

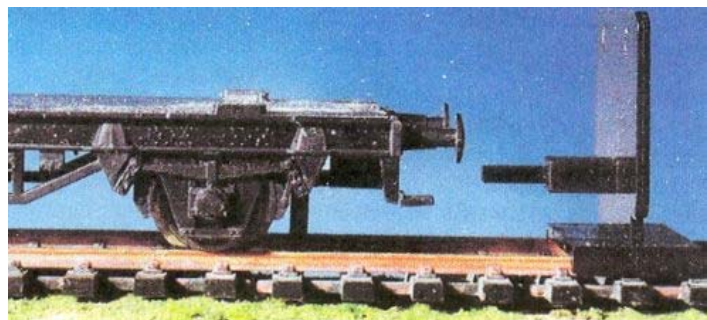
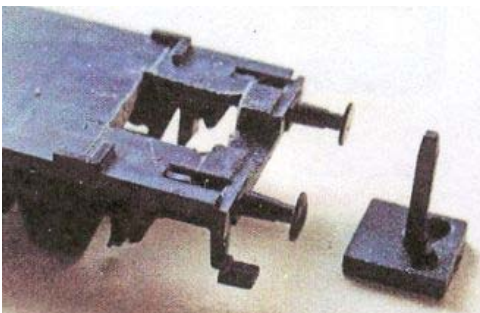


Close coupling kinematics and other accessories for model railways

Assembly instructions for our kinematics

The SYMOBA kinematics can be attached to various models. That way they almost run buffer to buffer while optimizing the running performance. In the following you'll find the instructions of how to attach the kinematics:

- First you detach the old coupling.
- Here is how to identify the correct NEM pocket: To start, press pocket 103 onto the pin of the kinematics. Then put these two together onto the adjustment unit 102. This way, the correct attachment position is easily identified (see illustration). Alternatively, using pocket 110 brings the kinematics 111 closer to the headstock. Pocket 107 is mainly used if the kinematics cannot be mounted in the required height or if it is required by axles or other parts of the wagon.



- The next steps differ depending on the vehicle: in some models you have to detach the coupling holder thus creating an even surface for gluing the kinematics. The model in the picture had to be disassembled to cut out the cart floor. The kinematic is then glued under the bottom of the car. Only in very few cases is milling necessary.
- The kinematics is attached using two-component adhesive. Prior to that, every surface is degreased using rubbing alcohol. In tests, UHU Plus Schnellfest has been convincing since the junction is not completely hardened after the hardening process. Hence the adhesive can be removed residue-free if the test run does not turn out to be as expected.
- For adjusting the coupling height, put the adjustment unit onto an even track. Choose the height of the pocket so that the pin of the adjustment unit slides into the slot without backfill. The overlaying part of the pin may be shortened. Usually it is not necessary to glue the pocket (for using the pocket 110 see below).
- In the end a coupling head is put into the NEM pocket. You can use every coupling head created following the NEM guidelines. After that the model runs on your track using a close coupling kinematic.
- For the pocket 110, the coupling head has to be inserted prior to pressing the slot onto the pin of the kinematics. The coupling height is adjusted by using another wagon which is also run by a kinematic.

Legal remark: Please consider: modifying a model voids all warranty claims (if still existing). Modifications are not reversible in a lot of models. We cannot guarantee that every model may be modified and may run on manufacturers' narrow radii without risk of derailling.

If you are unsure, please do not hesitate to contact us. We would be glad to help you out.

Your SYMOBA-Team