

## 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](mailto: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

nope alle in use

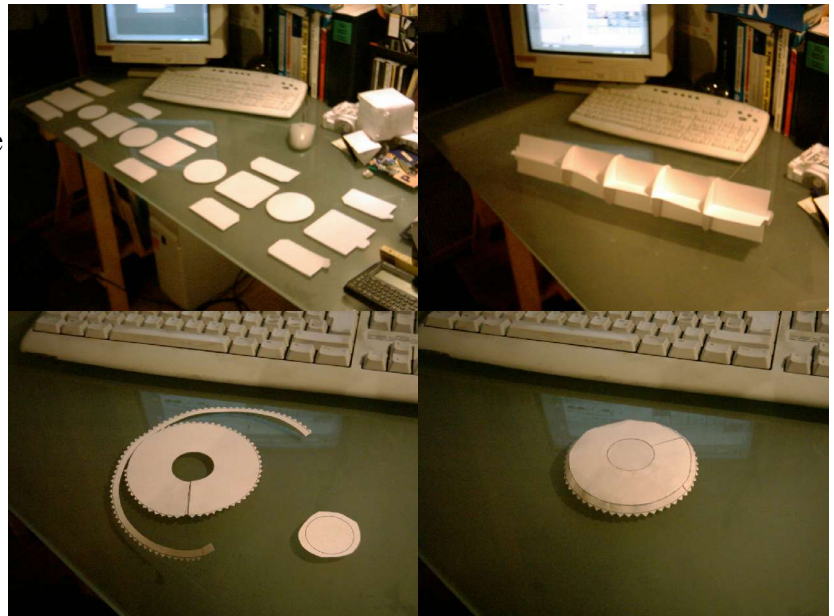
## Tank

Cut out the parts for the internal structure of the tank. [19 Parts]

Glue them together. The upper line is straight. The first segment is smaller in diameter, but longer, than a connecting segment, than 3 equal length segments.

Cut out the ends. [2 Parts each]

Fold and glue together.



Cut out the outer shells [9 Parts] Not shown here, the large flat areas.

Roll and glue them together and around the structure.

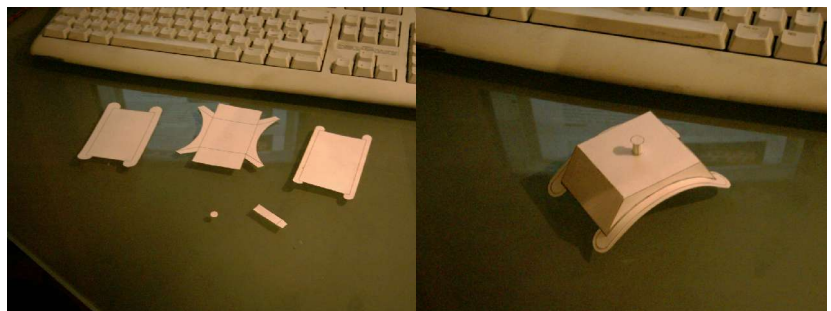
You can glue the seamlines at the edges of the segments. So you add a little detail and cover some gaps ;- ) (So as I „wanted“ to do)



## Coupling

Parts of the coupling [5 Parts]

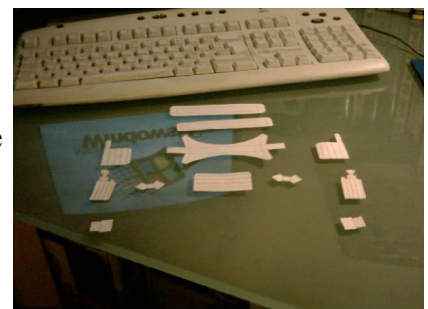
Fold, roll and glue together. Glue the smaller enforcement sheet to the coupling, and then the larger.



## Support

Parts of the support [12 Parts]

Fold and glue. The bigger standing parts have some flaps, which have to be glued inside before closing the beam. The smaller have a sprocket.



Glue the supporter to its crossbeam. (same method like coupling) (left pic) Then glue the junctionplates. Glue the baseplates to the smaller feet.

Maybe you have to glue some smaller strips of paper inside the feet to provide a proper fitting.

Right pic shows the left feet in transport and the right feet in static display. You can choose by turning the feet. The sprocket, mentioned before should fit to the inside flaps and stick for transport.



## Boxes

Parts of the crossbeam [3 Parts each, 3 times] Part of the sidebox [1 Part each side, hardly to count :-)]



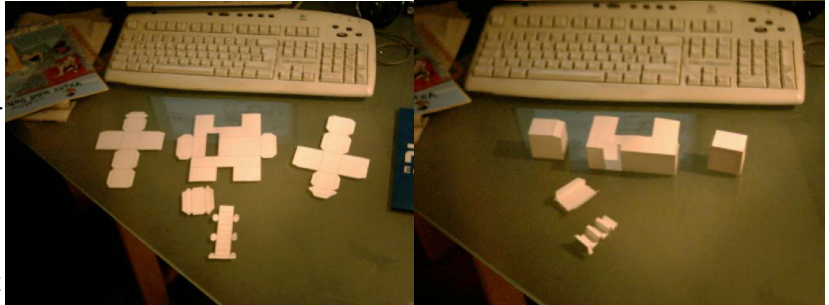
Build the 3 crossbeams like the coupling, Fold and glue the sideboxes. On picture only one sidebox and one crossbeam are shown.



Parts of the aftbox [5 Parts]

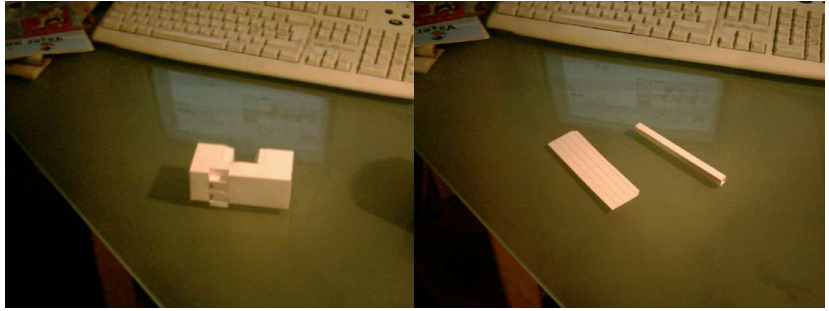
Fold and glue the two small boxes.

Fold the ladder, glue the two upper steps. Fold the last sheet. Glue the ladder to the sheet, and the sheet into the big part. The last step of the ladder is to be glued at the underpart of it



Assembled aftbox

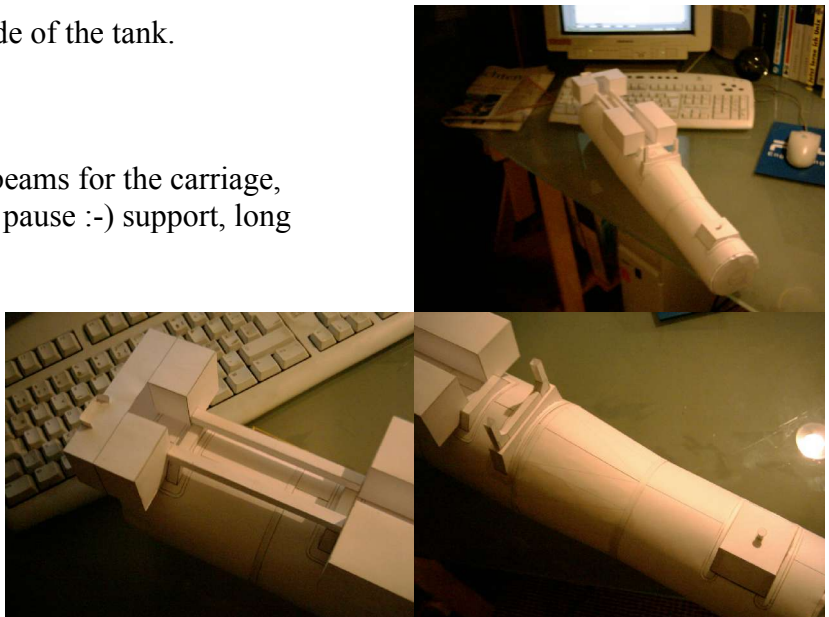
Fold and glue the beams for the carriage [2 Parts] (right pic shows cut out and glued part)



## Assembling to tank

Assemble the parts to the lower side of the tank.

Start with the aftbox, crossbeam, beams for the carriage, crossbeam, sideboxes, crossbeam, pause :-)) support, long pause :-)) coupling.



## Catwalk

Parts of the catwalk [9 Parts]

Fold and glue together. They should be as long as the segments of the tank, beside the last two, they should stretch to one and a half segment.

Glue the filling holes in the middle of the segments of the tank, a little bit angular.



## Carriage

Parts of the suspension [7 Parts each] You have to build it 4 times.

Fold the spring zig-zag and glue it into the supporters.  
Don't glue the damper-parts together.



Axleparts [1 Part each axle] Use the whole part if you go without drumbrake. Shorten the axle to the inner marking if you want to use the drumbrakes. (as shown here ) (The outer marking is for use with discbrakes)



## Drumbrakes

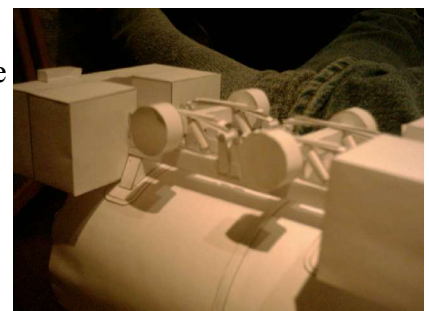
Parts of drumbrake [3 Parts each]  
Fold and glue together. Right pic shows the drumbrakes mounted to the axle, mentioned before. Maybe you have to shorten the grey lines at the drum to fit.

Before you ask : the blue thingie is a bottlecap ;-)



## Mounting of the carriage

Glue the axle to the suspension, then mount the suspensions in the middle of the beam. Bend the suspension to get the correct leveling of the trailer, then glue the outer supporter. At last glue the damper between the beam and the suspension.

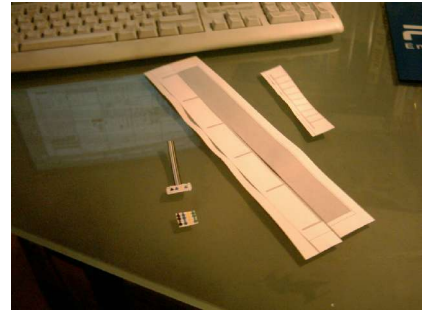


## Ladder, Handrail, connectors

2 Parts connector. 1 Part ladder, 2 Parts Handrail in static, 3 Parts Handrail in transport.

Fold and glue backside, then cut out. Shown here on the pic is one handrail in static. But the method for the second is the same, also for the transport display.

Fold the connectors and glue the other part, so that they form caps for it.



## Hosecase

Part of the hosecase [1 Part each]

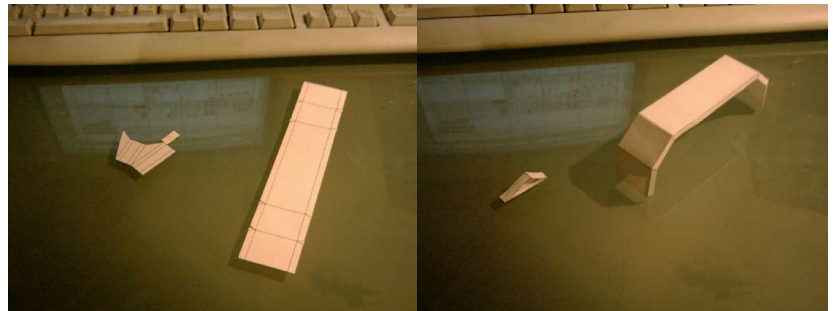
First fold the longer side and glue like right picture, then the other side. It prevent the part from bending and its a little bit easier to build.



## Mudguard

Parts of the mudguard [3 Parts each side] Picture shows only one supporter.

Fold and glue together. The supporter forms a double-T-shaped triangle.



## Fire extinguisher

Parts of the fire extinguisher [5 Parts] there are two, but you can build more if you want.

Fold and glue the hose backside.

Cut out the hose. (left) Glue the mainbody (middle) and the fitting (right). Assemble as shown. Roll the strips of the fitting around the extinguisher. The small red strip forms an opening around the end of the hose.



## Stopper

Parts of the stopper [2 Parts each]

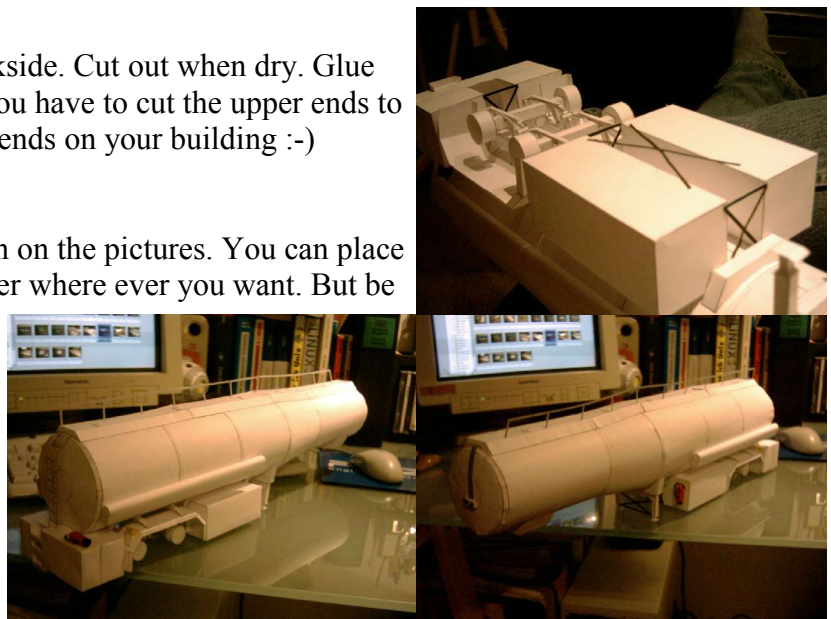
Fold and glue together.



## Assembling

Glue the bracing of the boxes backside. Cut out when dry. Glue the bracings like on the picture. You have to cut the upper ends to fit proper between the boxes. (depends on your building :-)

Glue the parts to the tank as shown on the pictures. You can place the fire extinguisher and the stopper where ever you want. But be aware to have them handy when you need them ;- ) I placed the stoppers onto the mudguard, one extinguisher onto the aftbox, and one left side of the sidebox. Place the connectors at the front of the tank, cut the lines to fit.



## Wheels

Parts of the tire and the rim. [7 Parts each wheel] The small rectangel is not used. (not shown here also )You need four rearaxlewheels for the tank.

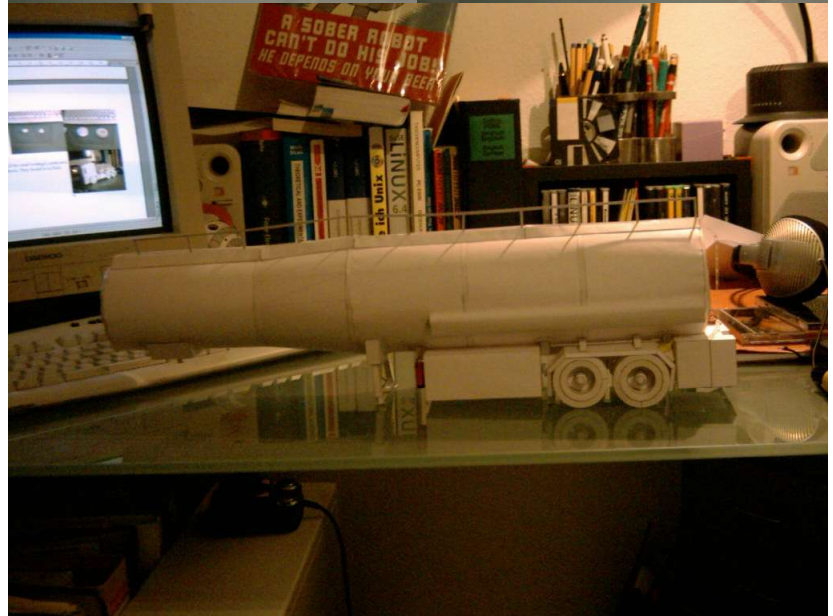
Glue and roll the togehter, then glue the tire to the rim



Parts of the front- and rearwheelcaps [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.

Glue the wheels to the axles. They should be in flush with the wheelarches.



Hope you had as much fun as i had constructing the model. Picture below is with the truck of mine, on a rainy day at night. Both in 1:24 scale.

