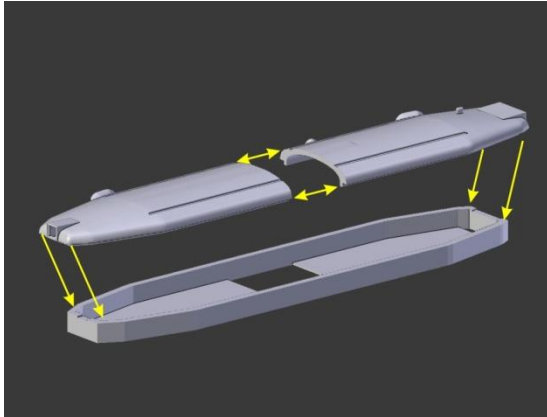


Buher model - Vamitools TMK 101 (H0m) assembly instructions

Thank you for choosing our product!

The kit contains 3D printed resin and PLA parts, templates and laser cut plexiglass windows.

ROOF

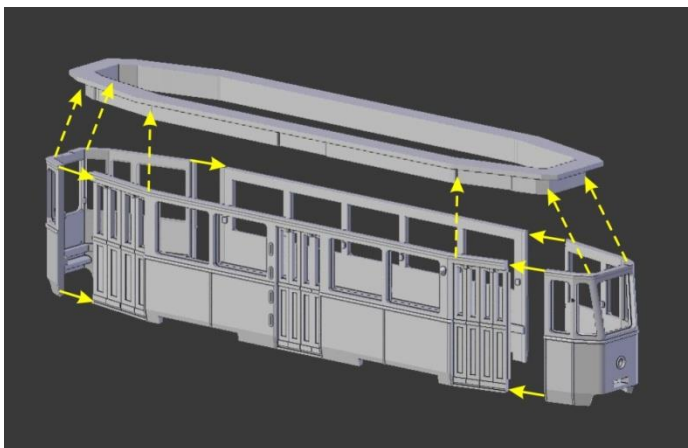


For technological reasons the roof is printed in two pieces. Use the template to glue them together! The template will help you to make the two parts fit properly in one plane and in one line. If necessary, sand the joining surfaces! Make sure that the template is not glued to the elements! It's worth using a few drops of glue to set the exact fit, and once this is holding, remove the template, and finish the gluing over the entire joint! The joint will definitely need to be filled and sanded afterwards! Do not glue the roof superstructure yet, so as not to

damage it!

BODY

For technological reasons, the carriage body is printed in four parts. Accurate fitting is aided by flanges and grooves, but dimensionally accurate and flush (non twisting) fitting can be achieved, using the template. Again, make sure that no glue gets between the template and the elements! After this, you can glue the finished roof to the body.

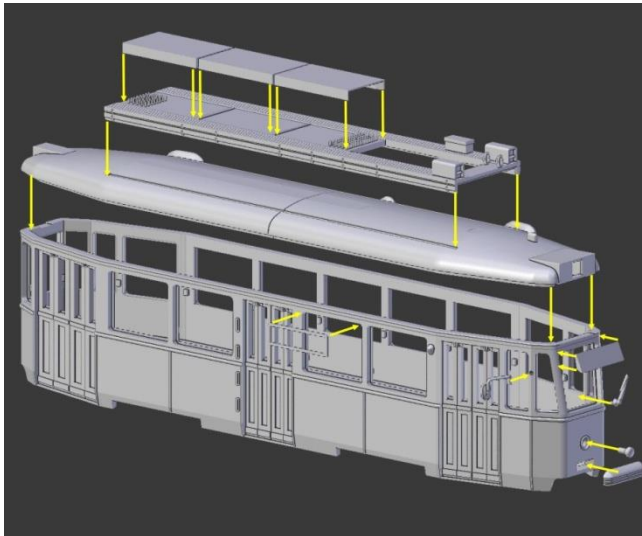


The windows must be inserted from the outside after painting the body. The inner sides of the poles are flanged, and the plexiglass panels must rest on these. In optimal case, little force is needed to insert the windows, and they will then stick in place without gluing. Care must be taken not to crack the plexiglass or the resin body! If they cannot be mounted with light pressure, rather sand the plexiglass elements! If one of them doesn't stick in place, fix it with a few

drops of glue! The windows of the door wings are only supported by flanges at the top and bottom, as there is no room for them on their sides.

To imitate the opening frames, the windows have an engraved line running along the sides. Of course, these don't protrude from the surface like the original frames. Optionally, the supplied plastic

frames can be inserted. For technological reasons, however, these are a bit thicker than the exact scaled ones should be, so it is left to the user's taste which option they prefer.



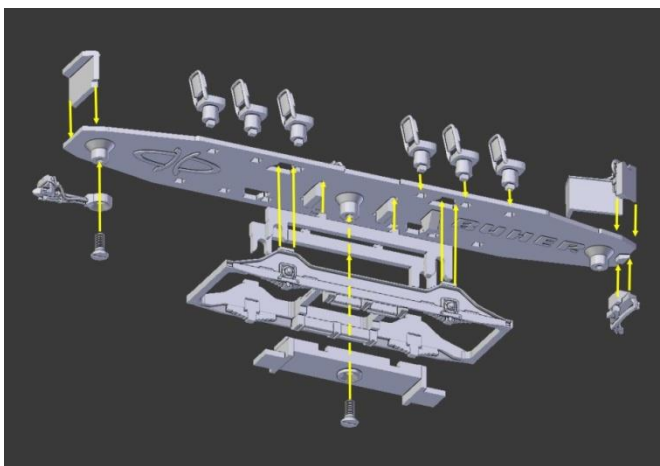
The last step is to glue the tiny elements. The position of the mirror is indicated by a small indentation on the window pillar. The wiper should be glued into the hole of the windscreen. The bodies of headlight and rear signalslights should be glued in the appropriate holes after their frames have been painted silver! The rear lights should be painted by red and orange transparent paint before fitting!

ATTENTION! Do not glue the bumper! Put it in place only after the assembly of the body and chassis! Due to its wedge-shaped design, it will squeeze into the gap and hold the

cabinet together with the chassis, but can be removed if necessary to access the interior of the car (similar to some Atlas and Brekina models).

No pantograph was made for this model. For the prototype we used a slightly modified one, that is available on Ali Express. This is far from a perfect solution, it differs from the one used by ZET in many details, so the elements needed to fix it including the screw hole in the roof have been omitted, leaving the possibility for the future owner to make them corresponding to a different type of pantograph.

Chassis



Glue the bearing forks to the bottom of the floor plate! Attention, the front and rear forks differ in heights (the front is higher), so they must be positioned as shown in the diagram! The rear axle rests on the two bearing forks, while the front axle rests on the central support, so it can wobble a little (three-point suspension). The chassis frame consists of two identical parts, which must be glued together by rotating them in proper position. It is not necessary to glue it to the floor plate, the screw mounted cover plate will prevent either the frame or

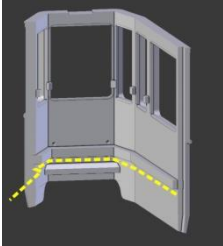
the wheels from falling out.

Wheels. Cut two 14.5 mm long pieces of the supplied styrene tube! These will be the axles. Glue the wheels to the ends of the axles! Make sure that the axle is perpendicular to the plane of the wheels and that the distance between the inner edges of the flanges corresponds to the H0m gauge (12 mm). Attention, the cover plate fits to the bearing forks, so the front and rear parts are different!

Glue the front coupler to the front side of the floor plate! Fix the rear one with a screw!

Glue the seats and driver's cab controls to the top of the floorplate! Make sure that the body and the finished chassis can be joined without obstruction!

FINAL ASSEMBLY



Insert the rear part of the floor plate into the groove at the back of the body (on the inner side of the rear wall). The body can then be carefully "closed" onto the chassis. A flange running around the inner side of the body will help you to position it accurately. Finally, secure the chassis to the cabinet by inserting the bumper! The wedge-shaped stem of the bumper will be wedged into the cabinet slot and prevent the chassis from falling out.