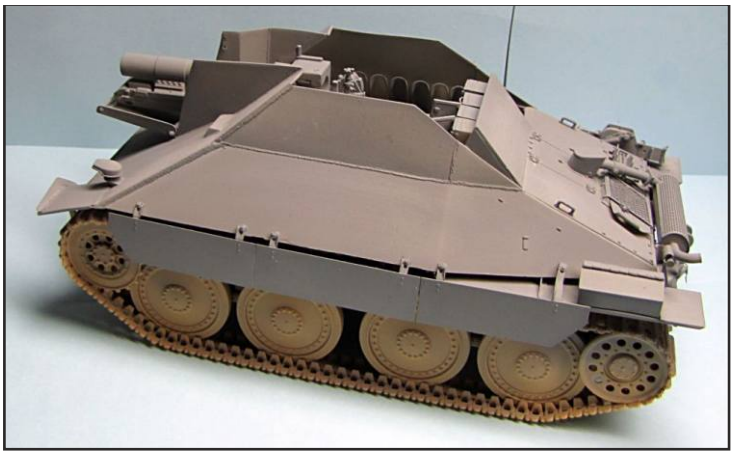
1/35 German sIG 33/2



L. Z. models
Railway and Armour in Scale

No.35400

WWW.LZmodels.com

Made in EU

contains 1 highly detailed and accurate model

120 resin parts
300+ PE parts (including shell mounts, ammo cartridges)
+ plastic parts, wires needed for assembly
Finely reproduced ammunition and equipment

conversion kit for Tamiya´s Middle Hetzer kit or other Hetzer kits
glue and paints not included
suitable for advanced modellers
keep safety rules for work with resin

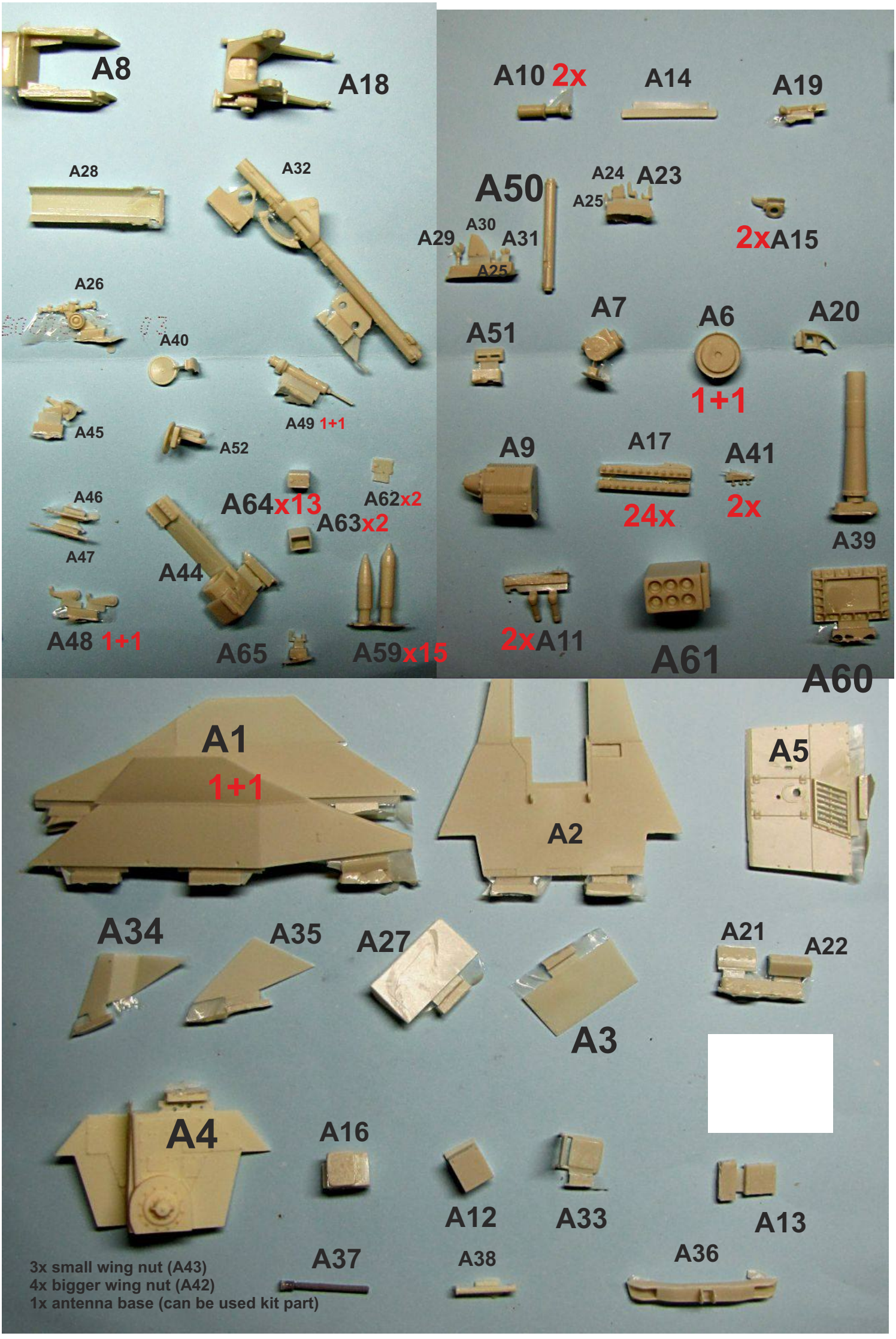
instructions and references on CD

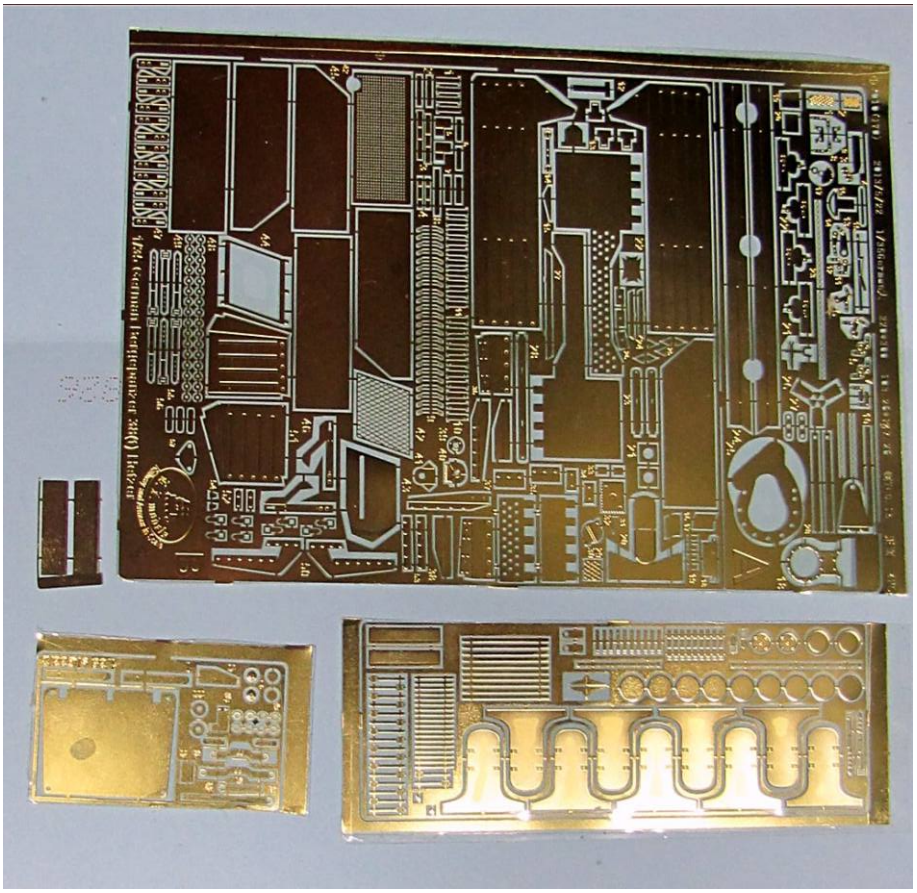
Keep safety rules when working with resin.
For safety reasons, and due to the complexity of construction, this kit is recommended only for advanced modellers.
The kit contains small parts, keep it out of the reach of children.
Glue and paints not included
Contains 120 resin parts, 300+PE parts and plastic parts, and wires needed for assembly

A prototype of 15 cm sIG 33 gun mounted on Hetzer 38(t) chassis was manufactured by BMM after the Summer 1944. Some references say about 30 sIG33/2 self-propelled guns were produced in winter 1944-45 by Alkett Plant in Berlin. The BMM prototype survived the war and was stored for a few years in a small Czech village.

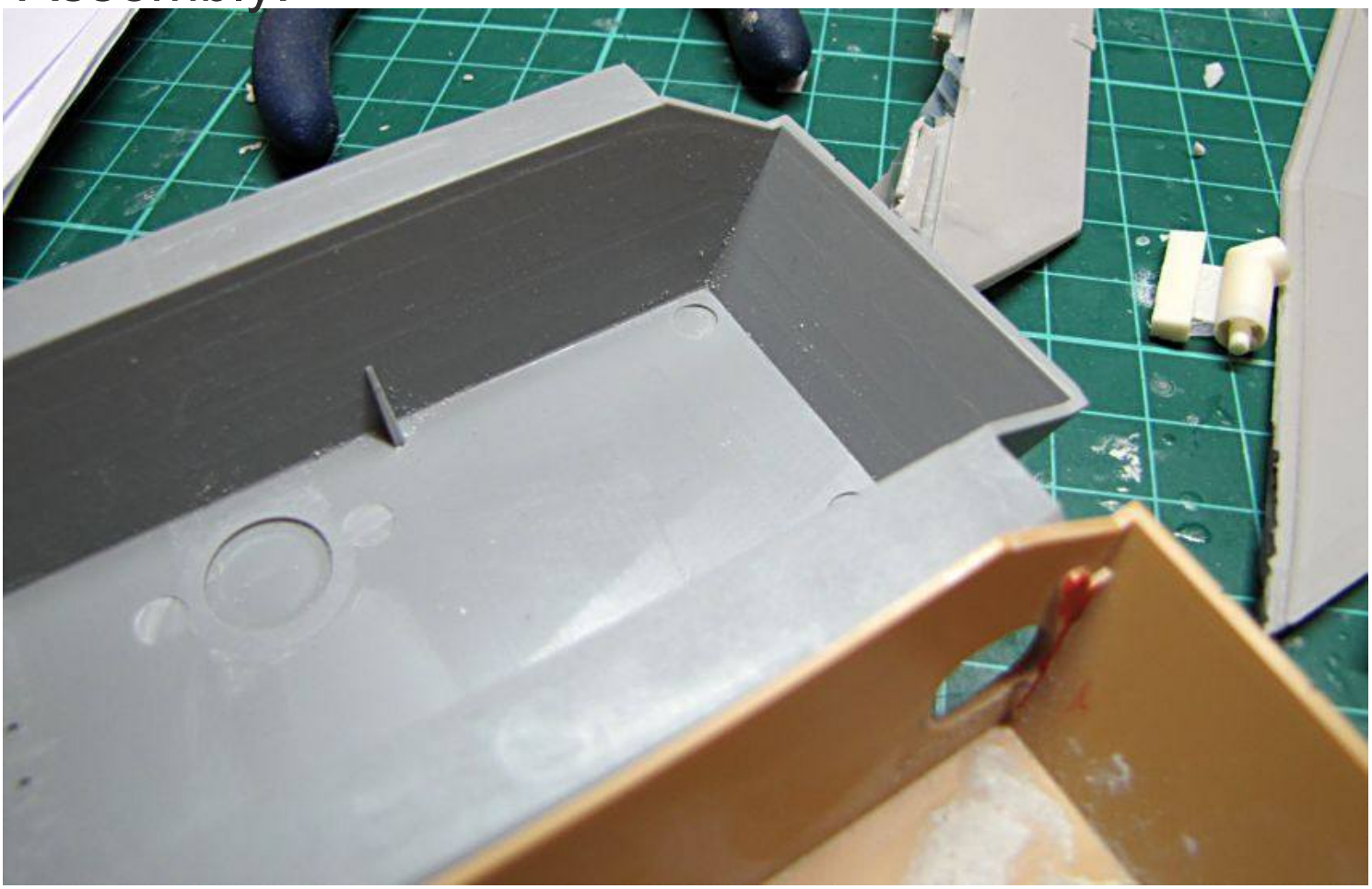
The vehicle had lowered hull like recovery variants, but additional 10mm thick plates were welded on its upper edges to protect the crew. The gun was installed on a special mount fixed on the hull floor. Due to limited space, the vehicle could carry just 15 shells.

LZ models bring a coversion to be used generally with Tamiya middle Hetzer kit, but it will also fit on Dragon or Academy kits - however correct type of wheels and tracks should be used then.


A8
A18
A10 2x
A14
A19
A28
A32
A50
A24
A23
A25
A30
A29
A31
A25
2xA15
A26
A40
A7
A6
A20
A51
1+1
A45
A49 1+1
A52
A9
A17
A41
A46
A64x13
A62x2
A63x2
24x
2x
A39
A47
A44
A48 1+1
A65
A59x15
2xA11
A61
A60
A1
1+1
A2
A5
A34
A35
A27
A21
A22
A3
A4
A16
A12
A33
A13
A37
A38
A36
3x small wing nut (A43)
4x bigger wing nut (A42)
1x antenna base (can be used kit part)



Assembly:



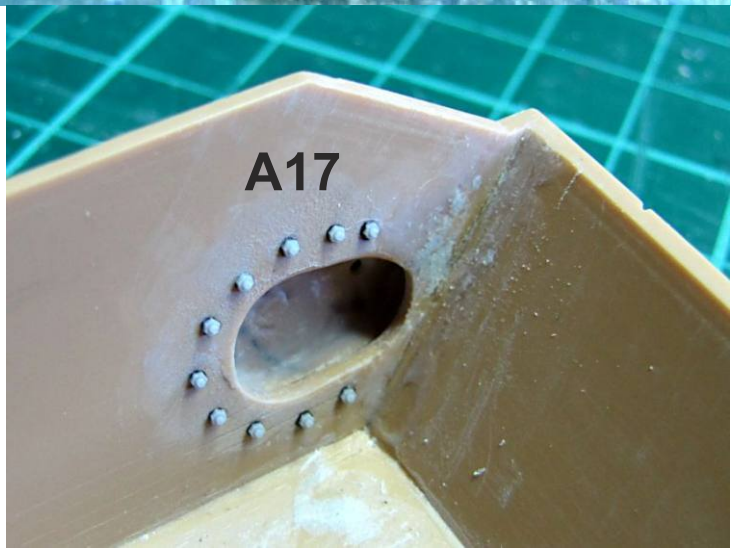
There is a bit of more work needed on Tamiya lower hull (yellow), with Dragon kit (grey) this step should be easier. Use a PE template provided in the kit and make holes in hull sides. Any hand drill will work great on this job. The PE template will be used to mark position of resin bolt heads inside the hull then. Finally cut off all plastic not needed inside the hull and some pin marks and other areas are to fill and will be cleaned with sand paper. Then complete the final drive

Now the kit parts D 68+D 69 - towing lugs - are suitable for this *early* version of the vehicle

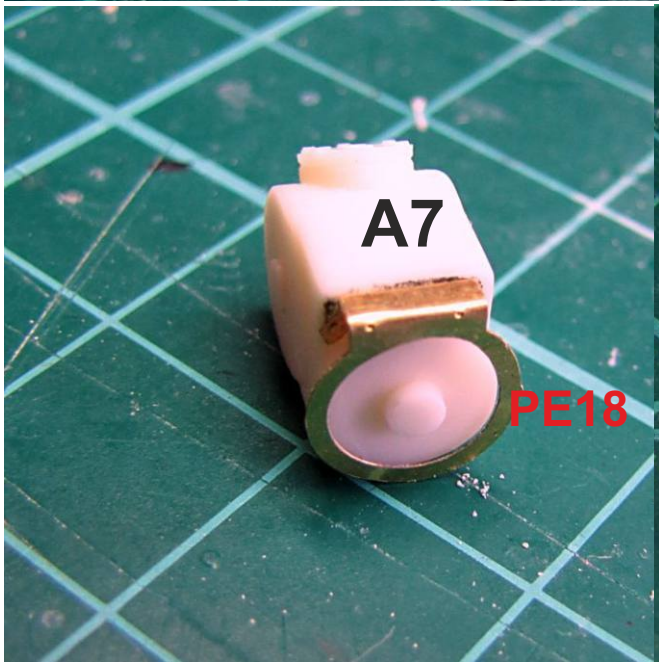
.

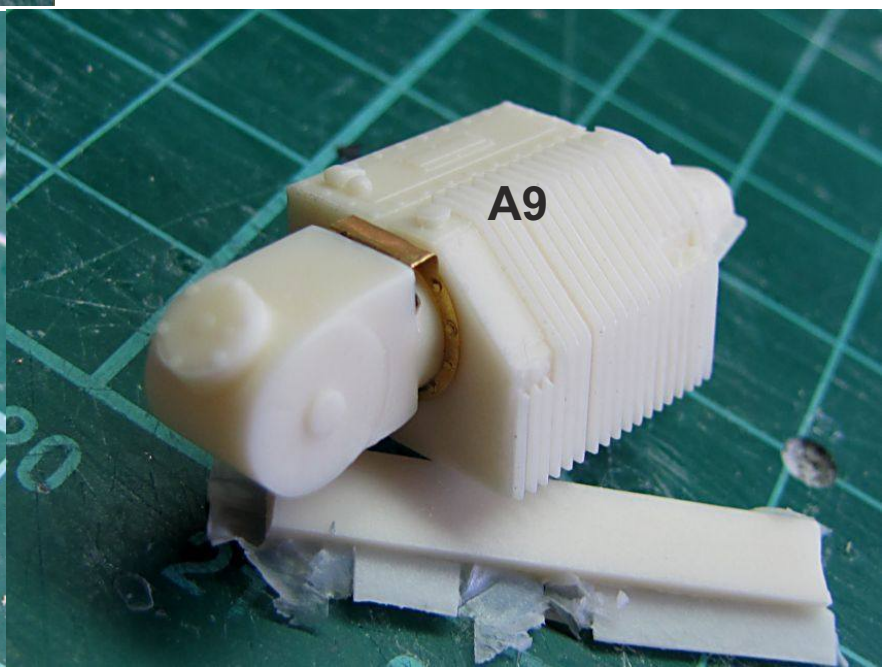

PE25


PE25


A17

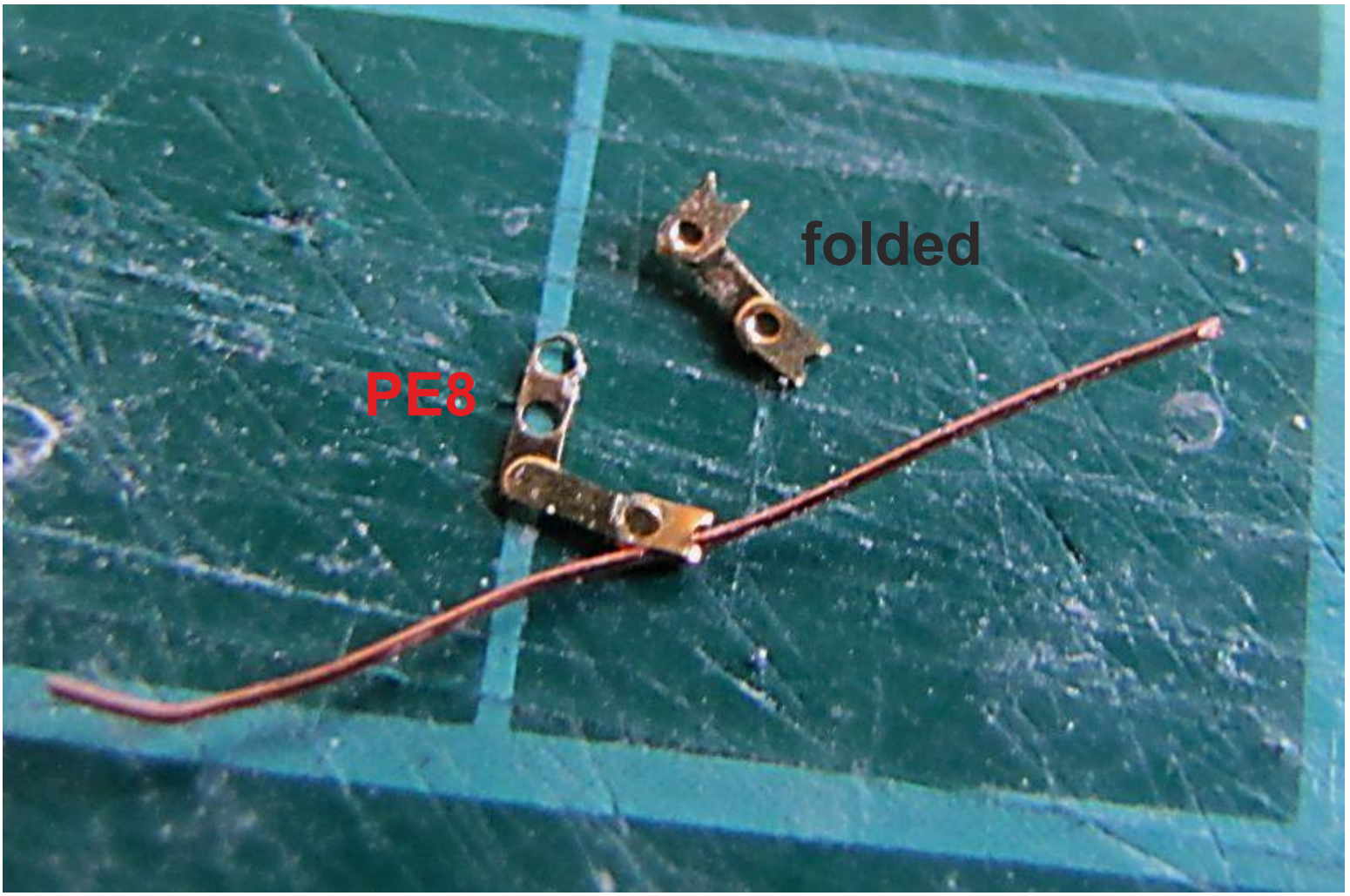
Leave without changes

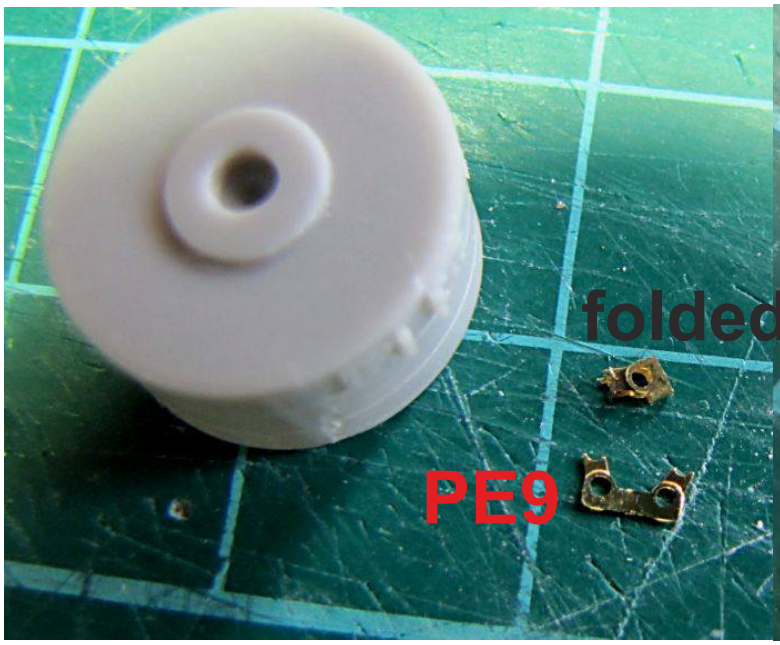


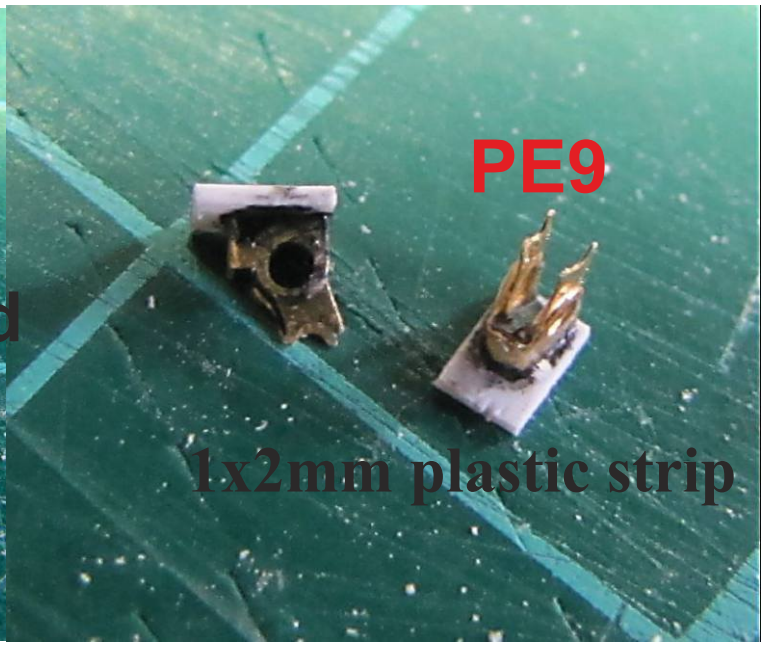


Marks on PE "18" show how to bend it, then the PE was assembled between two parts of the gear box and all glued together.

Interior contains many small PE parts to deal with, in fact they can may not be used - depends on everyone´s taste how far you want to go with details

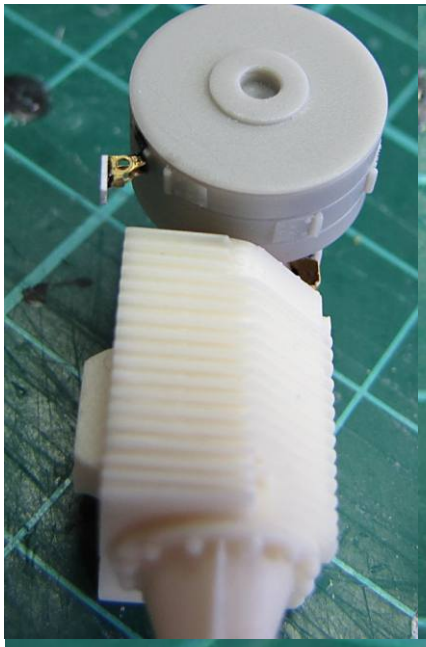


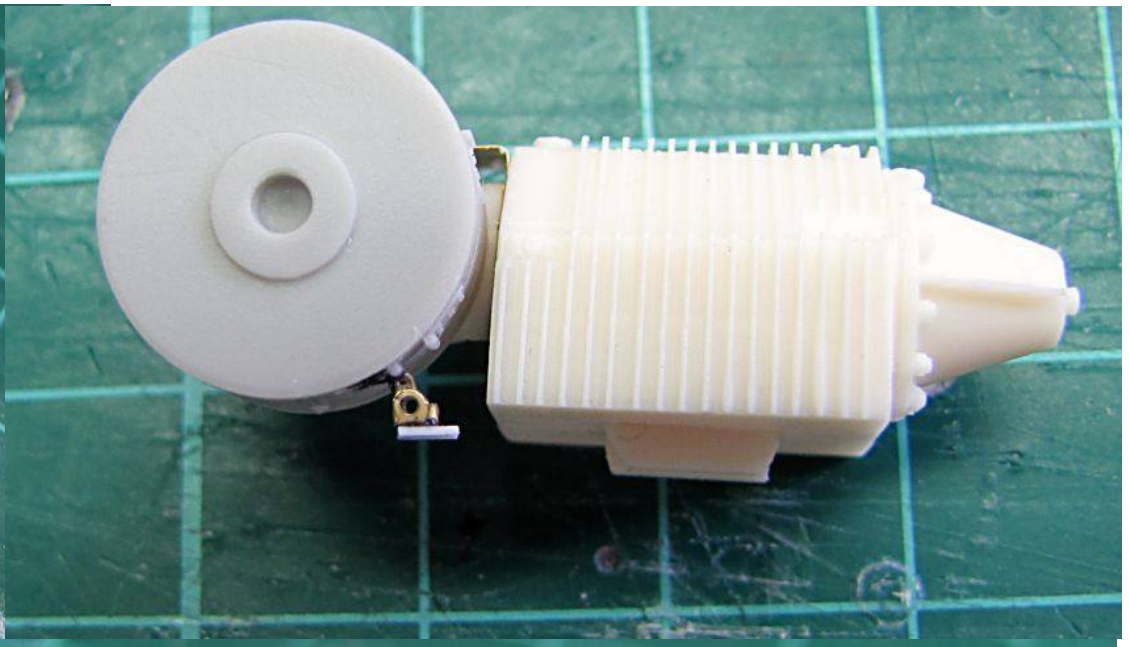




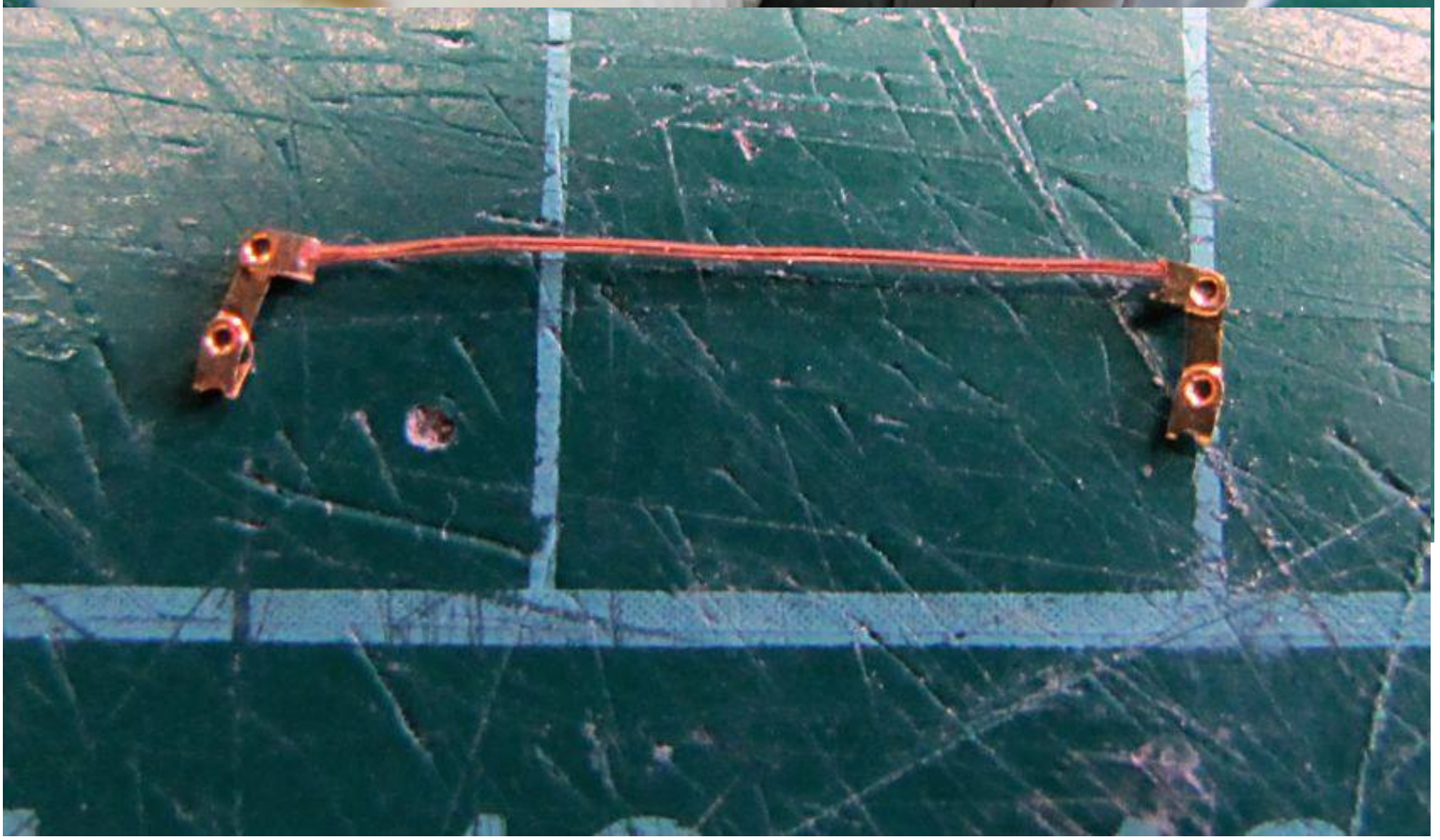
PE "8" and "9" are tiny, but easy to work with, to bend them properly you can use 0,3mm wire stuck in the middle hole, which helps to fold second half of it 180° to the back. All similar parts with these "clamps" are to be done the same way.

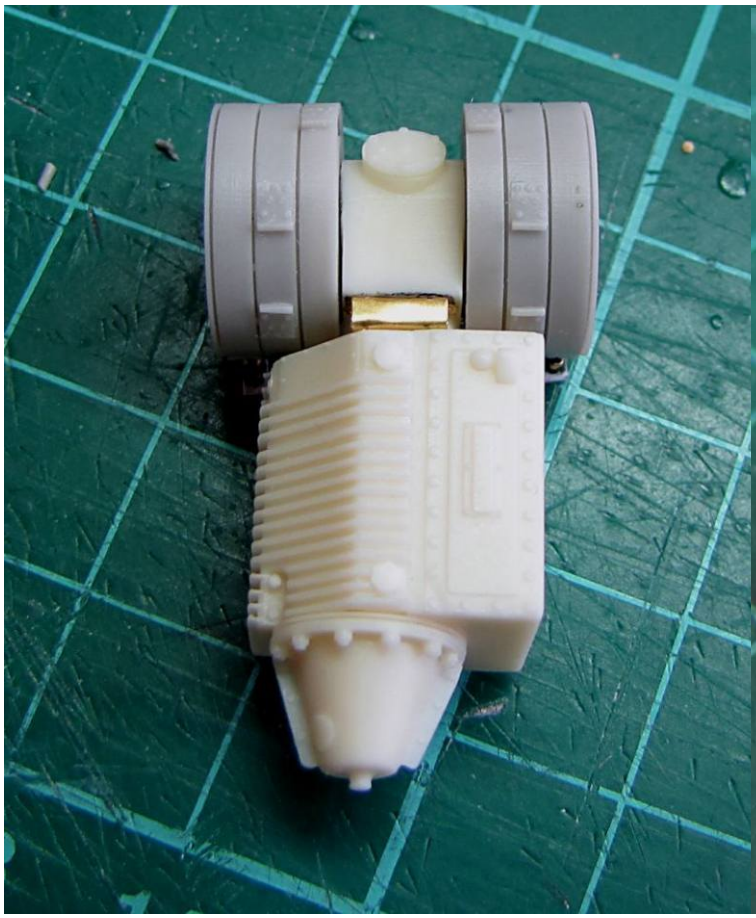
PE mountings glued on 1x2mm plastic strip, and whole thing finally assembled on brake belt. Its right position is visible in the pictures. Opposite part made the same way. The both pieces assembled on the gear box, and 0,6mm about 18,5mm long wire connected both mountings together, pulled out a bit on driver´s side - where a pedal will be assembled later as shown in reference picture. Finally connect together earlier prepared PE bits - 0,3mm wire 16mm long used - and whole thing is to be glued on plastic bases, just at the front of mountings on both sides

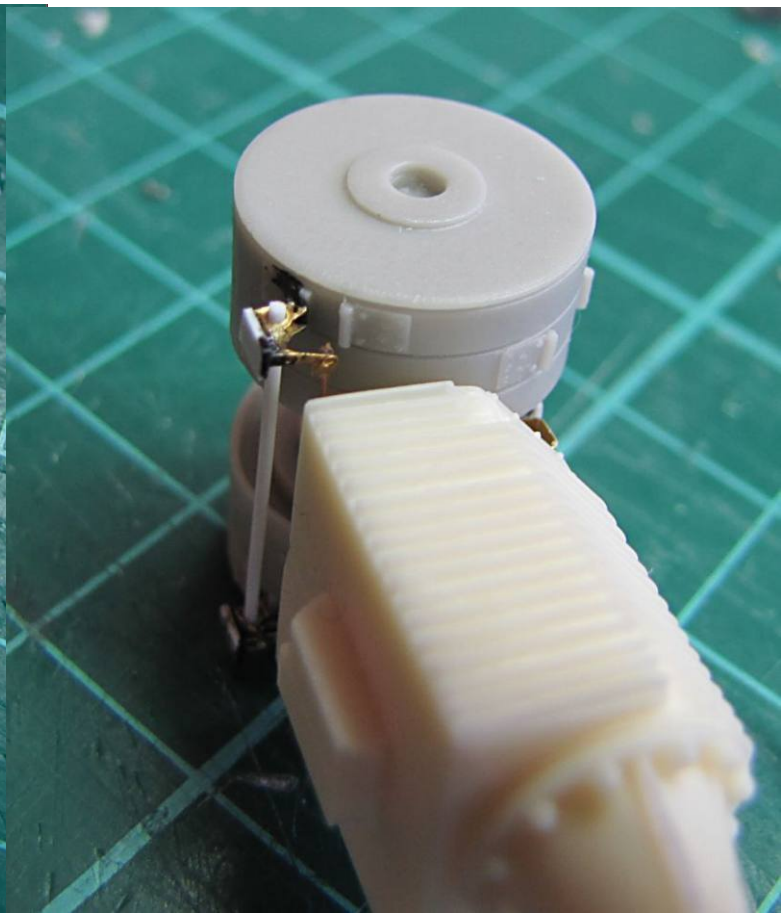




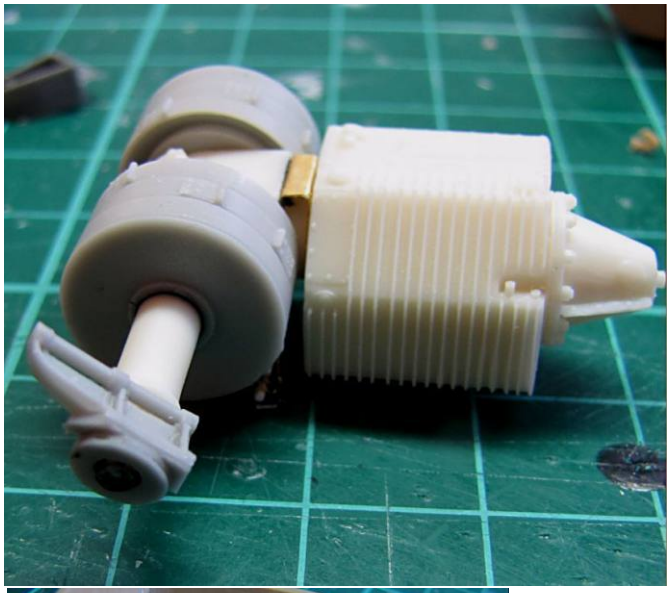

A6 L+P

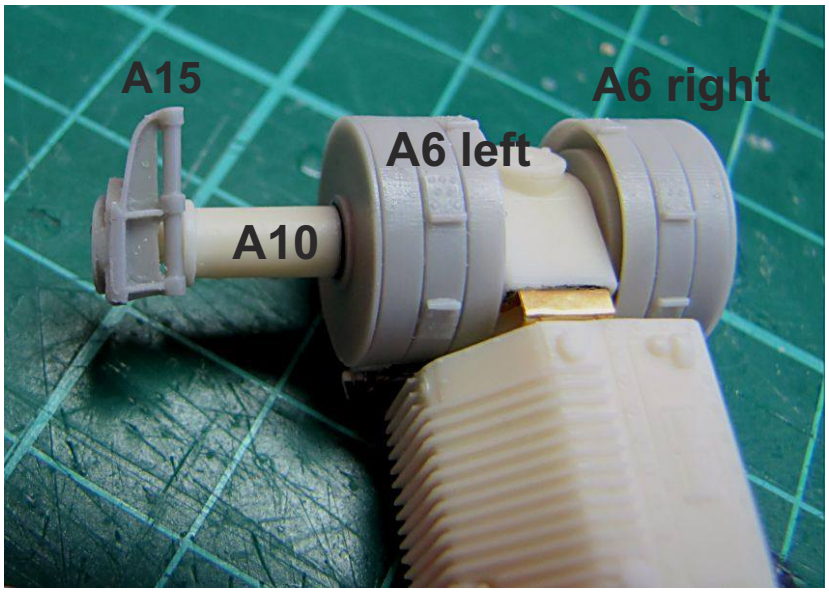


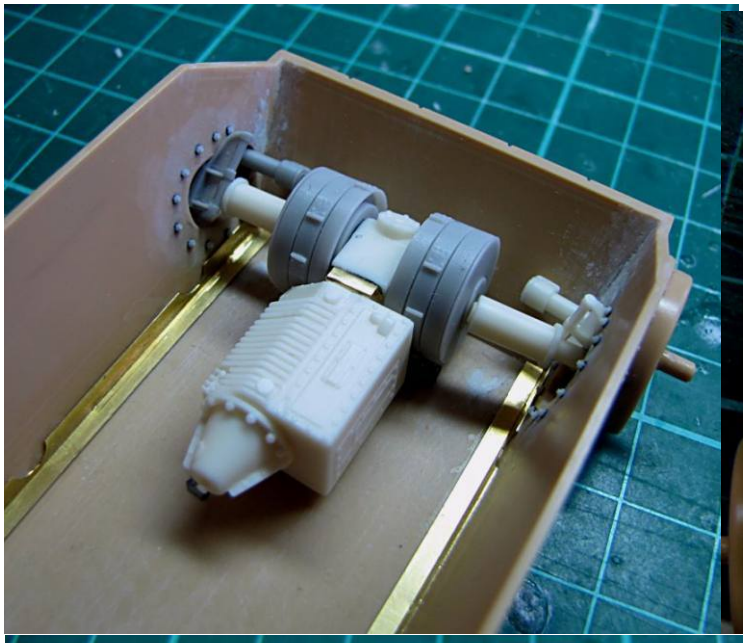


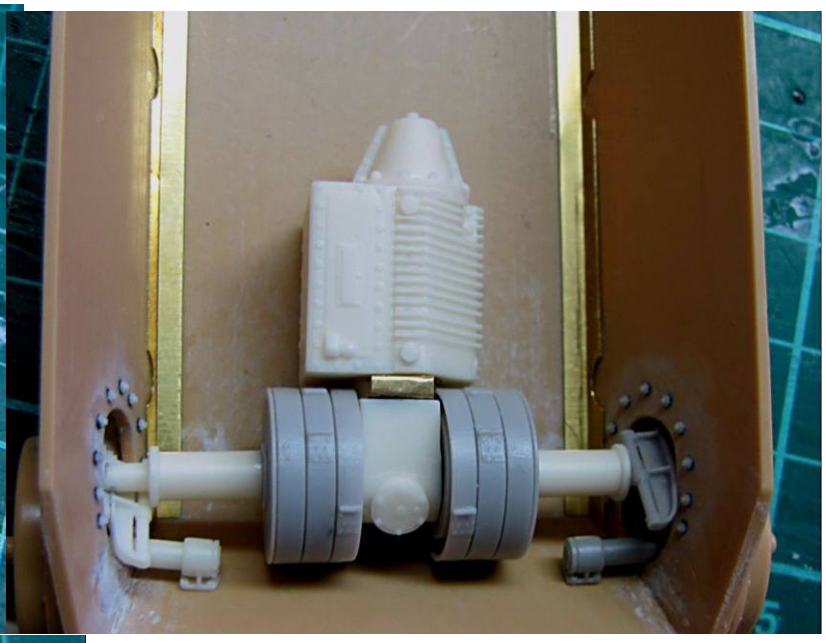


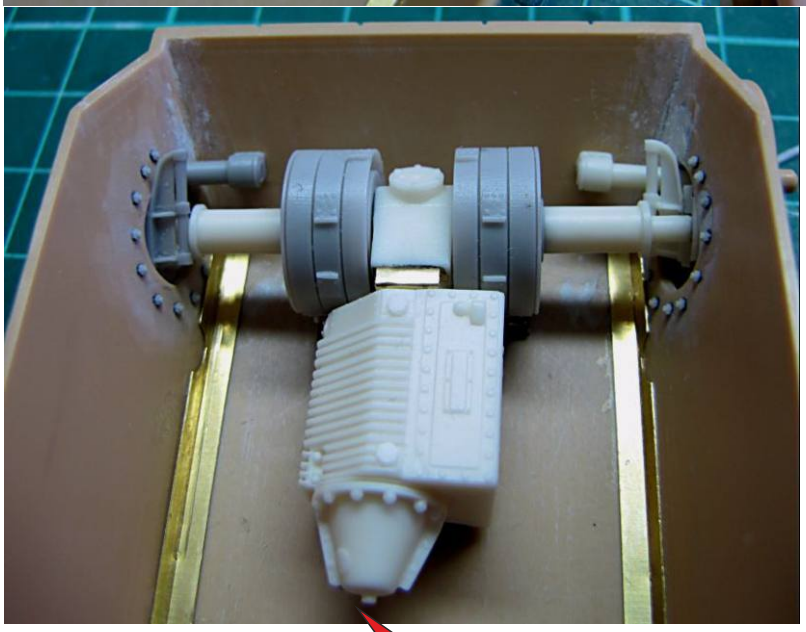
Now I added PE 24 "angles" inside the hull and two small bits on the front. Continued with axle tubes assembly. These have to be cut off the feeder as long as possible - two small bits glued on their ends exactly same way. Then I assembled left tube with the gear box and whole thing placed in the hull. Right shaft was stuck between opening in the wall and gear box - and at the end glued together, and also whole gear box was glued on the floor exactly in the middle of the hull width.





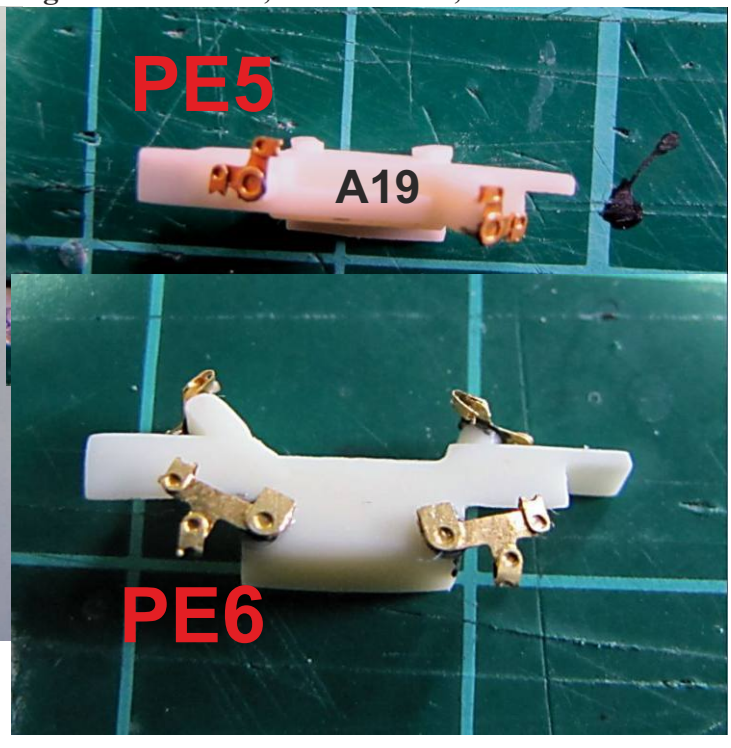


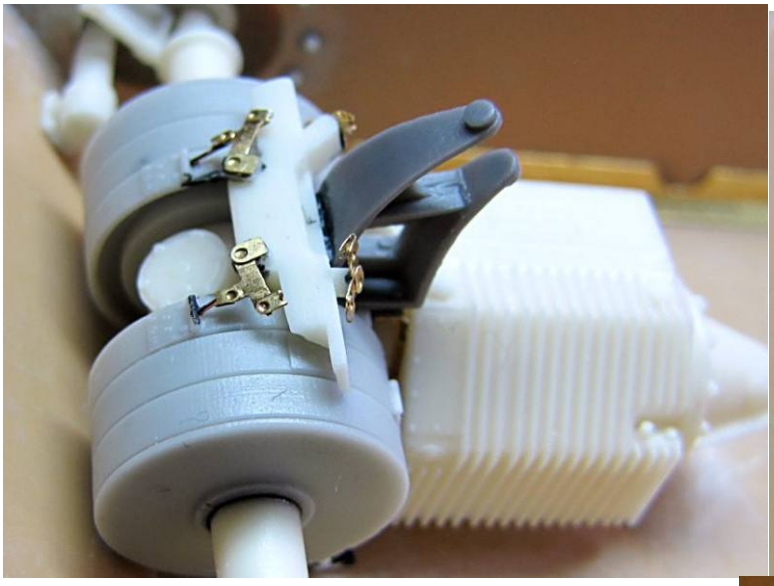


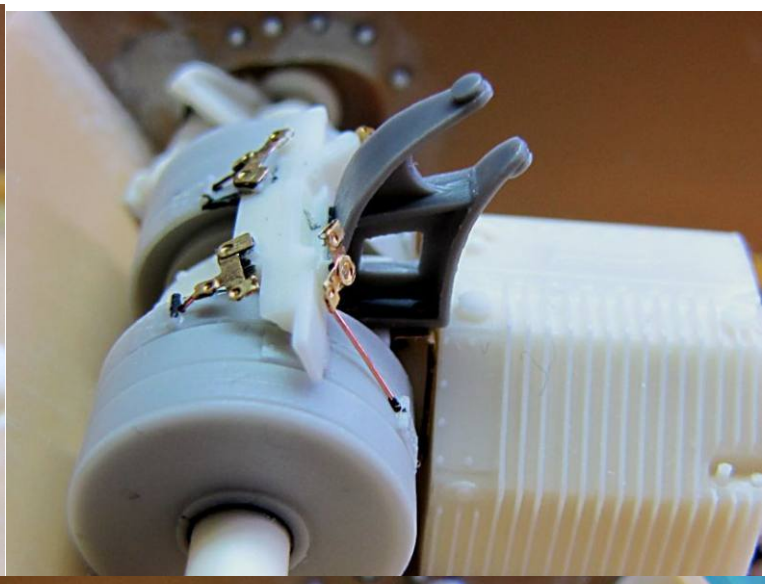


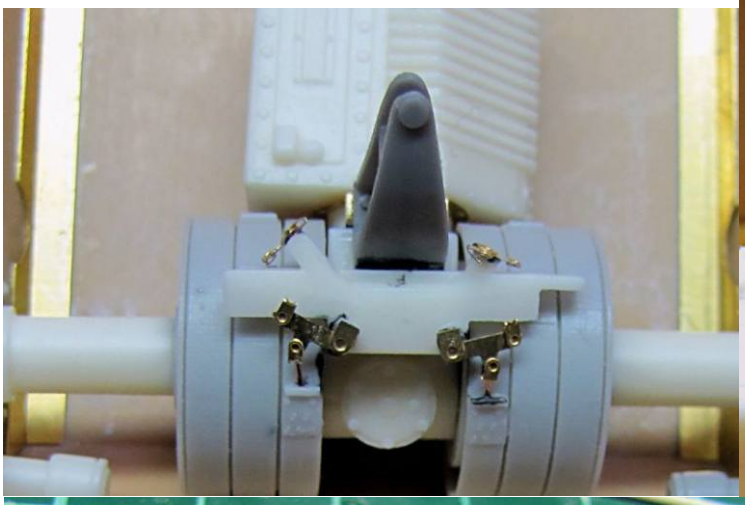
pin is located exactly in the middle of the hull width

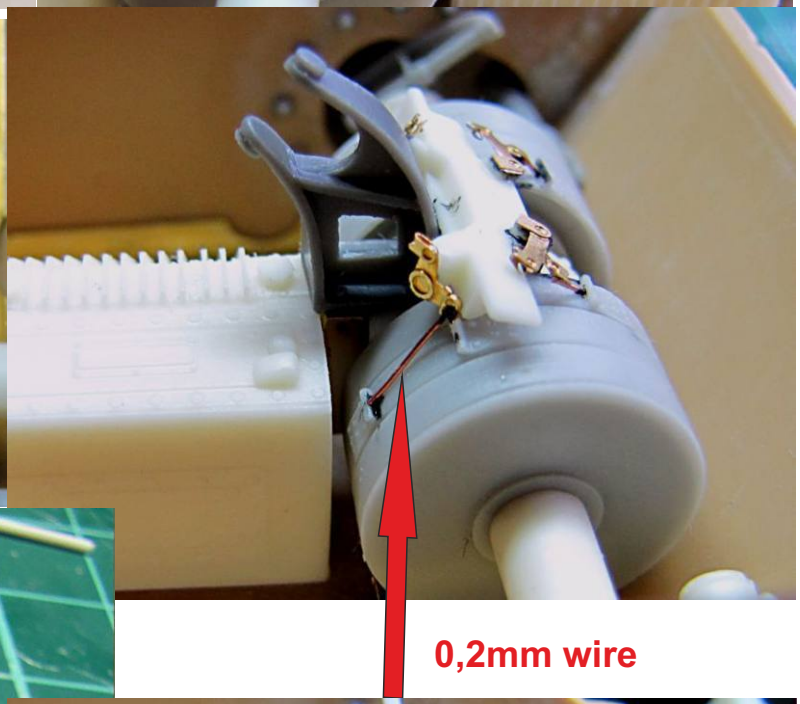
Continued on transmission gear details. PE shaped and glued on the bar, first one side, then another.

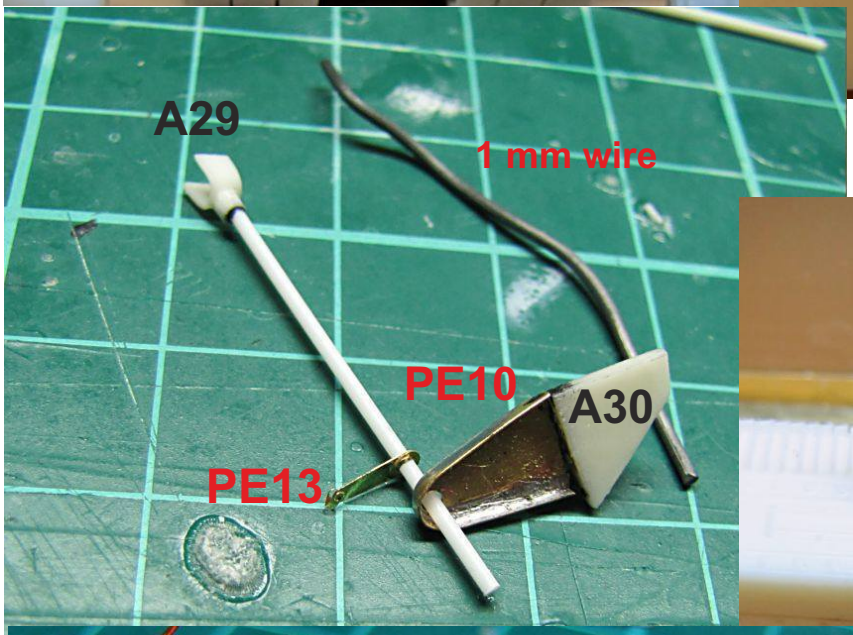


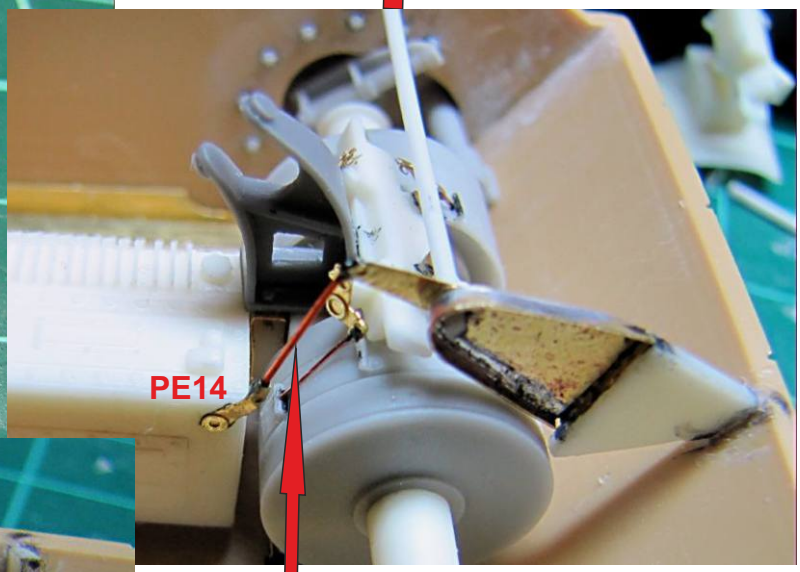


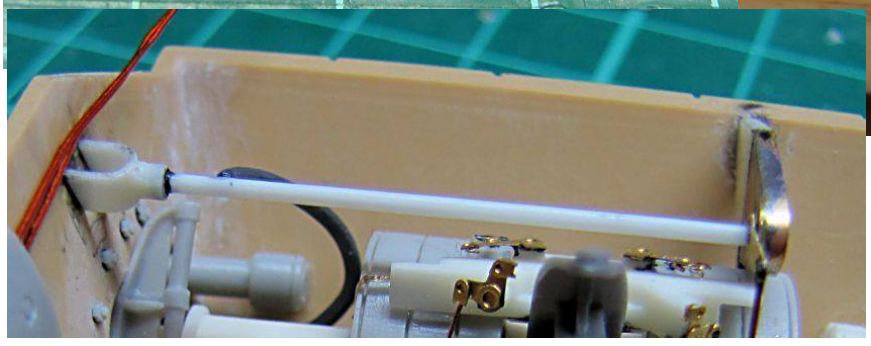






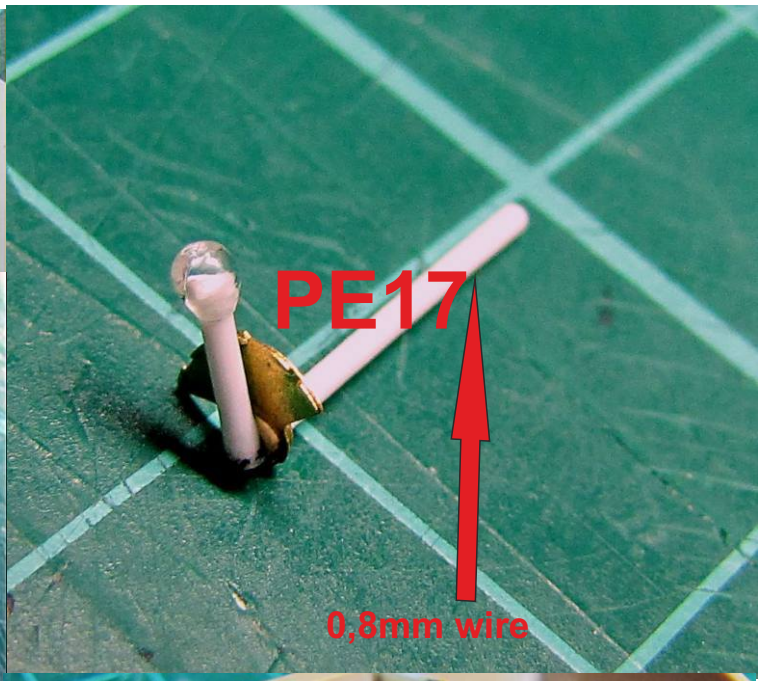


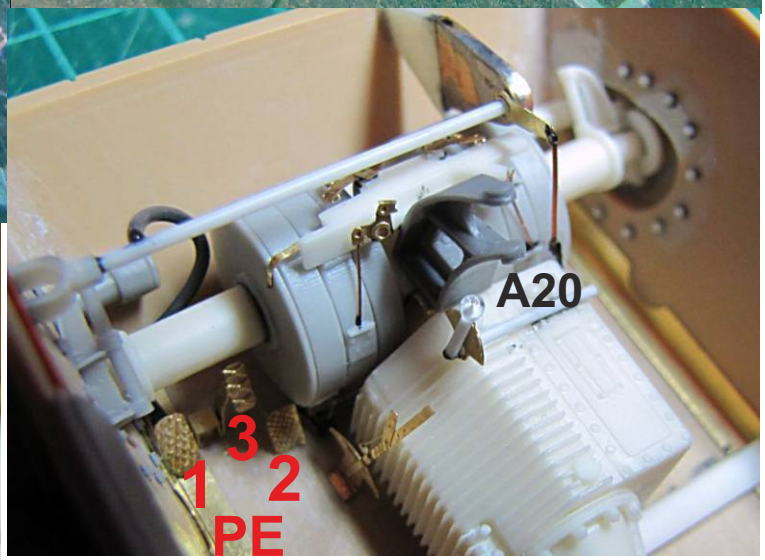


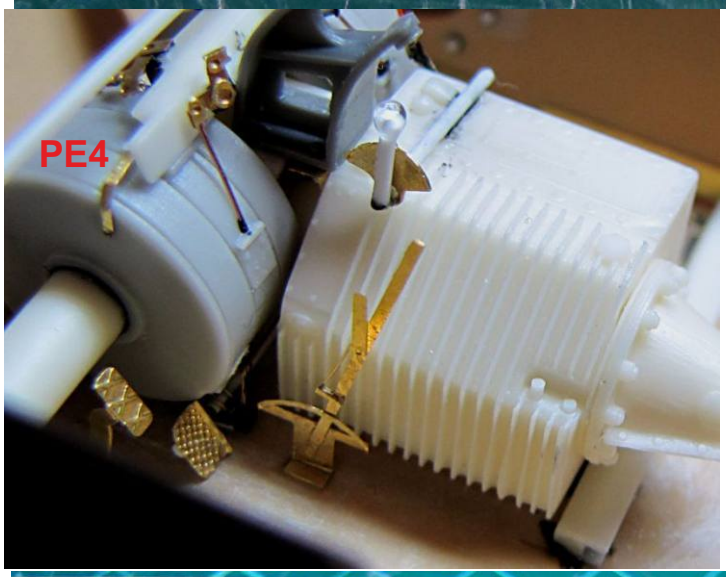


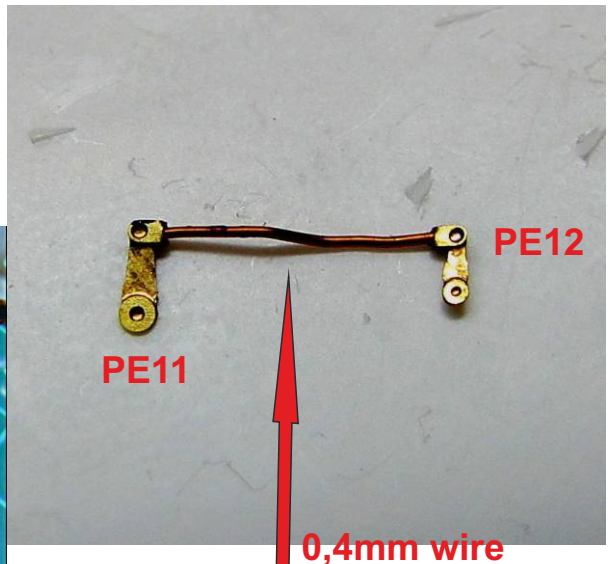
PE13 and 1mm diameter rod 27,4mm long + A30 resin holder - and whole thing mounted on the hull walls.

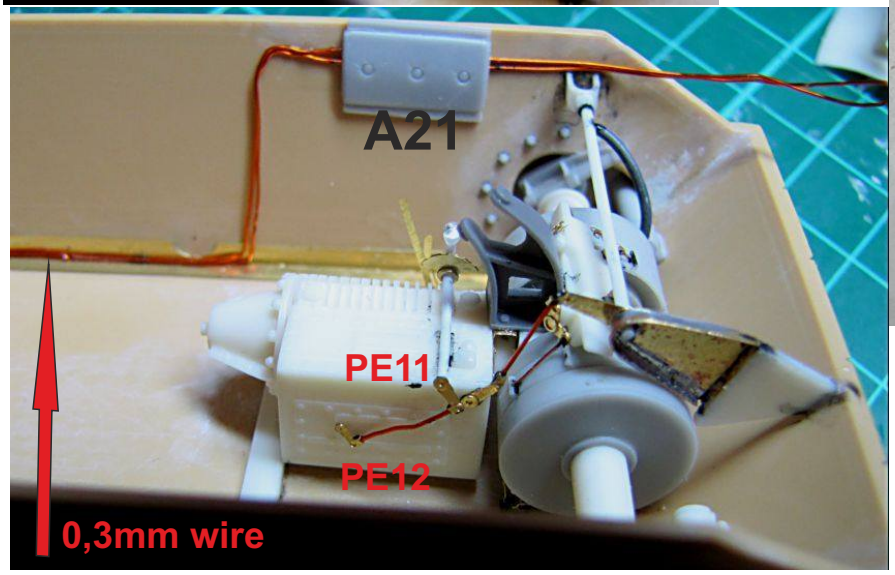
More PE parts and details added, pedals and levers. Assembly is shown in pictures. The ball on the lever mounted on the top of the gear box is made of C/A glue - the rod top was stuck a few times in extra thick glue.

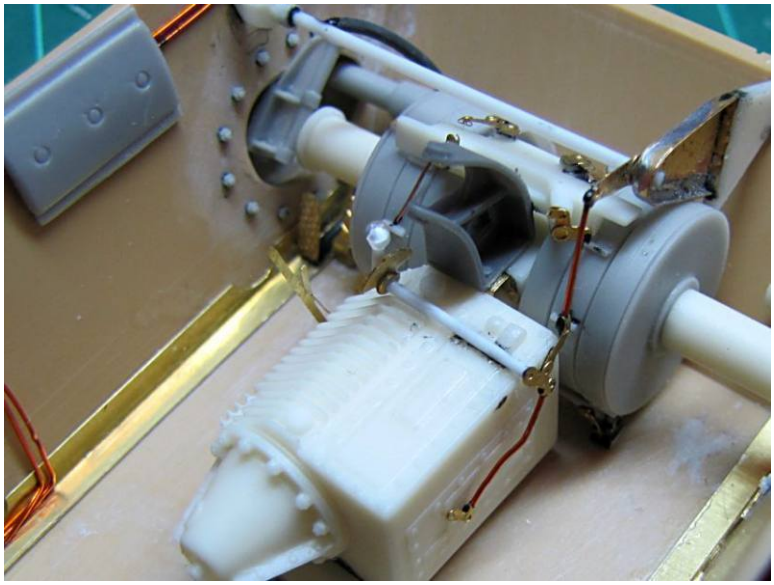


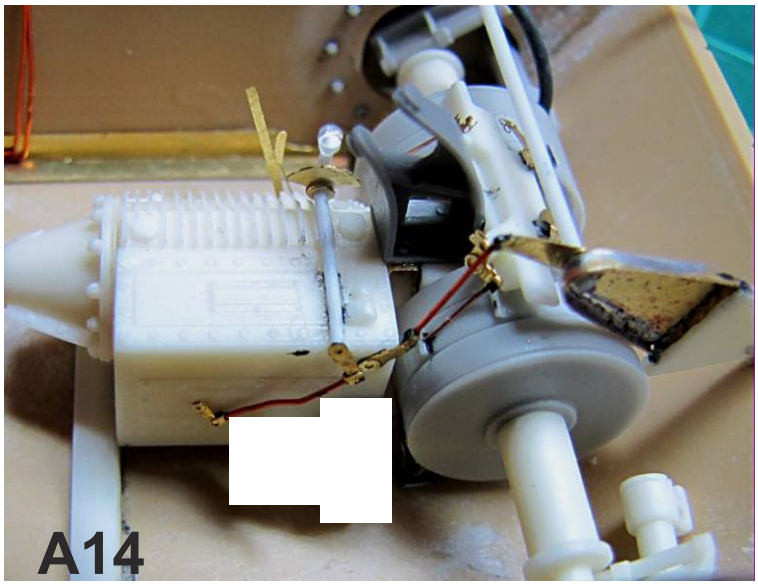


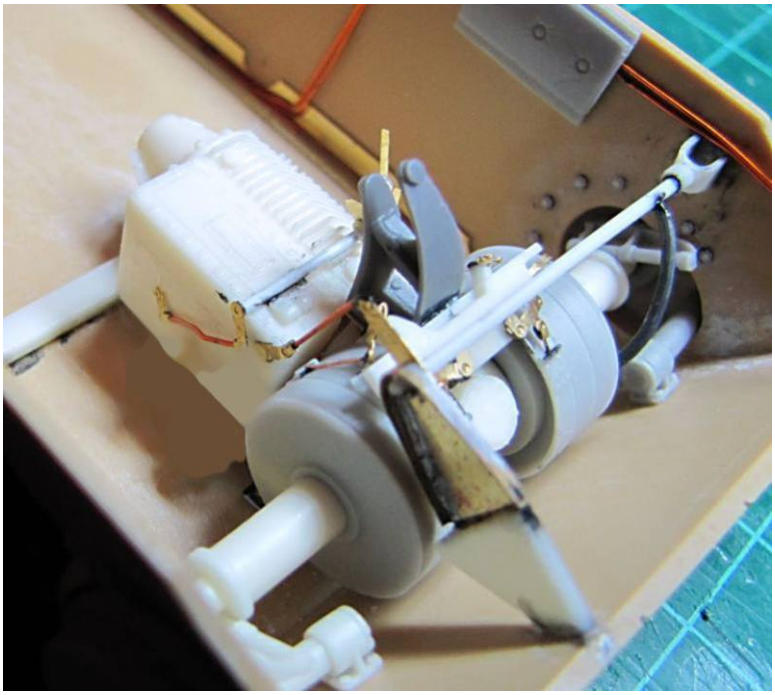




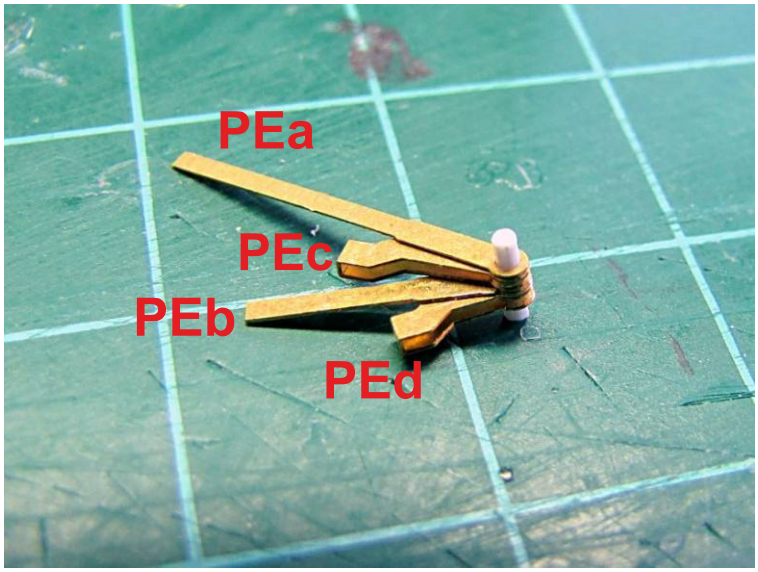


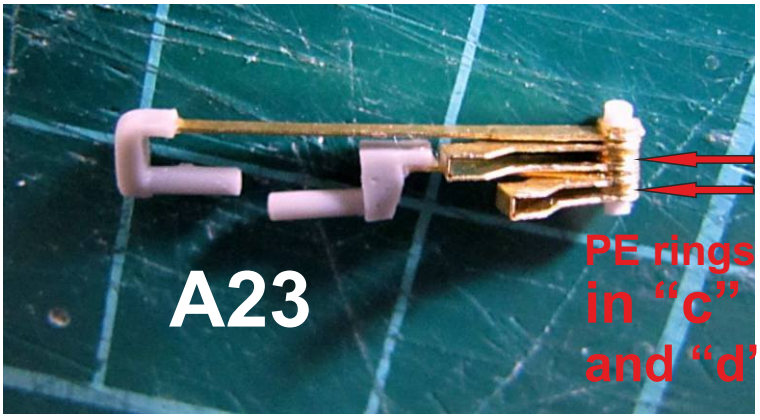


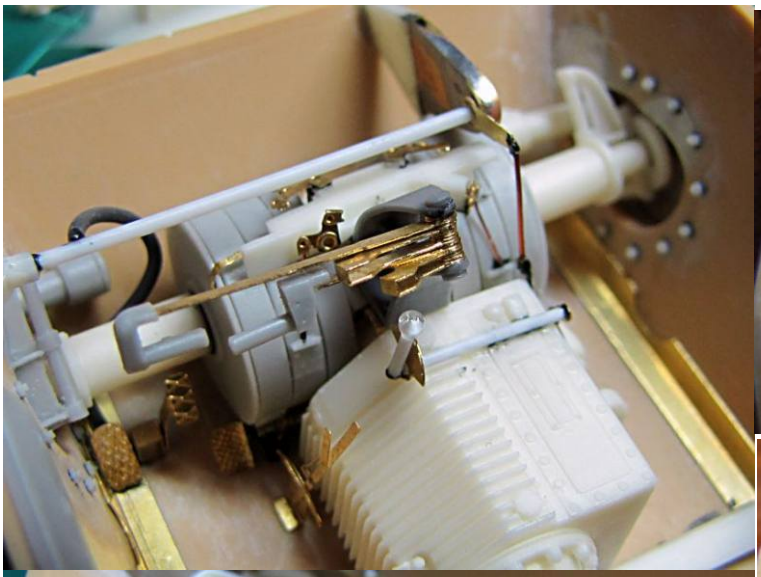


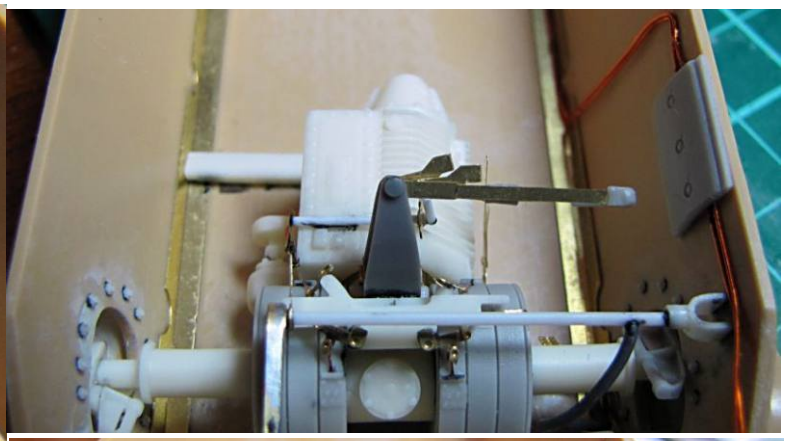


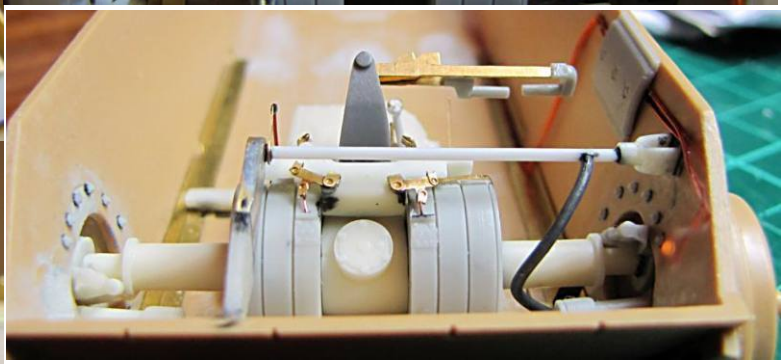
Levers and PE rings assembled on 0,8mm wire or rod 2,7mm long, resin handles added and whole thing mounted in place. Once again some other details added

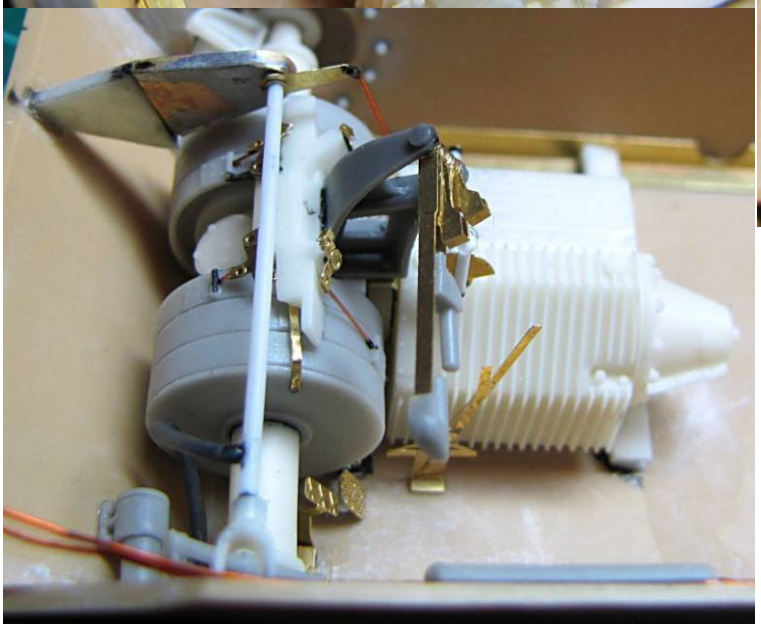


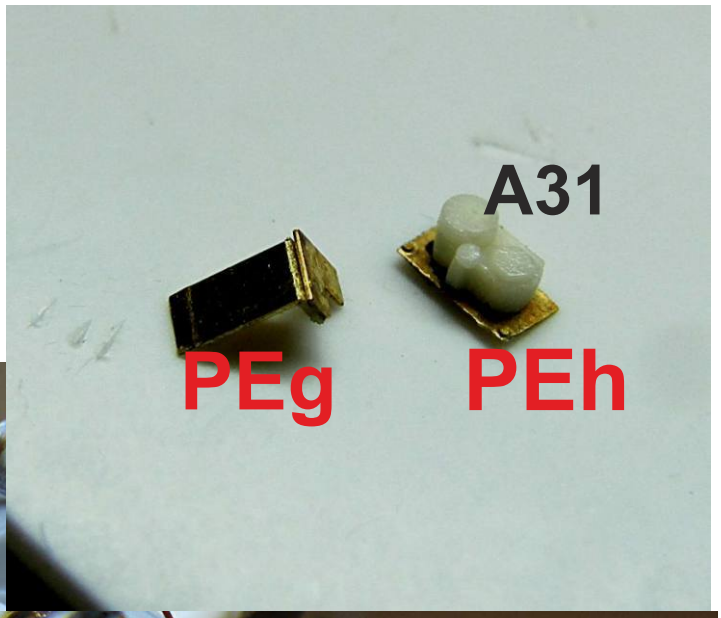


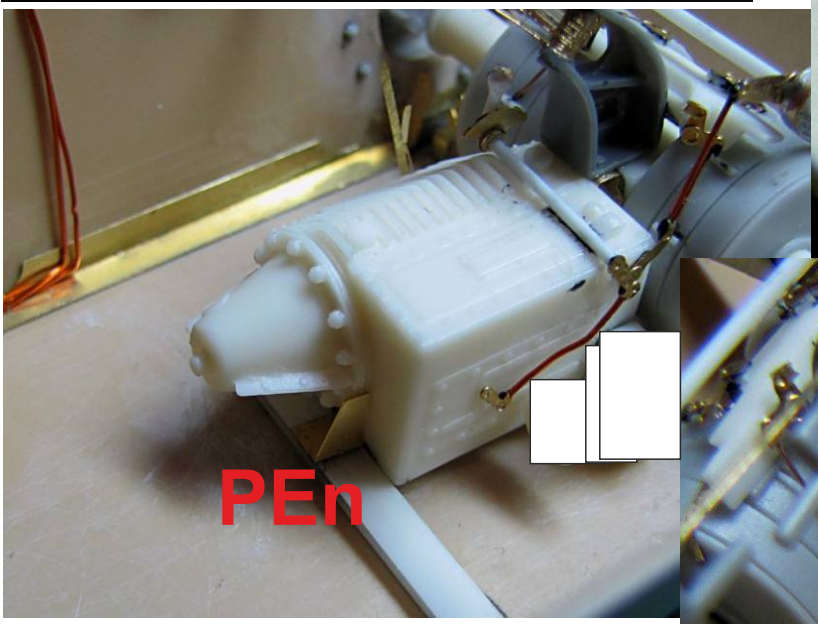


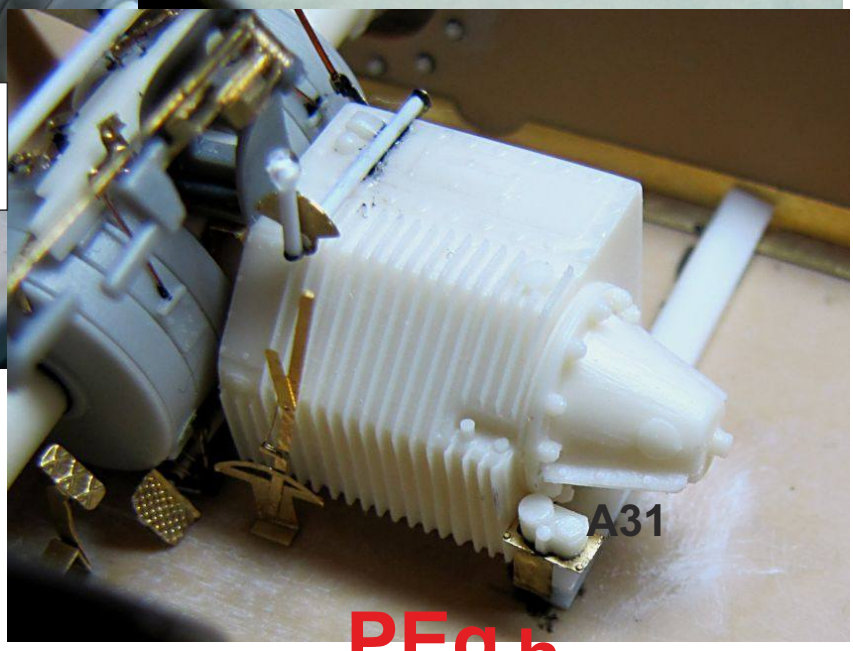


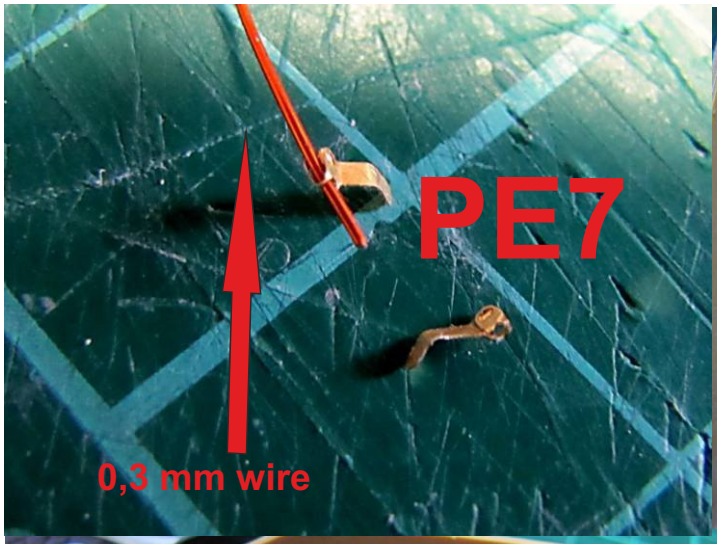




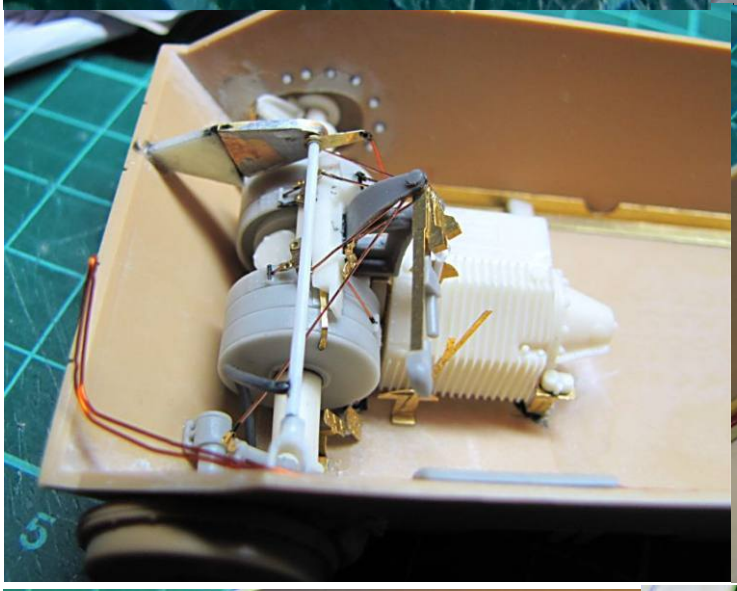

A31
PEg
PEh

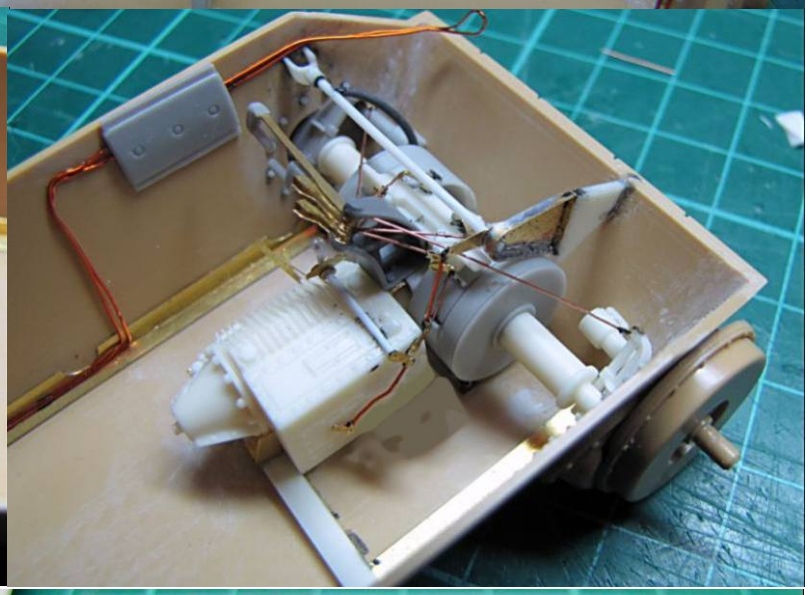

PEn

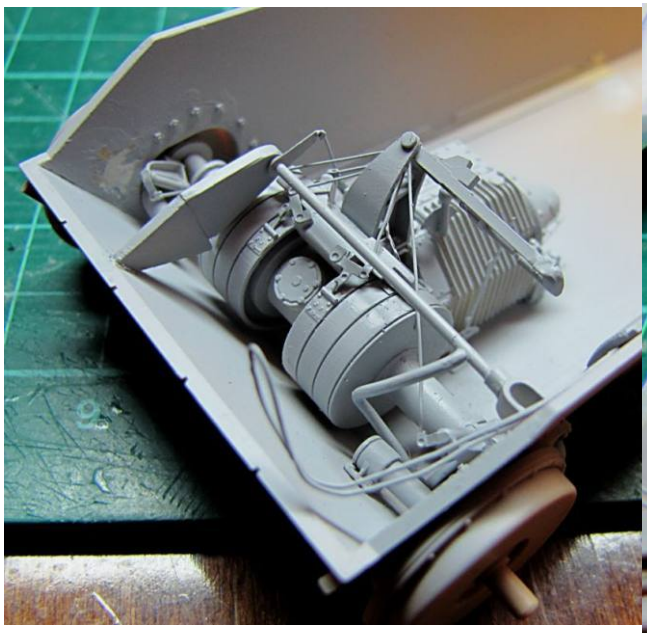

A31
PEg h

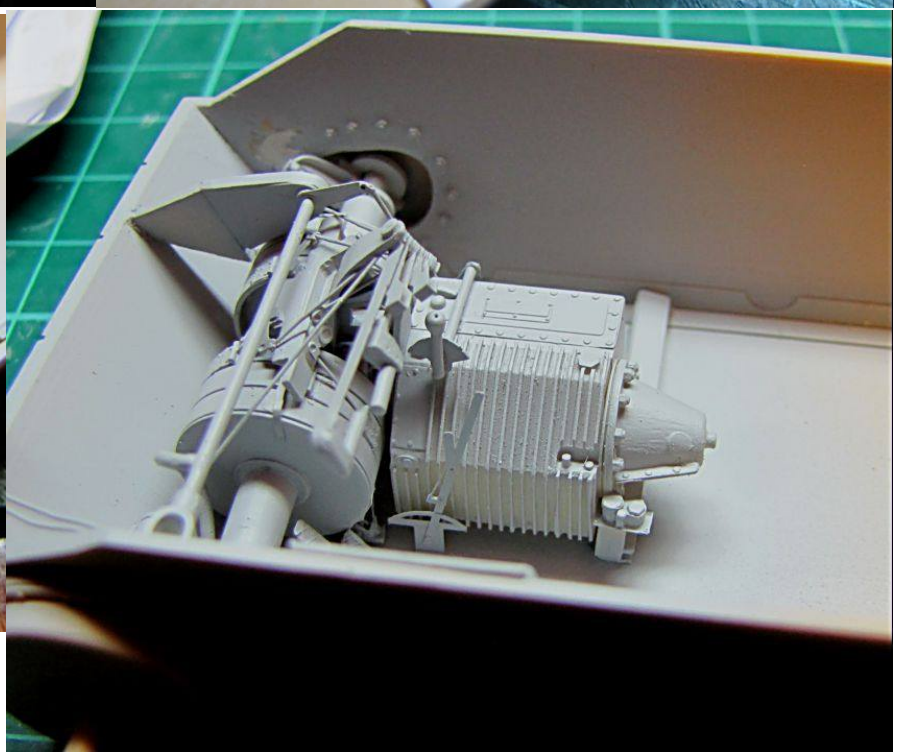

PE7
0,3 mm wire

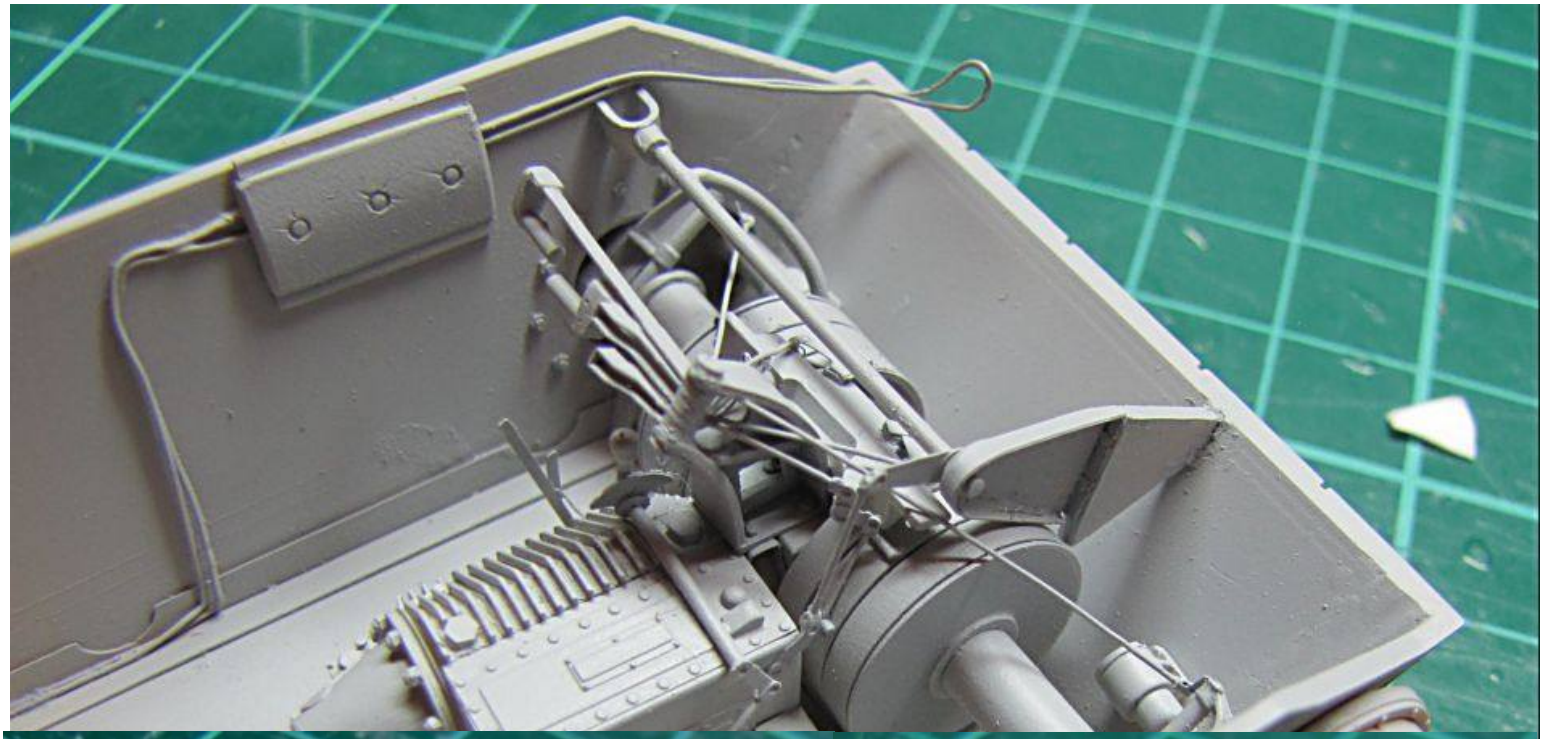

PE7
PE7

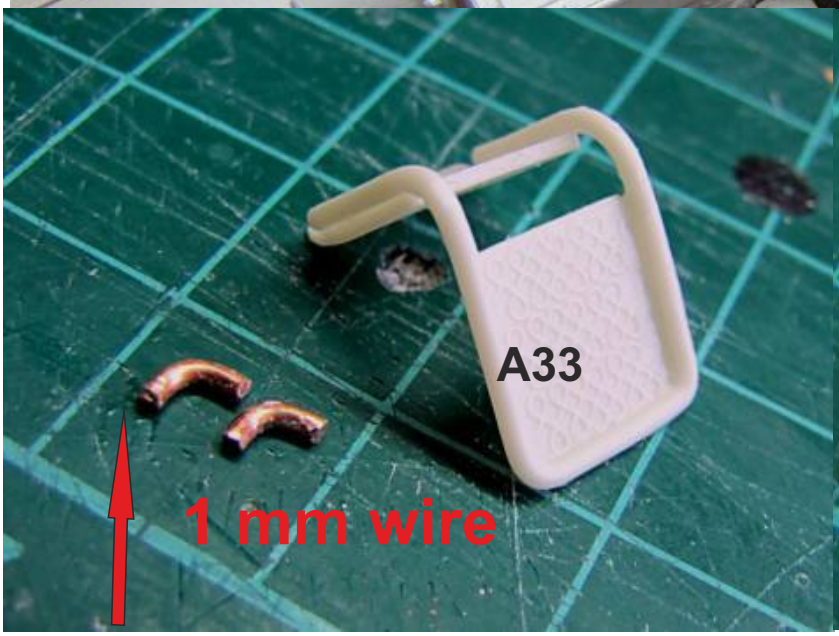


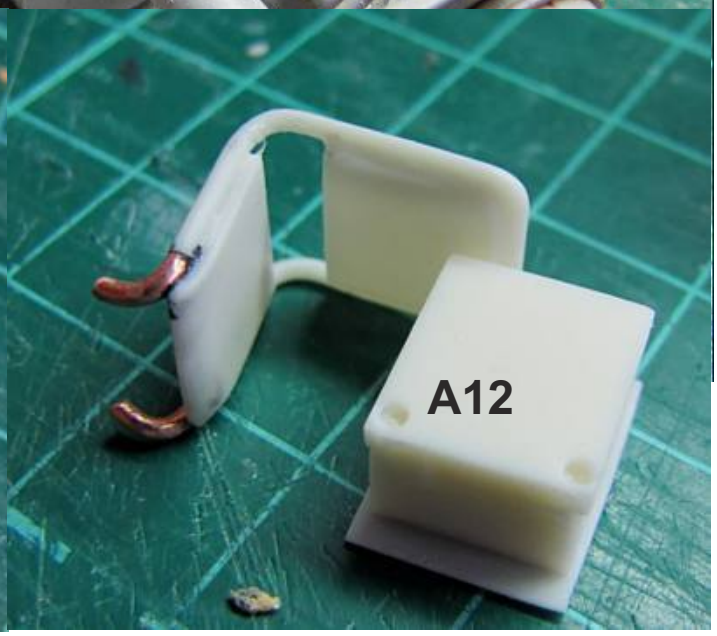




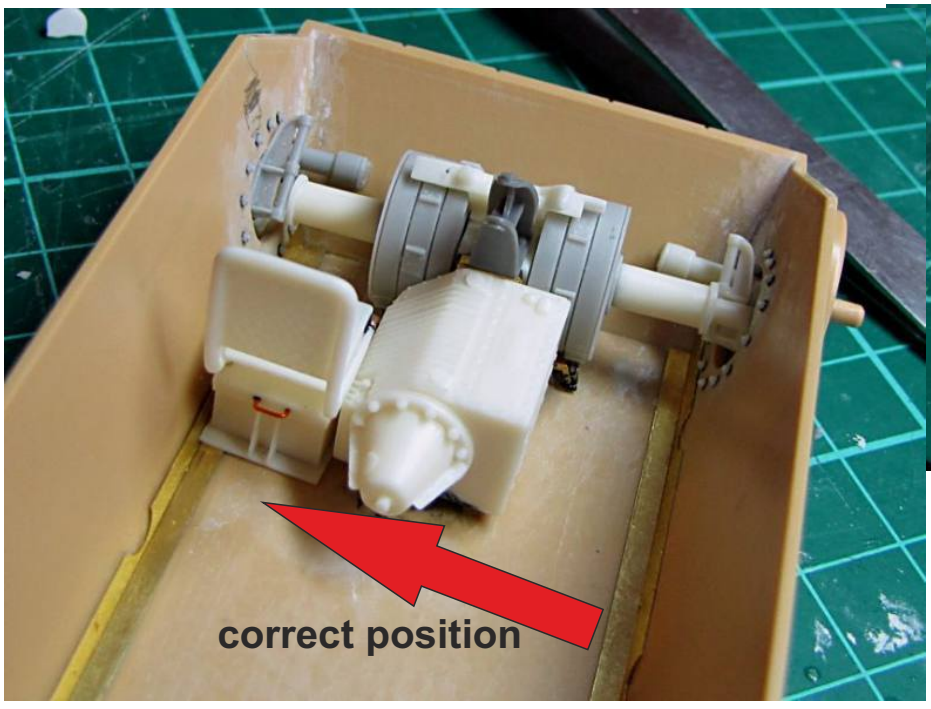


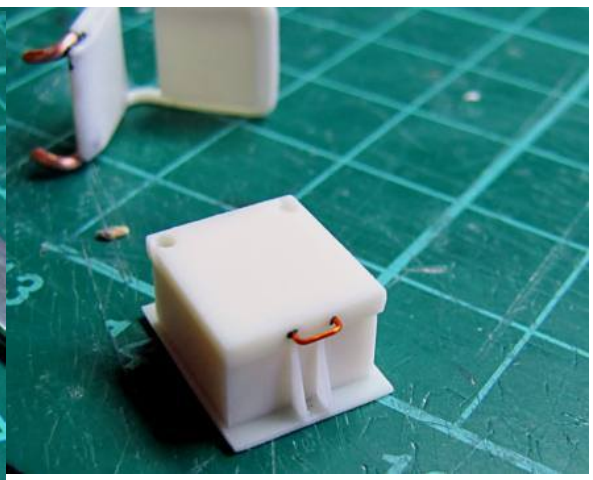




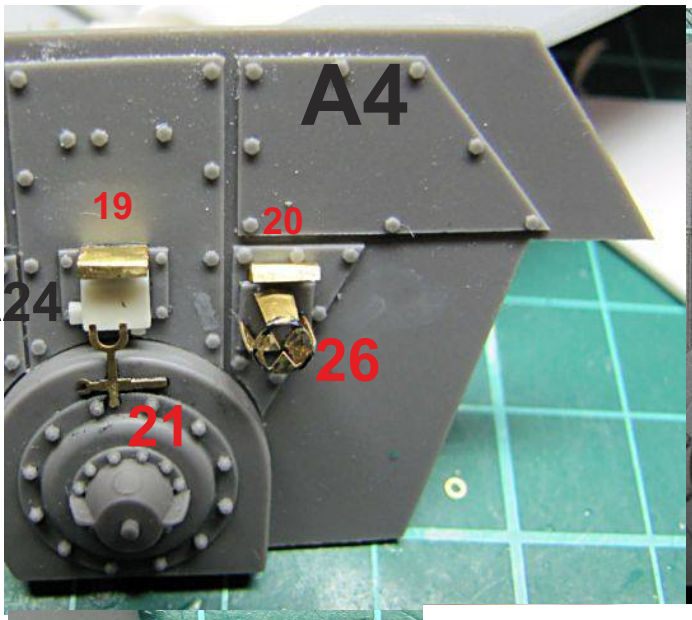


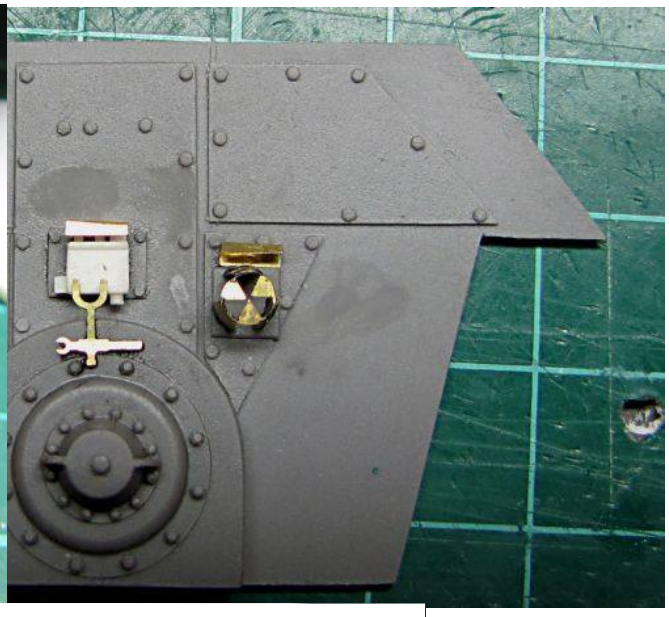
Use 1,2mm drill bit to enlarge holes on the top of the box - just to make seat assembly even easier.
0,3mm wire was used to make a handle at rear side - then glue parts together.

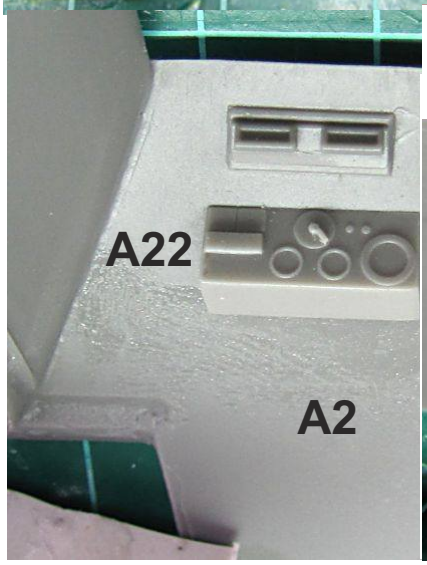


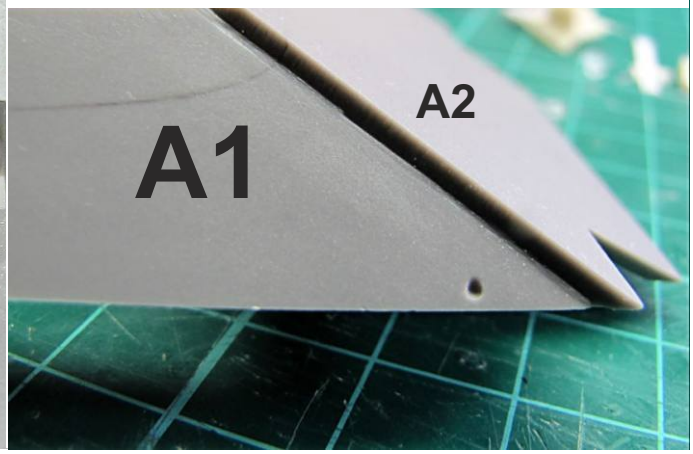


I recommend add details on the rear wall before it is glued into hull

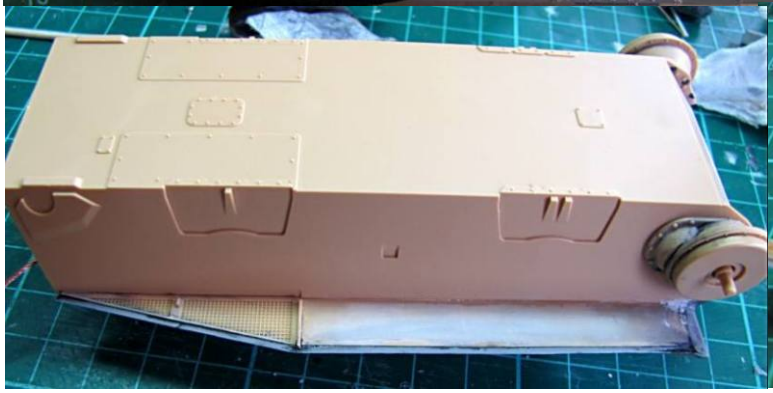


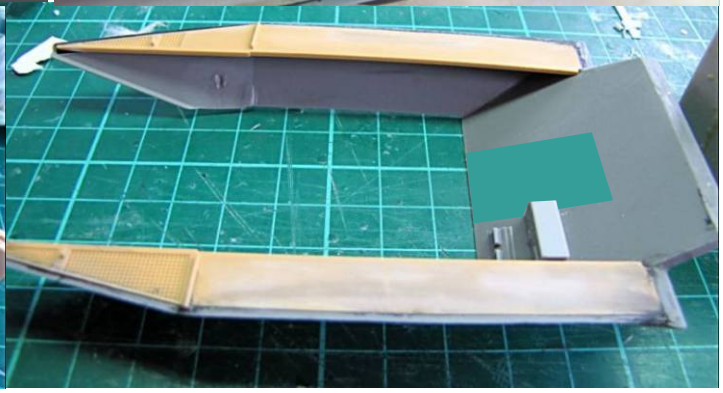


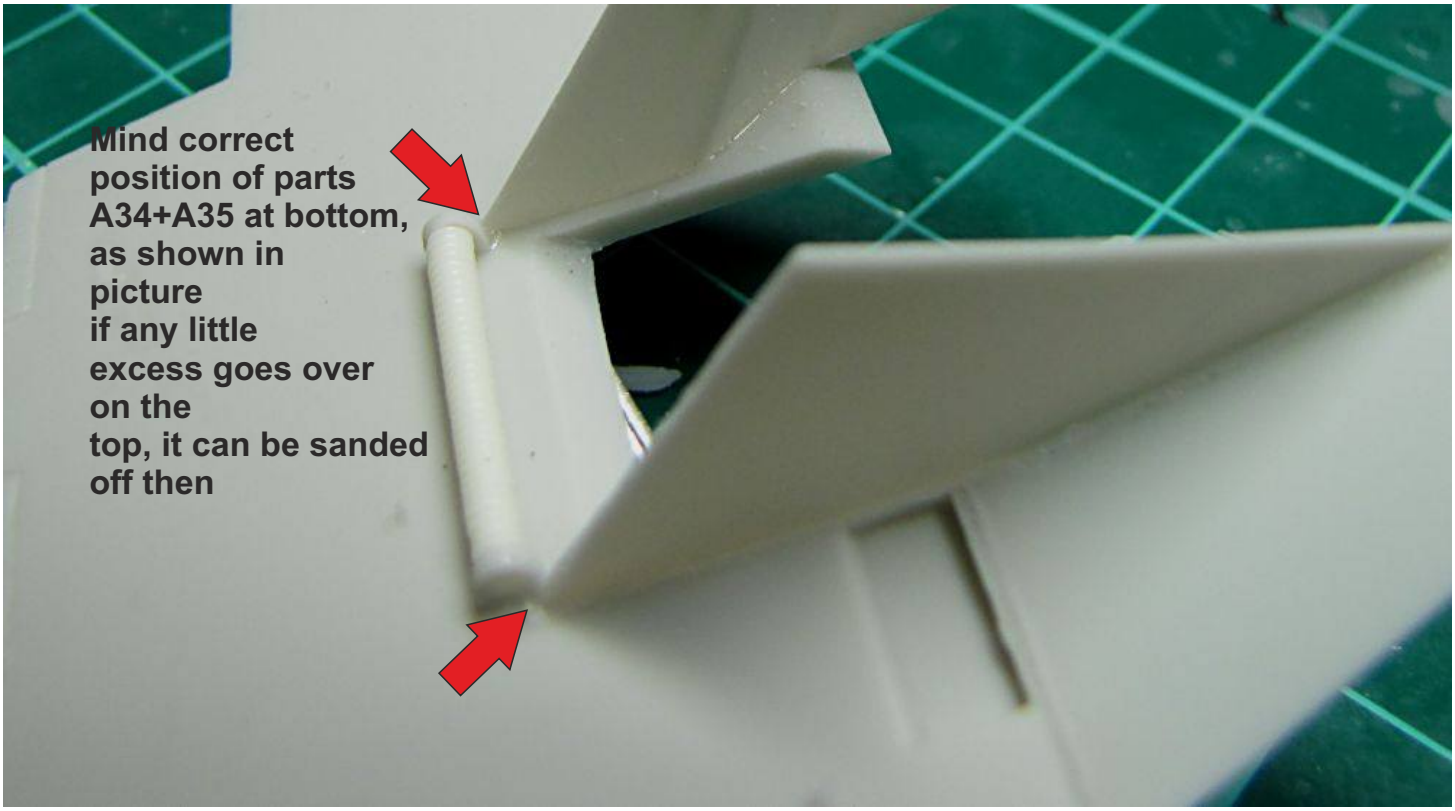


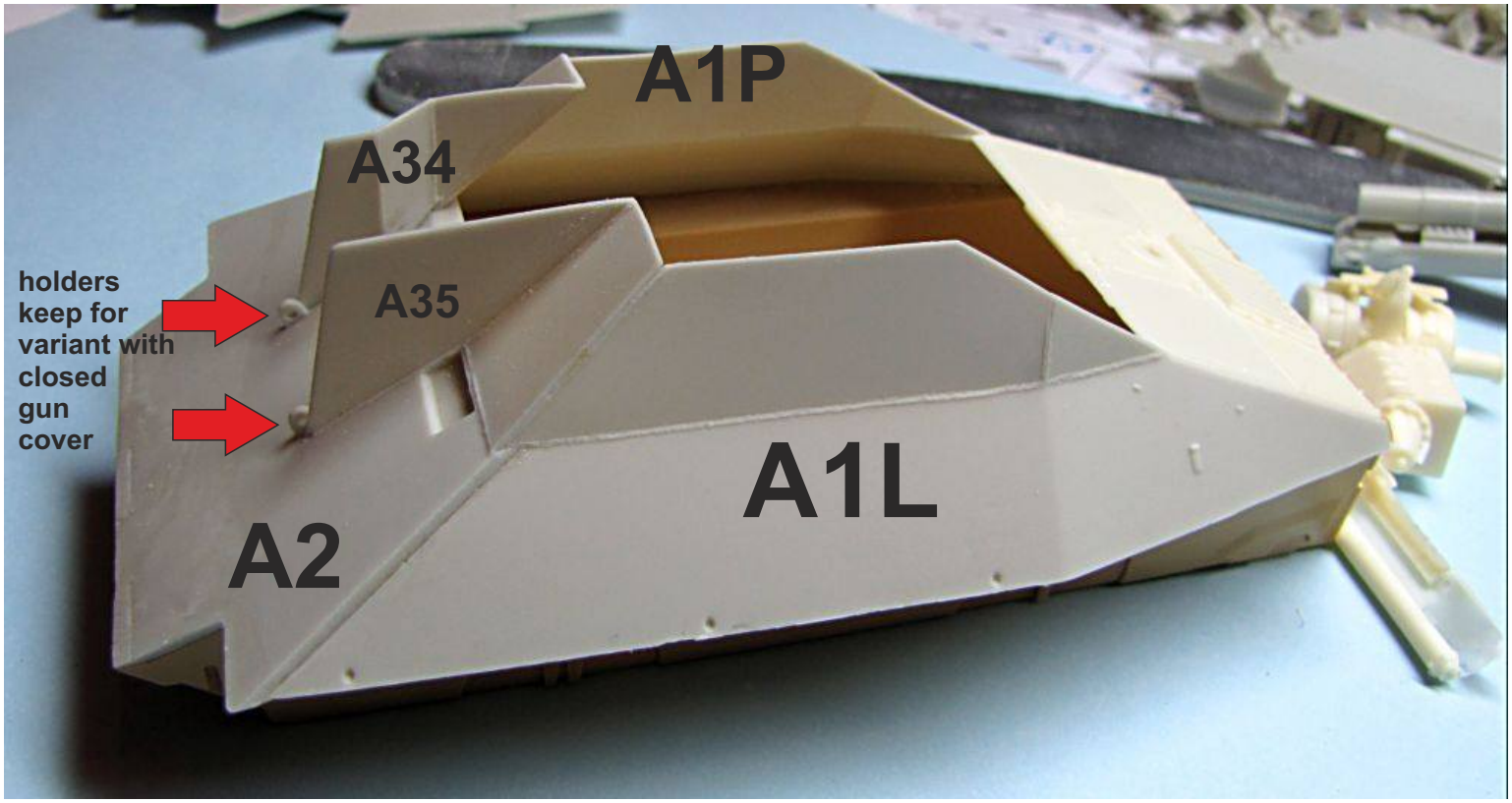


Upper hull is easy to glue together and work with in one piece, but some guys might prefer to assembly side walls one by one. They fit great on Tamiya kit, if Dragon´s one (grey) is used, some more filling and sanding will be needed as shown in pictures

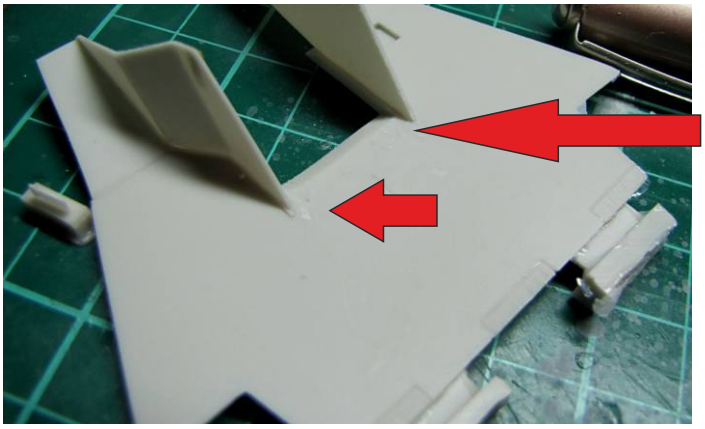




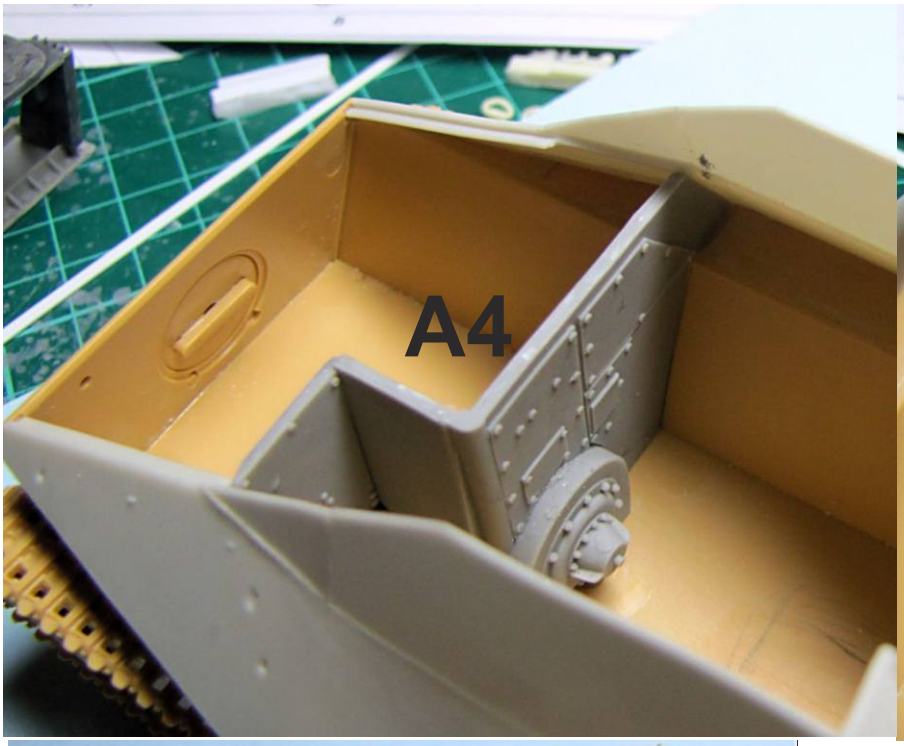


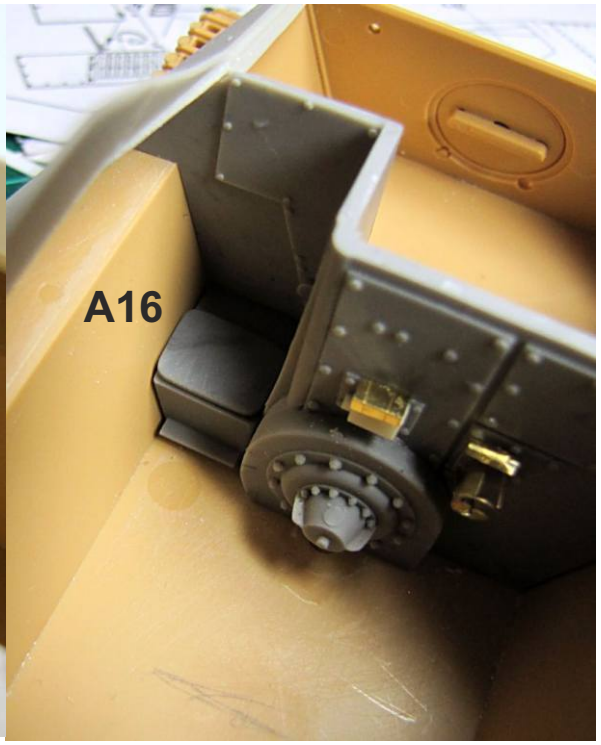


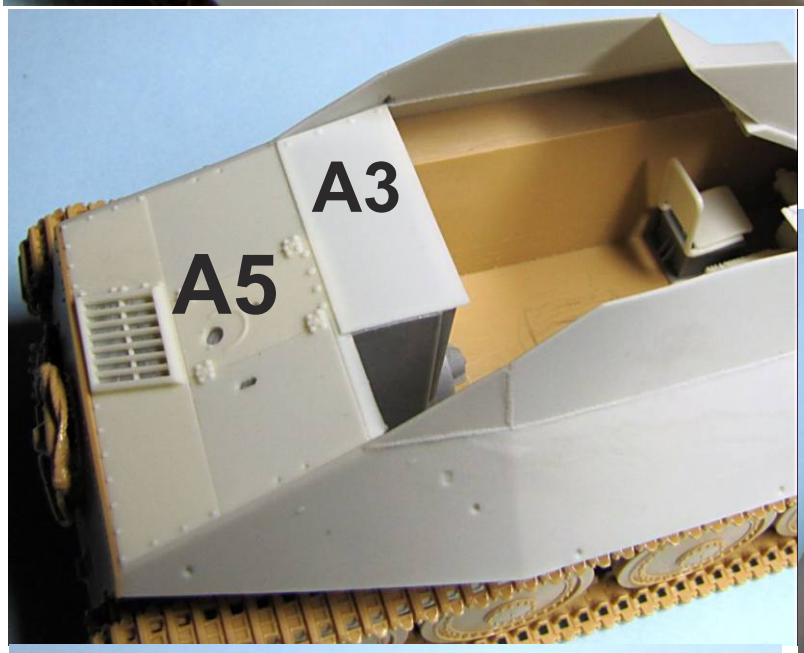
Do not glue A5 before rear wall A4 is assembled - to keep good access for setting it up properly. Gun cover holders molded on front plate A1- marked with red arrows in image above - keep them if you going to build variant with gun cover closed (lifted). Otherwise remove them.



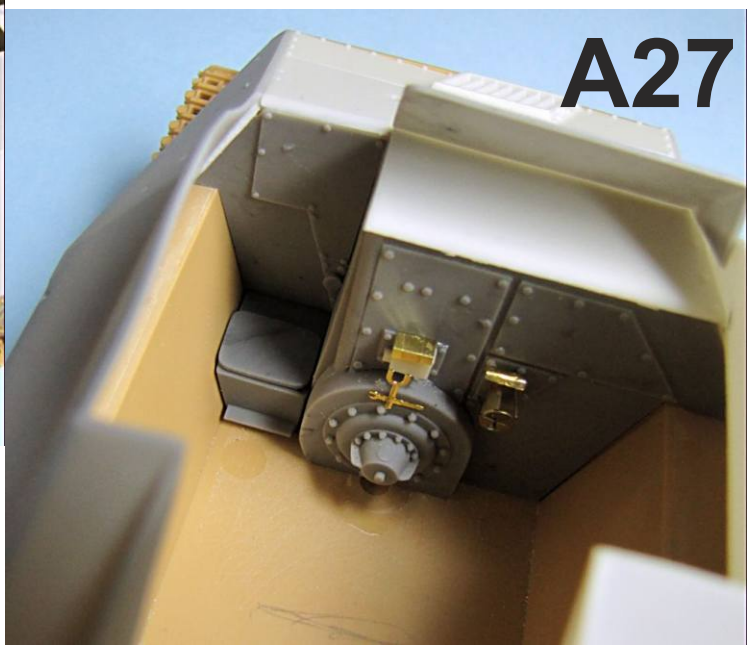
Holders removed for variant with front cover opened - further assembly will be described later

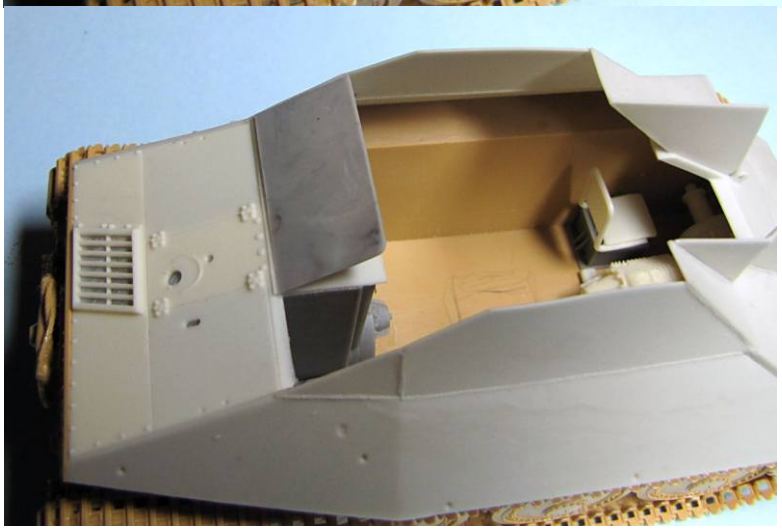


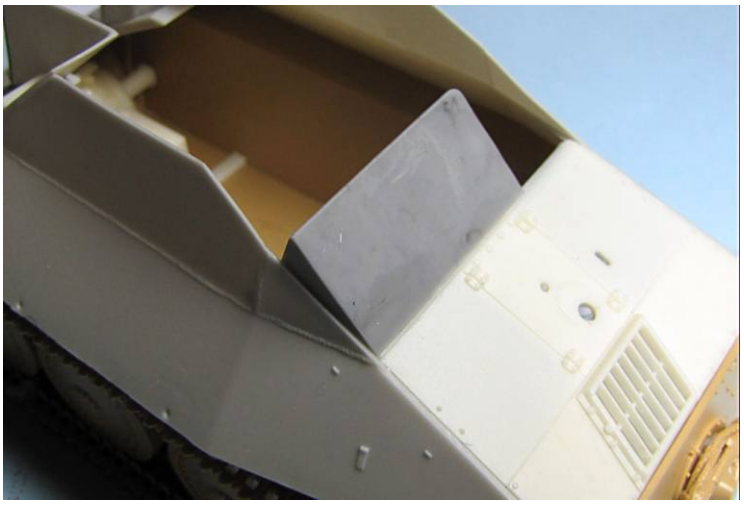




Dry fir A4 - better if all details on it are assembled before because it is much easier
Check its position with A5 and then glue. It should fit perfectly without any sanding of filling



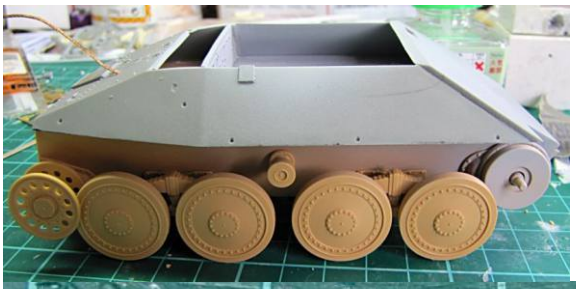


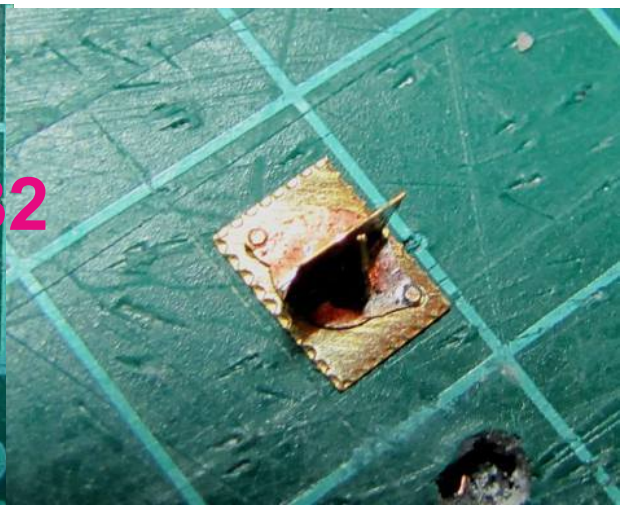


Cover A27 can be assembled lowered or lifted - if lowered, only 4 shell cartridge storage boxes will be assembled on the shelf

Meanwhile you can complete suspensions, add wheels and tracks and get assembled other kit parts conversion parts for assembly.

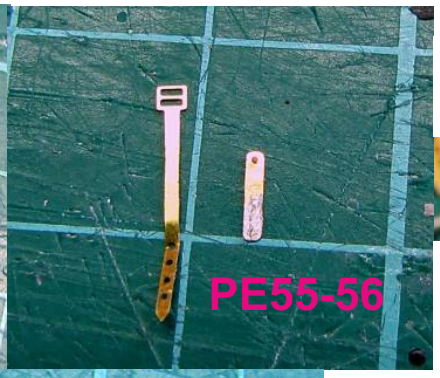
Many our PE parts are included to upgrade the build, but often plastic parts provided in the kits can be simply used instead, depending on everybody´s personal taste

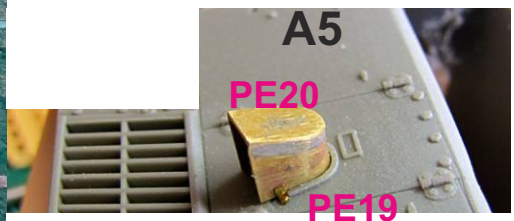




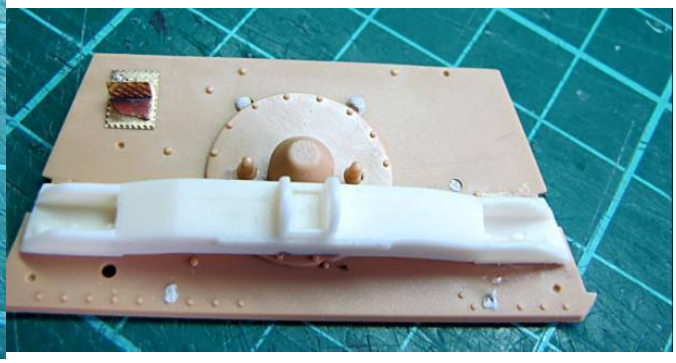
PE 16+17 can replace kit parts D56+D57

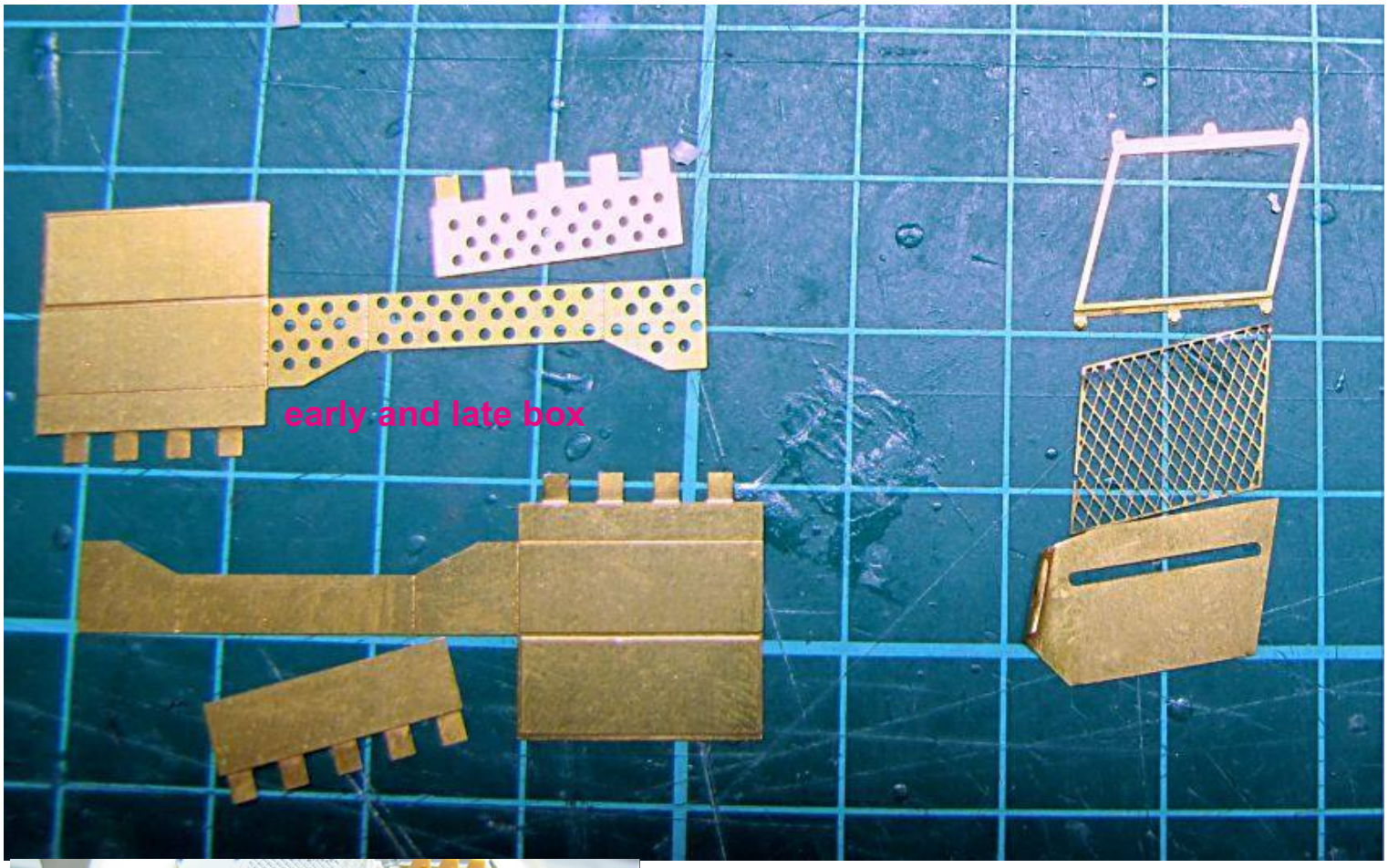

Rope made of suitable thread or wire

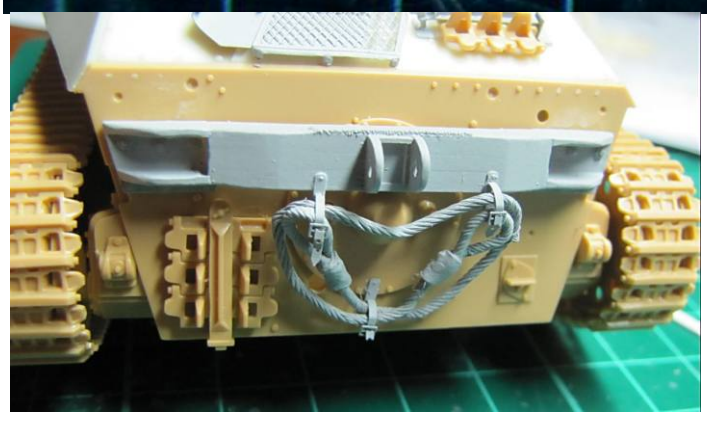

PE55-56

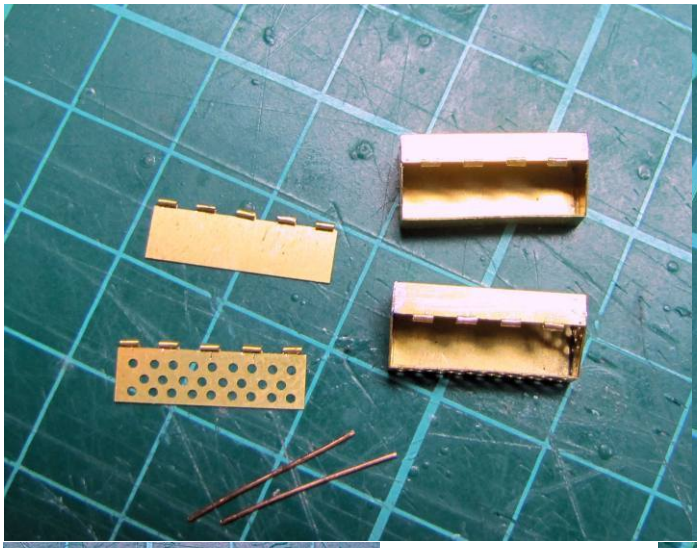

A5
PE20
PE19

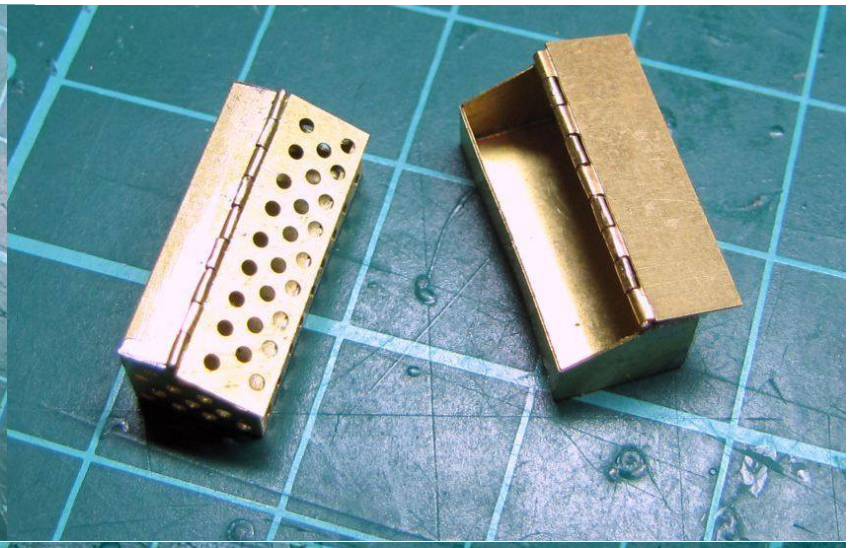

A36



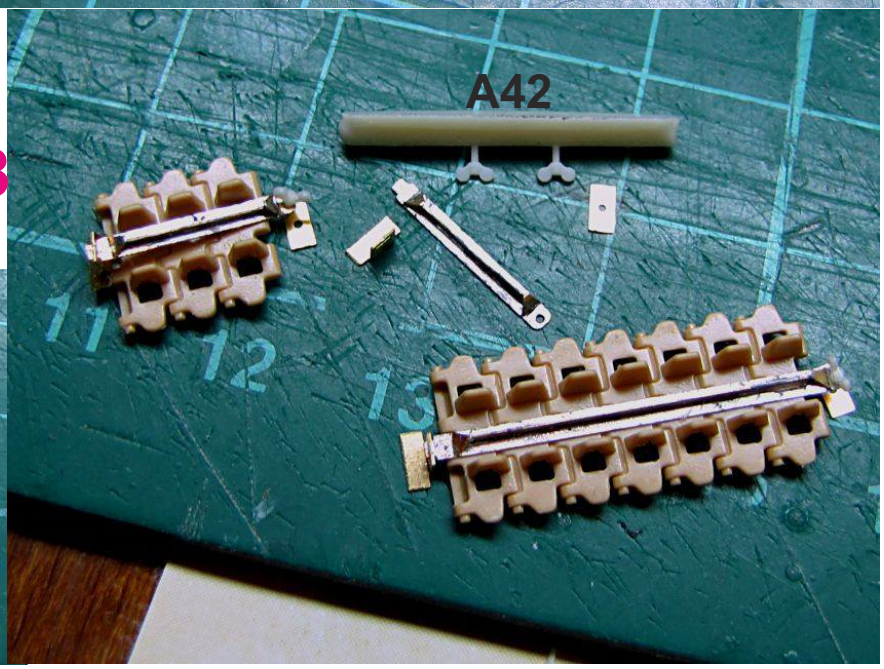

early and late box



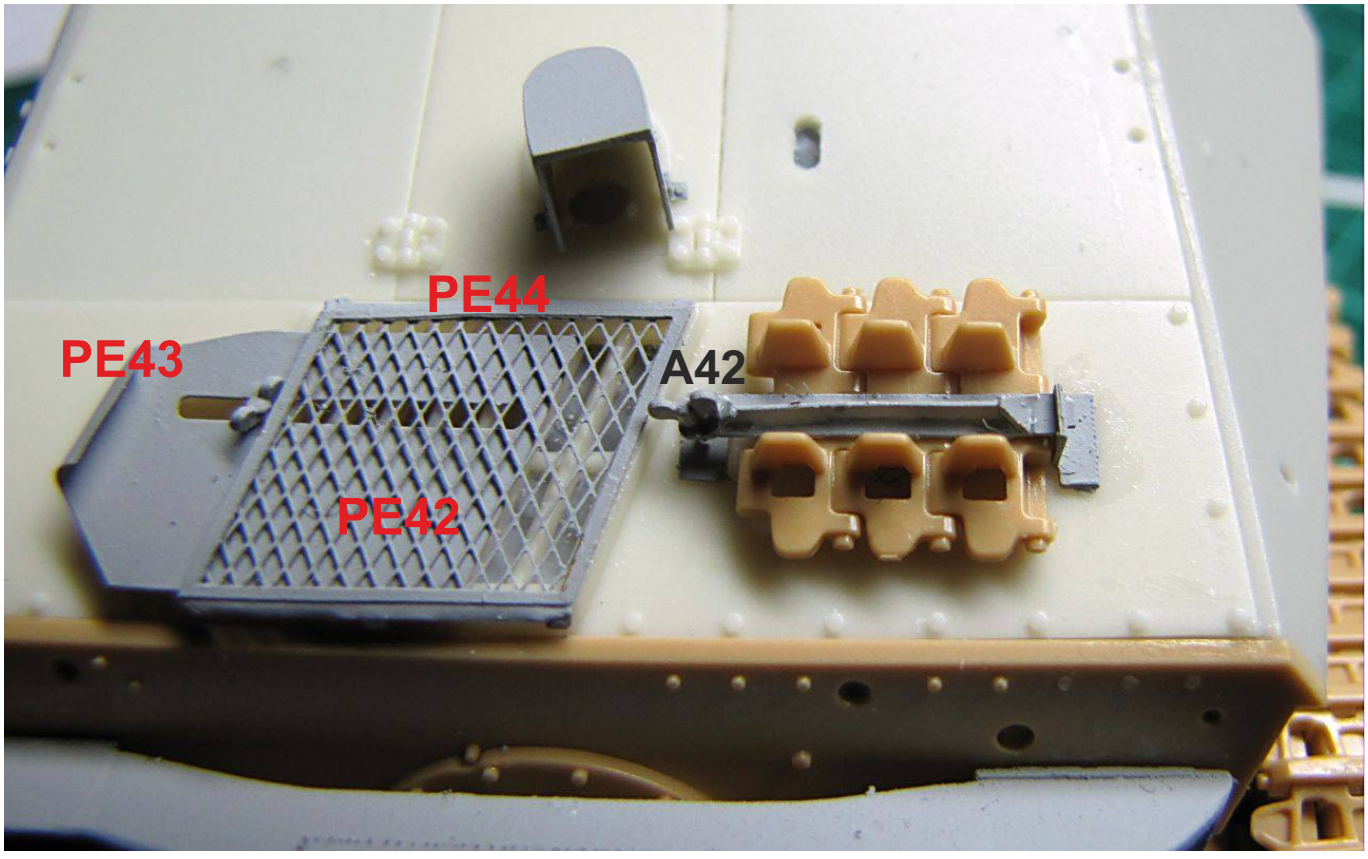


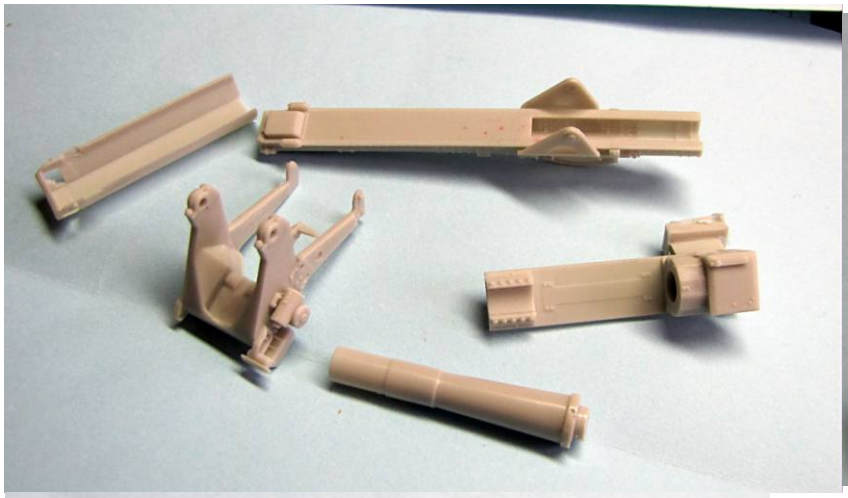


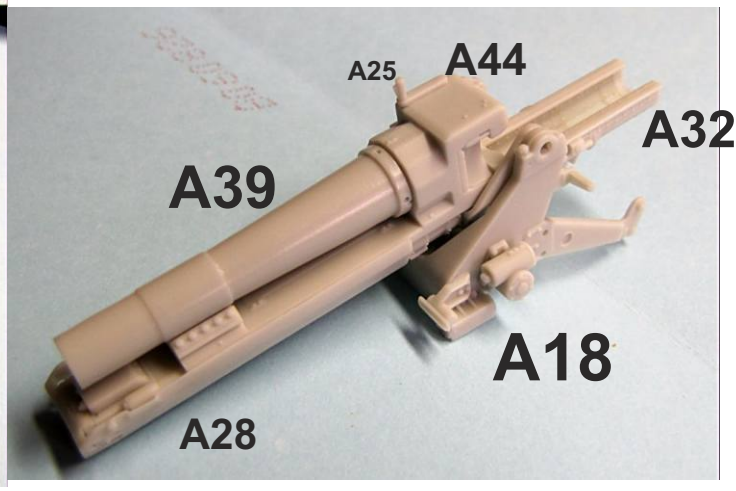
PE23-28



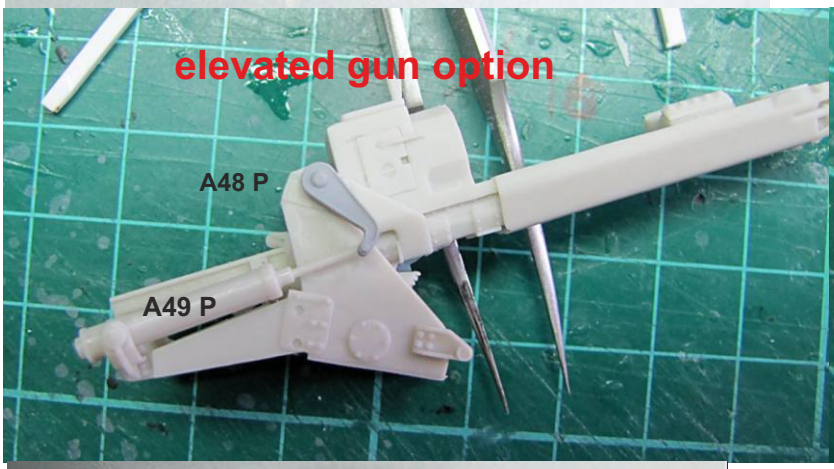
Longer track section is not used for this model

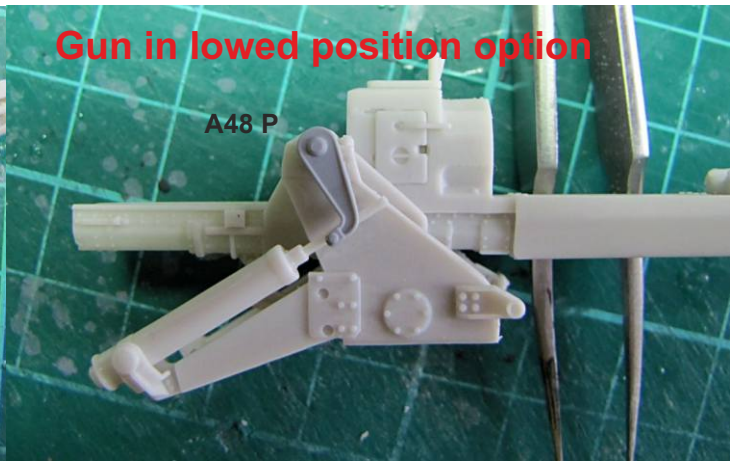


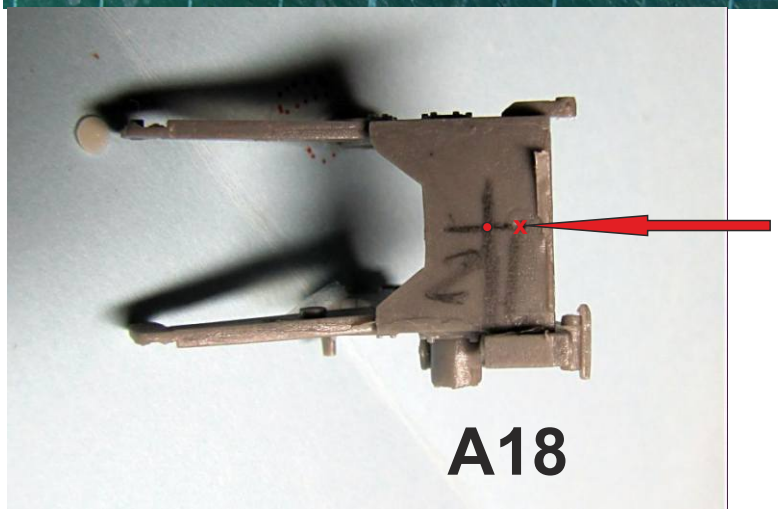




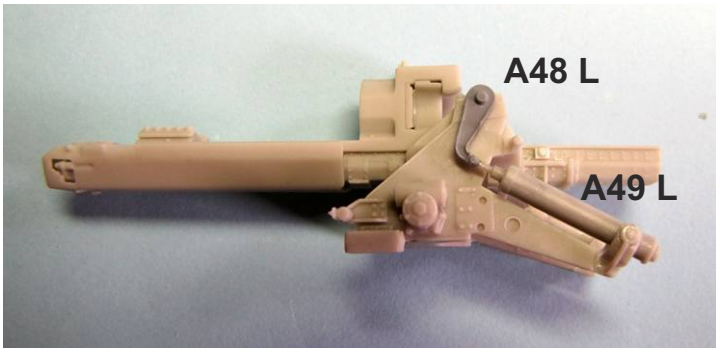
A49 have rods longer than needed
For elevated gun turn A48 parts slightly to the front and cut rod of A49 as long as required
For lowed gun A48 will be turned more to the back and rod of A49 will be visible shorted

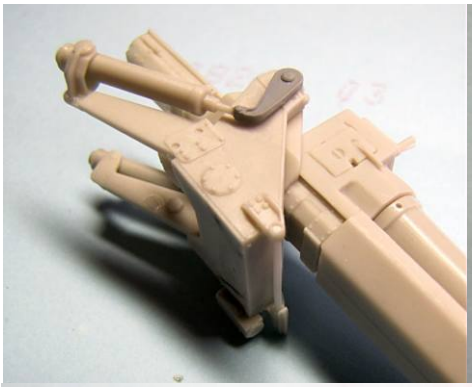


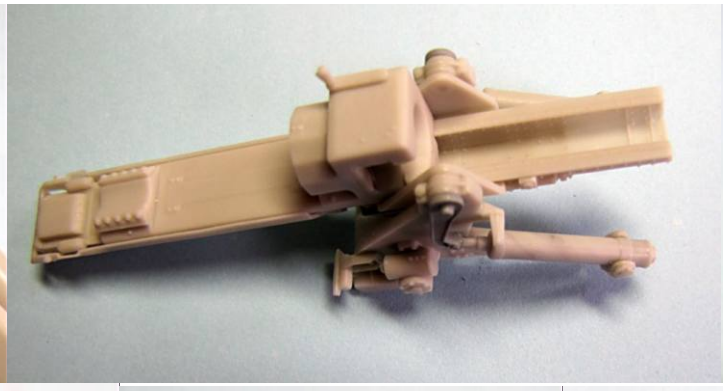




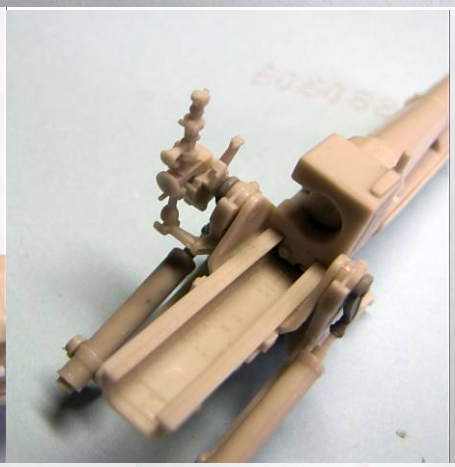
First castings have mark for drilling hole more to the front (marked red arrow)
Correct position is 2mm more to the back - marked red circle. Drill 2mm diameter hole 1mm deep where red circle is located

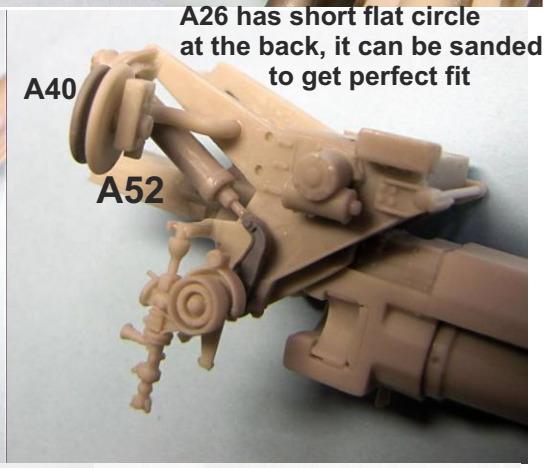






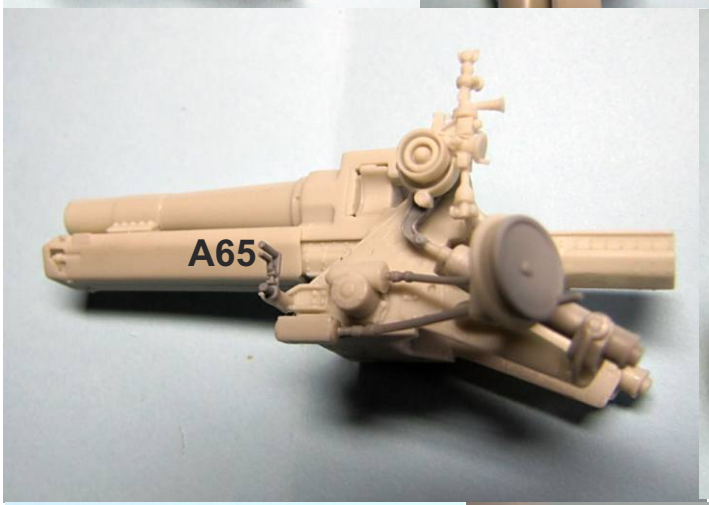

A26
A45



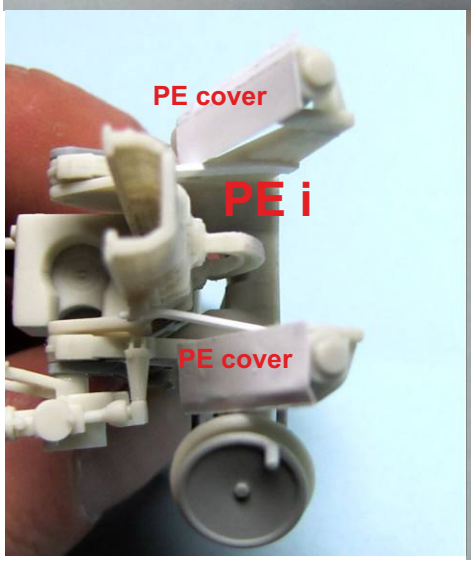

A26 has short flat circle
at the back, it can be sanded
to get perfect fit
A40
A52

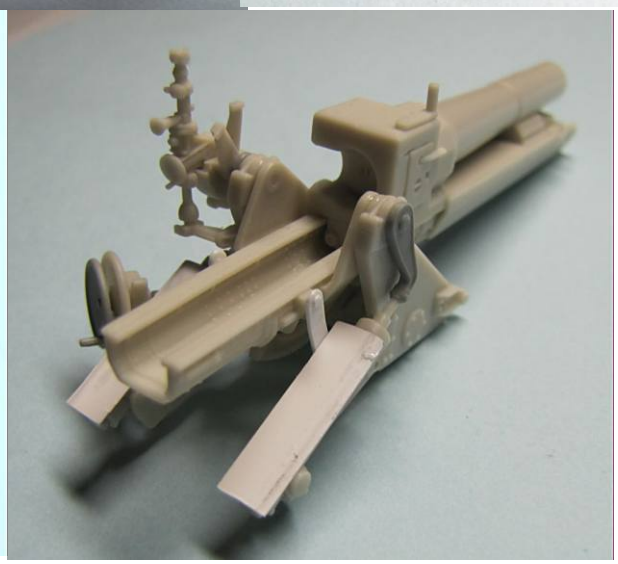

A47

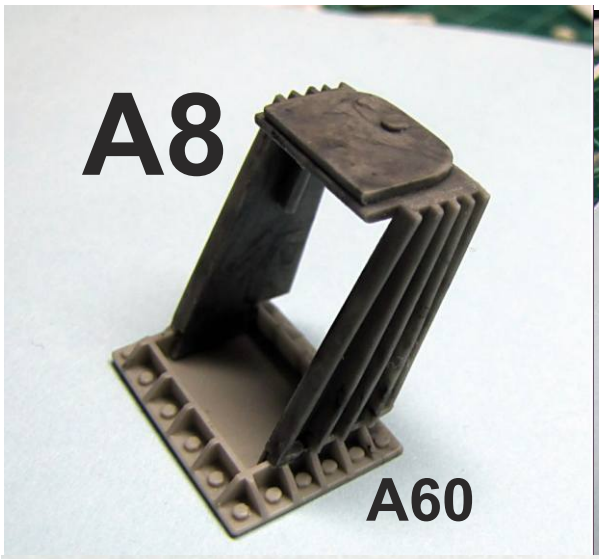

A46

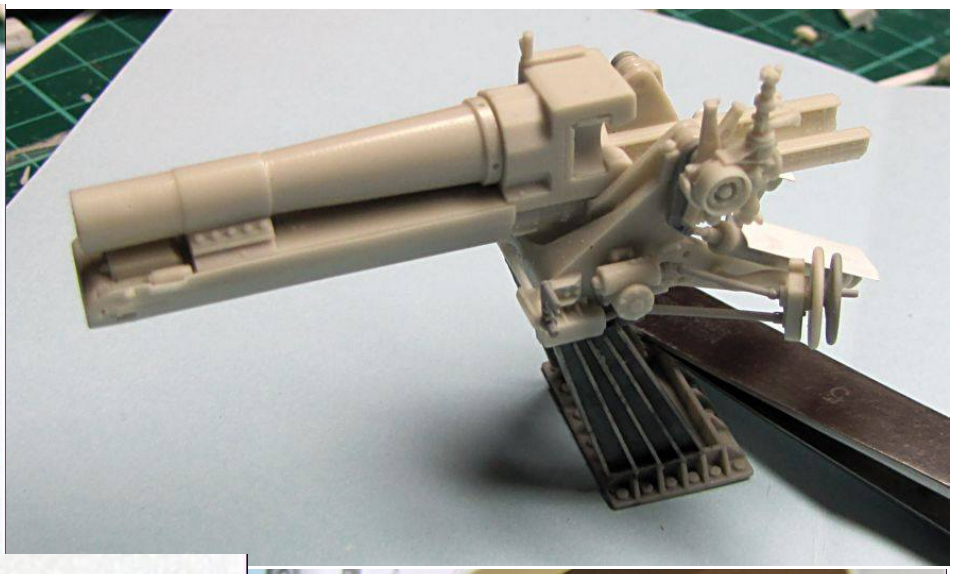

A65

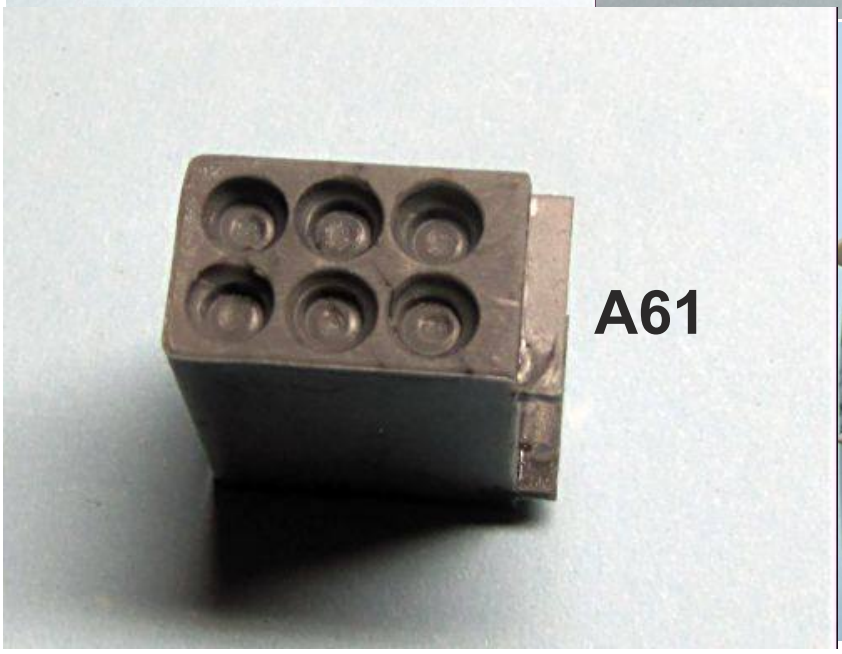

PE i
PE covers (2 separate PE parts)

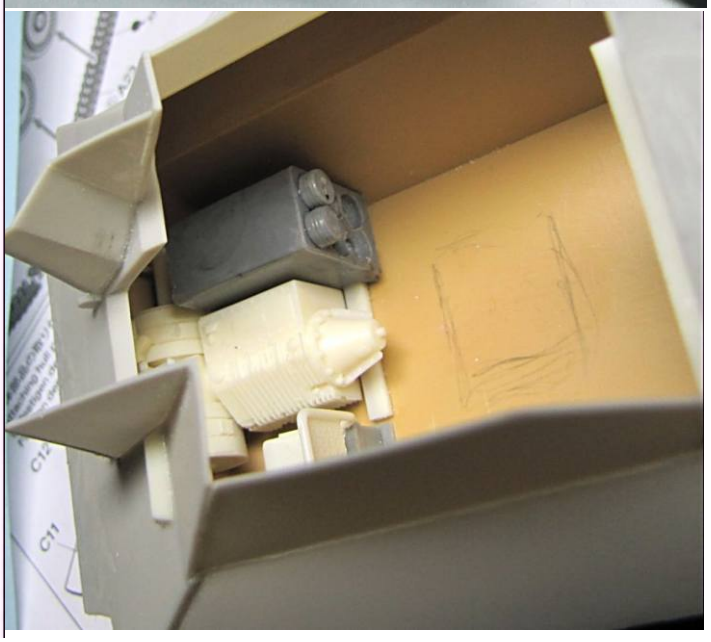

PE cover
PE i
PE cover



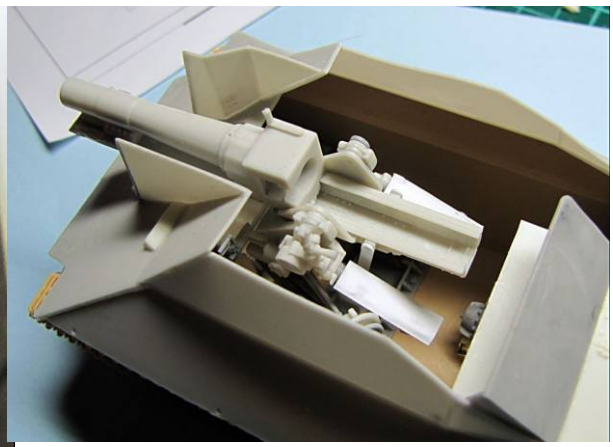


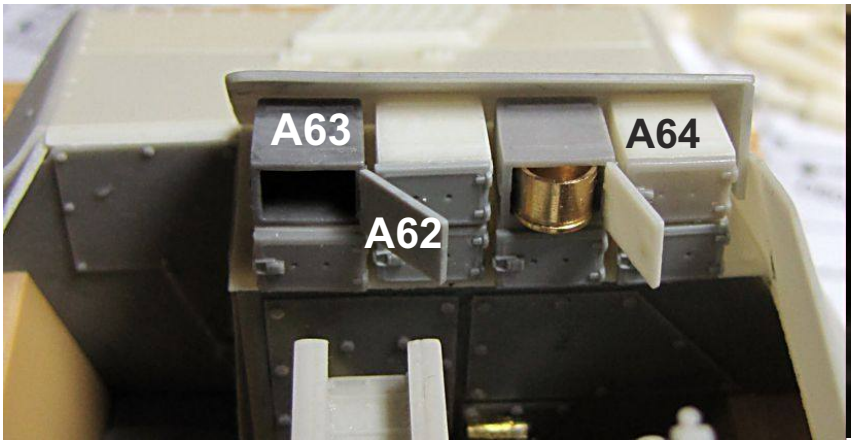




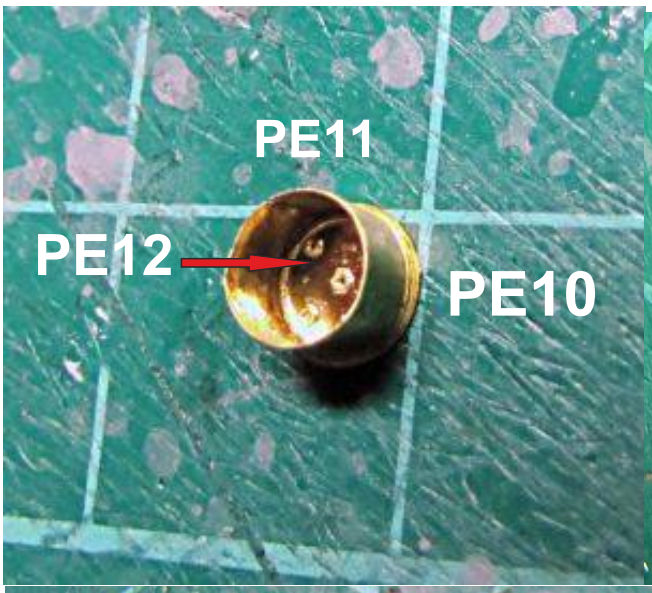


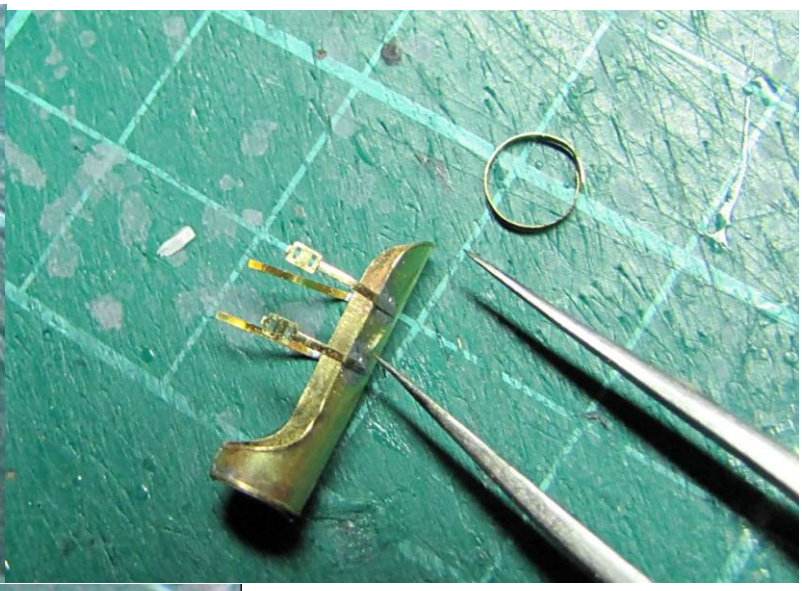
You can drill holes in storage box or just cut ends of ammo shells and glue them into holes
I recommend to dry fit gun on stand A8 and check position in the hull, but then glue just stand on the hull floor without gun - drive shaft A50 needs to be fitted between A9 and A4 through opening in A8 - it is much easier and better access to do this without gun glued on the stand

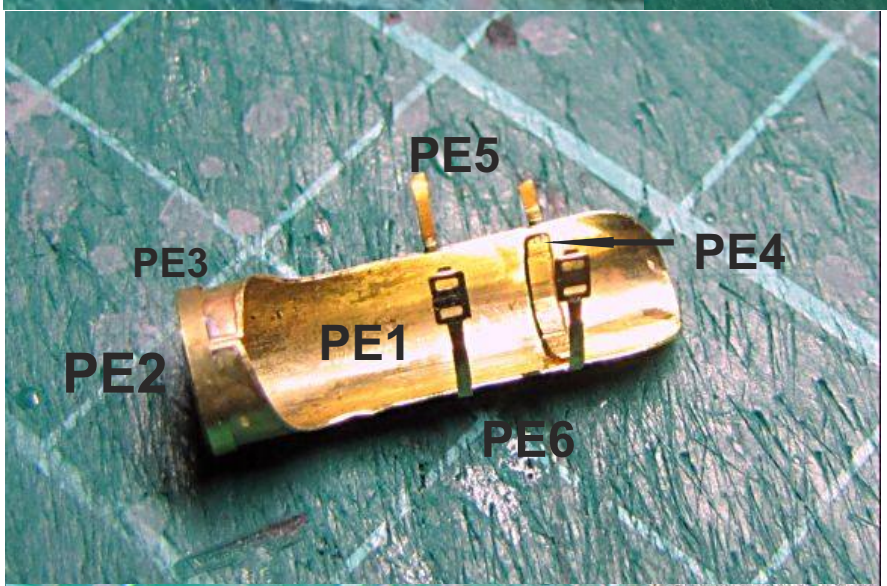




2 boxes in the kit are possible to assemble opened - eventually with shell cartridge in them

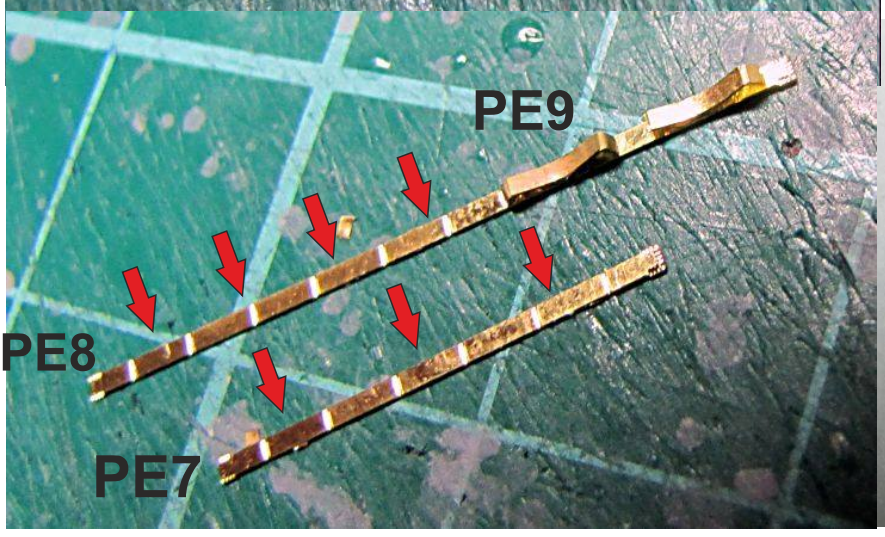


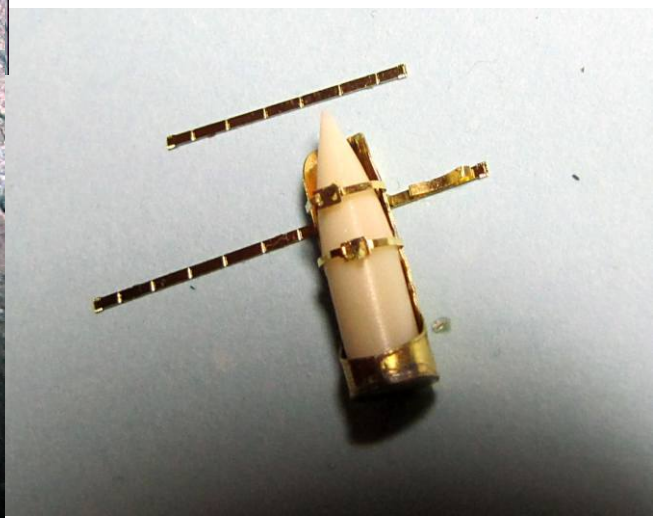


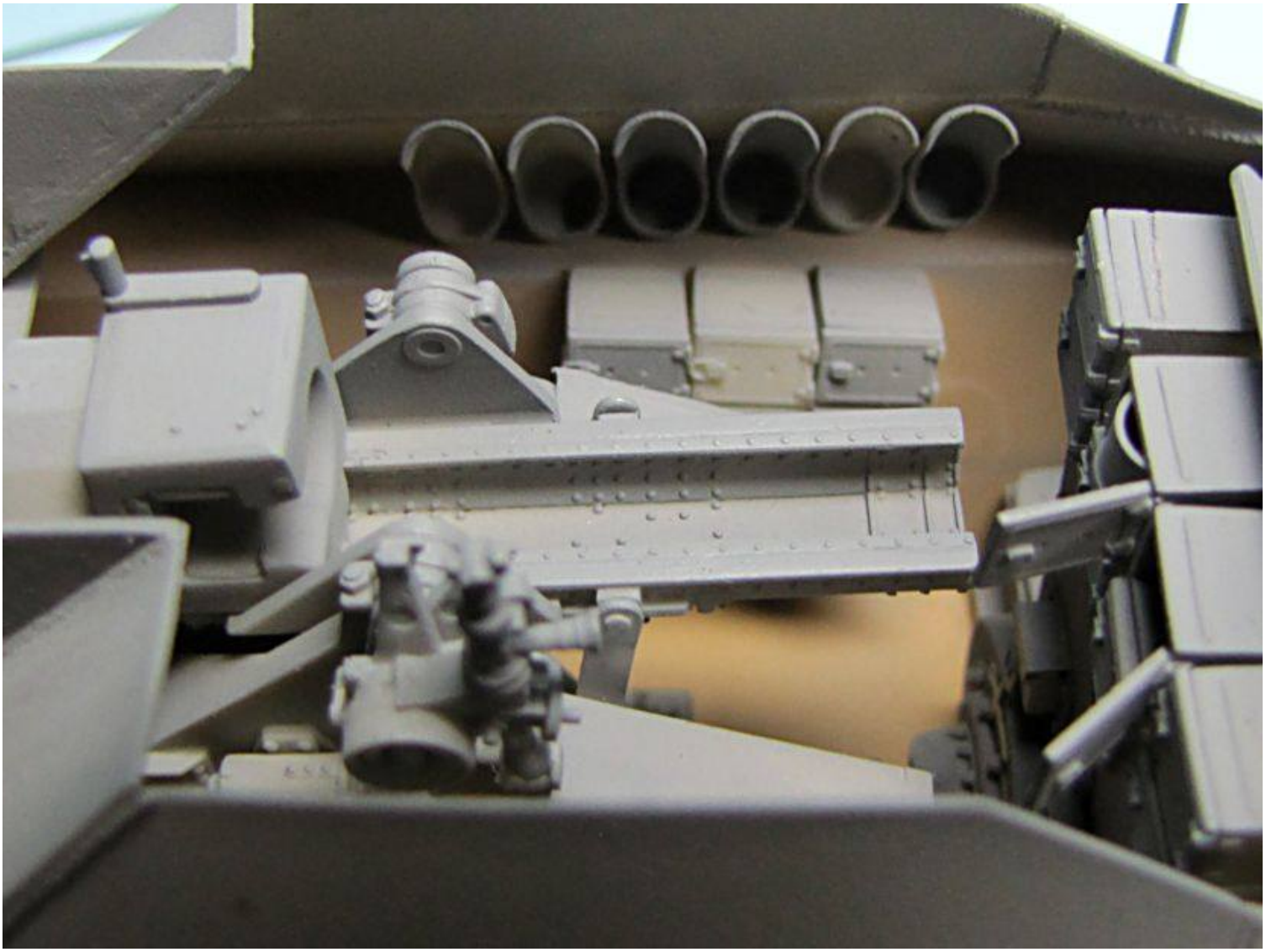


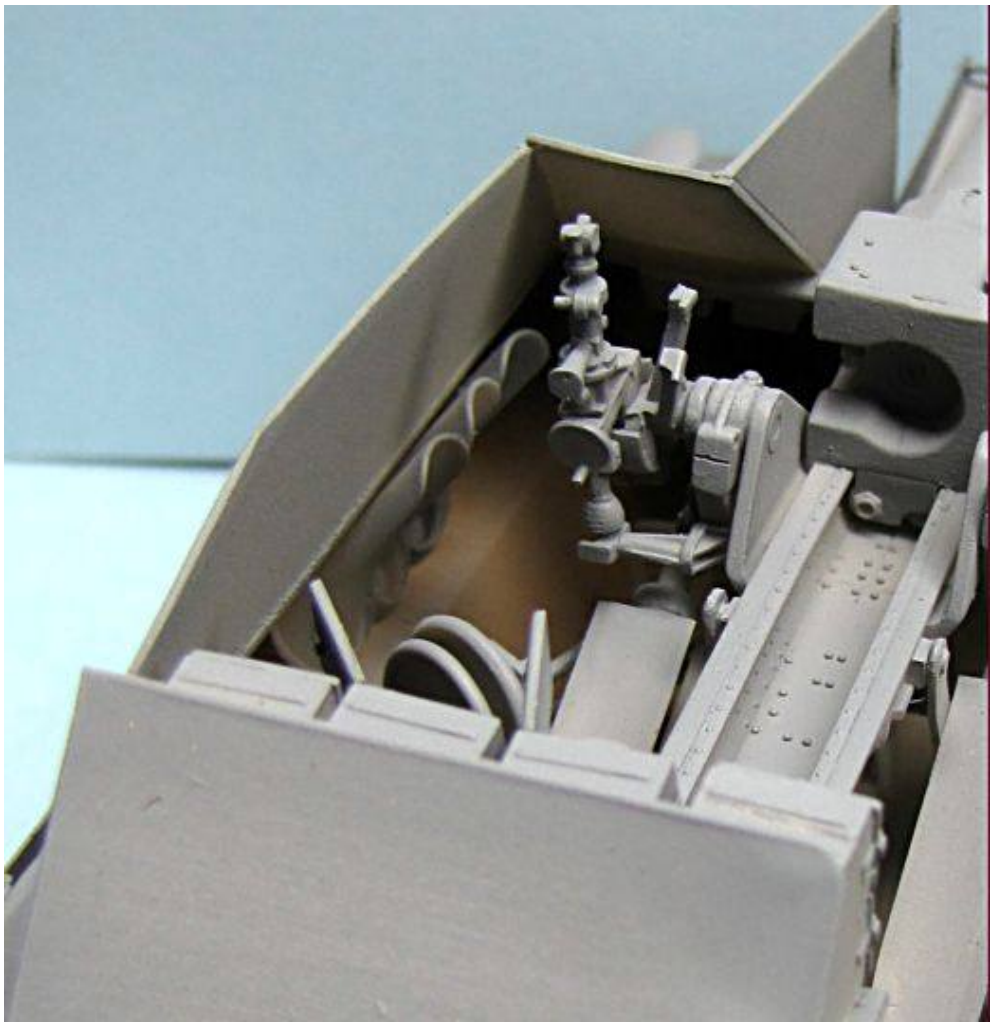
Assemble 6x PE9 on PE8 and 3x PE9 on PE7
6x completed shell mountings assemble on finished PE8, 3x Shell mounting on finished PE7

6 mountings will be glued on the left inner wall, 3 mounting on the right inner wall as shown in images on next page

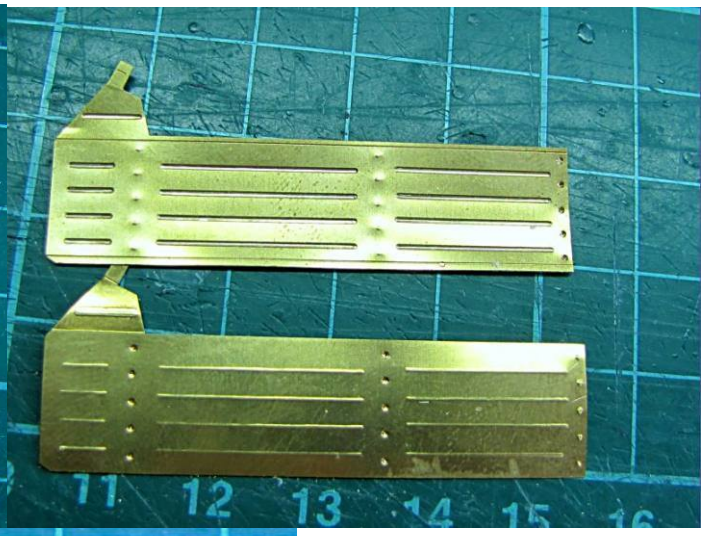


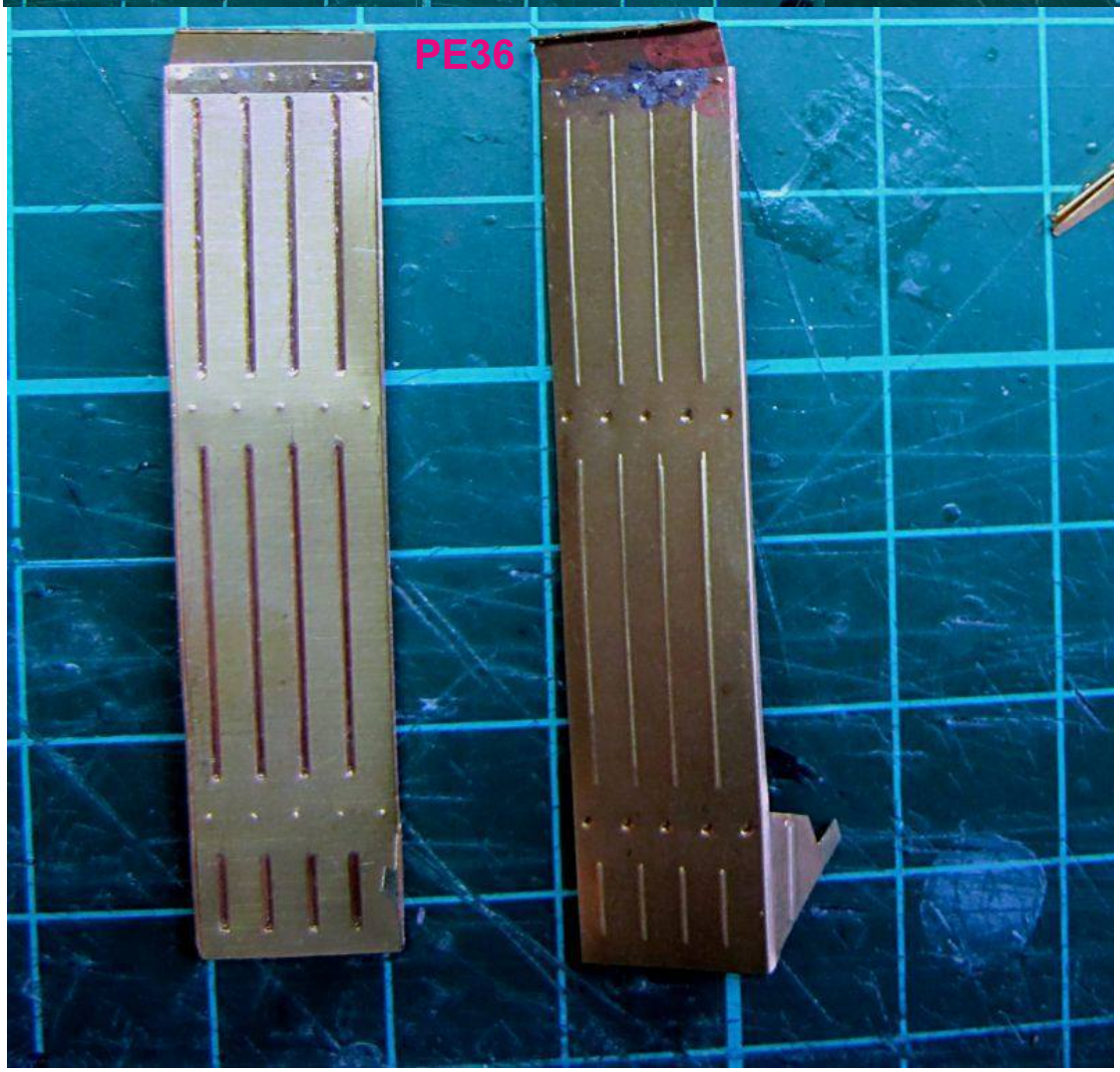




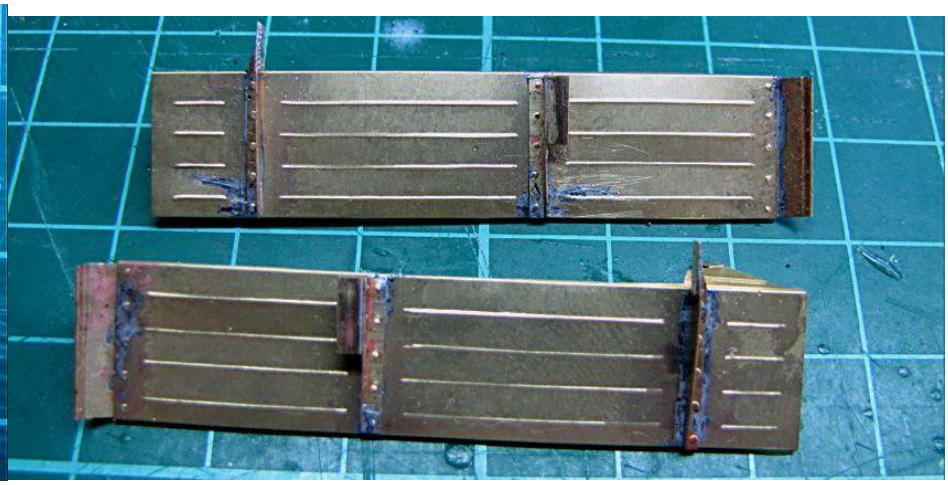


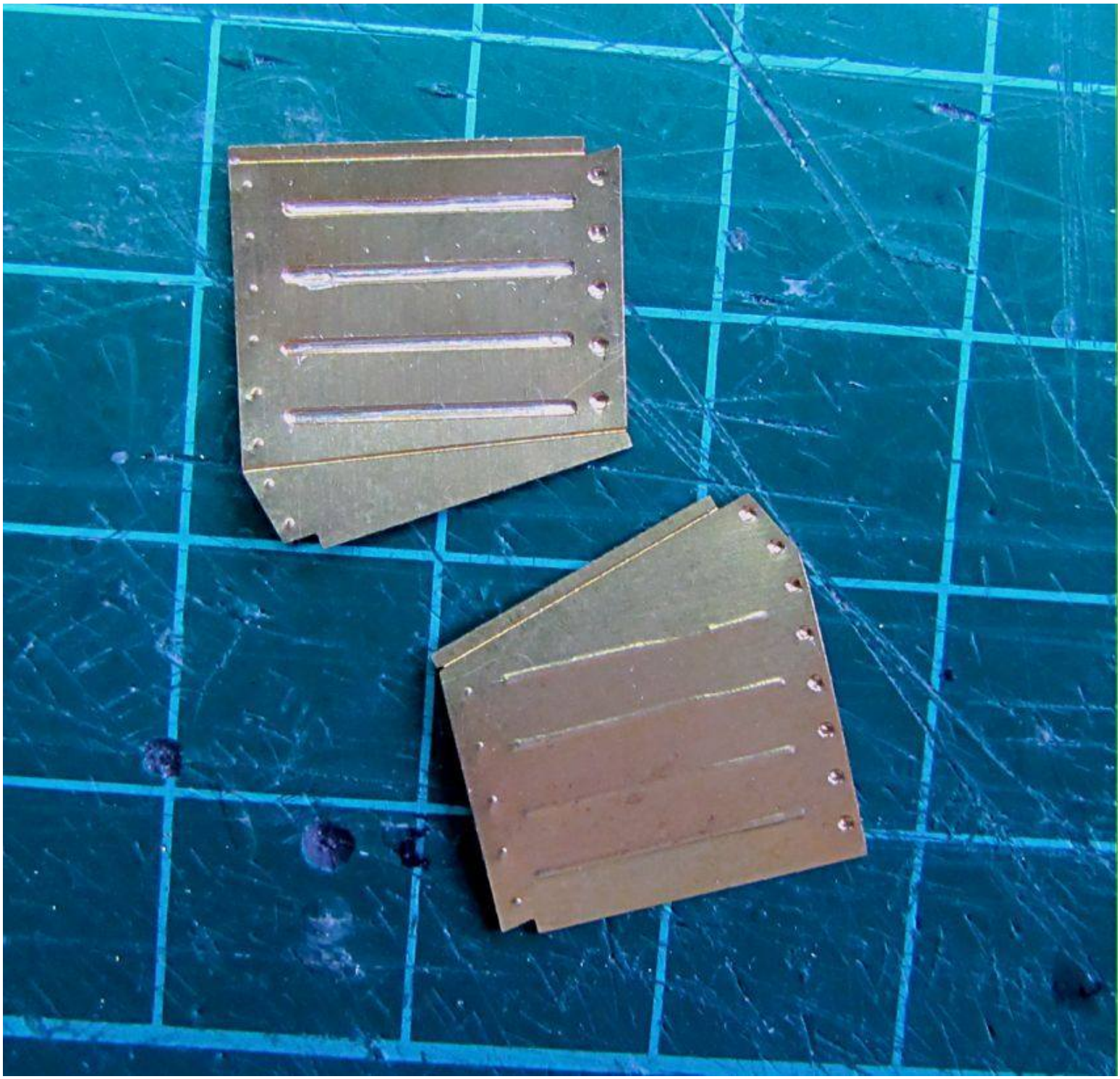
Rivets and lines are always pushed from the etched off side to another, using any suitable tool or simply a ball pen

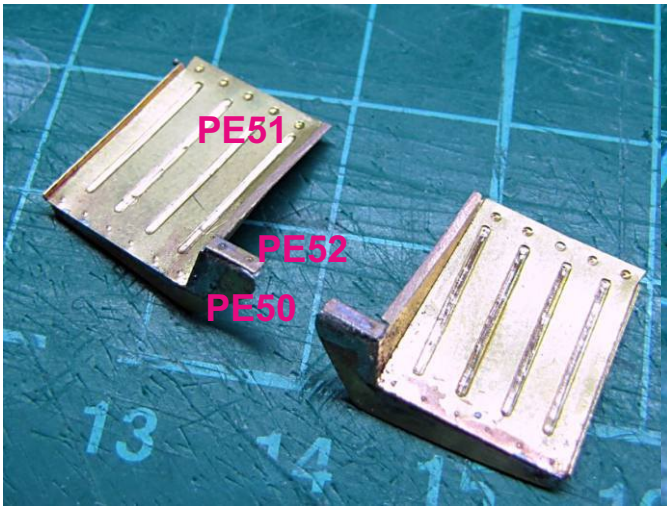


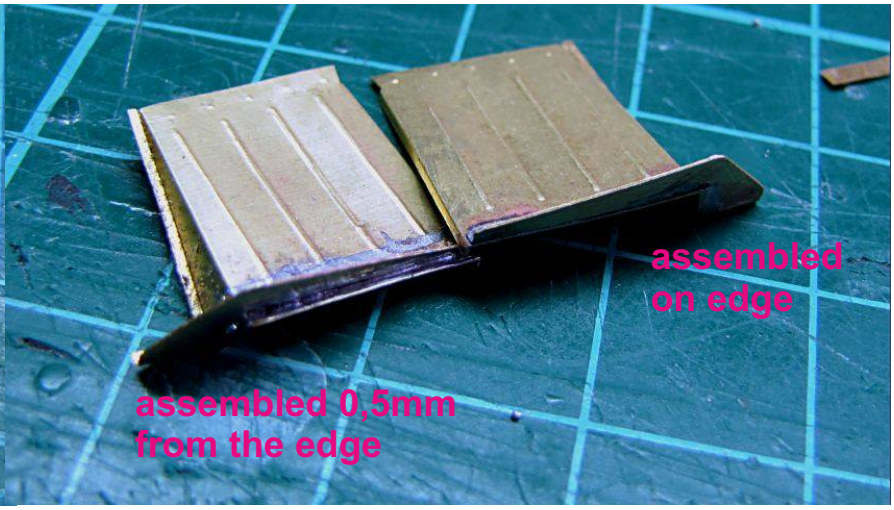



PE37
PE34
PE35
PE38



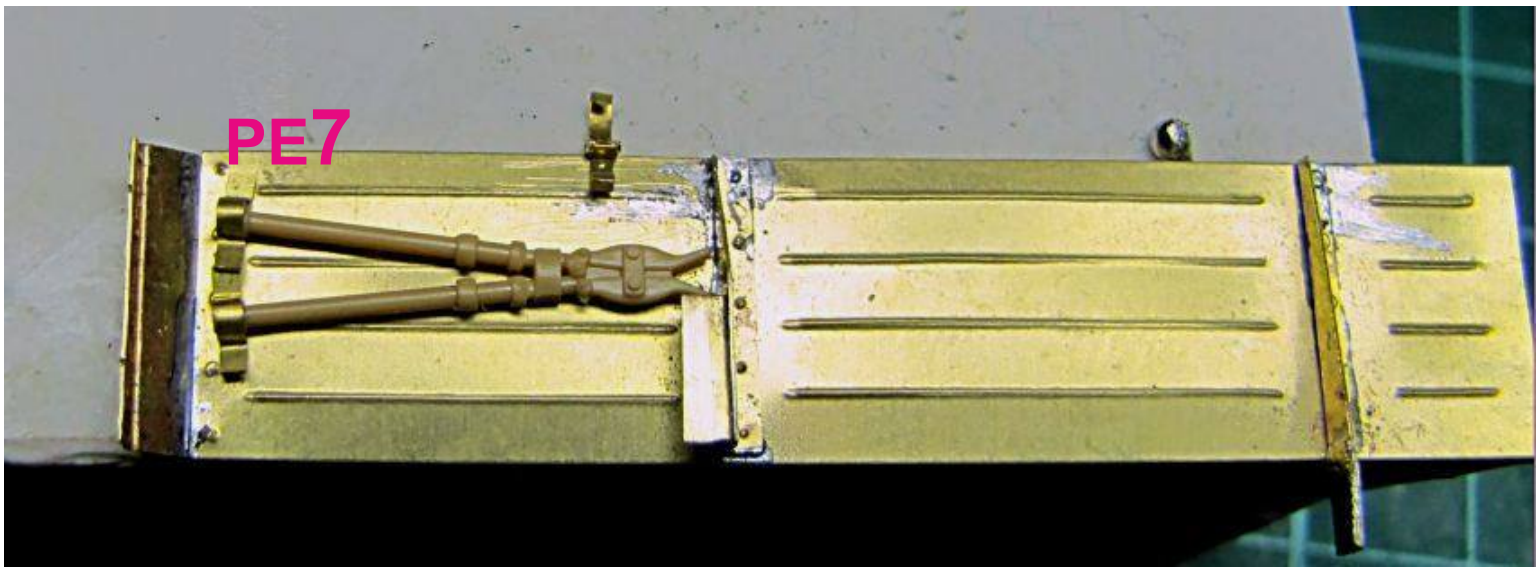




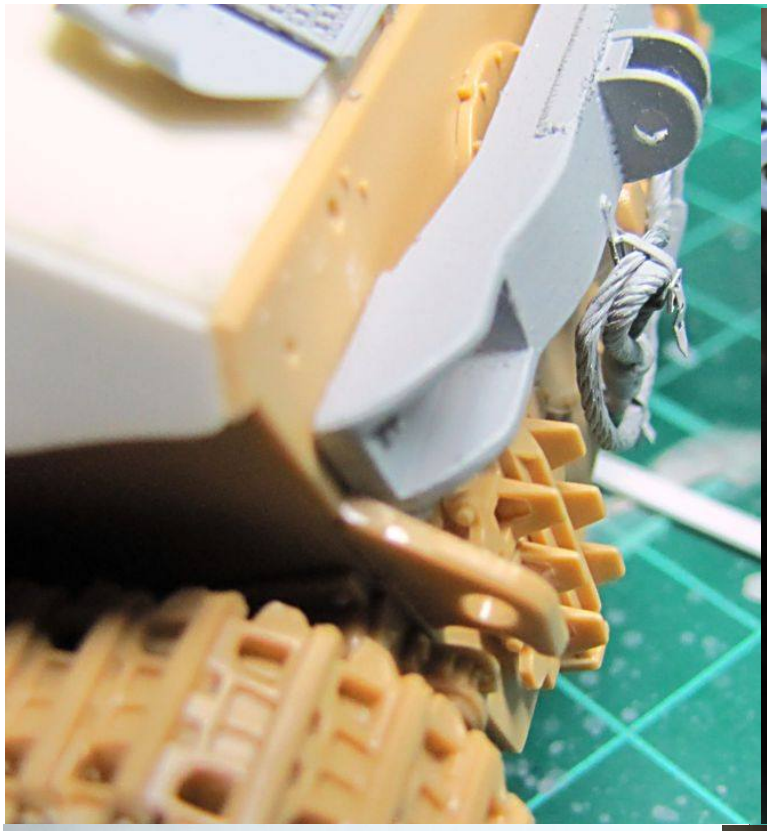


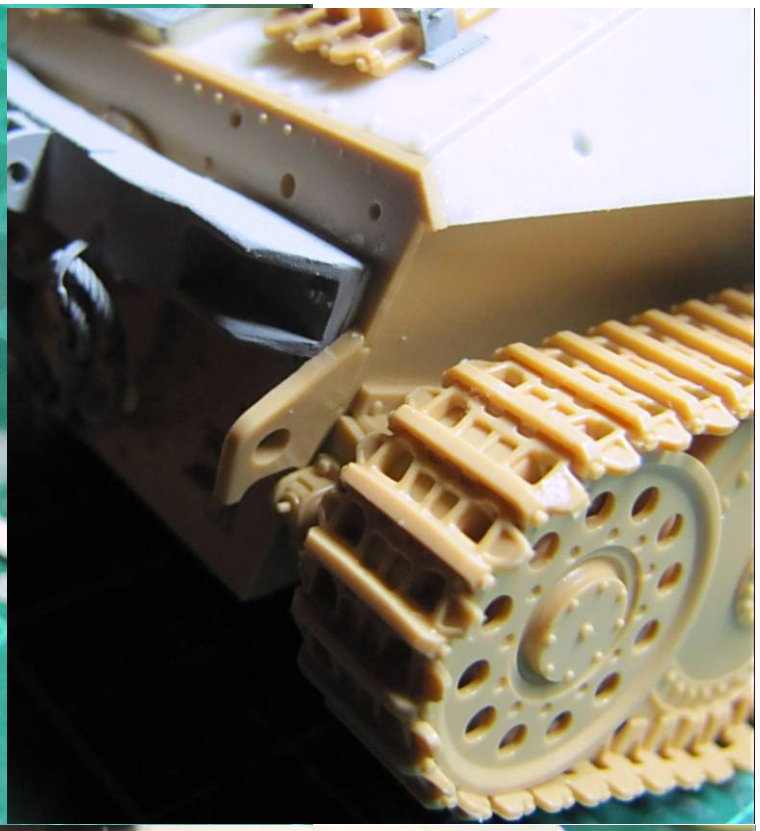
front mudguard - some vehicles had part 50 assembled on the edge, but some of them had it moved slightly to the back

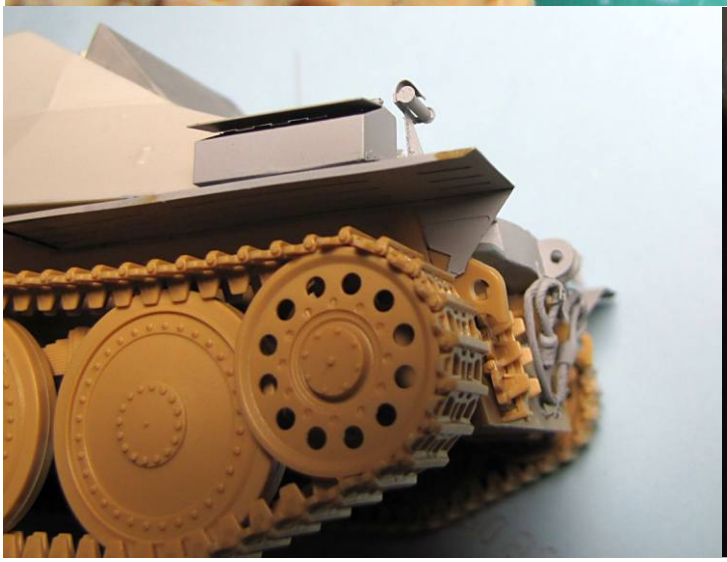

PE9+10+11

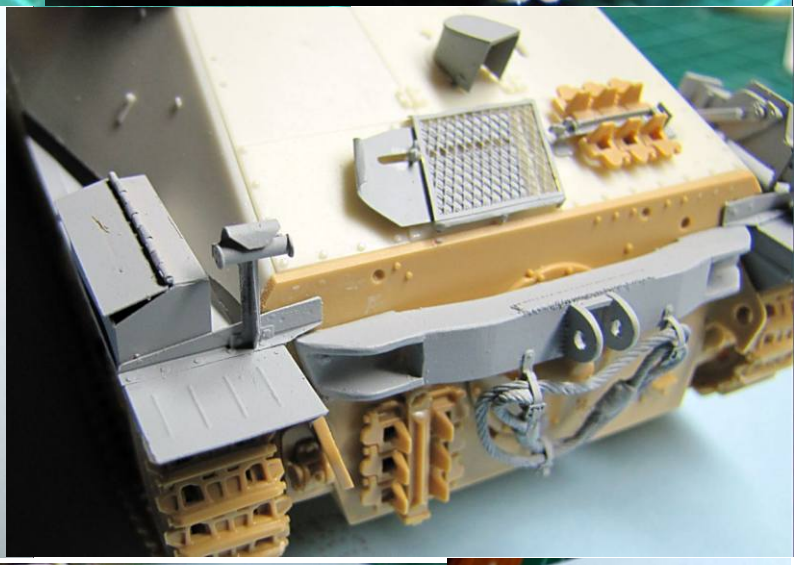

PE7

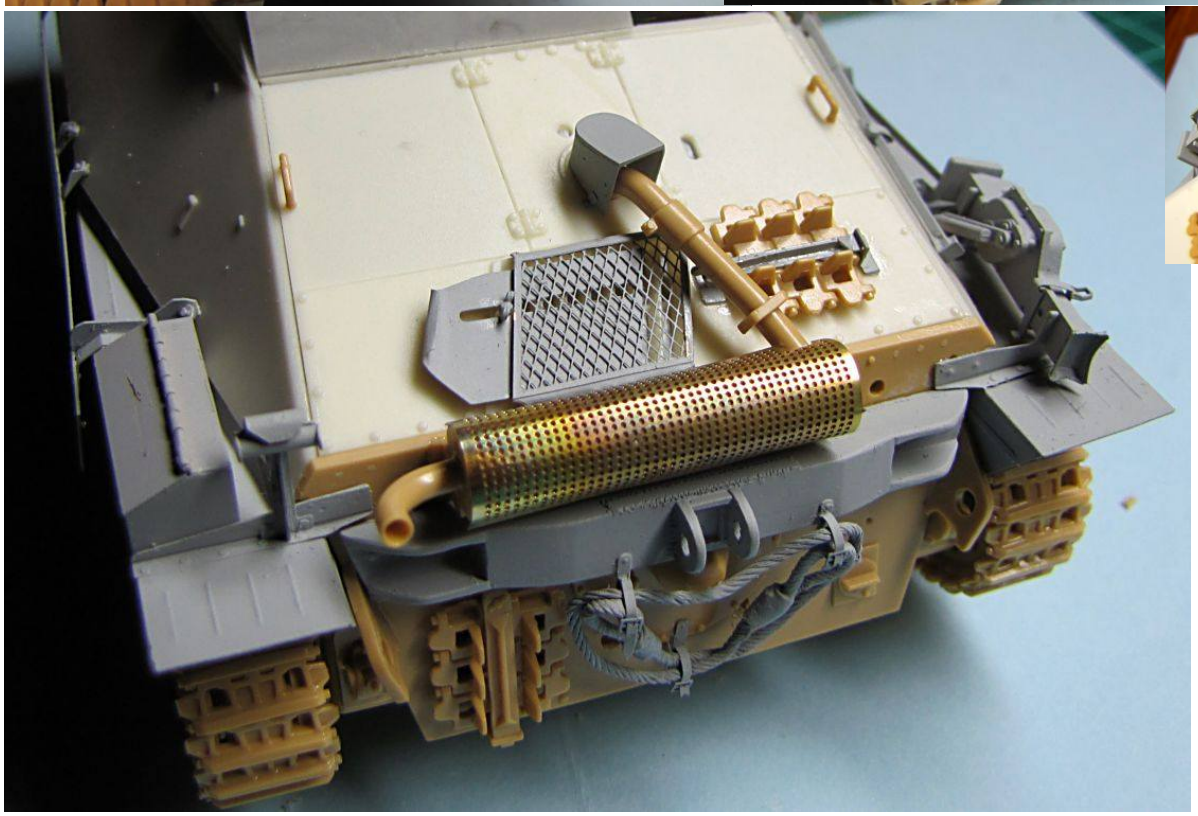

PE5

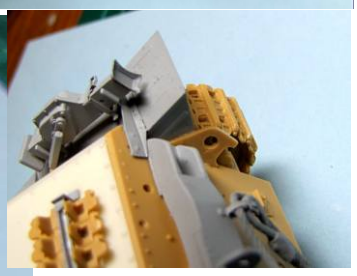


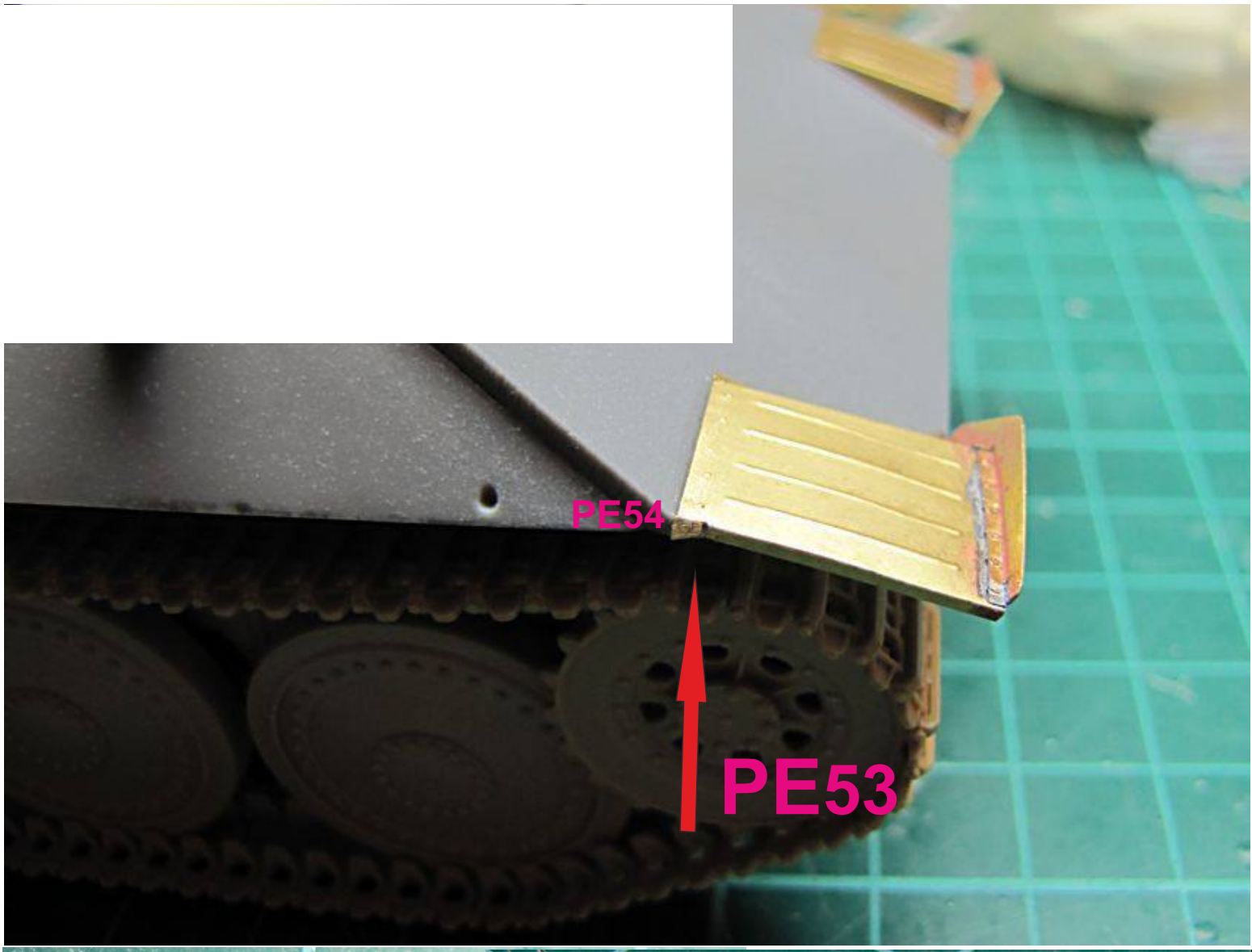




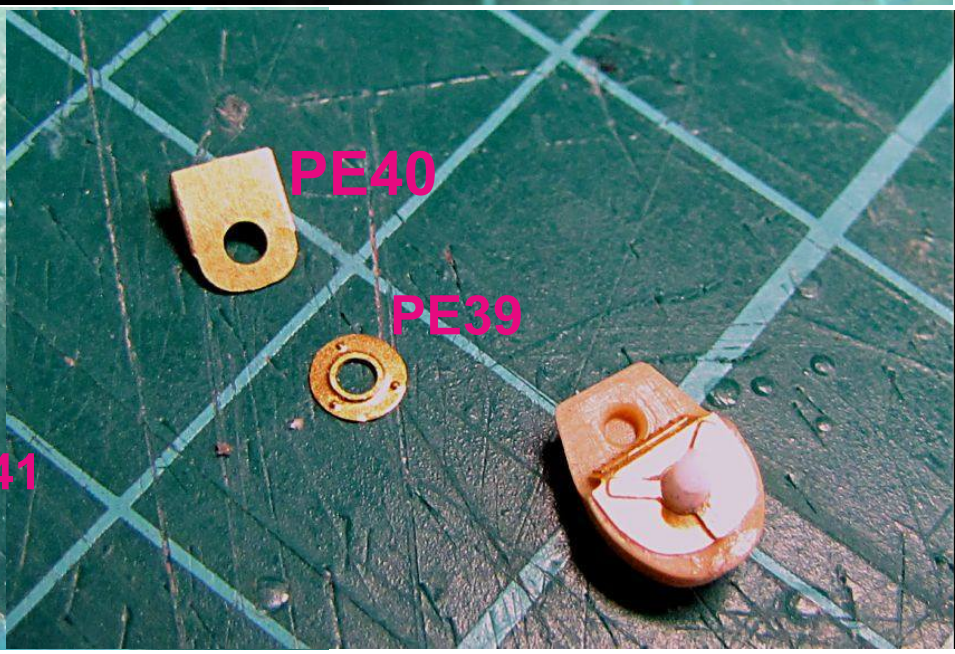


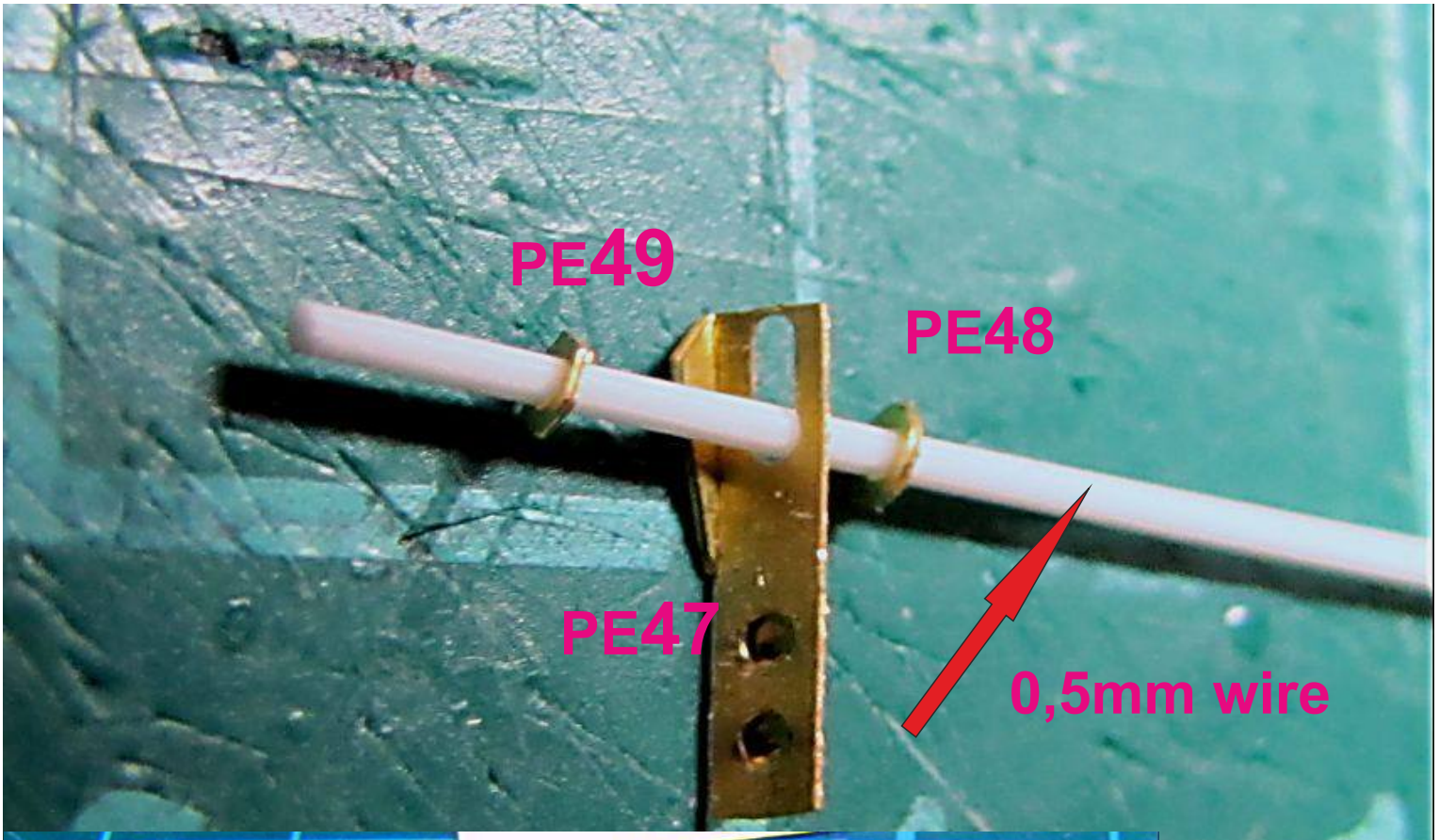


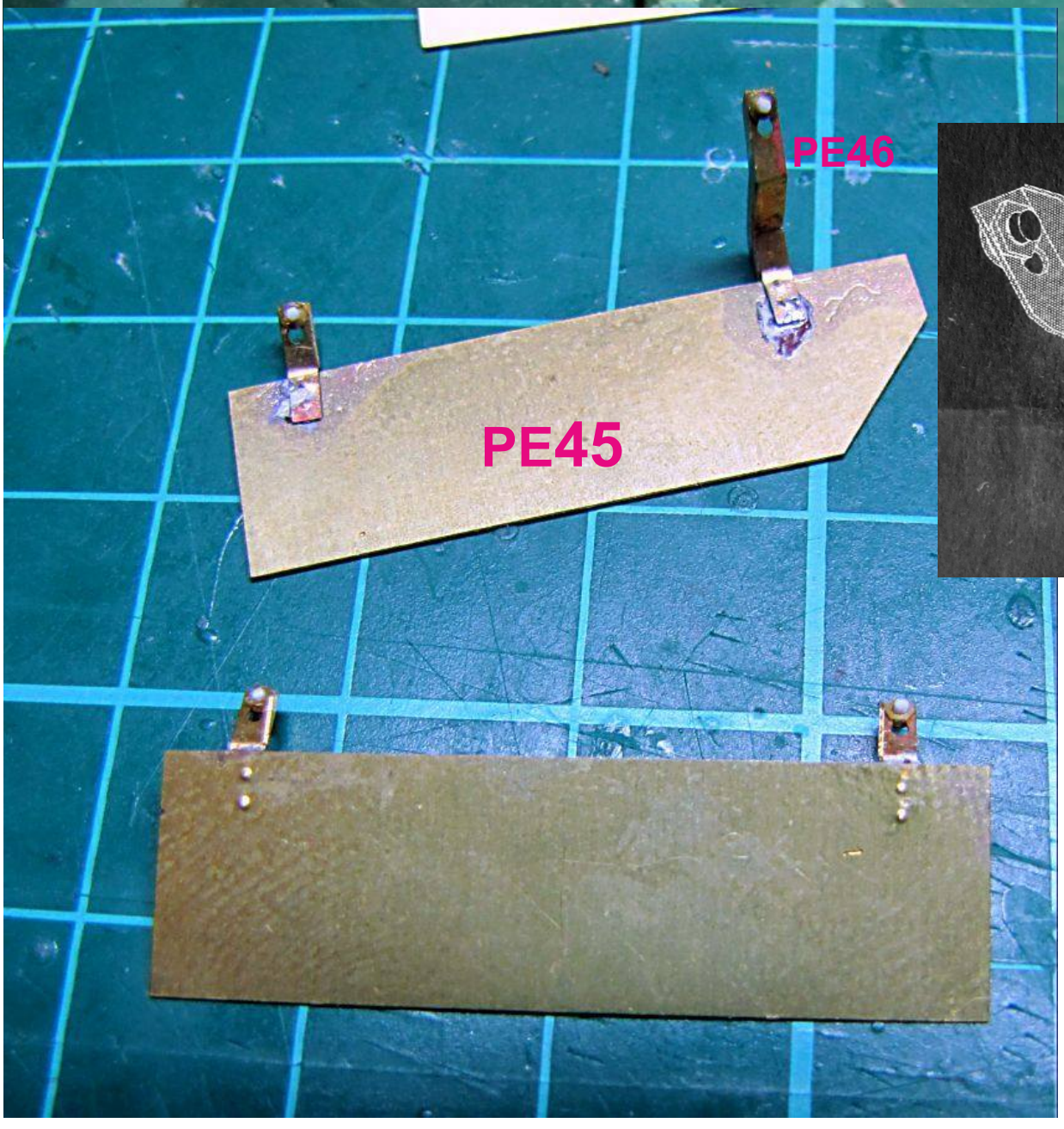


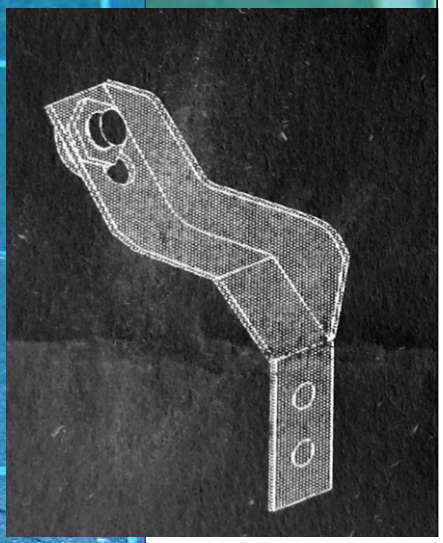

PE54
PE53

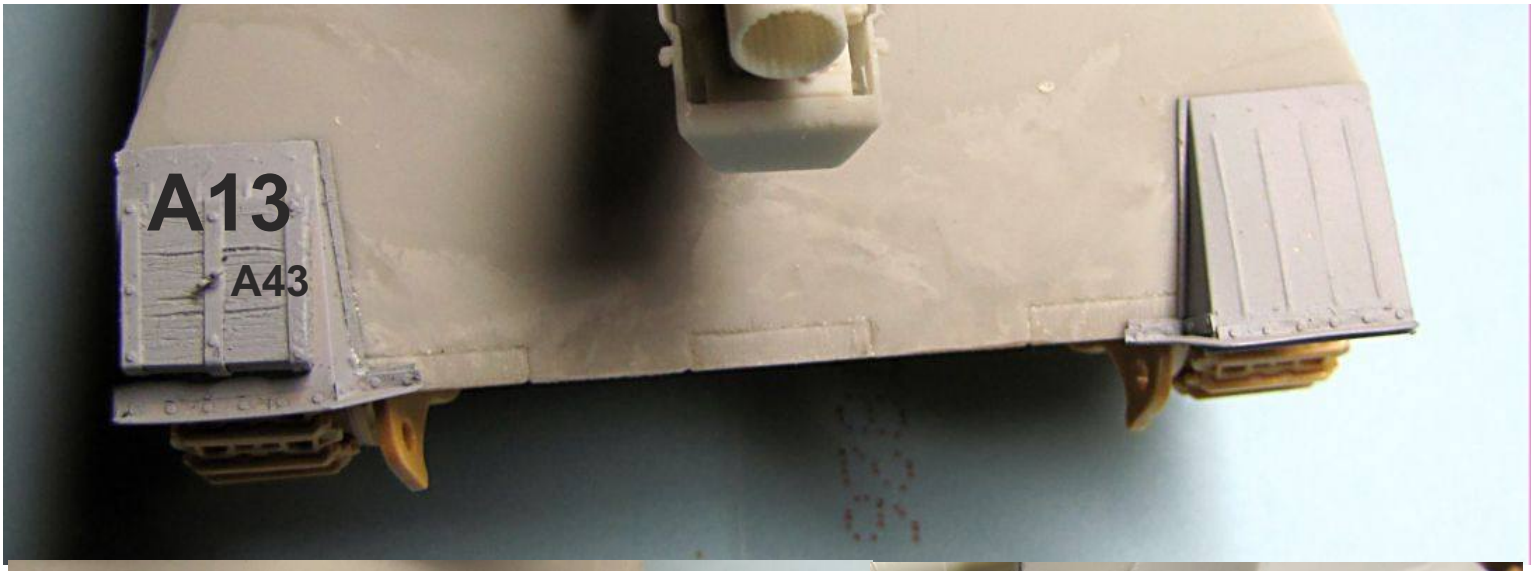

PE41

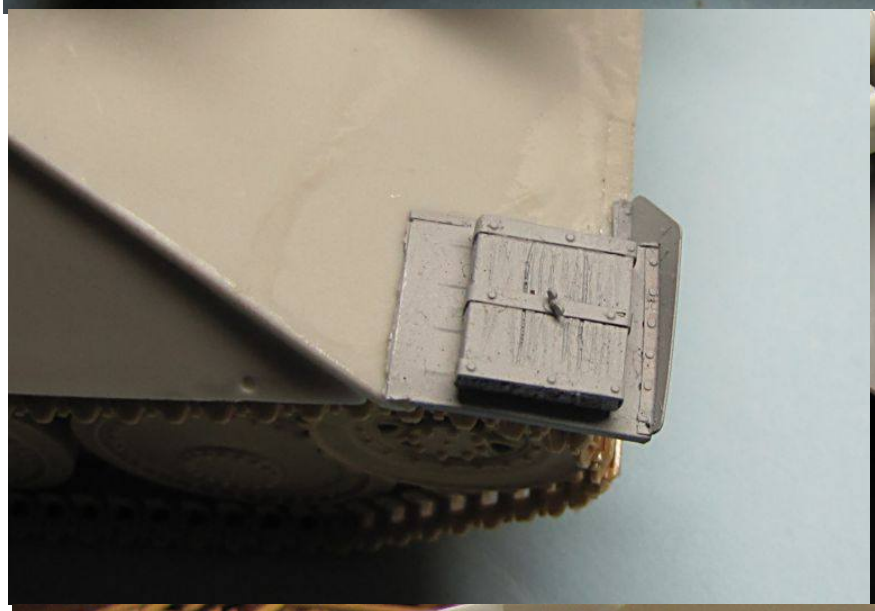

PE40
PE39

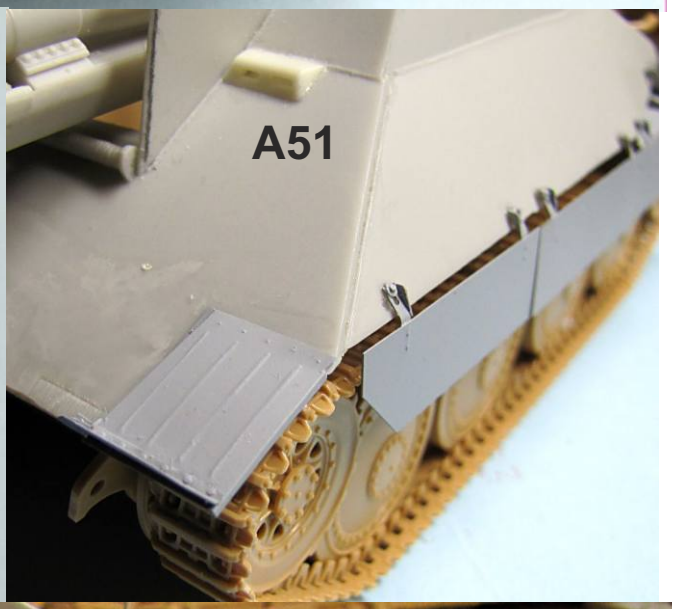

PE49
PE48
PE47
0,5mm wire

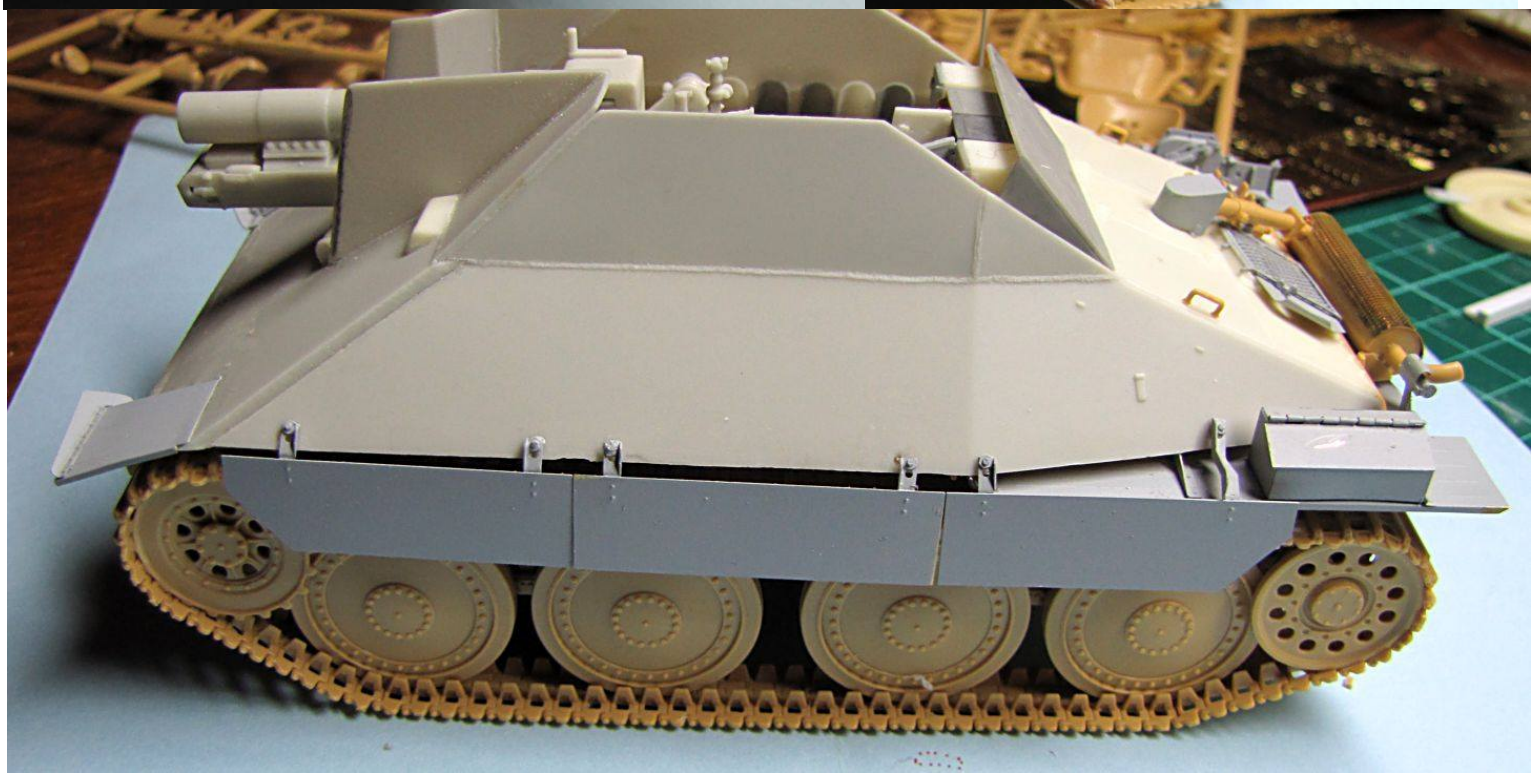

PE46
PE45



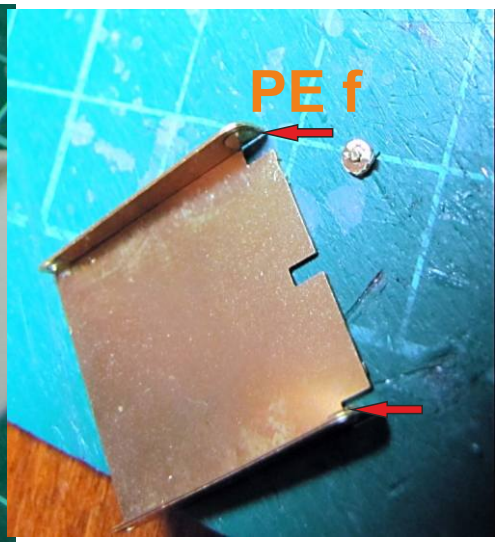

A13
A43

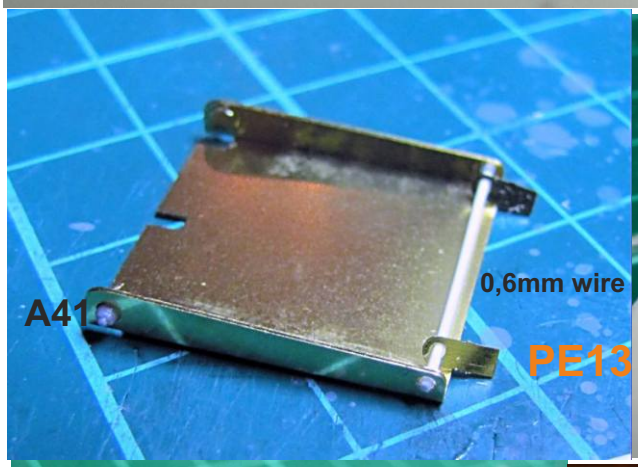


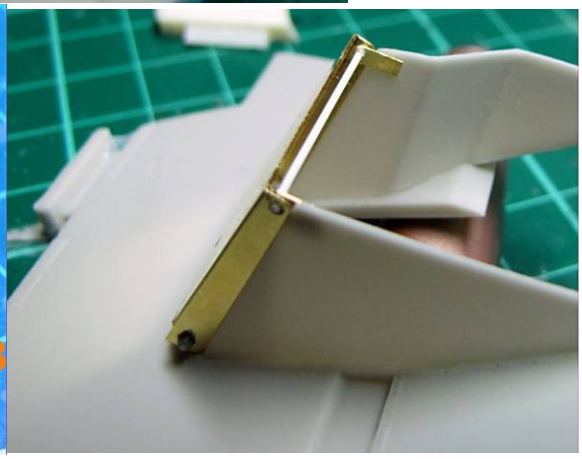

A51

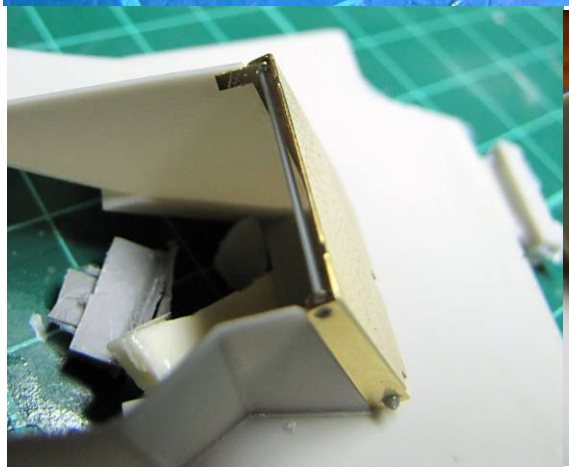


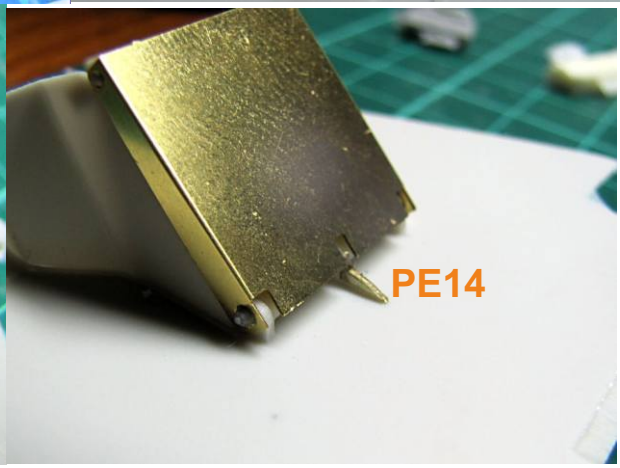
For closed cover (elevated gun) use holders molded on the front plate A2



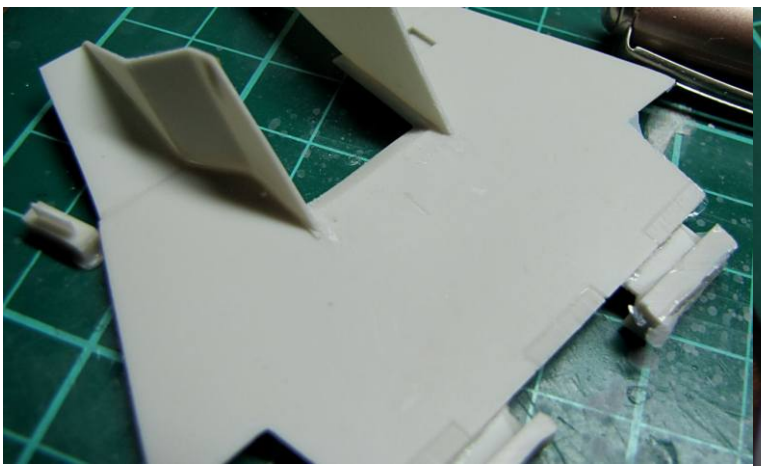


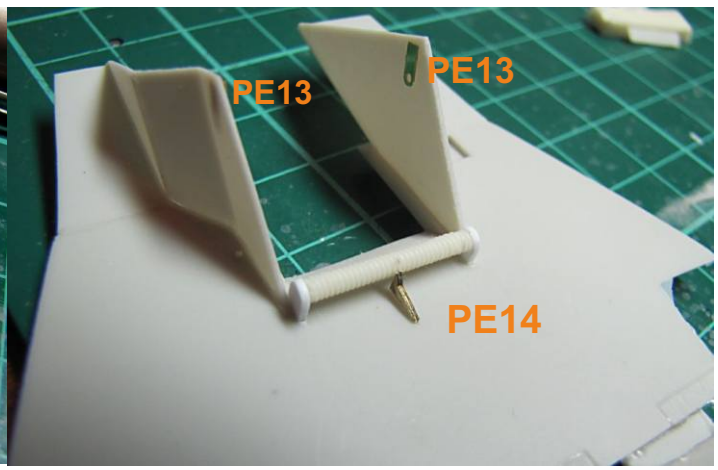


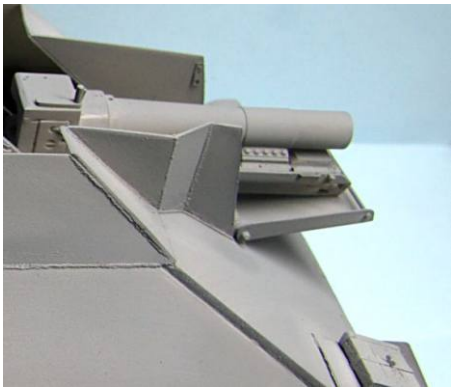




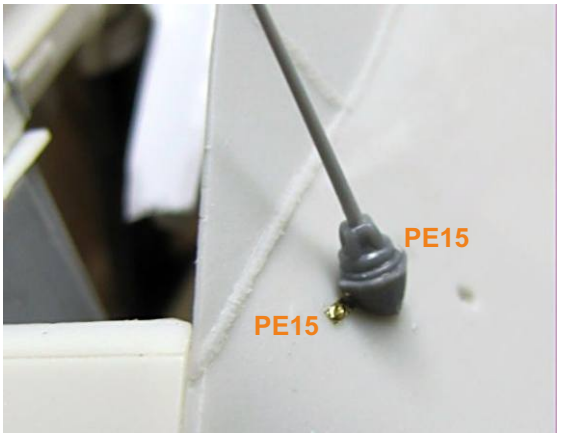
For opened cover remove holders molded on A2 and glue A38 on their place
PE13 are not mounted on the cover, but glued hung on A34 and A35
Complete gun assembly into hull and finally assemble opened cover

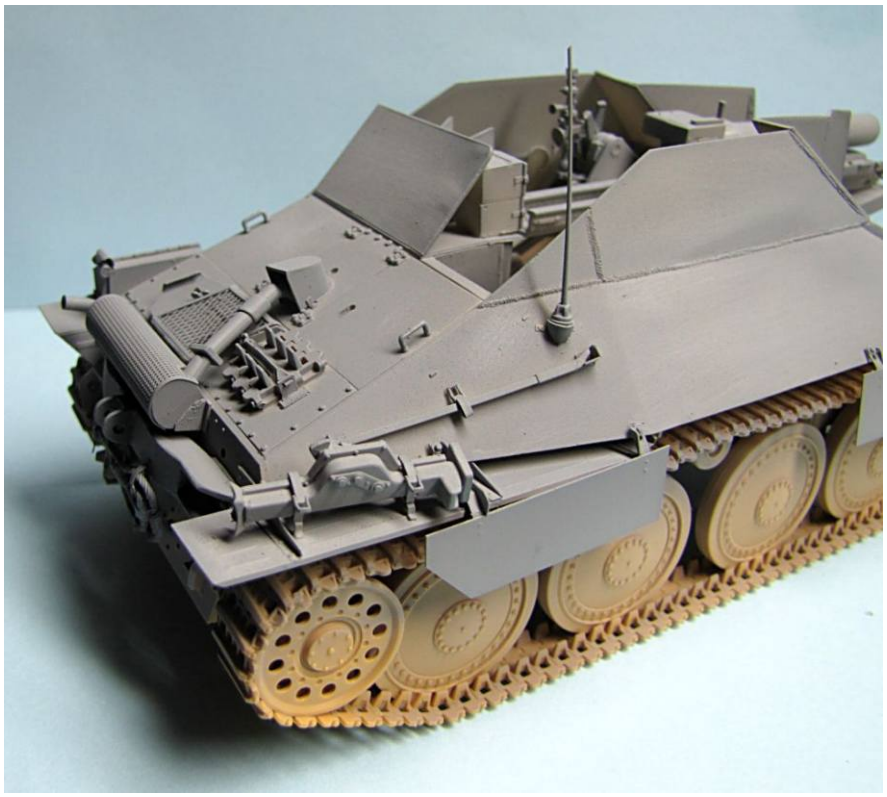




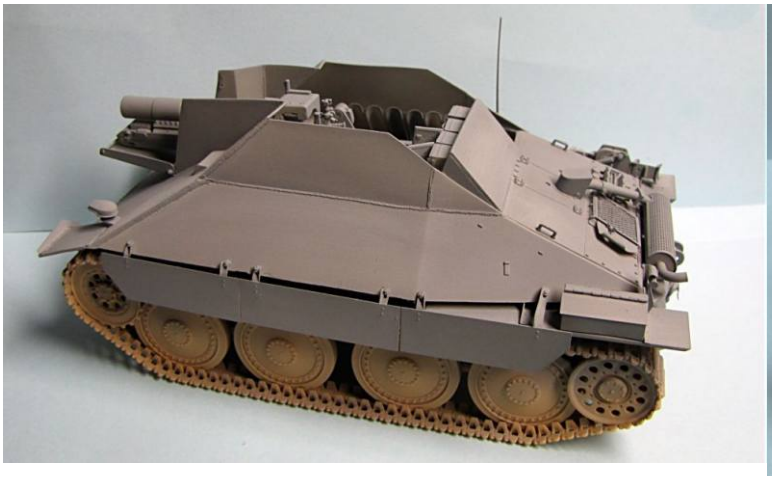


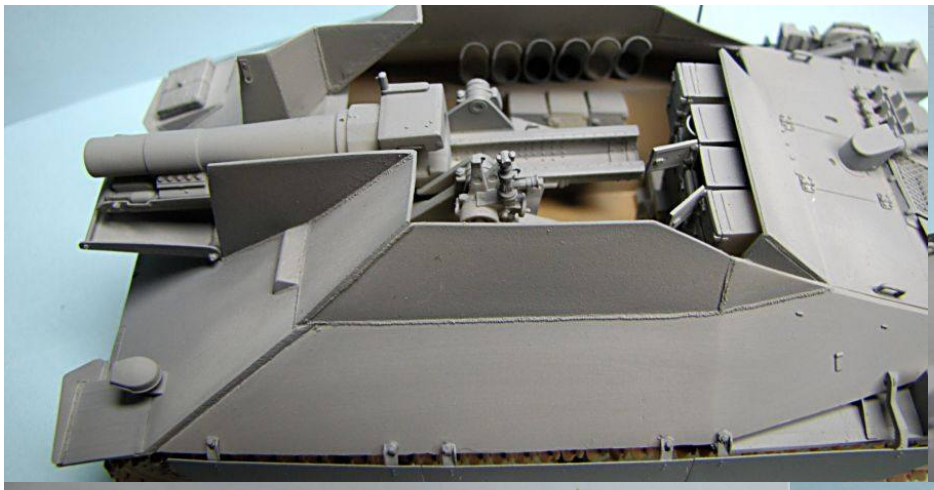
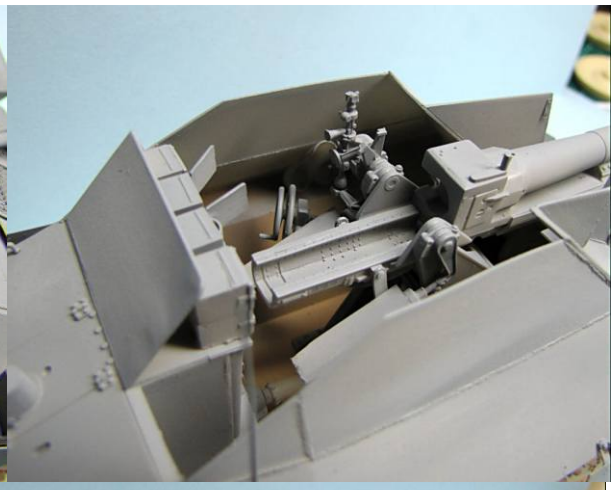
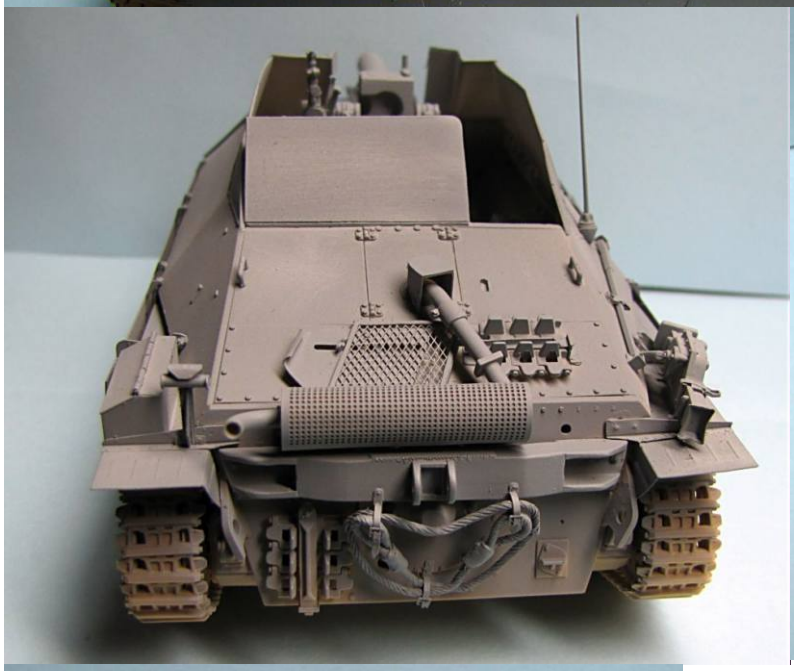
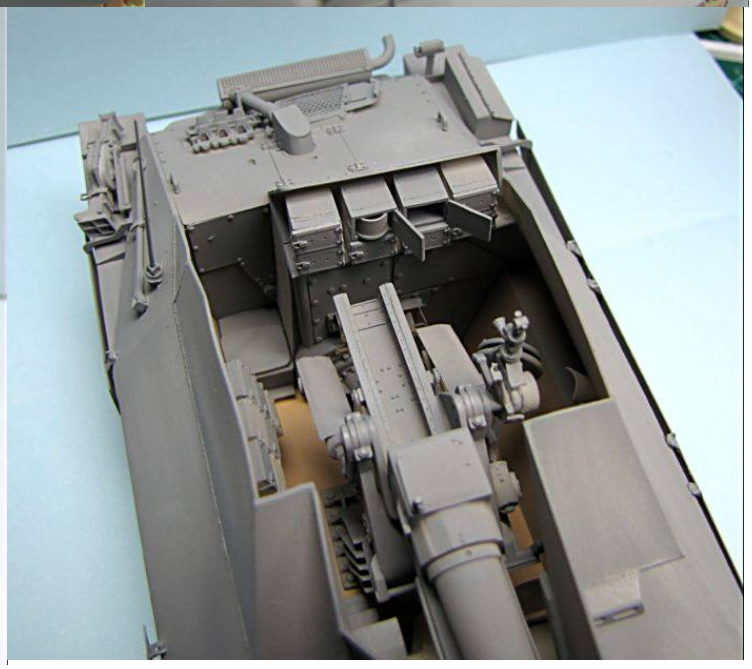
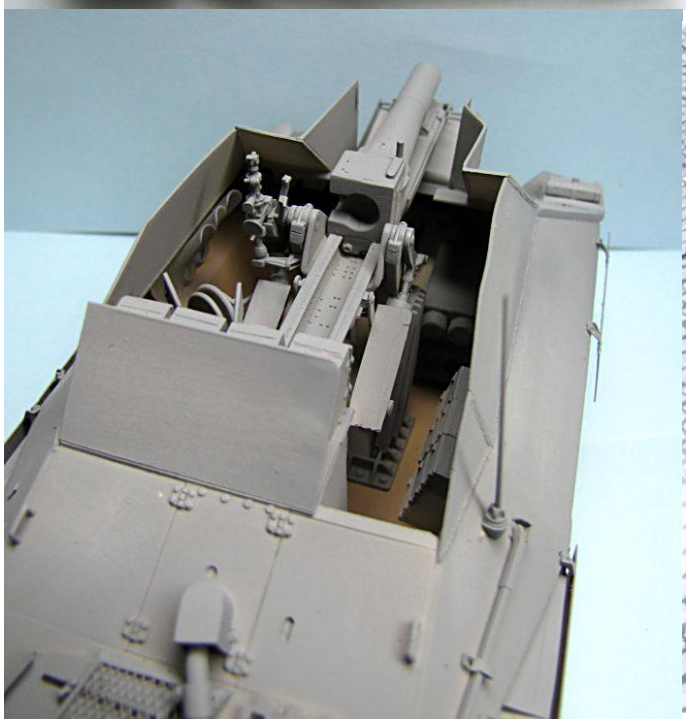
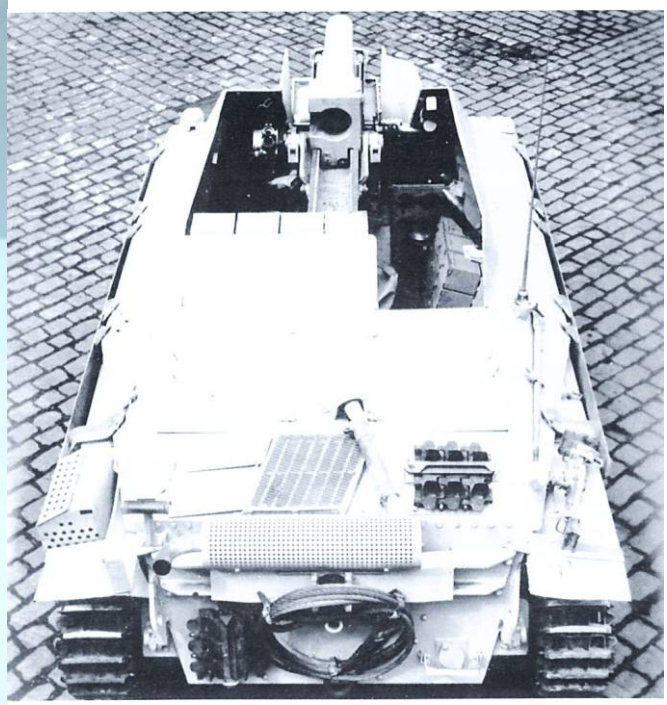
In my test build the gun is not in correct position against the cover, it should go slightly over it - for that reason on page 22 of this assembly guide the hole drilled in A18 was moved 2mm to the back





Antenna base can be used from the kit or resin one provided in our set.
Antenna is made simply of plastic sprue - heat it up carefully with lighter and when plastic is soft, pull it to create nice thin antenna



sIG 33/2 photographed at the BMM factory yard in 1944 was pained dark yellow overall, other references on painting are unknown