

## General

First read the instruction. If all is clear then cut out all pieces 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 cut, bend and fold.

If you see a big colored area beside some parts, with a small red line in the middle, 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 both sides, so they need a colored backside.)

## Not used Parts

all in use, except the diagonal supportors in the frame. (nothing to support, but they are really there)

## Model-Pages

30 Pages, print side 10 3 times, side 16 2 times and side 24 6 times..

9 Pages of Instruction

## Gooseneck

Cut out the parts of the gooseneck [10 parts and 17 parts]

Fold and glue the internal parts, at last close the Parts. Let them dry.

Fold, roll and glue the small parts. Don't roll two of the big rectangles, as shown right.

Glue the small parts into position at the big parts.

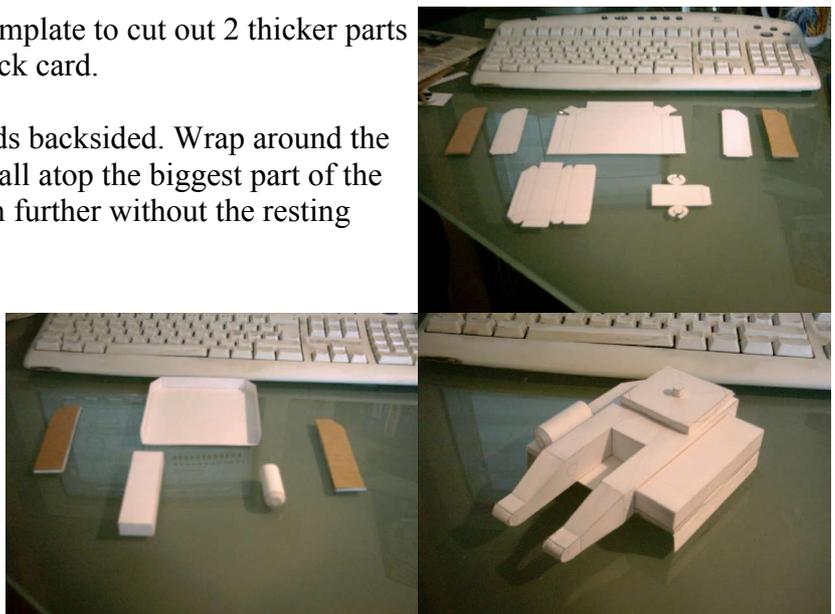
The two little assemblies shown at the bottom of the biggest parts are only used if you want to build the trailer disconnected. In this state they rest at the frame of the truck . If you want to build the trailer loaded and hauled they are not used.



## Loadingplate

Cut out the parts [7 parts] use the template to cut out 2 thicker parts to gain some strength. Use 3mm thick card.

Fold glue the parts. The lodingboards backsided. Wrap around the thicker parts the outside. Assemble all atop the biggest part of the gooseneck. The gooseneck is shown further without the resting parts mentioned above.



## Axlecarrier

Cut out the parts [10 parts]

Fold and glue the end parts backside. Cut out a thicker (3mm) card, using the template.

Insert the internal parts into the mainbeam, close it, but cut before to be able to insert the two plates (up right pic, assembled left middle pic with the card) They have a overlapping section, but be aware to glue them right.

Fold and glue the platform.

Then glue the cart atop the carrier and then into the platform.

Use the othere parts to birdge a gap if there (This parts aren't shown here)



## Wheels

Parts of the tire and the rim. [7 Parts each wheel] The small rectangel is used to connect the wheel to the brake or the axles. (not shown here)

You need 24 wheels.

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



## Brakes

Cut out the parts [3 parts each] you will need 12 brakes, if you want to build them, if you don't really need them.

Cut out, fold and glue together.

Maybe you can insert a small strengthener in the drum.



## Axles

Cut out the parts [8 parts each]  
Axle-part is not shown here. You need 6 axles.

Fold and glue according to the pic right. The two left parts form a hydraulic-cylinder, so one part have to fit into the other.

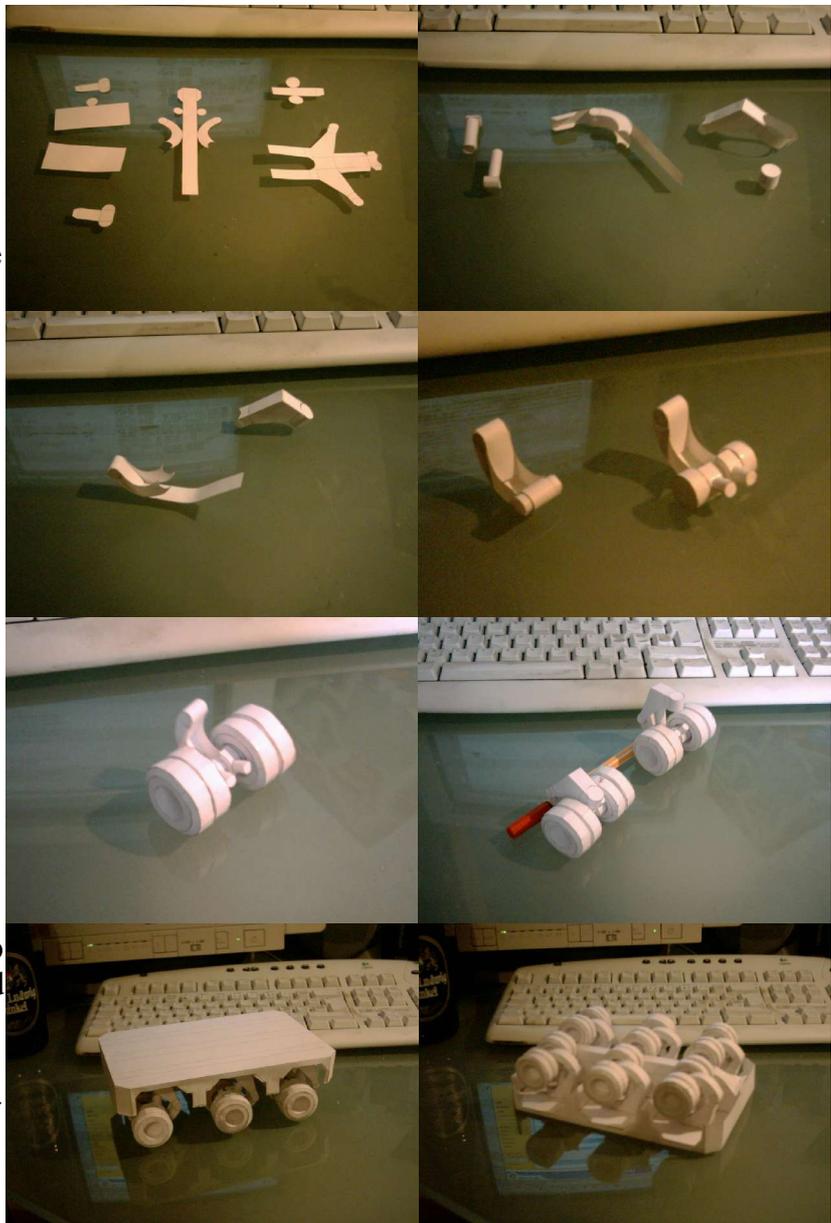
Wrap the right part around the drum. This is the connection to the carrier.

Wrap the left part around the axlepart. If you don't want to build the brakes its a broader axle, to bridge the gap for the not build brake. Shown here is with brakes.

After sorting the tires, glue two of them check to check, and glue them to the brakes.

You now have to choose the traveling-high of the trailer. Right pic here shows the lower and the higher position. Glue together and insert the hydraulic-cylinder to keep things stable. You can see him good at the high positioned axle.

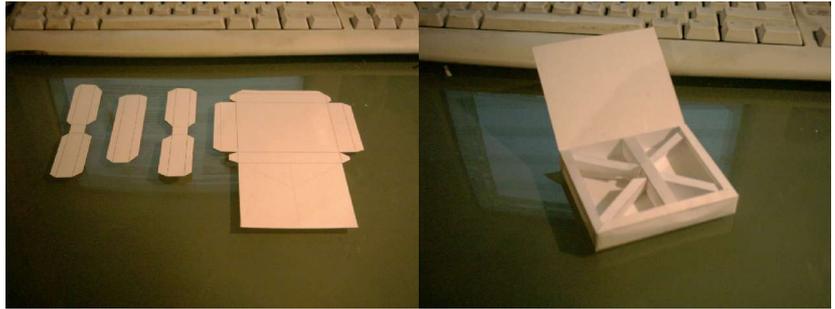
At least glue the axles to the carrier. You can deflect the axles also, here they are straight forward.



### Dropdeck-Middlepart

Cut out the parts [4 parts each] For this model, you need 3 different middleparts.

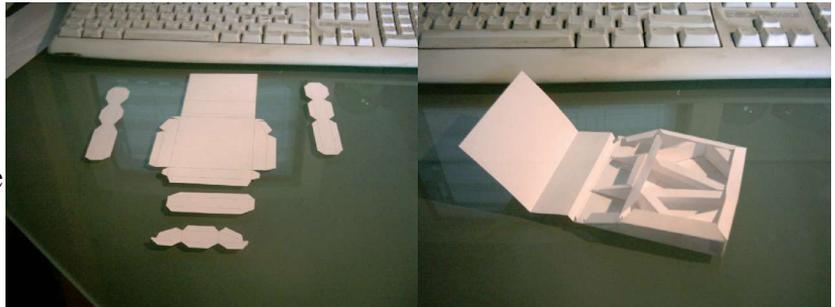
Fold glue, close, let dry. Nothing special here.



### Dropdeck-Endpart

Cut out the parts [5 parts each] For this model, you need 2 different endparts.

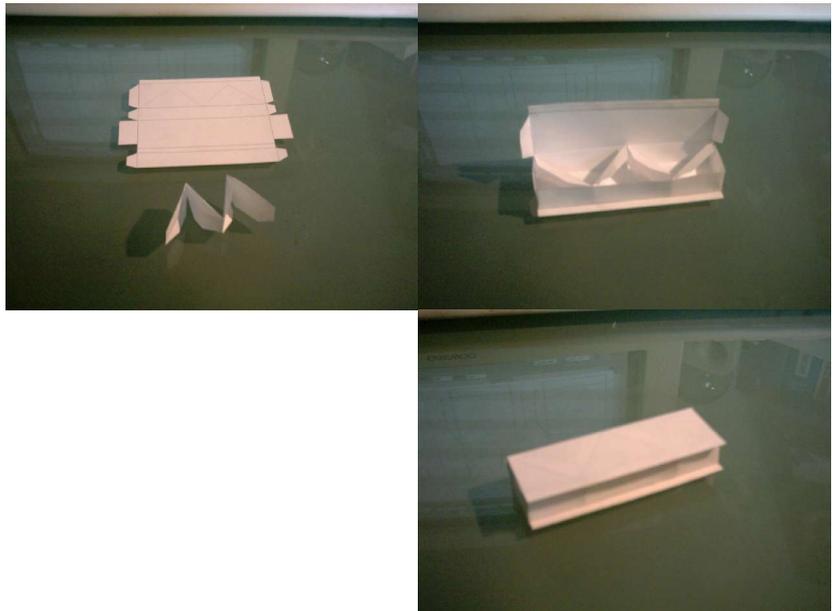
Fold glue, close, let dry. Look at the markings for the internal parts Also nothing special here.



### Dropdeck-Sidepart

Cut out the parts [2 parts each] you need 6 sideparts.

Fold glue close, let dry. Also nothing special, except the outside forms a C-shape. Later there will be sideextensions



## Wheelrecess

Cut out the parts [7 parts each] you need this 4 times.

Fold and glue together the big part to form the wheelrecess.  
Fold and glue the left parts, so there is a gap in the middle. Now fold and glue the four right parts.

Slip them into the gap and glue them together, so they can slip out.  
Glue the wheelrecess to its dropdeck-middleparts.

You have now a wheelrecess for big wheeled engines or a big flat loading-surface for whatsoever. The right pic shows one in wheelrecess-mode and one in flat-mode, with one recess removed.



## Assembling

First get all the dropdeck and wheelrecess, and glue them together, glue atop the upper surface. (Its middle ist twice for some eventually unexactly :-)

Let dry.

Meanwhile get the connecting-hinges and glue them together. You need one of the bigger and eight of the smaller.

Take the gooseneck and the wheelcarrier and glue them together as shown here in the pic. Let the trailer dry. Support it so that it will be in level.

Now glue the big part of the gooseneck to the trailer, again with respect to the truck, which will haul it. Here the hight is the same, so the gooseneck will not bend. Add the hydraulic at the gooseneck, inserting the rectangular into the pipe, formed earlier. You see left the position of the 4 small hinges, at the carrier, its the same. At last add the bottom surface to finish the loading-surface ( no pic for, but it is not too difficult ;-).



## Bumper

cut the parts [8 parts]

Glue the beams backside, cut them to the right length.

Insert the internal part into the bumper and close it.

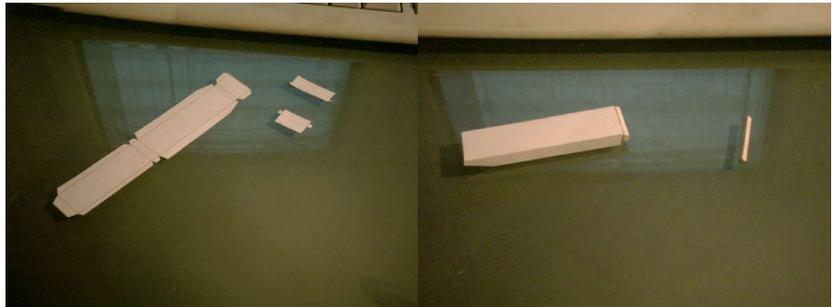
Glue the lights and glue them to the bumper.



## Loadingramp

Cut out the parts [3 parts each]

Glue together and glue the rectangular-beam to the ramp. The triangular is the rail at the carrier.



## Loadingramp-front

Cut out the parts [5 parts each]

Fold and glue left parts at the right pic shows the two parts, and right the assembled. You can glue them together, but also let the ramp pivoting.



## Sideextensions

Cut out the parts. Fold the extensions backside and glue them to the base. You can use the strips to let them pivoting. The places are marked at the uncolored base. But you can also take the colored base and prevent glueing the extensions.



## Final assembly

Glue the loadingramps, sideextensions and the bumper to the trailer.



At least you will find some chains, strings, and gloves cluttering around. You can build them too and use them for the model (i.e. Use the chains to fasten the loading)

Pic of the trailer, also loaded with the excavator and hauled by the first truck.



Hope you had as much fun building this modell as i.