

# 1/35 German Tank Wagon

contains 1 highly detailed and accurate model

**124** resin parts

**140** PE parts

+ plastic parts and wires needed for assembly

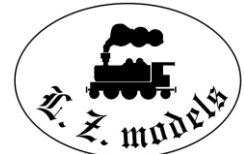
decals for one wagon

glue and paints not included

suitable for advanced modellers

keep safety rules for work with resin

instructions and references on CD



No.35114

[WWW.LZmodels.com](http://WWW.LZmodels.com)

Made in EU

**Keep safety rules when working with resin.**

**For safety reasons, and due to the complexity of construction, this kit is recommended only for advanced modellers.**

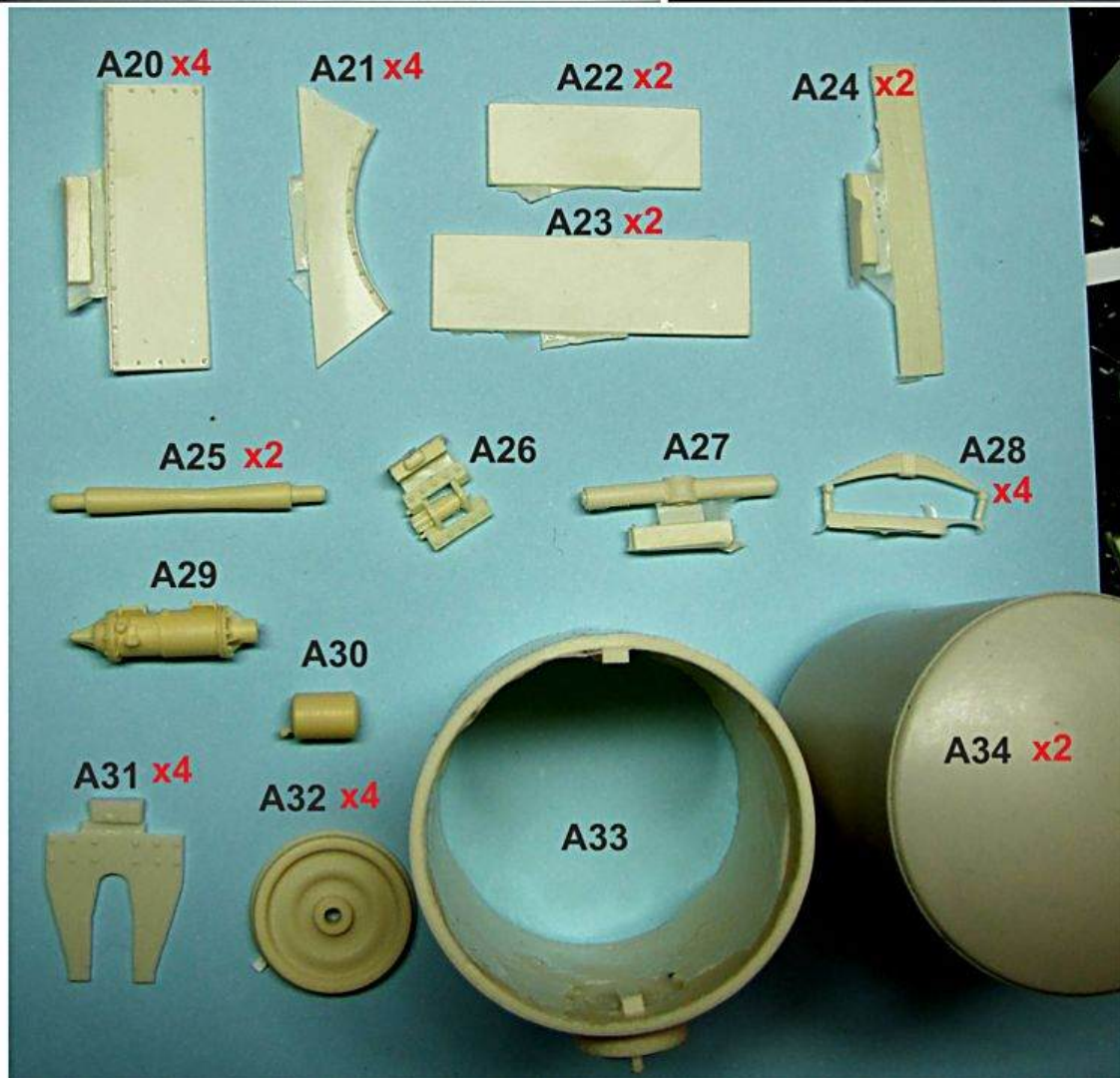
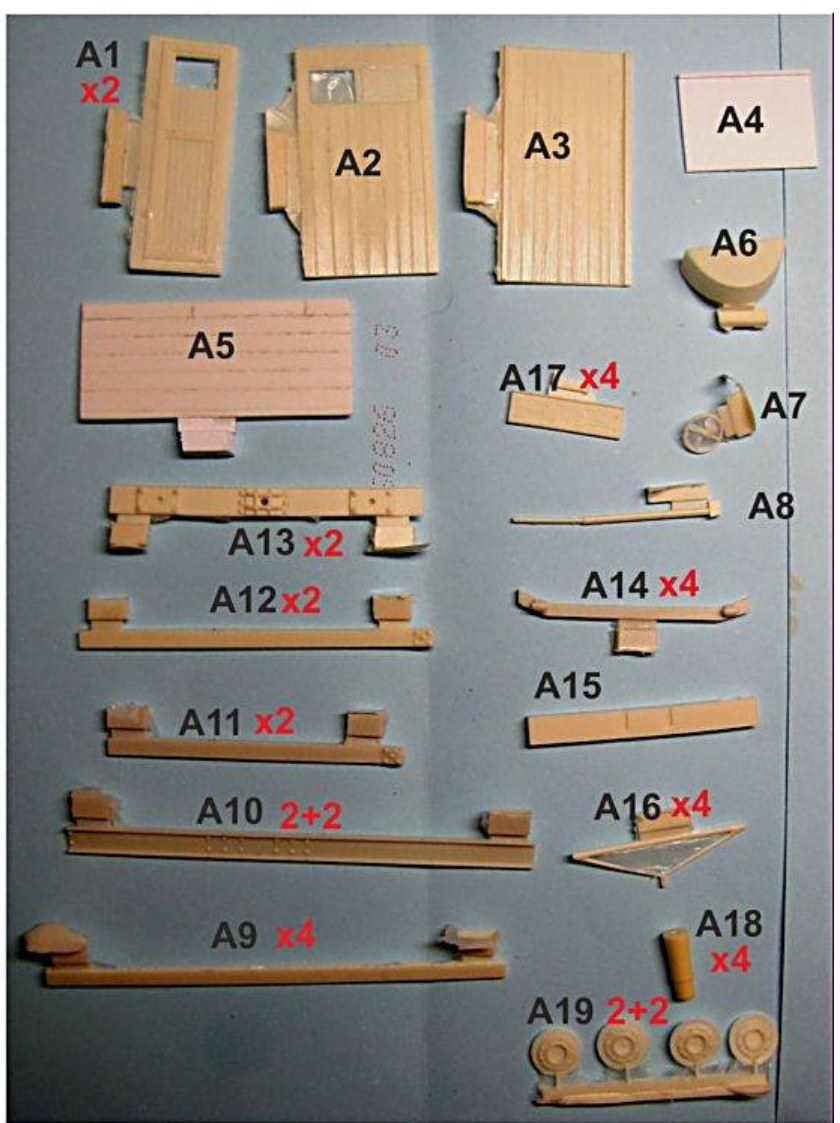
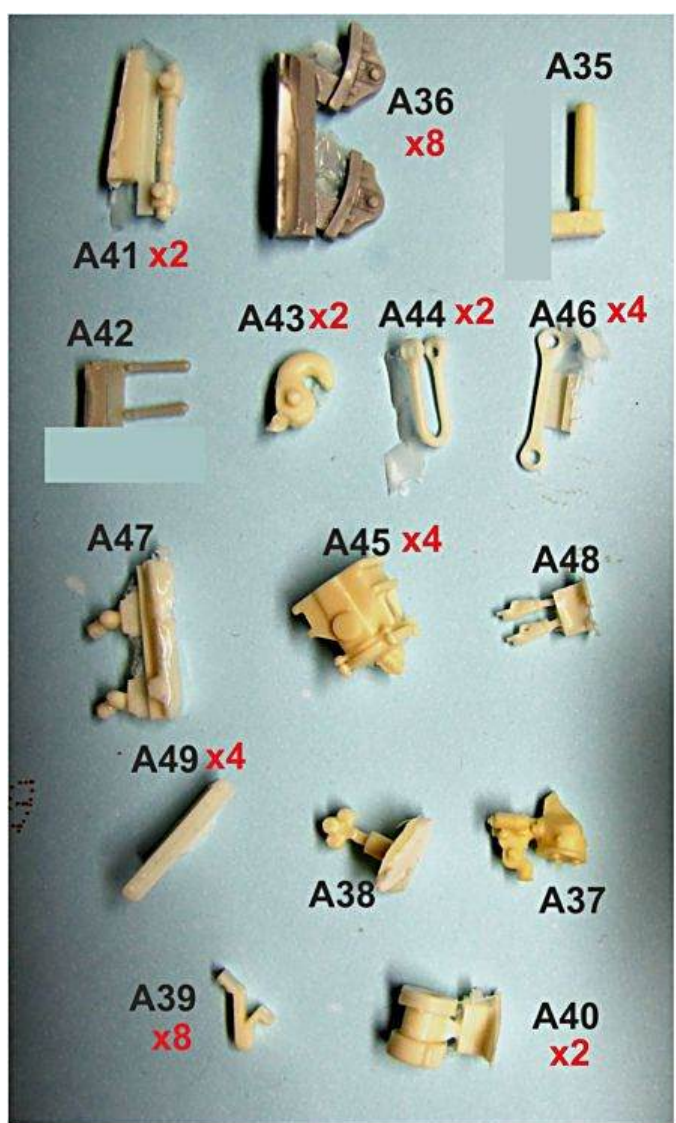
**The kit contains small parts, keep it out of the reach of children.**

**Glue and paints not included**

**Contains 124 resin parts, 140 PE parts and plastic parts and wires needed for assembly**

Tank wagons to transport various liquids appeared as soon as the railway itself. In Germany many different designs were used since 19th century - unlike most of other wagons, these were not manufactured in large numbers in certain factories or on demand of the Deutsche Reichsbahn, but they were rather borrowed or rented by DR from private owners and companies. These wagons played one of the most important tasks during WWII, taking care of fuel supplies to the battlefield

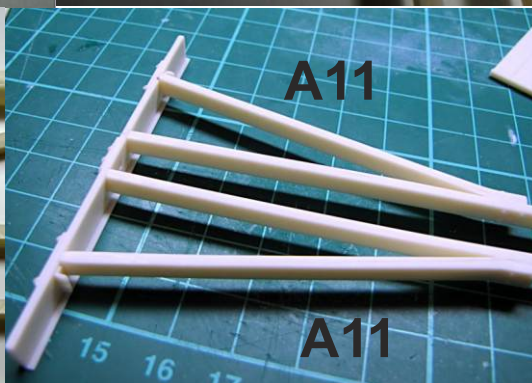
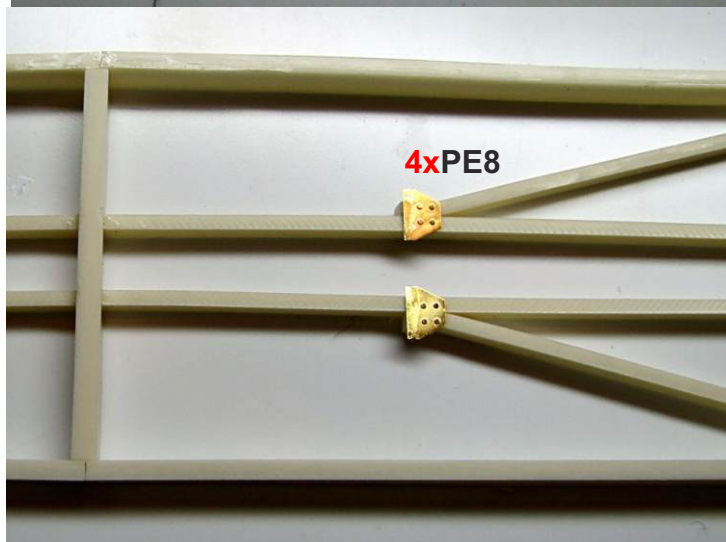
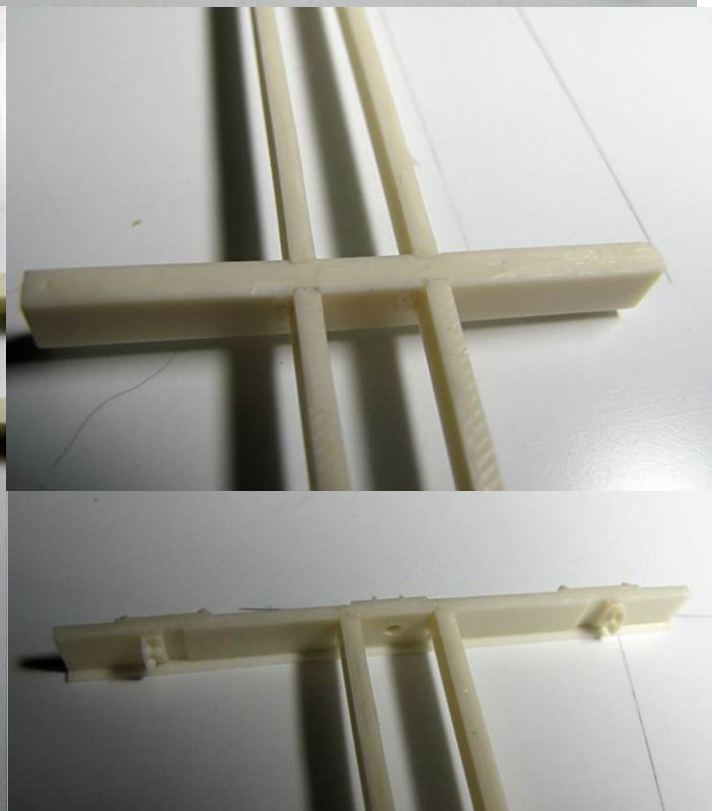
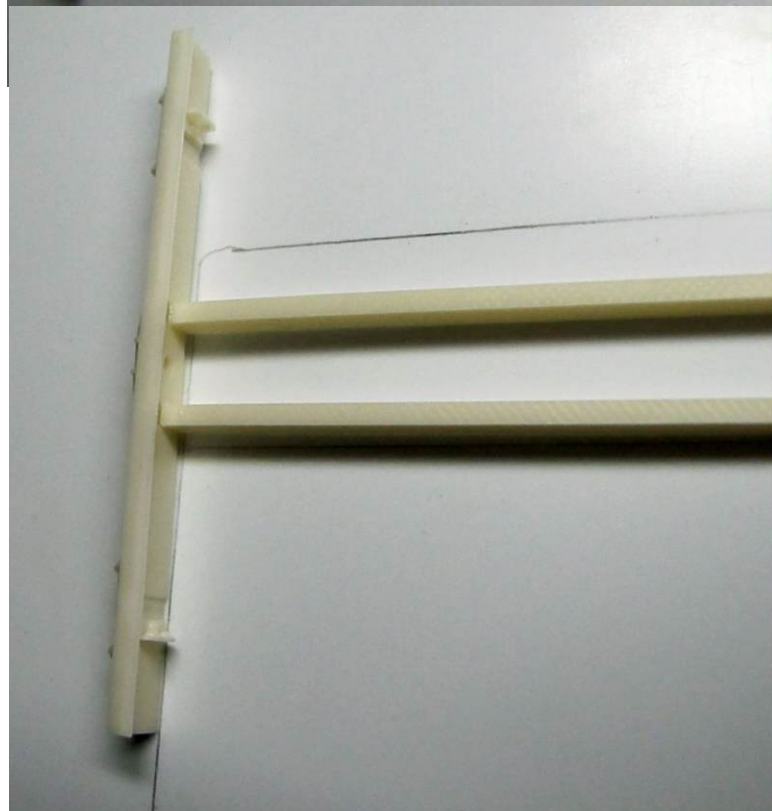
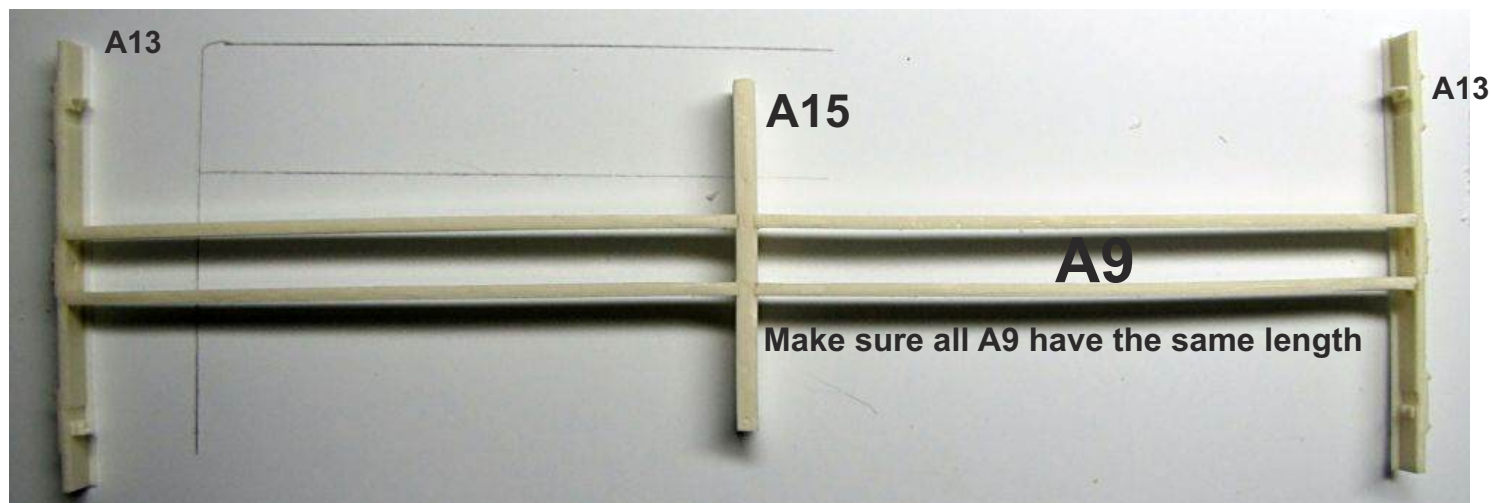
Kit contains many thin, but larger or long parts, some can warp or bend in the box during time period, especially if stored in hotter conditions. It is very easy, but also necessary to fix these before build - simply put them in hot water shortly and let them cool on flat surface like glass. Another way is to lay them on flat surface first and heat them up using a hair dryer.





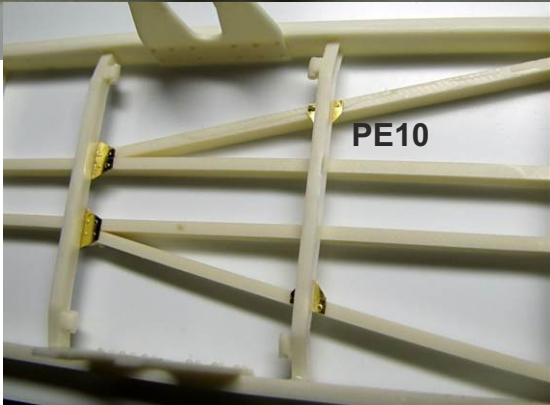
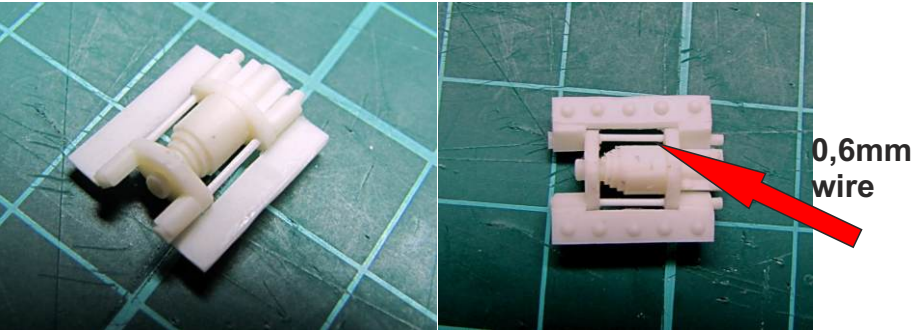
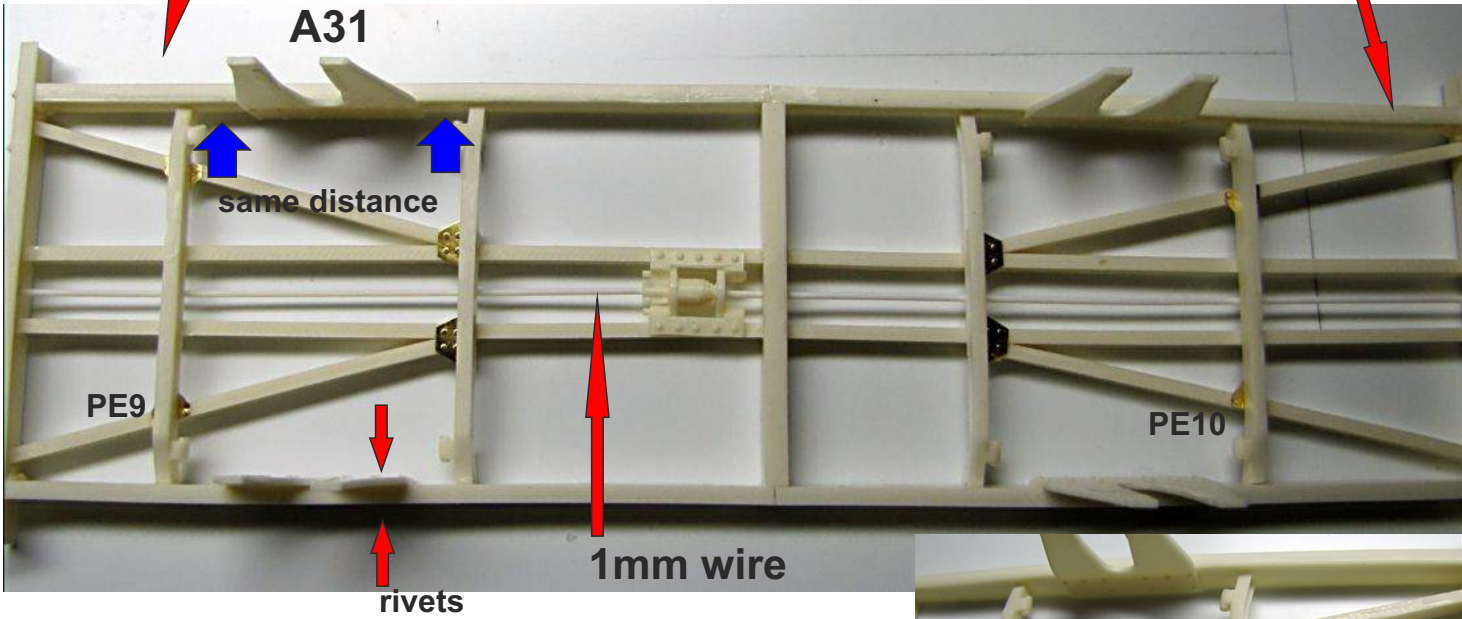
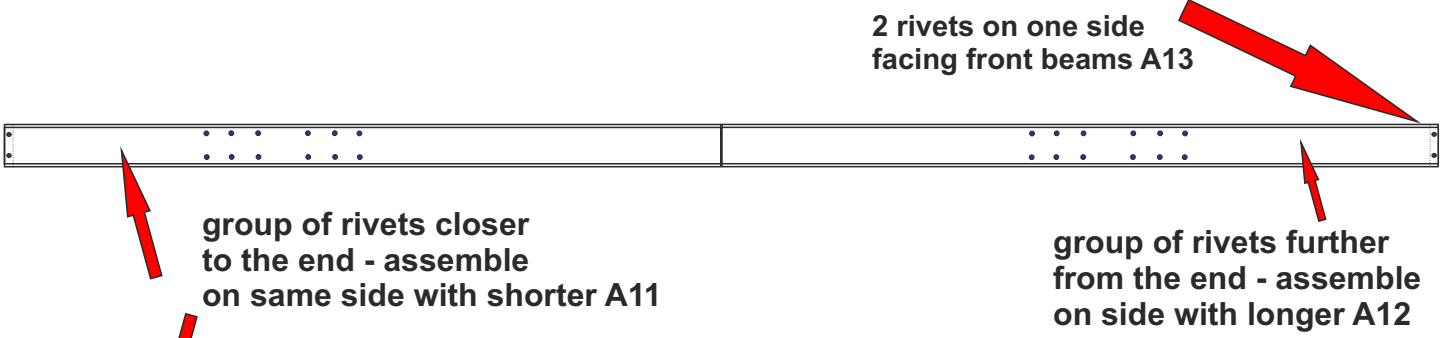
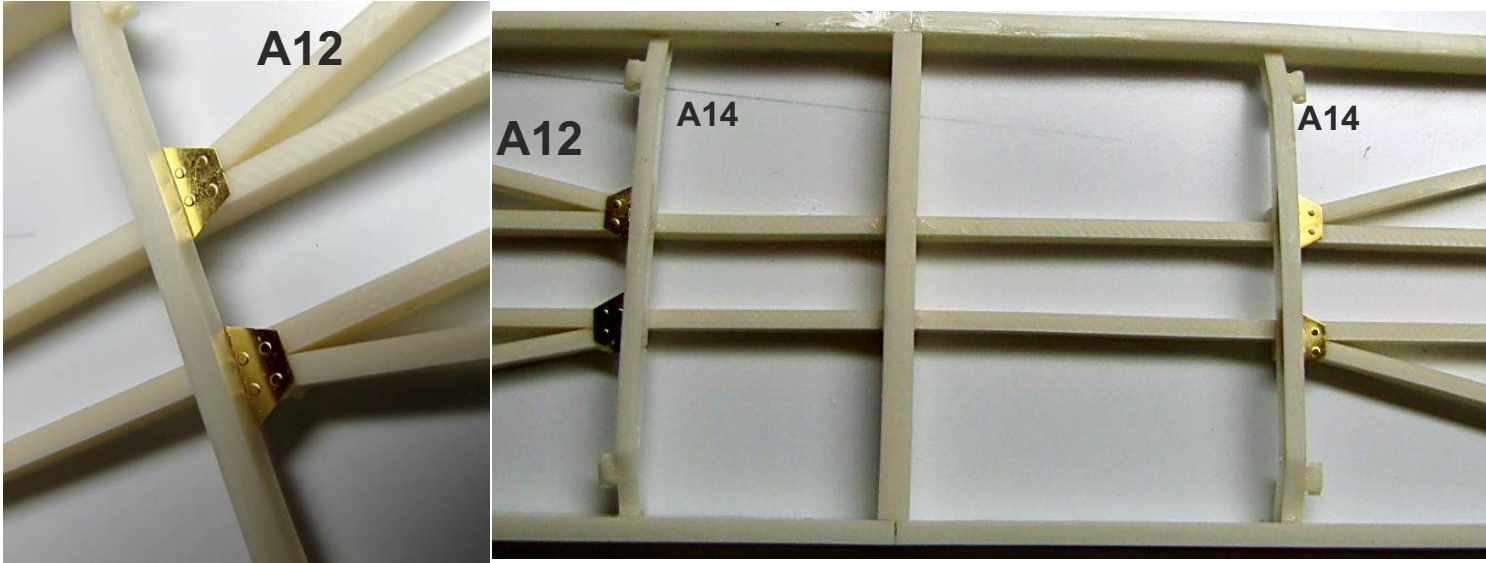
# Assembly:

The kit contains many long, but thin parts, some of them might warp in time, it is resin nature and also storage in hotter conditions can cause warping. It is easy to correct with help of hot water or fast blow with hair dryer - fix such a part and then leave it cool on perfectly flat surface. Assembly is easy, but it is very important to keep eye on right angle in any corner, also perfectly flat working surface is a need.

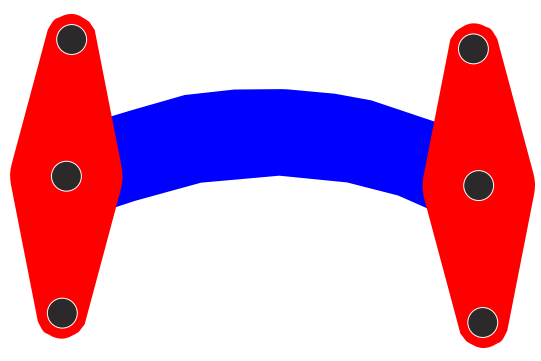
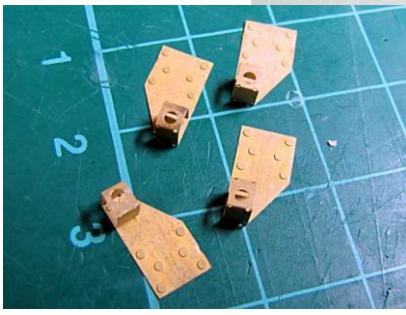
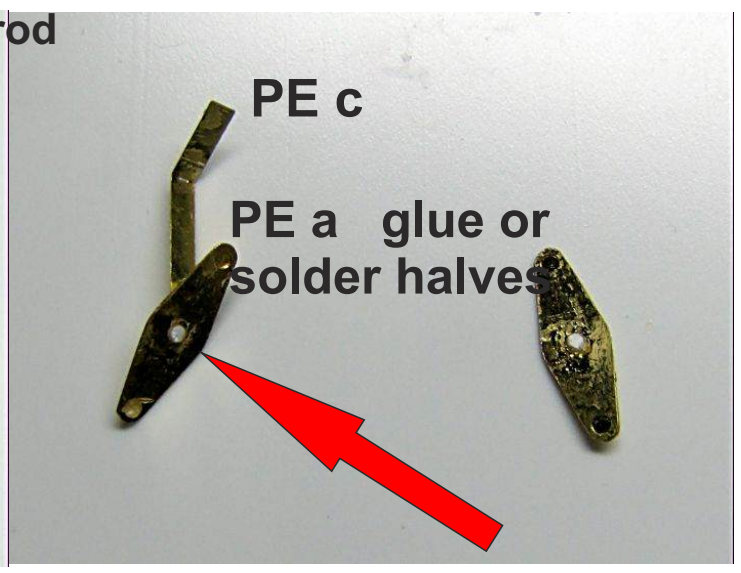
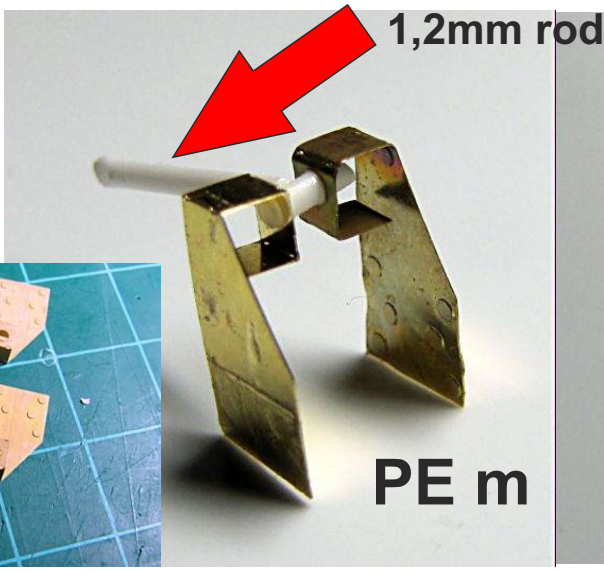


assemble 2x A11 at one side, while both A12 at the other one - later the brake booth will be assembled at the end with longer A12 parts

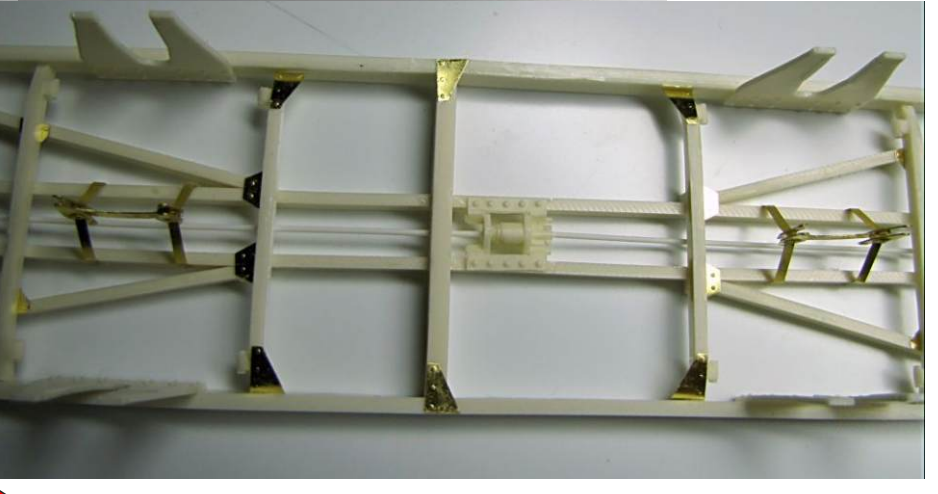
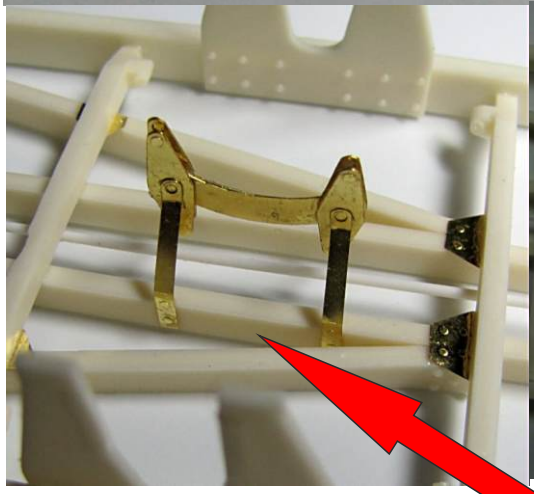
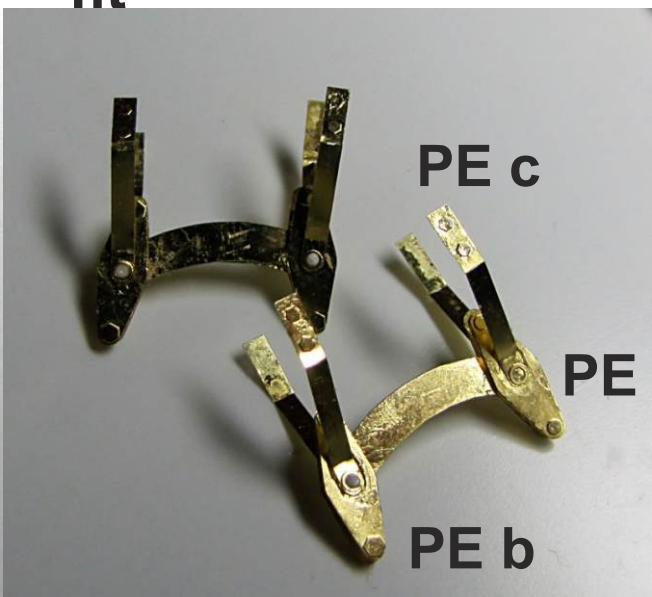
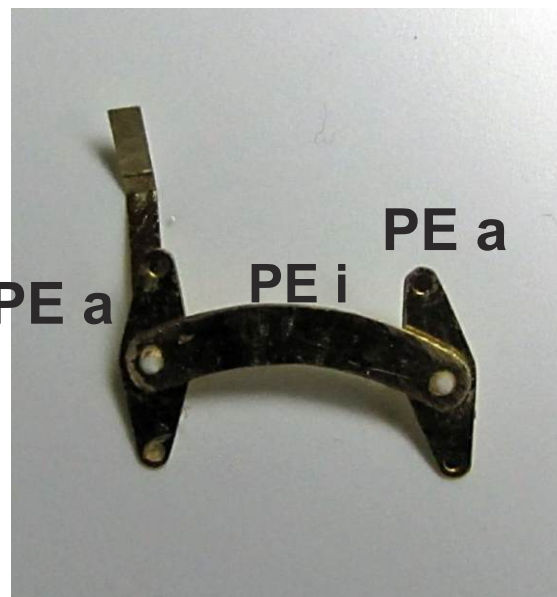
Very little sanding might be needed to get exact length of channels A10 - simply any resin castings always shrink a bit, so these parts are about 0,2mm longer than they need to be - to avoid trouble with short sides. When you have assembled all four A10, assemble inner A14 - you might again need to short their length by sanding a bit to fir perfectly between sides A10. Then assemble 4xA31, make sure rivets on their inner side correspond with rivets on A10 exactly. Assemble outer A14 - make sure that distance between them and A313 is very same like on the other side - then add PE9 and PE10





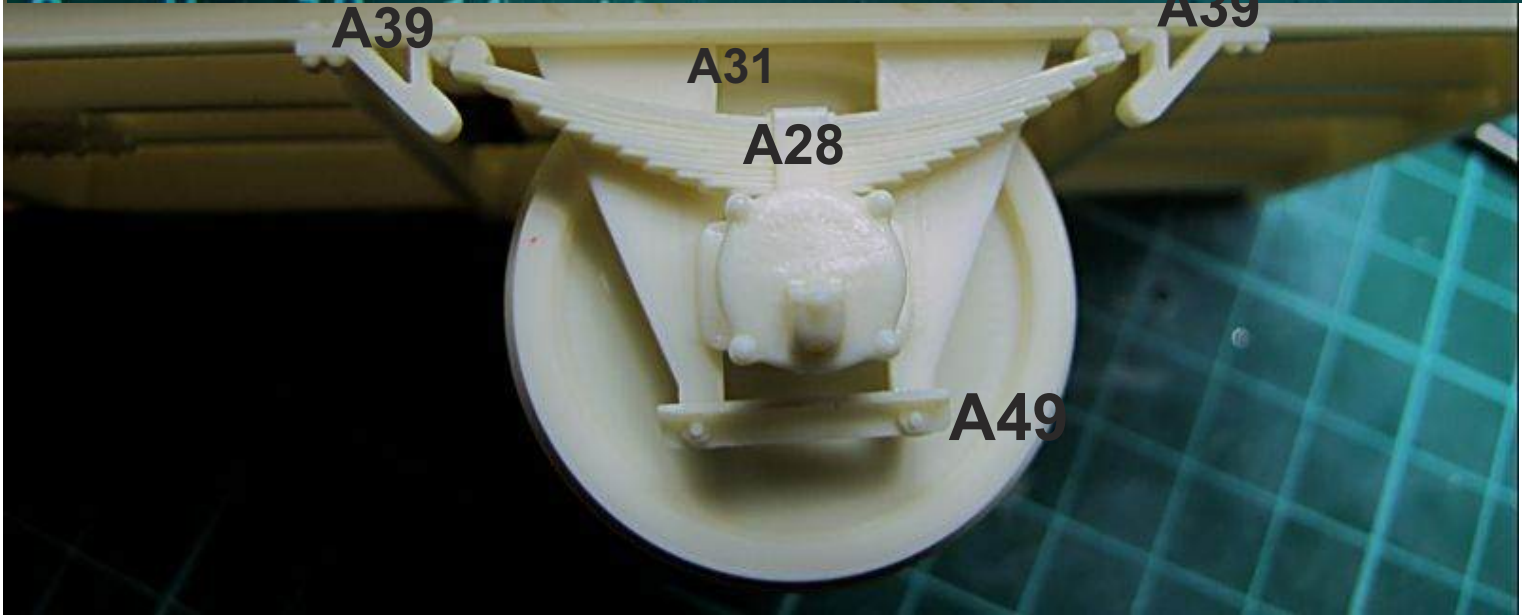
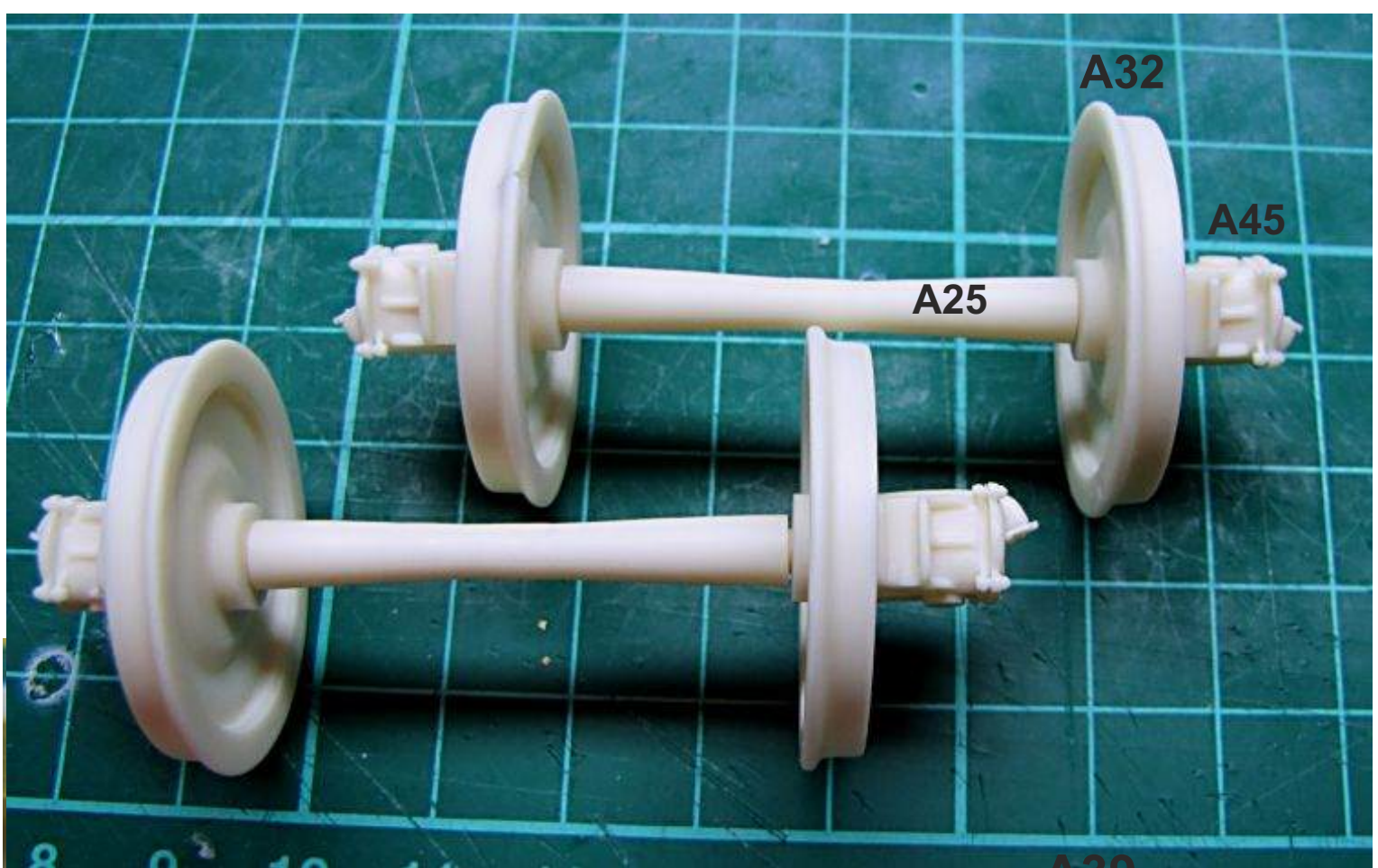


position of the brake arms should be like this for further fit



place completed arms right in the middle between A14

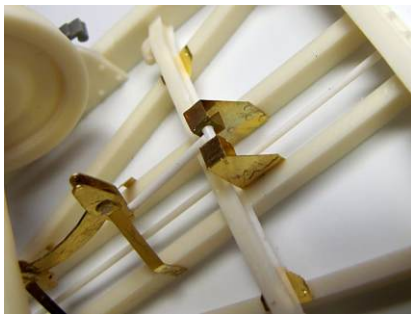




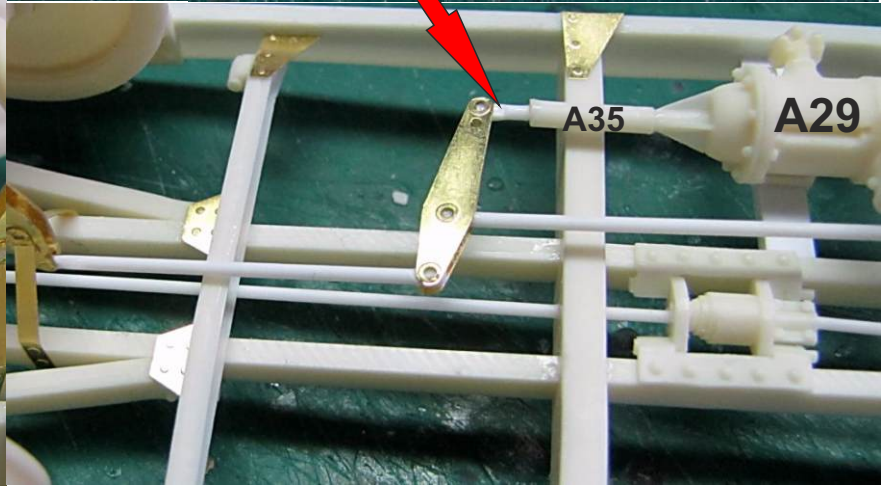
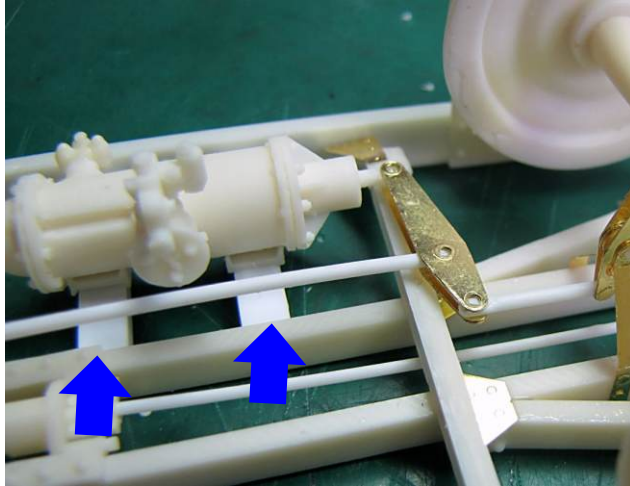
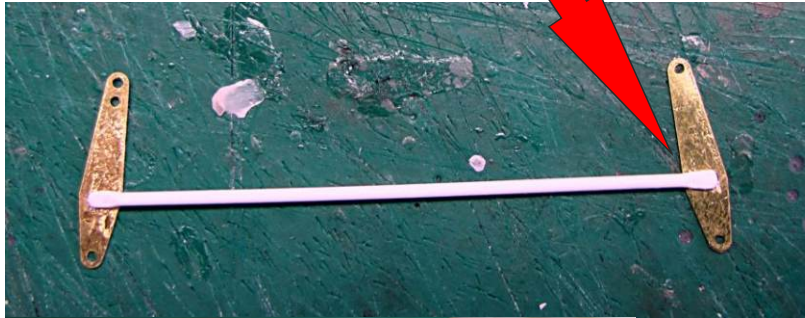
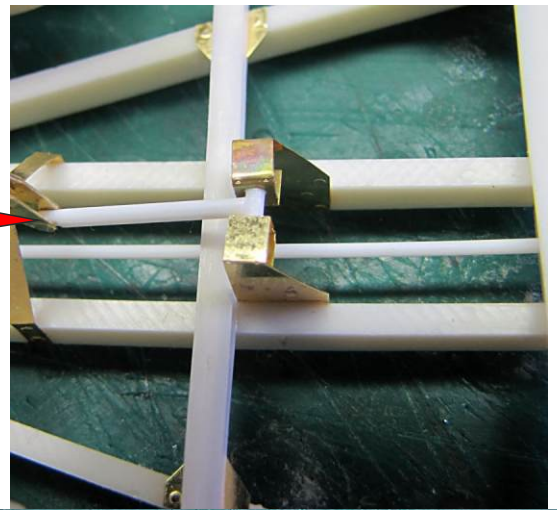
Slide axles with wheels and housings into A31, add springs A28, then holders A39, add PE 6 and A49



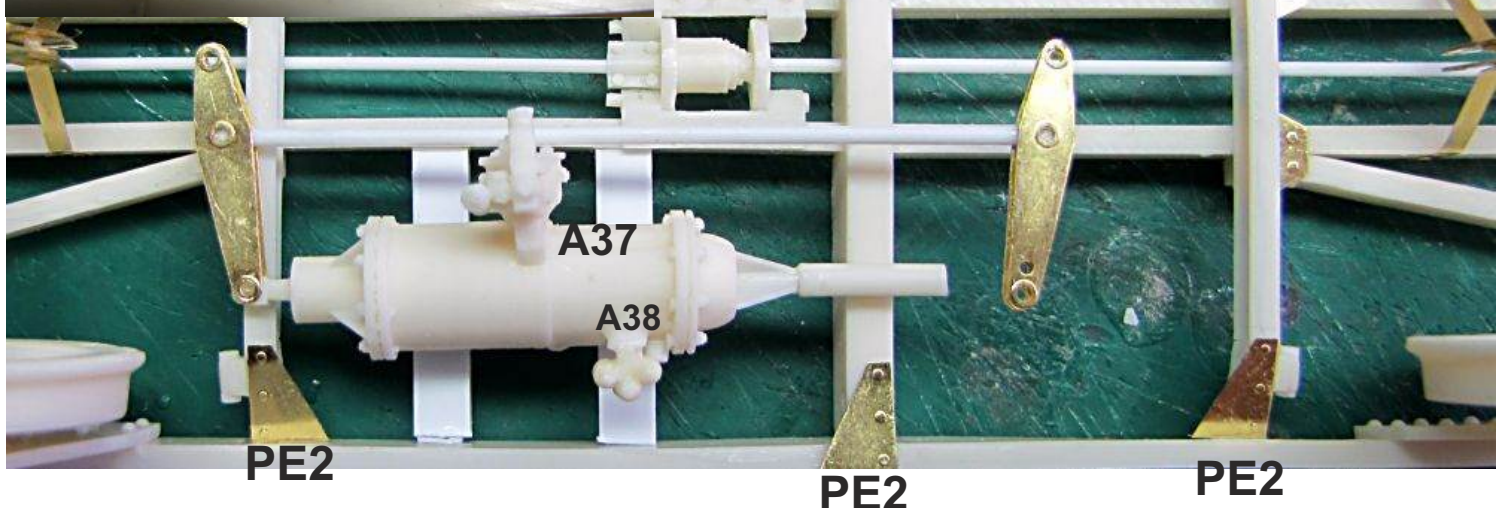
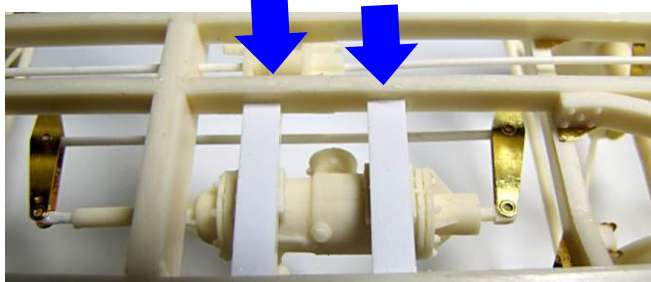




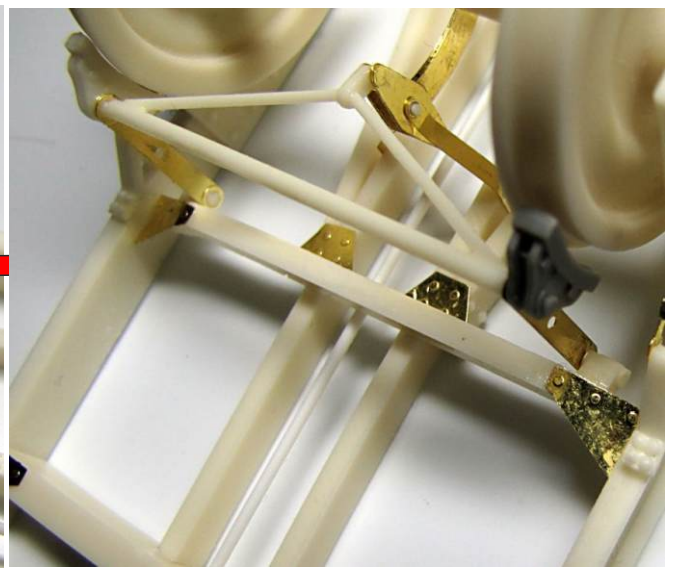
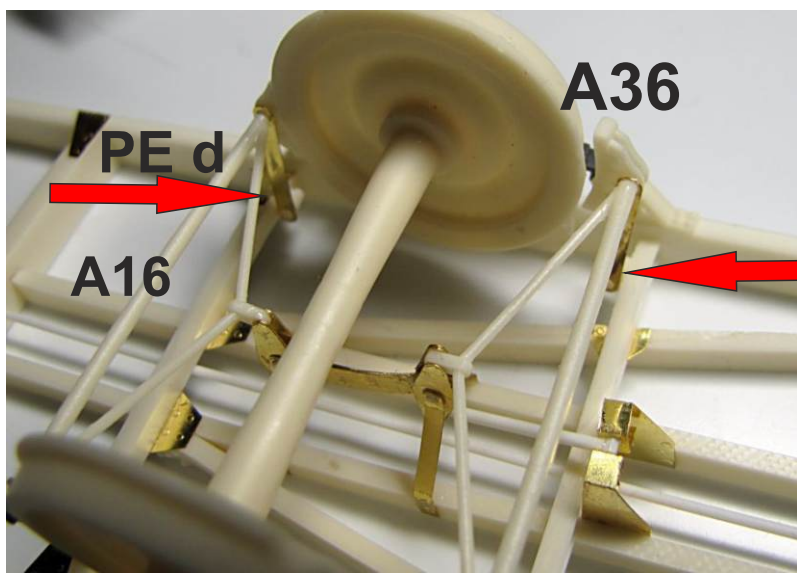
end of rods between  
arms flattened with pliers



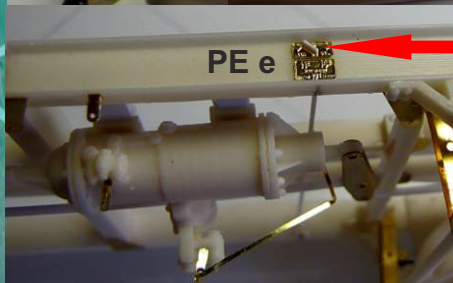
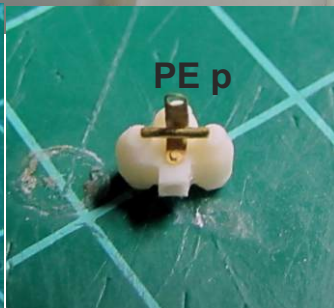
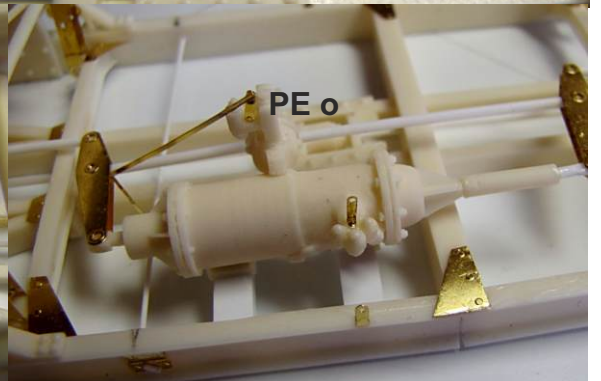
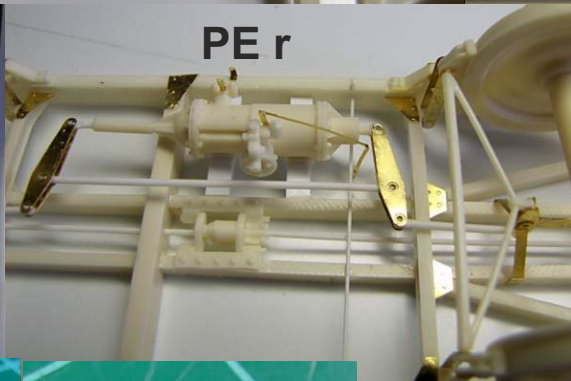
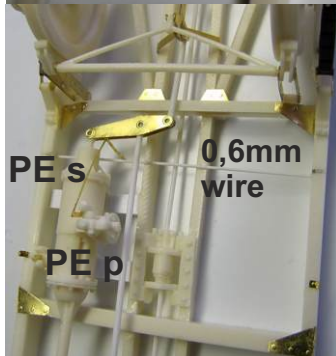
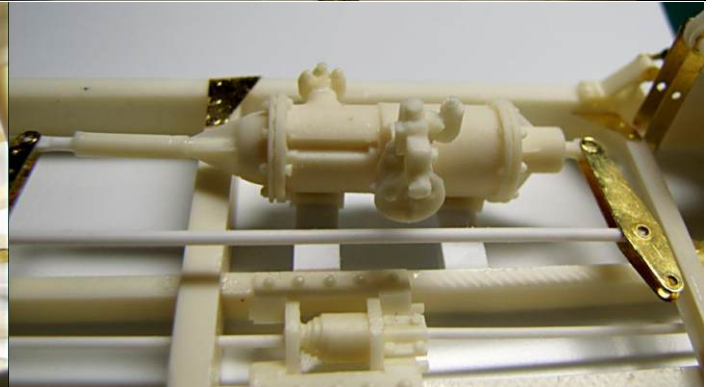
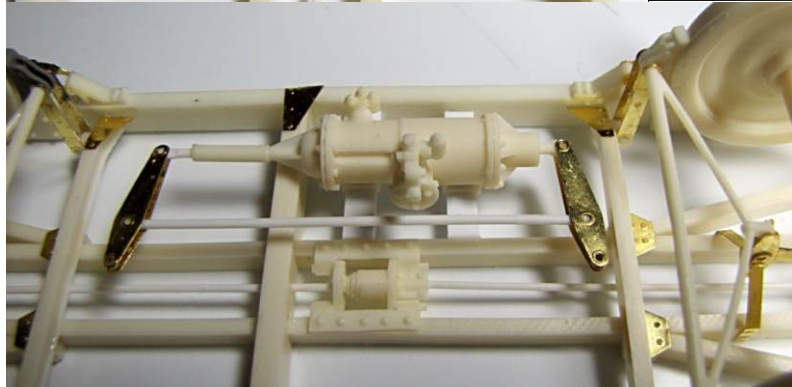
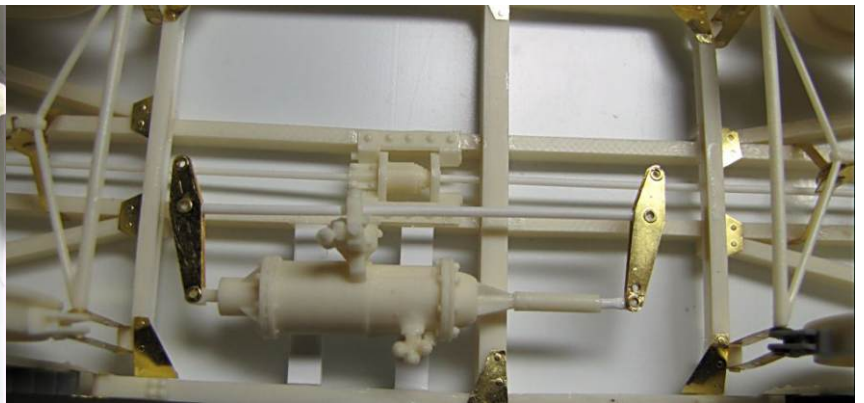
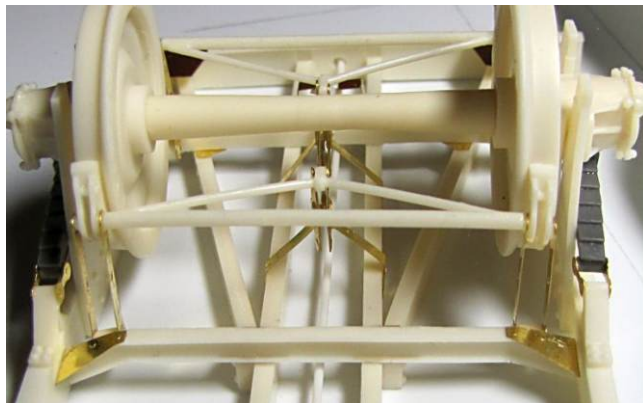
Brake cylinder holders - use spare resin stick (half of A9 provided in the box) and cut two pieces to the length needed, assemble - see blue arrows





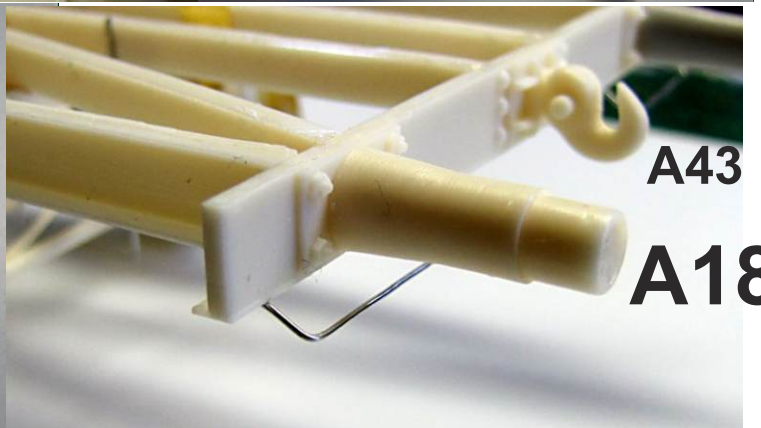
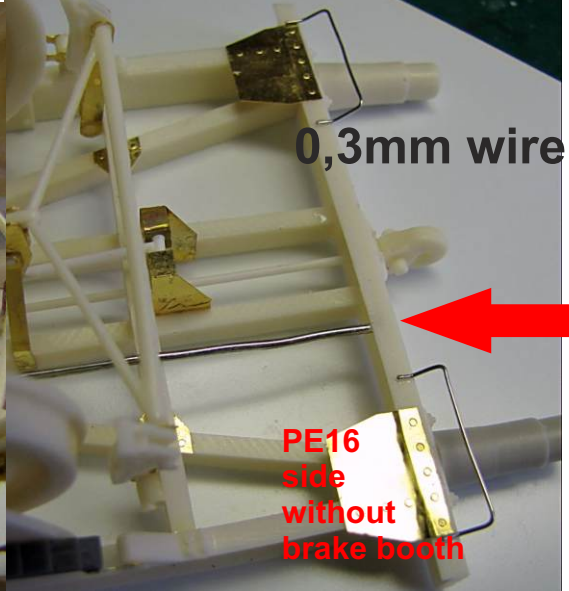
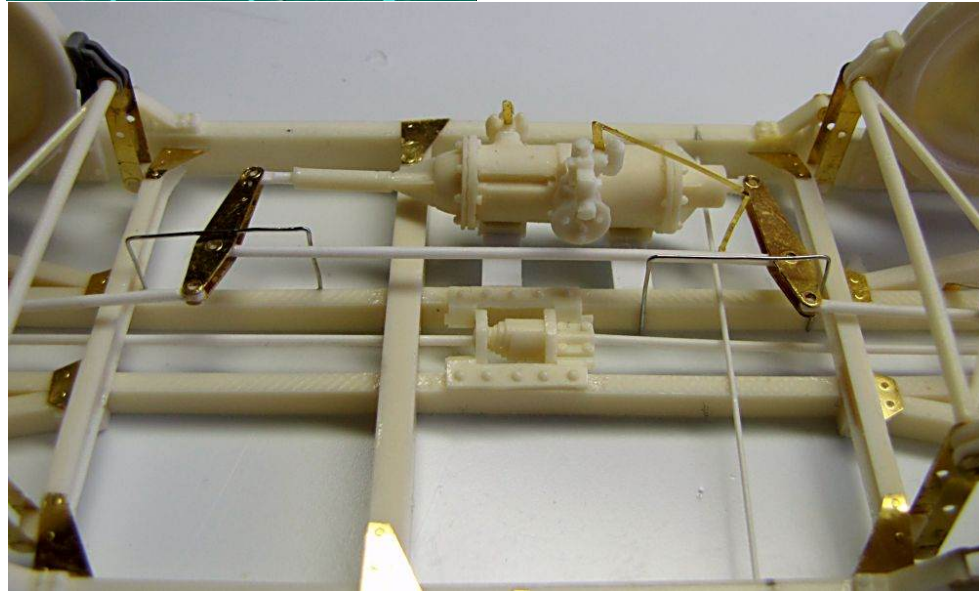
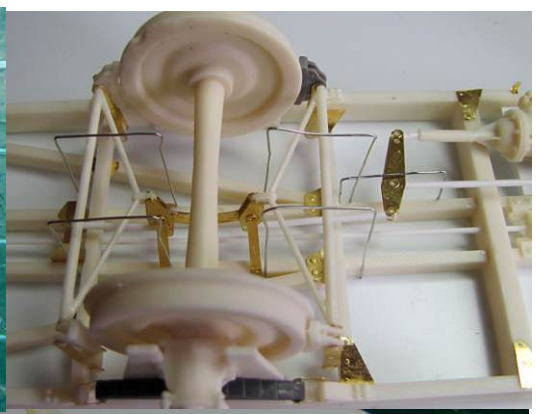
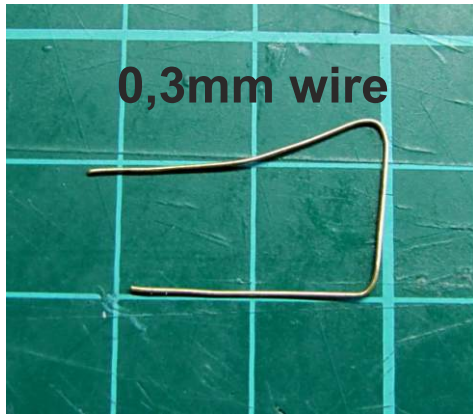


Assemble inner PE d first, add A36 and A16 then - you might need to cut main rod length if needed to position brake blocks properly - glue short arm of A16 between PE brake arms PE a and PE b, and finally assemble outer PE d

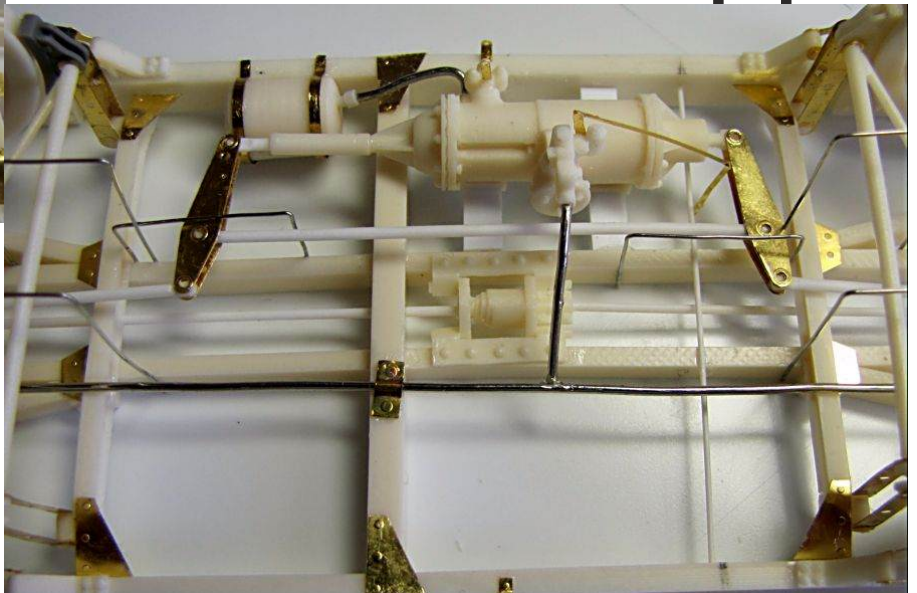


little bit of plastic

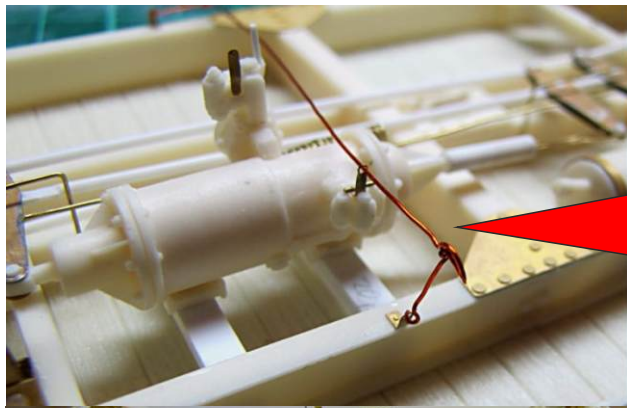




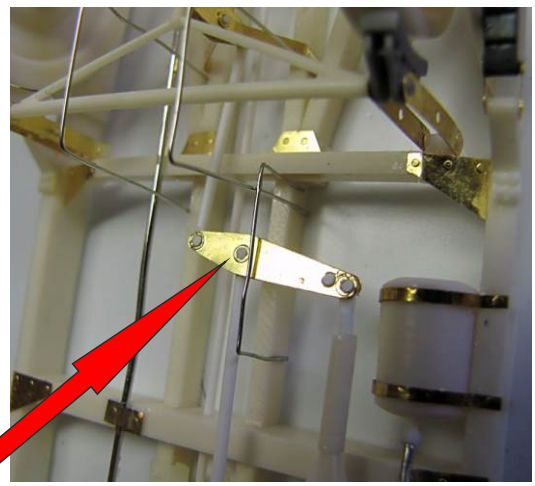
Use 1mm wire for pipes



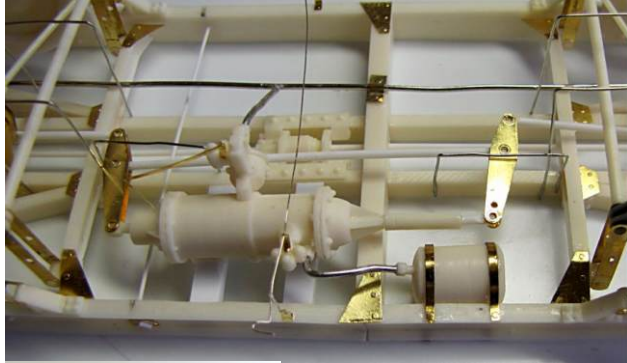




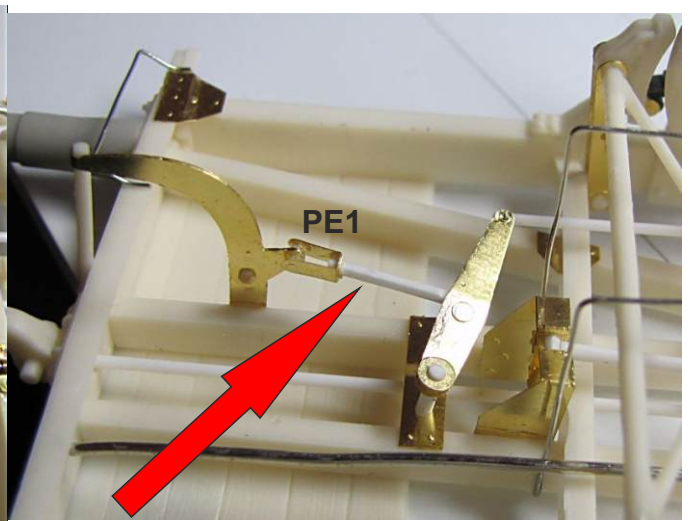
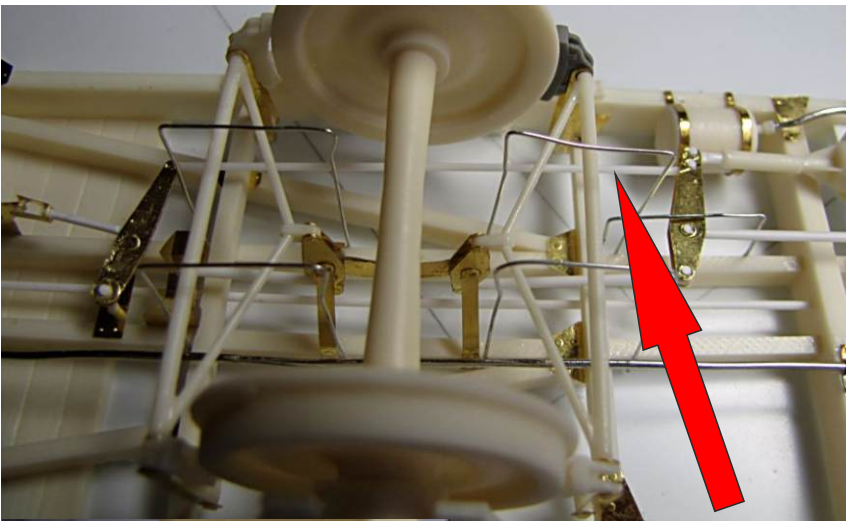
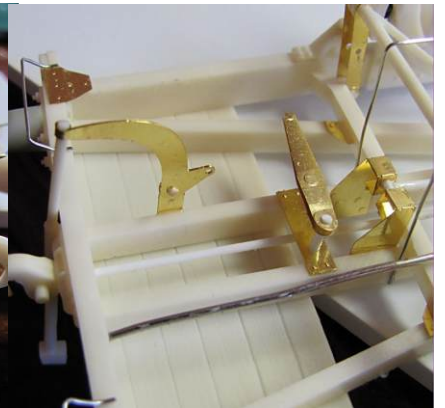
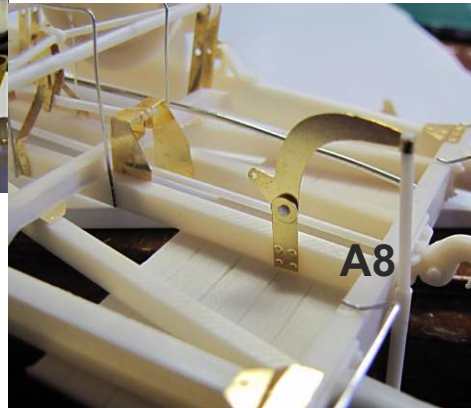
0,2mm wire



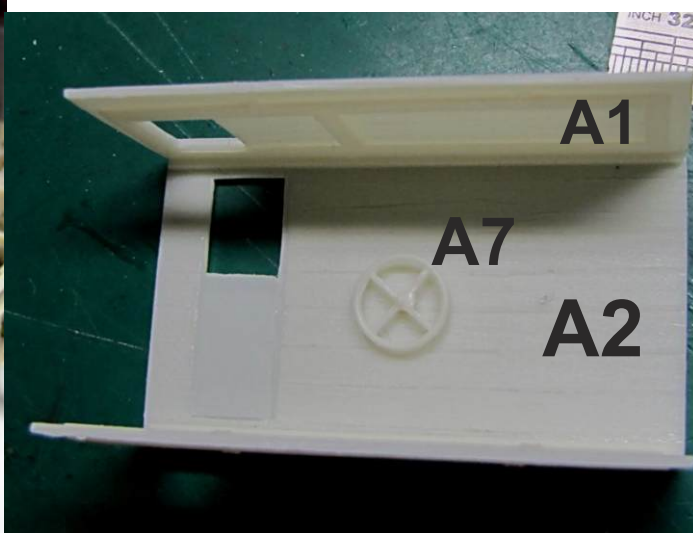
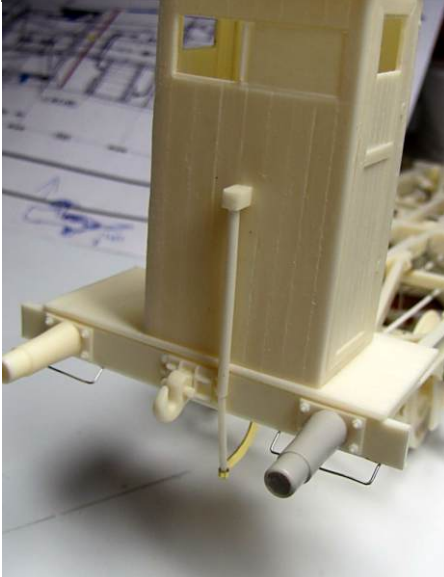
use thin slices of 1mm rod to make up pins



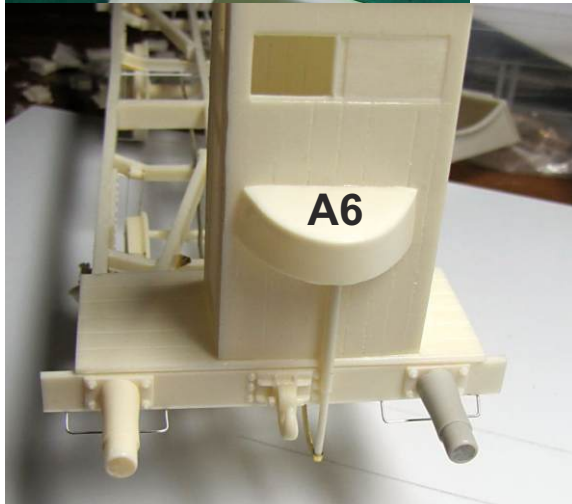
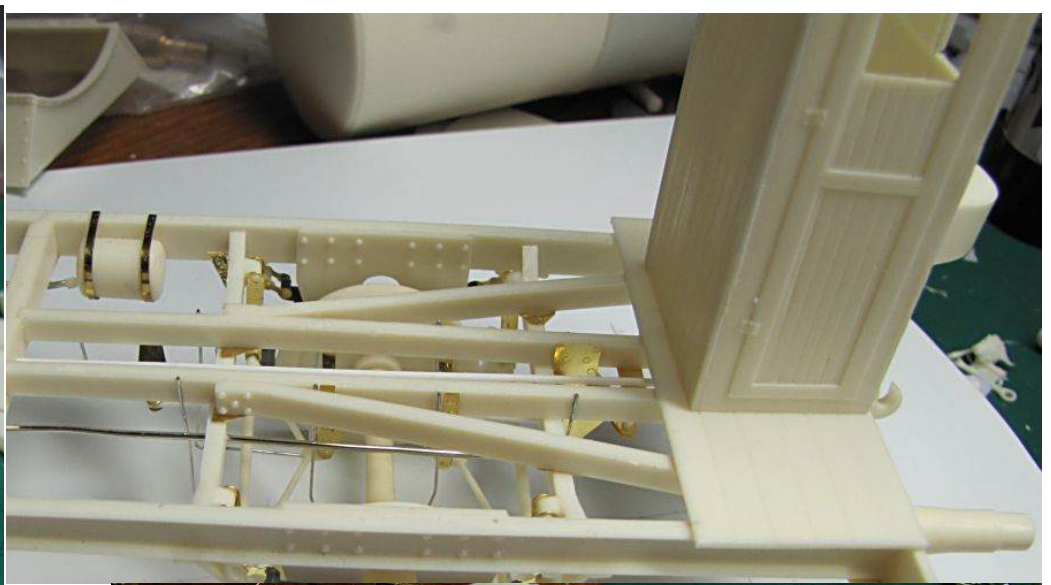
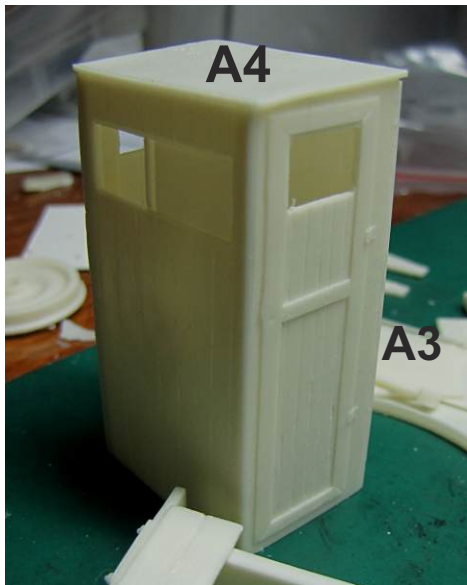
1mm rod, ends melted with lighter



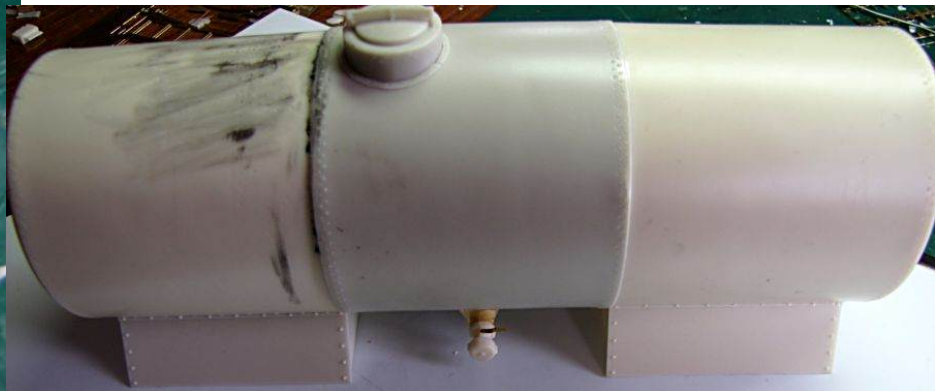
1mm wire



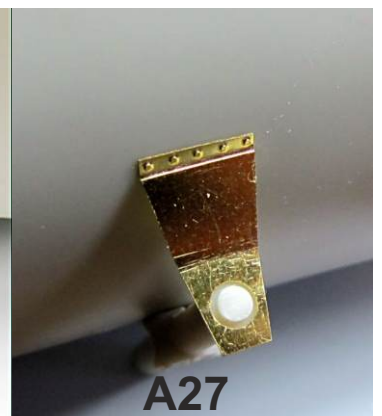
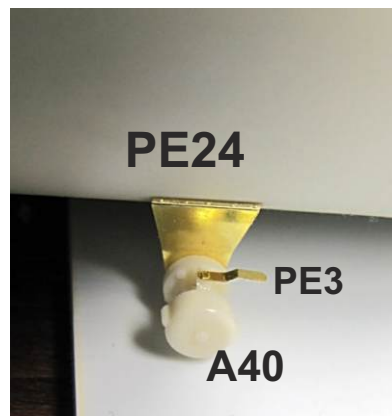
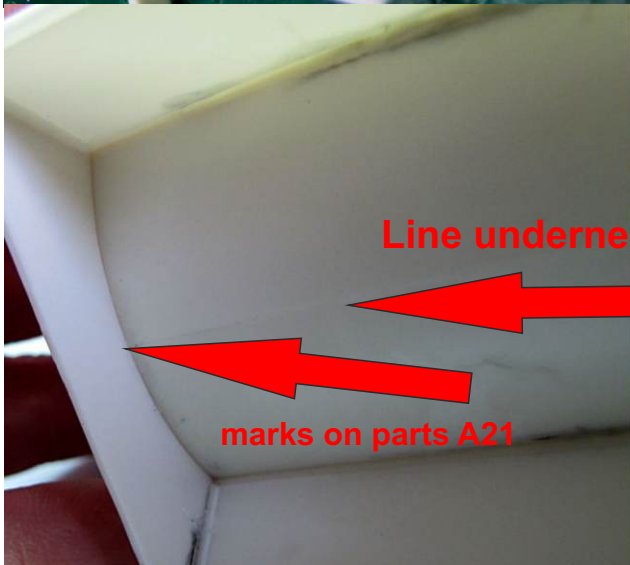




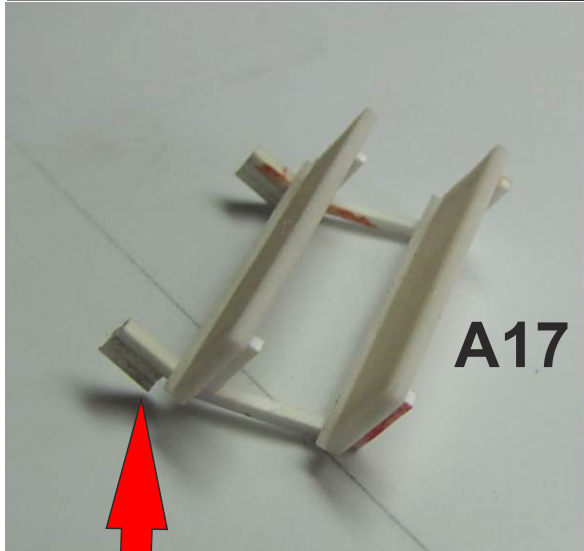
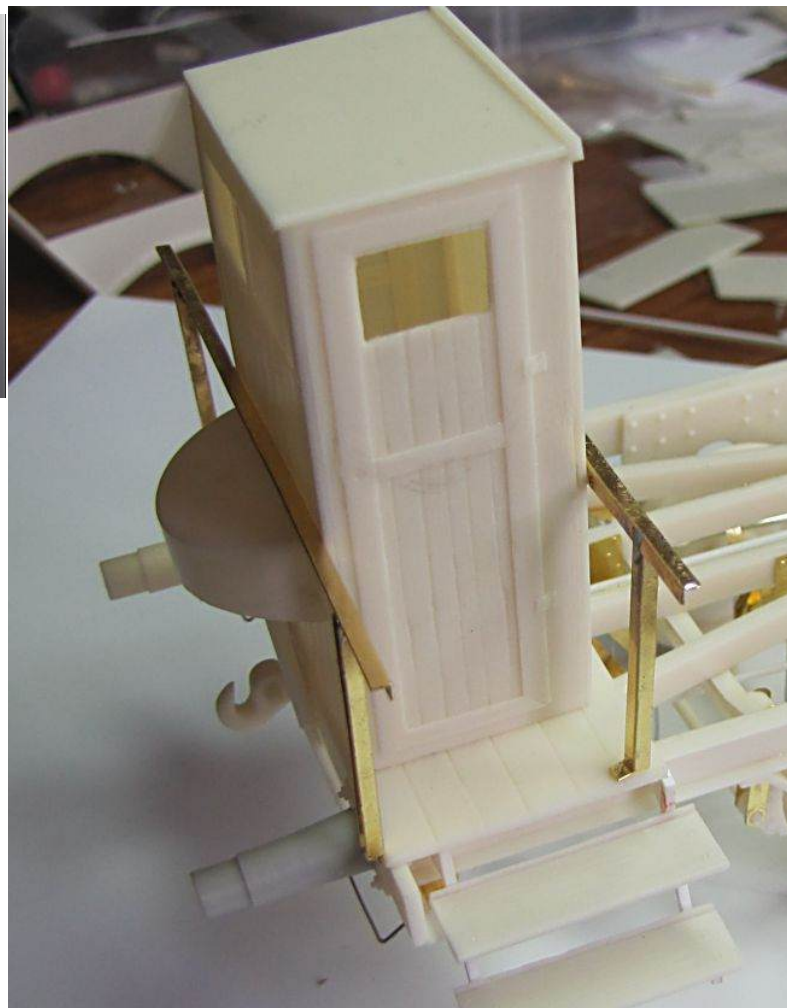
Glue tank parts together, it might require more cleaning as these parts are difficult to cast and might have some more flash. Line underneath should help to rotate ends properly before glue is applied. This line also help to glue tank holders properly



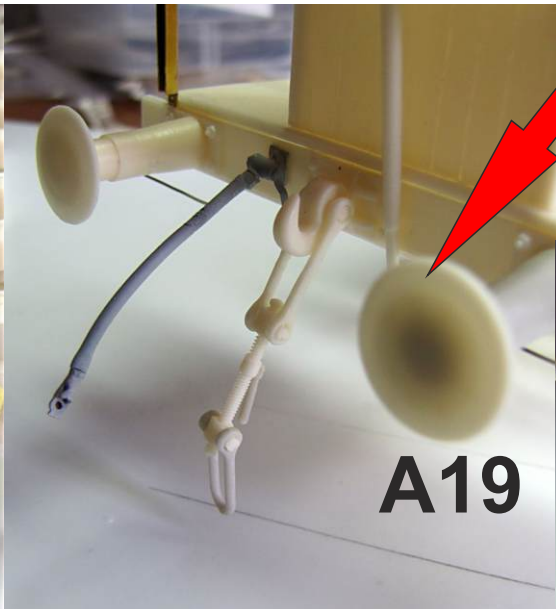
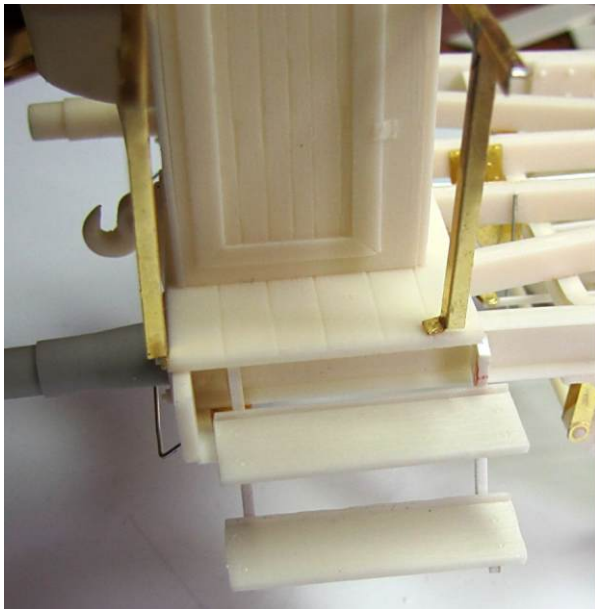
Glue one tank holder in place, then put whole thing on flat surface, place second tank holder properly and secure with glue then - whole tank has to sit perfectly on flat base



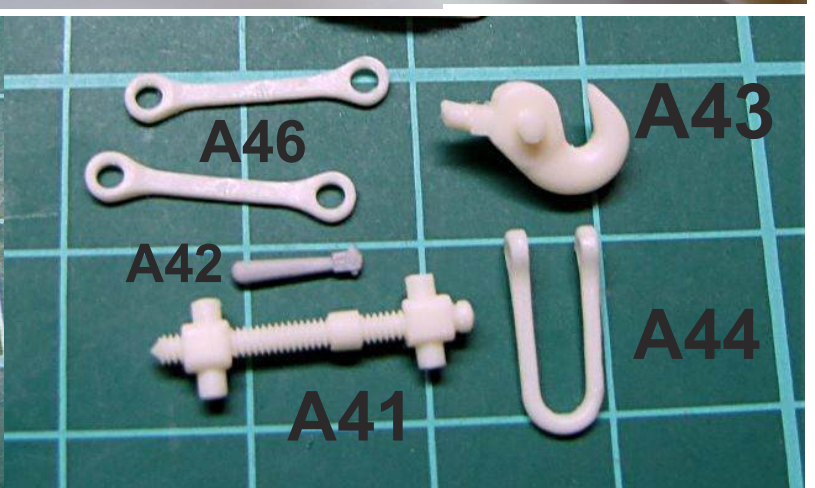
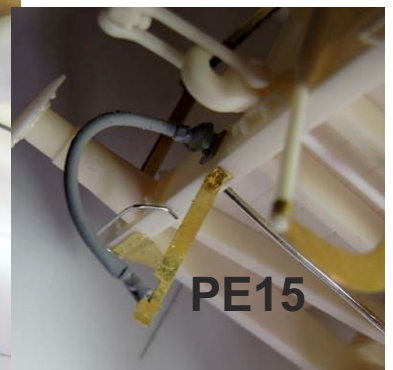




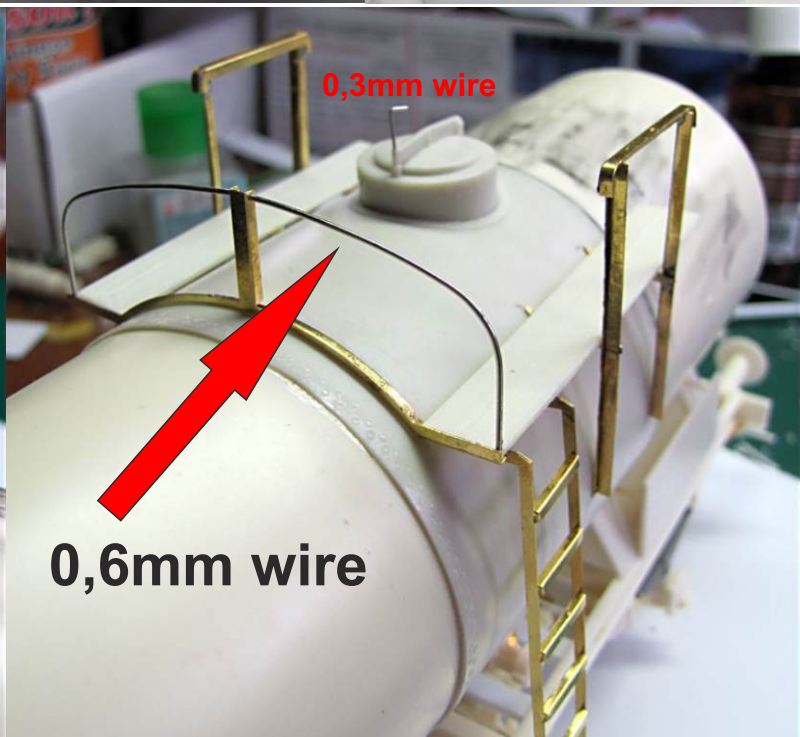
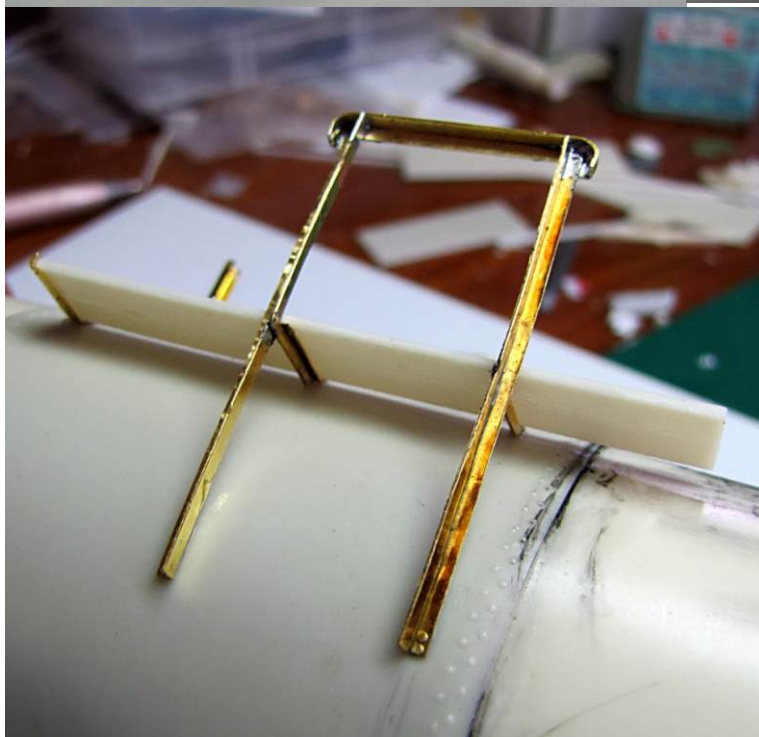
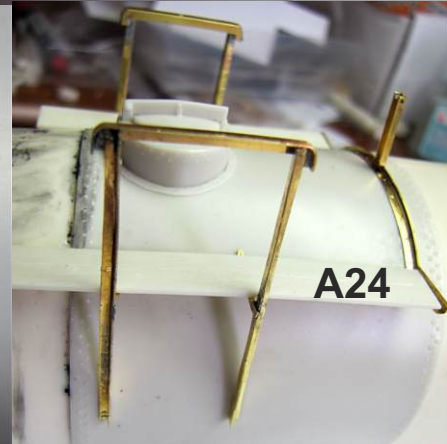
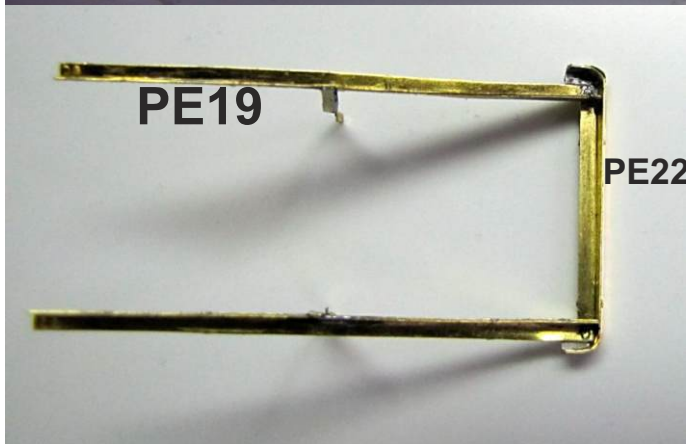
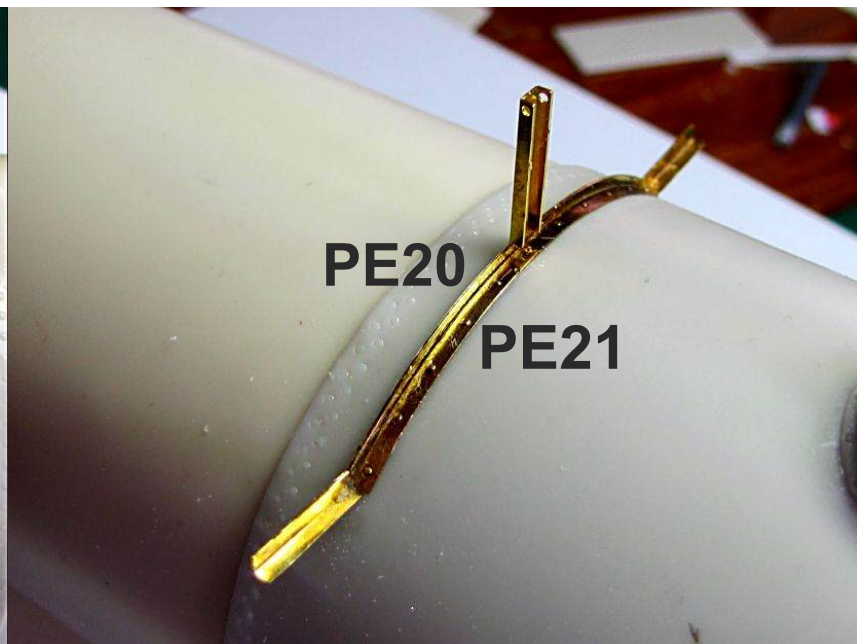
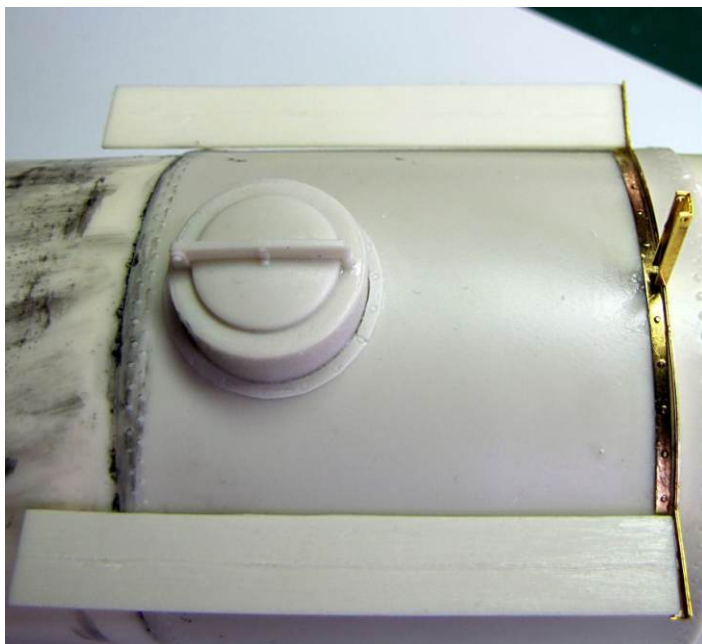
Use PE step board holders from small separate PE sheet, they were not available for this test build yet



flat buffers on left sides

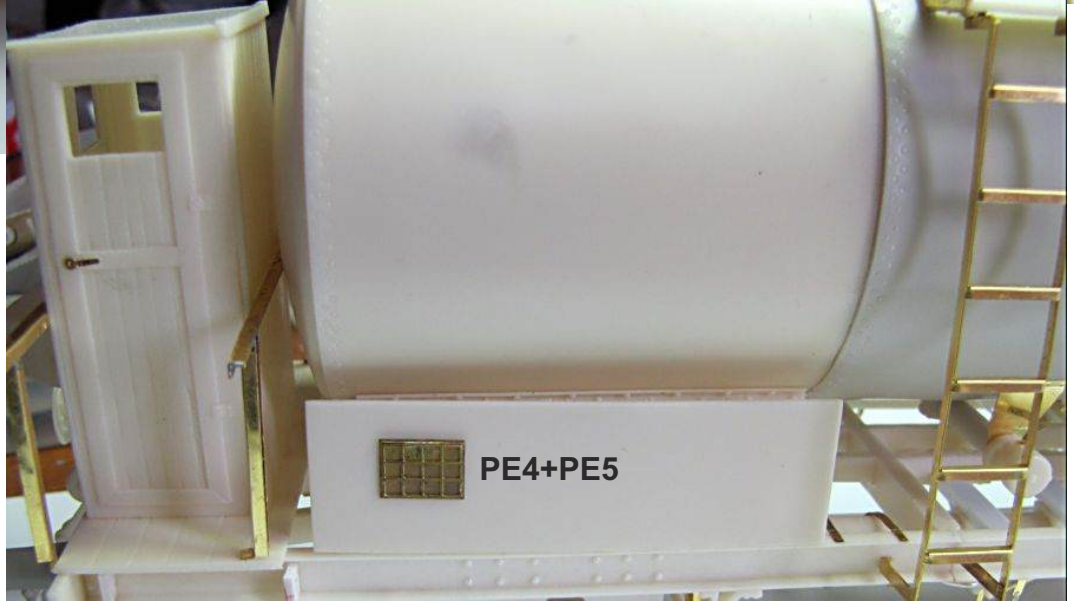
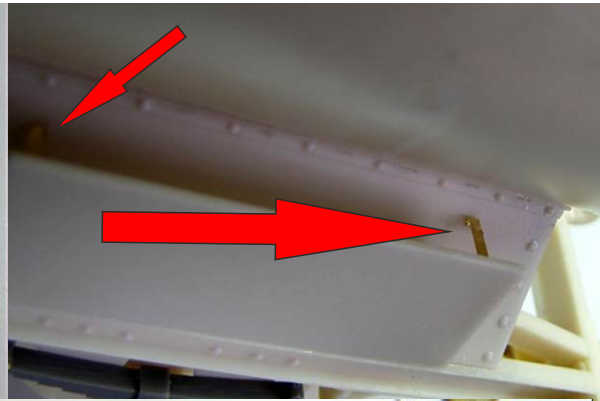






Glue A24 on assembled PE20 first, make sure there is a little gap to pull through PE18 ends, and then add completed PE18+PE19+PE22 - make sure that step board A24 is perfectly horizontal before you glue PE structure on its place. Then bend leader steps and assemble it on A24 and add bottom holders PE 27 at the end





Tank wagons were usually painted in Eisenbahn Grey or White, but there were also seen blue or yellow wagons.