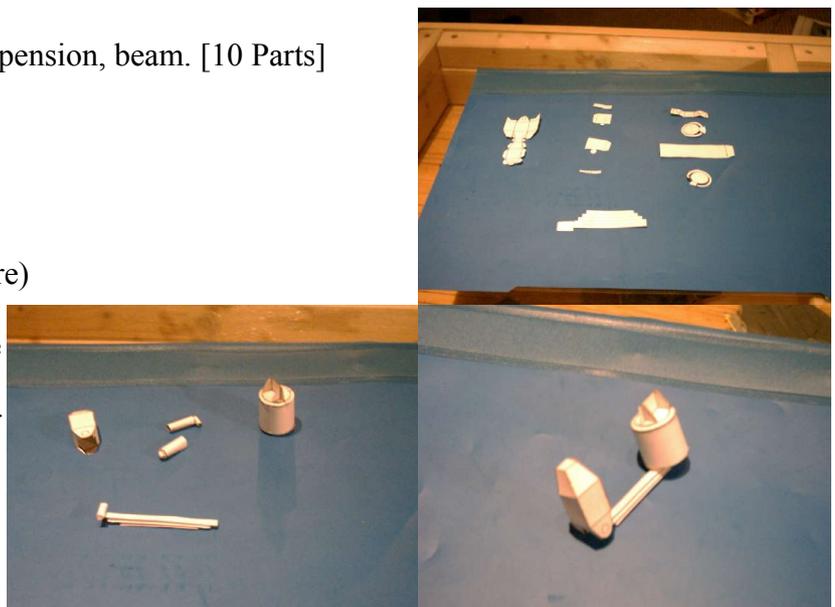
Parts of the holder, damper, airsuspension, beam. [10 Parts]

Glue the parts together. (left picture)

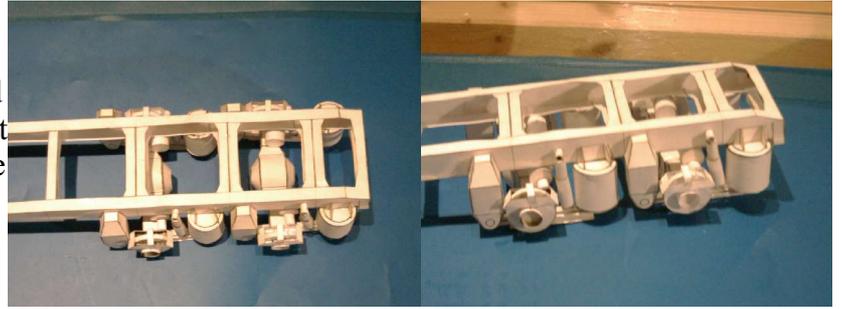
Don't glue the two parts of the
damper (middle) Roll and glue the
small strips. The doublestrip ist
located offset at the upper, samller
part of the damper.

Fold the beam to zigzag and roll
the forward rectangel to a pipe.

Glue the beam into the holder and
then middle to the suspension.



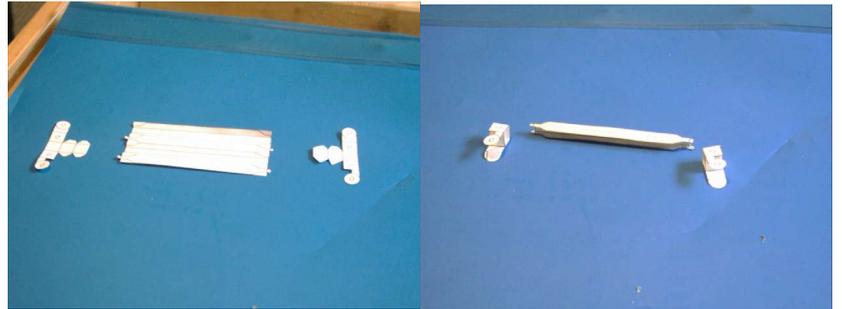
Glue the brakes (if you use) to the axle. Glue the axle with the brakes to the beam. Then glue the axle and the suspension to the frame. Correct location and let dry. If dry then glue the damper between the beam and the frame, slightly lending forward. The smaller part above.



Frontaxle

Fold and glue together. [3 Parts]

Fold the beam to a double-T-Profile. Use other ears if you choose not the discbrakes. (as shown here)

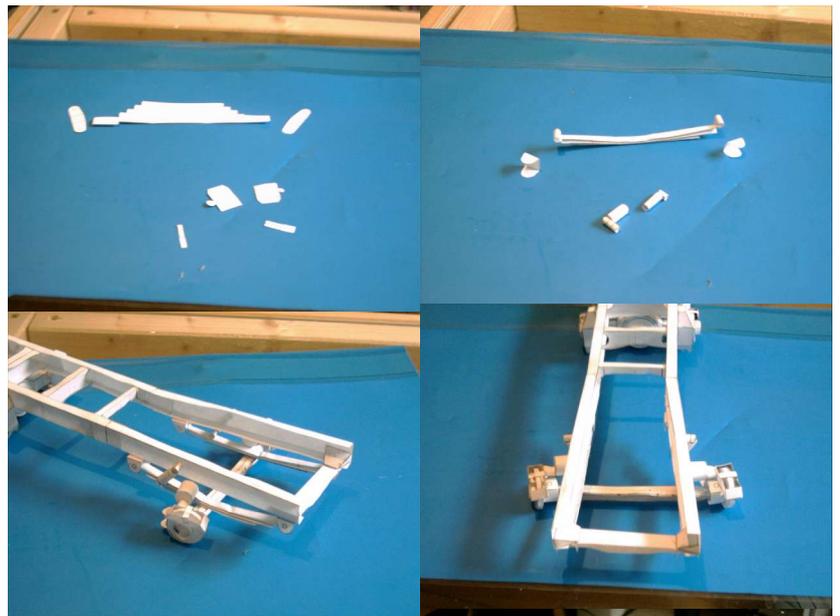


Frontsuspension

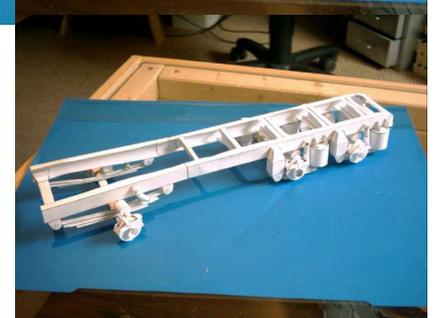
Fold and glue together [7 Parts each side]

Same Procedure like at the rearsuspension.

Glue the holder onto the front-crossmember, glue the frontaxle onto the spring. Bend the spring to level the frame, then glue the second holder. At last glue the brakes to the axle.



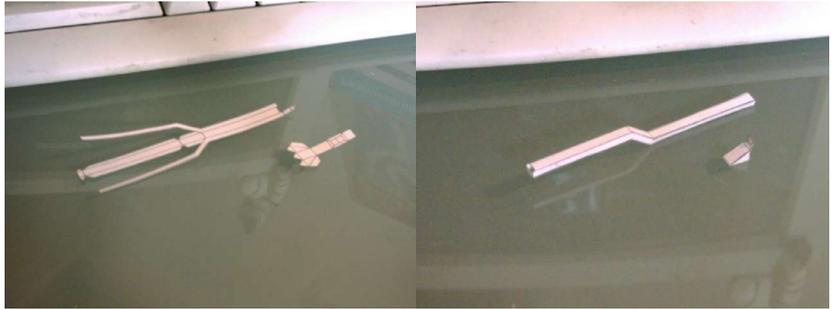
Picture with frame and axles.



Cabineattachment

Parts of the cabinesupporter and hinge [2 Parts each side]

Fold and glue



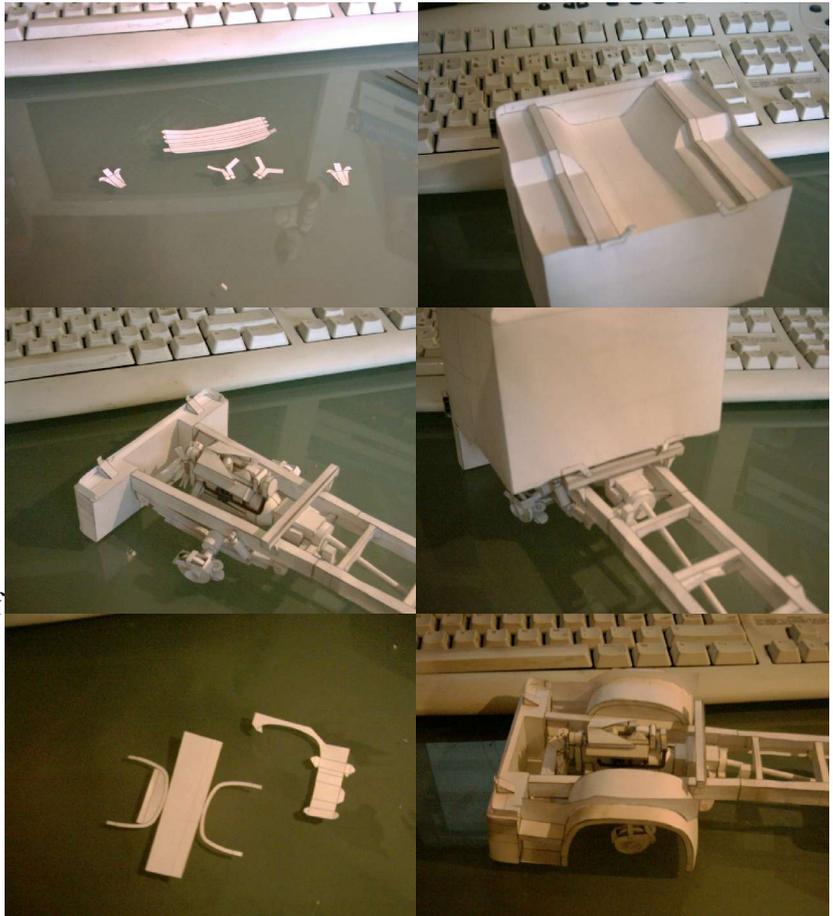
Parts of the cabinebed [5 Parts]

Fold the big part to a rectangular beam with a bag, so the Y-styled parts fits into.

Glue the supporter to the bottom of the cabine and the Y-styled parts to the rear of the cabine.

Glue the frontbumper to the frame.

Glue the hinge to the frontbumper and the rectangular beam with the fastening angel to the frame. Use the cabine as a reference. You can cut the Y-styled parts at the rear of the cabine if the cabine is beveled.



Parts of the front wheel arch [2 Parts each side]

Glue together and fit them to the frame.

Installation of the engine

4 supporters and 2 axles [6 Parts]

Glue the engine with the supporters into the frame. Roll the two axles, cut them to the right length and glue them between the gearbox and the axles.



Parts of the Airfilter [3 Parts]

Glue together.



Glue the airfilter to the bumper. Btw. Install the cooler in front of the engine into the frontbumper.



Parts of the airfilterpipe [11 Parts]

Roll and glue. Build the path to the turbo. Cut the pipe to fit.



Start from the airfilter and the turbo, then fit the other parts between.

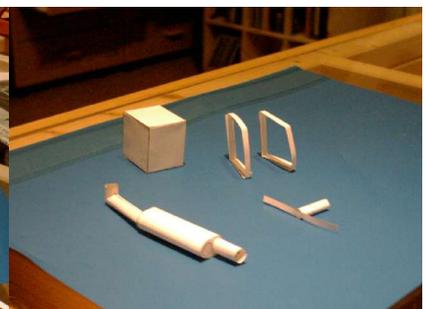
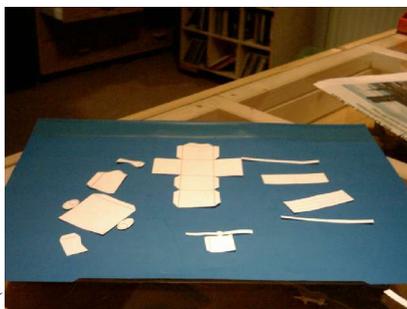


Silencer

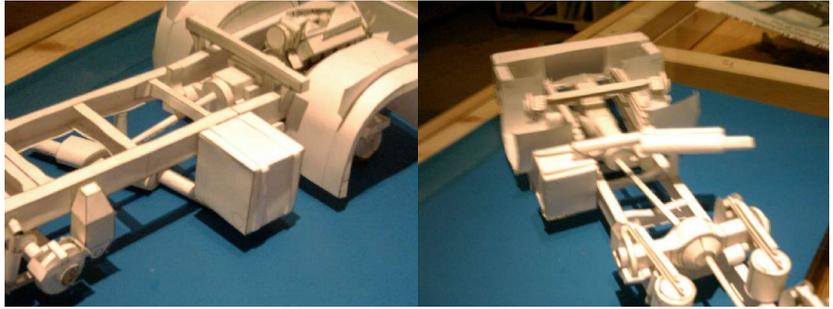
Parts of the silencer [10 Parts]

Fold, roll glue... :-)

Fold the 4-lined part zigzag, so that is a thicker part. Bend it around the box-silencer and glue the narrow strip into the thickerpart, so the box fits into it. (in the picture they are seperated)



Install it to the frame. The small pipe is the holder to the oval silencer.

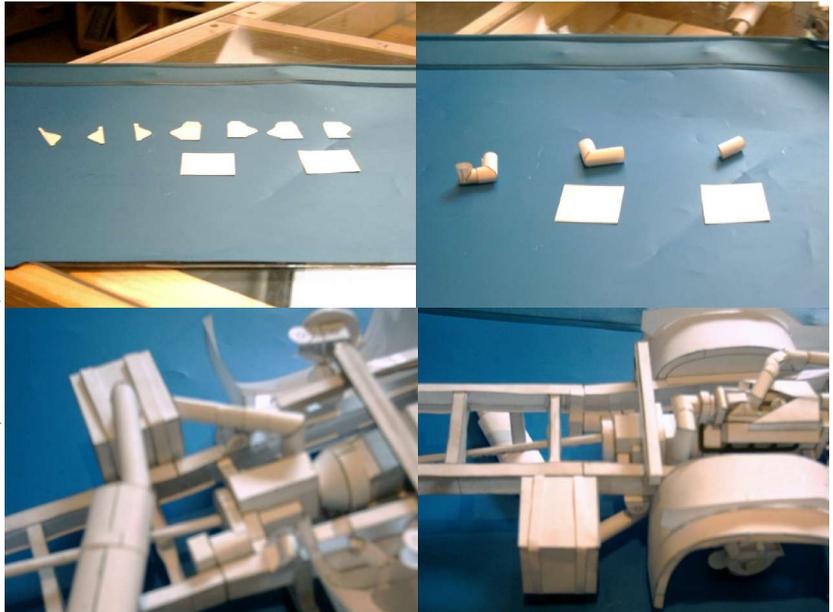


Exhaust

Parts of the exhaust [9 Parts]

Roll and glue the pipeparts, but dont glue the grey parts !

Glue the pipe between the turbo and the box-silencer. Roll the grey parts, but don't glue, and fit it into the exhaustpipe. They should provide a adjustment. They unbend , so work fast, faster ;-)



Stairway

[2 Parts]

Fold and glue (Yes its ever the same :-)



Fuel tank

[8 Parts]

Fold and glue together. (like the box-silencer) For good measure glue the deliverpipe to the similar atop the tank.

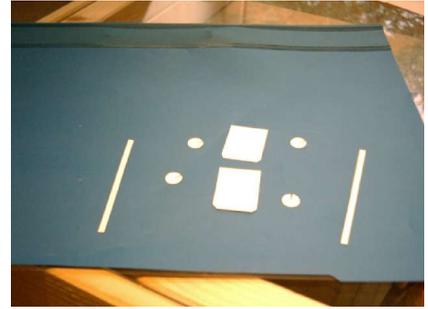
Installation seen by the Planks.



Rear airtank

[8 Parts]

Roll and glue the tank. The strips are used to attach the two tanks. Installing with the saddle.

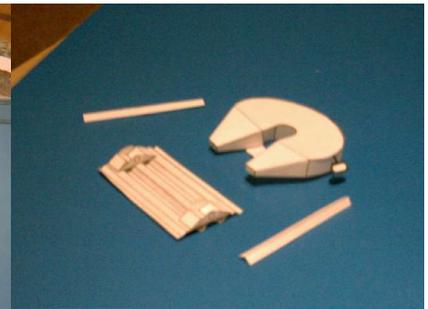


Saddle

[7 Parts]

Fold and glue together.

Glue the beams of the saddle beside the frame, then glue the support to the frame, at least the saddle itself.



BTW : Glue the strips of rearairtank to the last crossmember. Glue the first tank into the frame above the crossmember. Then the second tank underneath this crossmember then wrap around the strip. Cut if to fit.



Aggregates

Parts of the steelplate, blackbox :-) and the middle airtanks [10 Parts]

Roll, fold and glue together. Picture shows the middle airtanks upside down



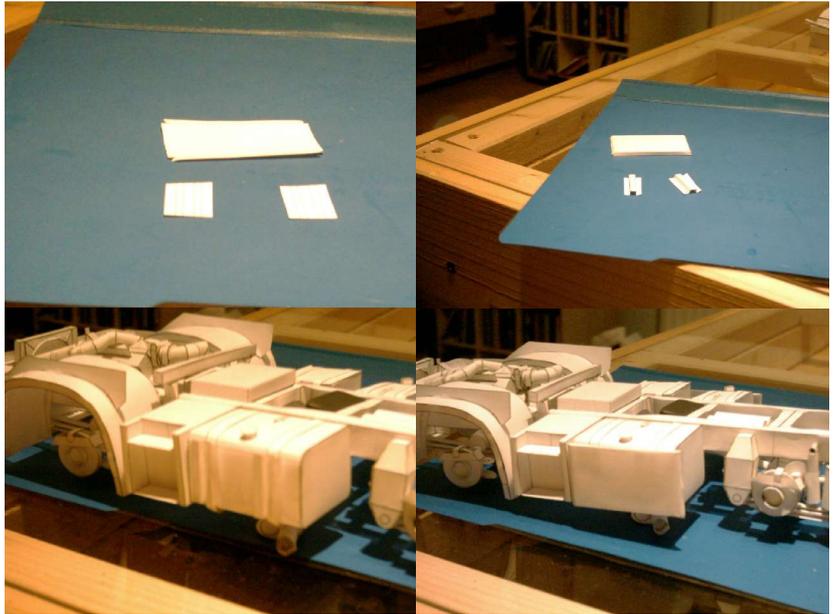
Plank

Parts of the plank [3 Parts each]

Fold and glue the plank. Fold the fittings.

You have to install the tanks before installing the planks.

Glue the fittings onto the straps of the tanks. If you have to glue a fitting onto the box-silencer, so use the similar part of the silencer (the silencer isn't so wide as the tank)

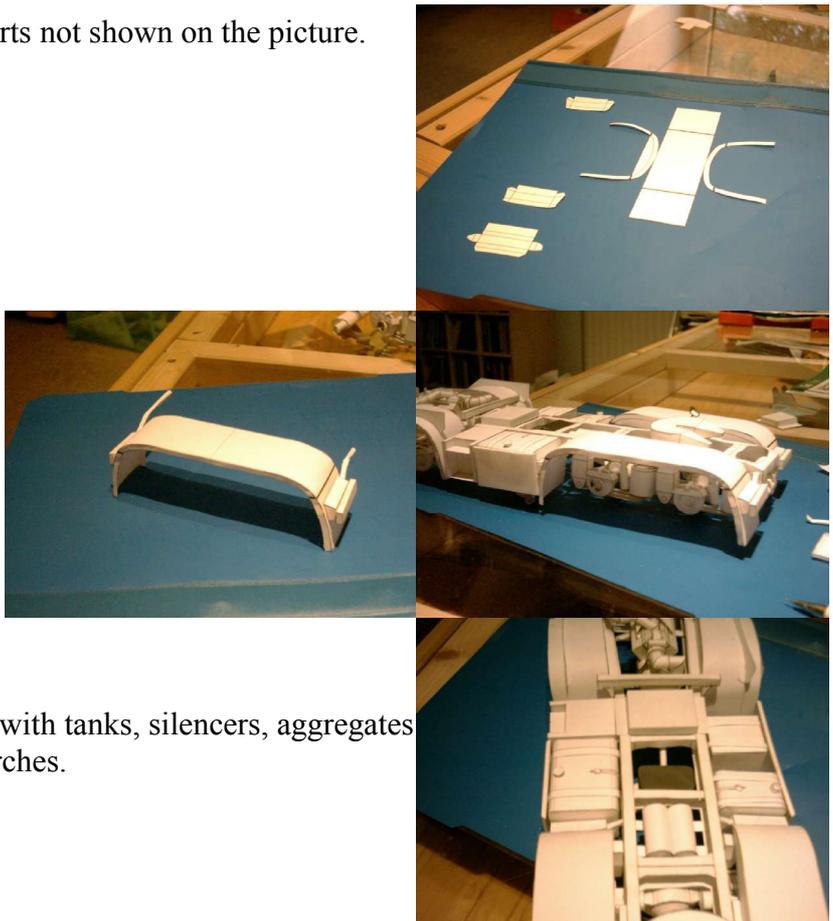


Rearwheelarches

Parts of the arch [6 Parts] Tube-parts not shown on the picture.

Picture here is for the small arch.

Roll and glue together. Roll the pipearts and bend them slightly upward and cut them back to the correct length. (They have to be in flush with the front wheelarches.) Glue the arch to the frame and to the fuel tank.

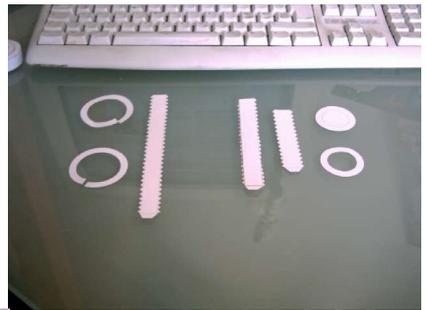


Picture shows the complete frame with tanks, silencers, aggregates and the planks and the rear wheel arches.

Wheels

Parts of the tire and the rim. [7 Parts each wheel] The small rectangular is used to connect the wheel to the brake or the axles. (not shown here) You need two wheels for a front axle, also two wheels for a rear axle. If you want double tires, so you need 4 wheels for this axle. (I don't know if i'am saying you something new ?! ;-)

Glue and roll the together, then glue the tire to the rim



Parts of the front- and rear wheelcaps [2 Parts Front, 3 Parts rear]

Roll and glue. Glue the frontcap to the outside of the wheel, and the rearcap to the inside of the wheel.

If you want double tires, so glue two wheels opposite and glue a rearcap to the outer side. Do not glue a cap to the innerside



Glue the wheels to the Axles. Roll the small rectangular, mentioned before and use it to install the wheels. They should be in flush with the wheelarches.





Picture of the finished model.
Hope you had so much fun building, as i creating this model.

