

Diamond T 969 was a vehicle recovery truck based on a 4 ton 6x6 chassis, powered with a Hercules RXC six-cylinder gasoline engine and equipped with a five-speed overdrive transmission and a direct and under drive transfer, manufactured from roughly 1940 until 1945 by the Diamond T Motor Car Company in Chicago.

The wrecker carried a heavy duty set of Holmes W45 Twin Boom Wrecker gear, designed in the inter-war period for civilian breakdown trucks. Either boom could operate as a normal crane but together the booms provided a greater lifting capacity at the rear of the vehicle. The wrecker was fitted with stabiliser legs on each side to keep the vehicle upright when the booms were used for side lift. This also saved the necessity of using the opposite boom as an anchor. The lifting winches were power operated, rated at 10 000 lbs. Linked together, a lift of 10 US tons was possible, but to suspend a towed load of this weight would exceed the truck's chassis loading. These trucks carried a front mounted Gar Wood winch rated at 15 000 lbs.

Wreckers were quipped with De Vilbiss or Kellogg compressors.

More than 6 000 969 and 969A wreckers were produced, fitted with earlier closed or later open cab.

These vehicles were also supplied to the Allied countries through the Lend-Lease Act, and after the WWII numbers of them were still in use in various countries for many years

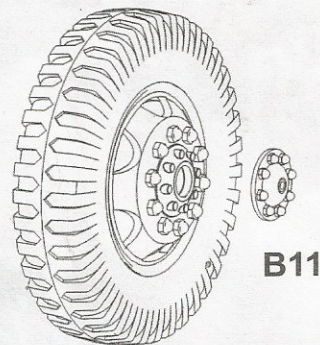
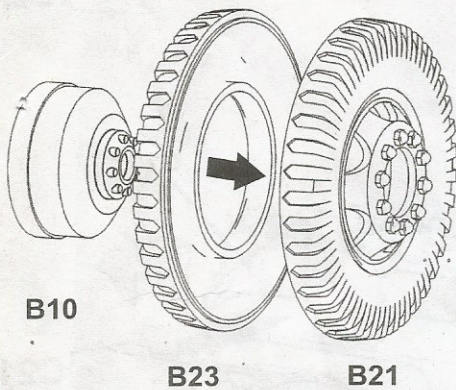
Go through assembly guide before you start your work. Some gates are larger, because we don't want any ejector marks on parts, and also very thin true-to scale parts require larger gates to avoid filling issues, you need to use a little razor blade and sharp scalpel to remove these parts carefully.

Images in rows one by one show usually one small assembly step

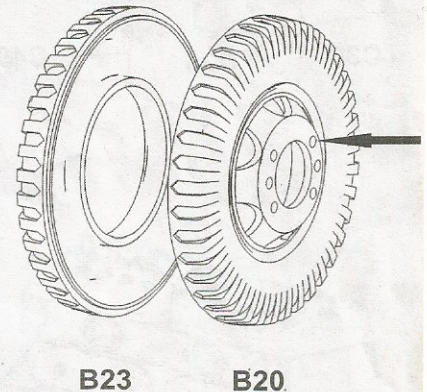
Heat up PE parts with lighter before use, brass will soften and become easy to bend and work with Tamiya Super Thin Glue recommended for plastic parts, let the glue work for a few seconds, then push parts together, melted plastic will fill the gaps between parts. You can also melt sprue frame and use it as an amazing filler for small works, or use this glue to wash out tiny seam lines on little parts or make texture on some parts etc.

wheels

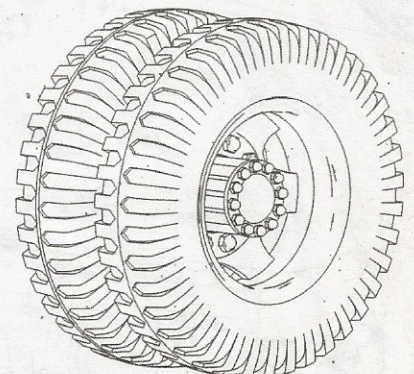
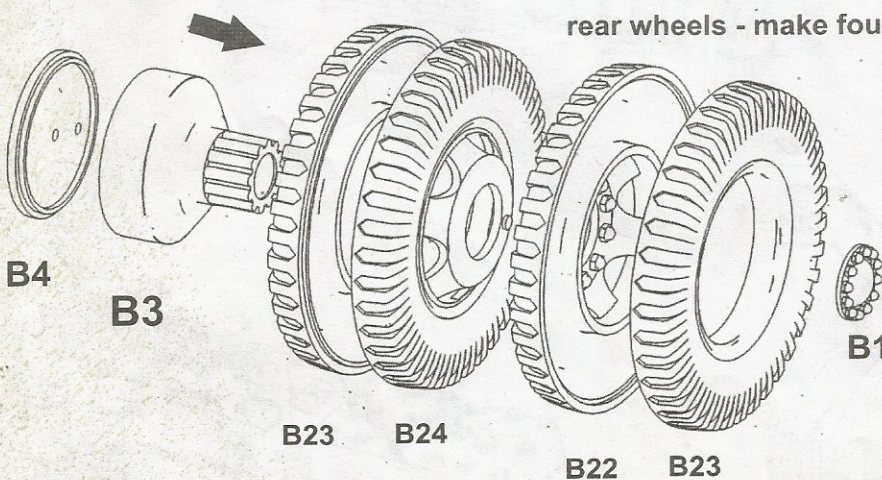
front wheel- make two



spare wheel
drill holes marked at
the back

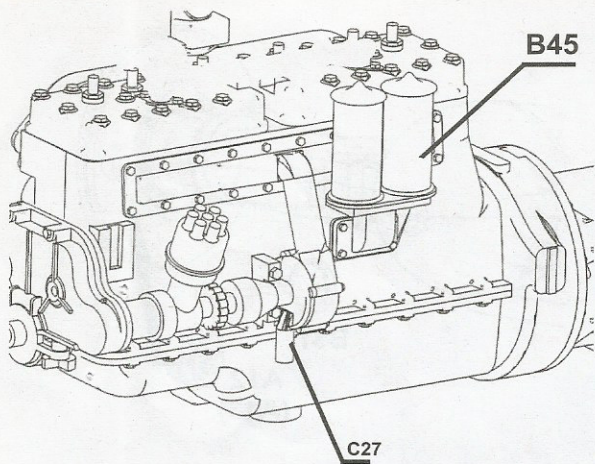


rear wheels - make four sets

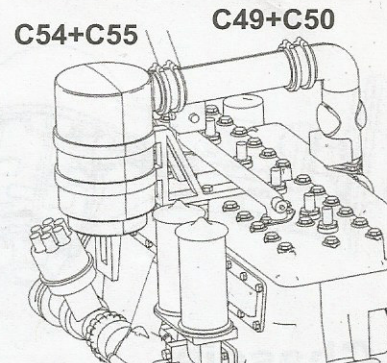
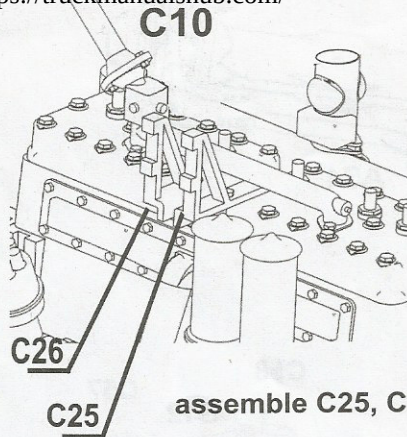


<https://truckmanualshub.com/>

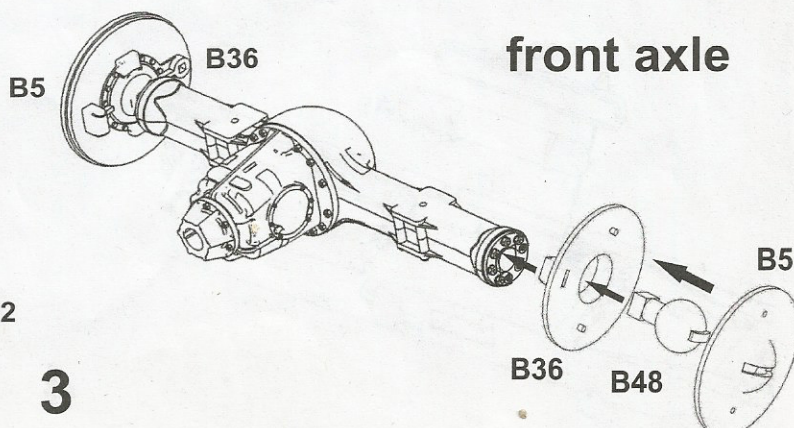
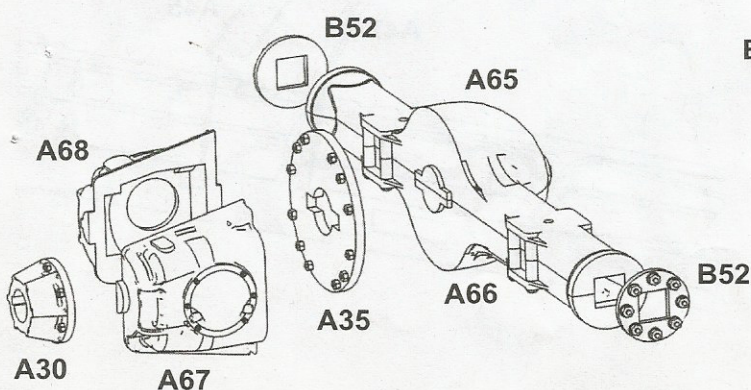
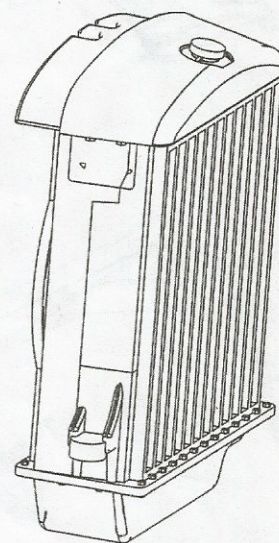
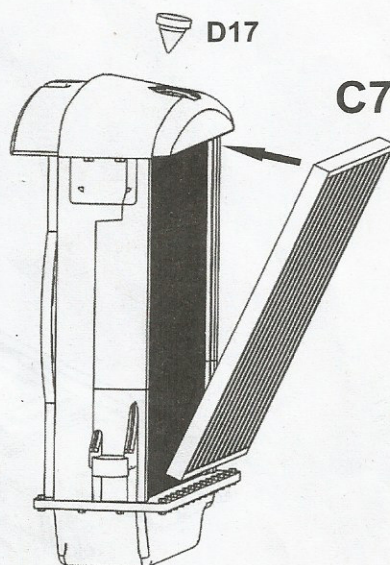
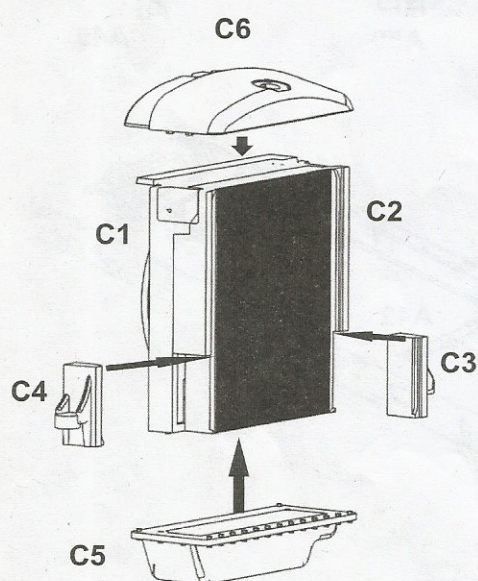
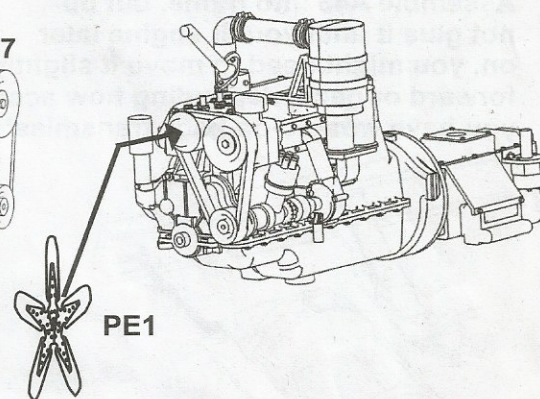
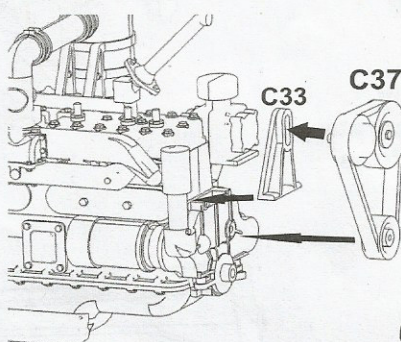
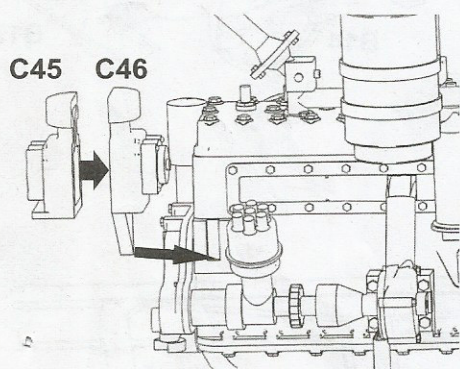




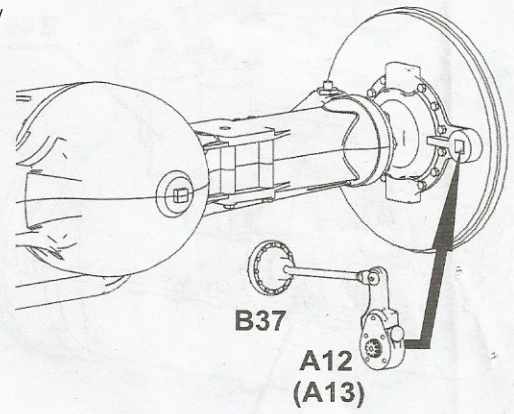
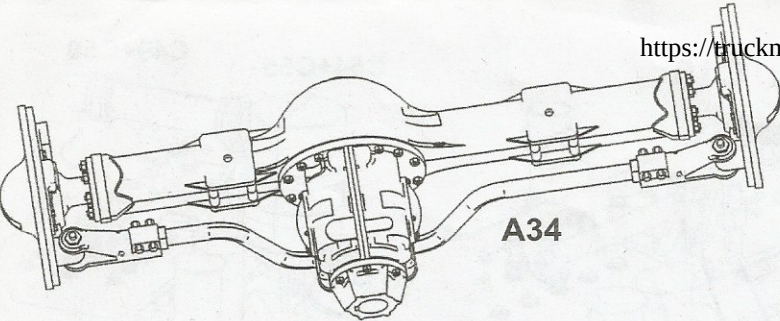
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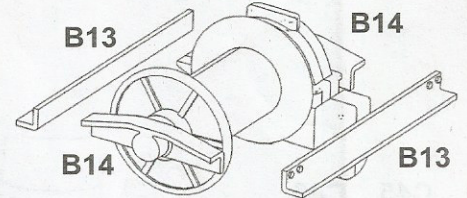
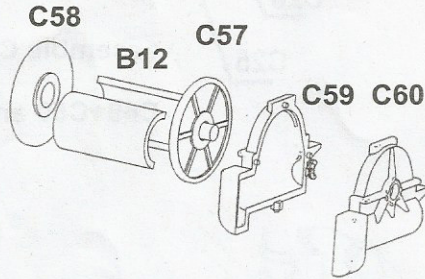
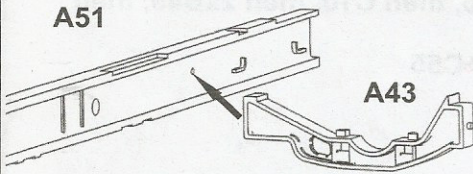
assemble C25, C26, then C10, then 2xB45, then C49+C50 and C54+C55



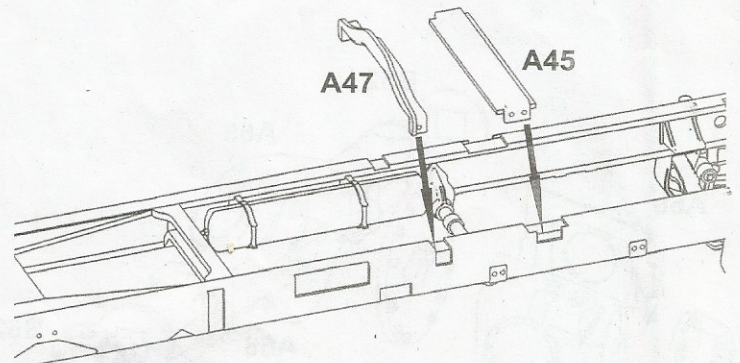
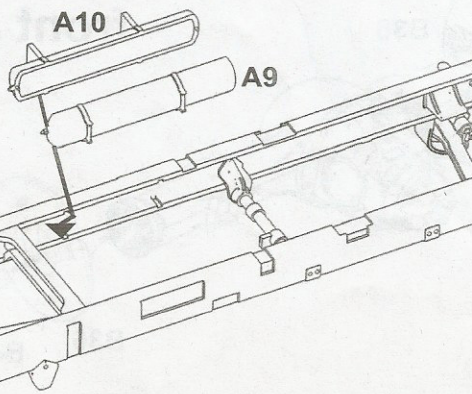
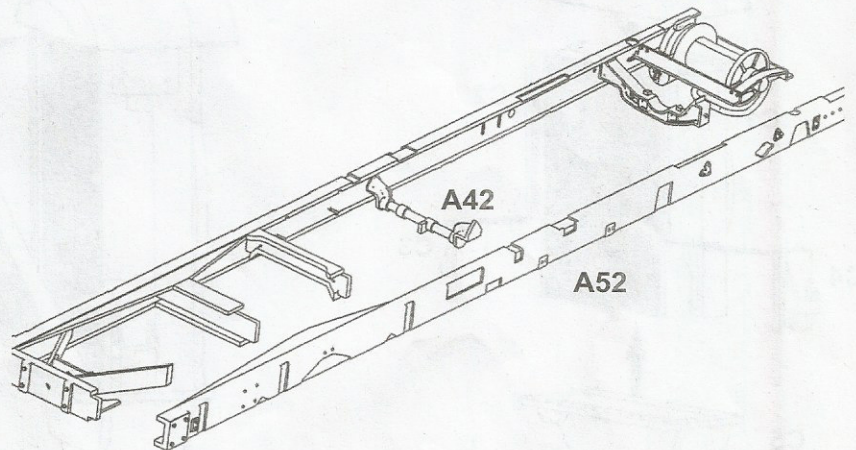
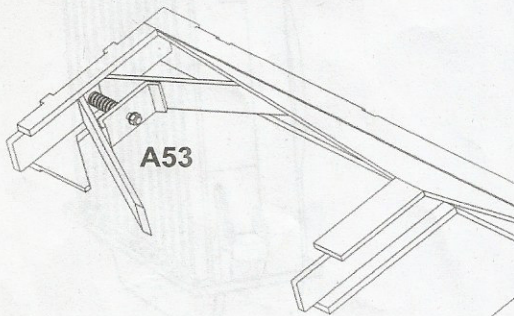
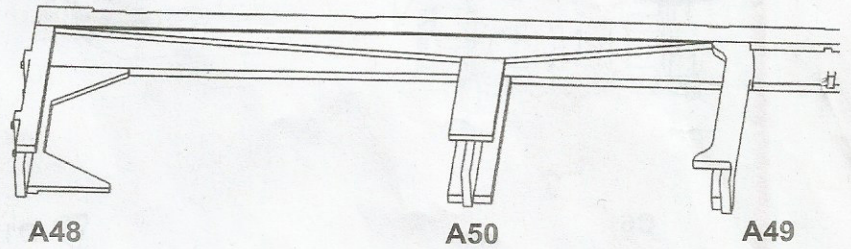
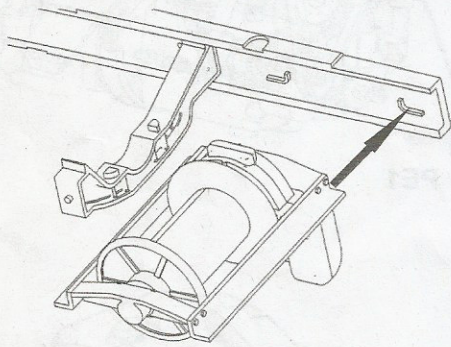
front axle

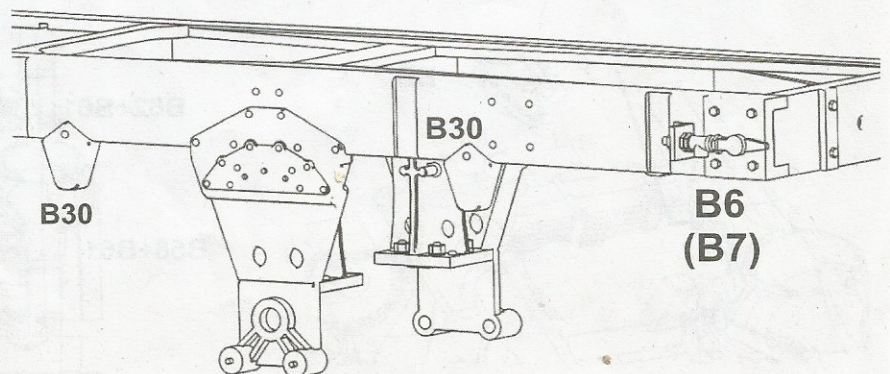
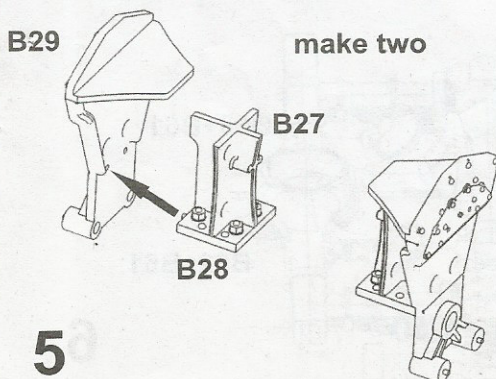
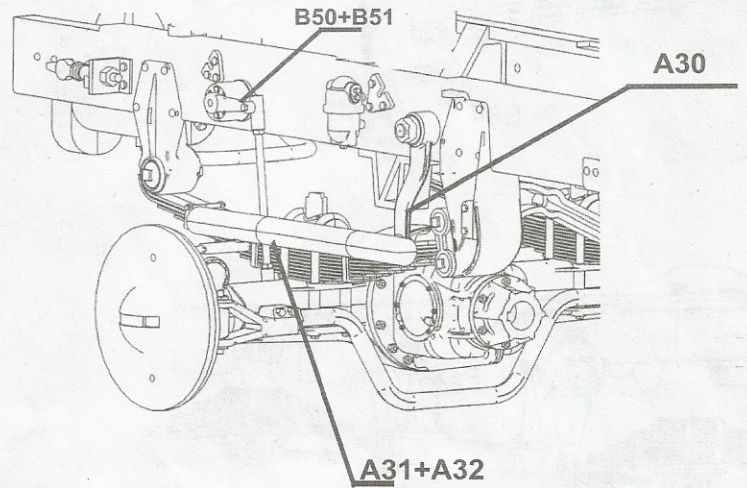
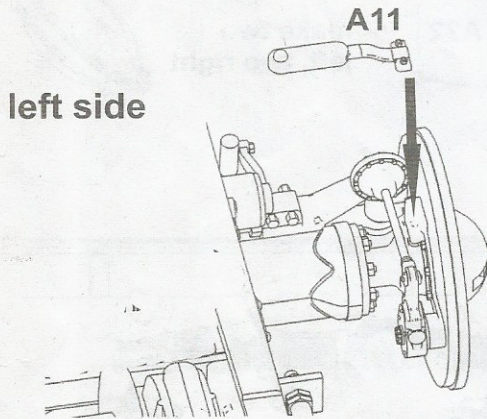
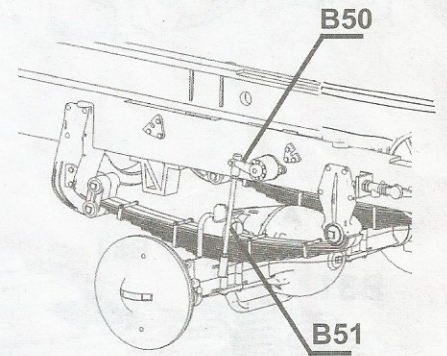
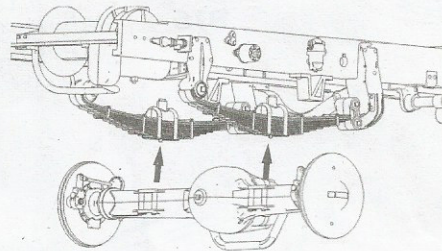
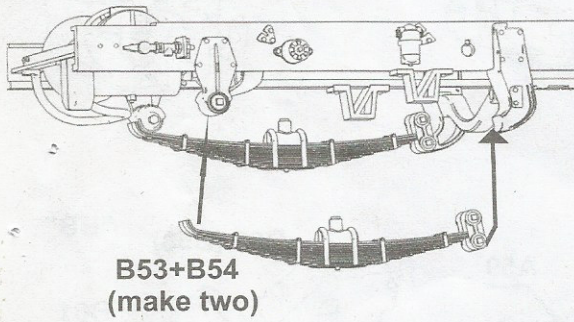
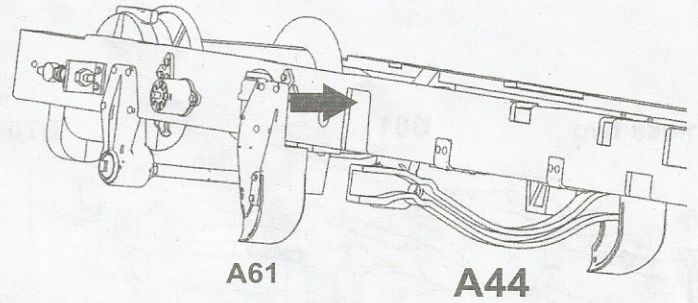
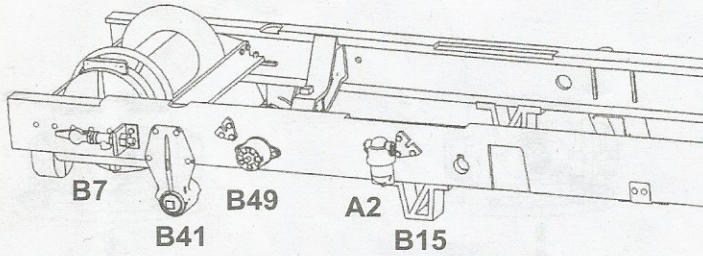
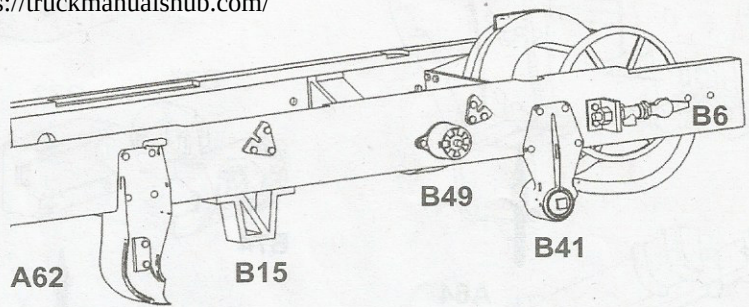
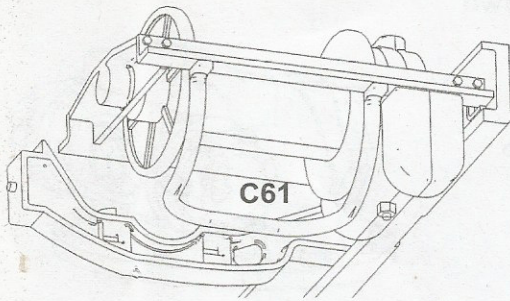


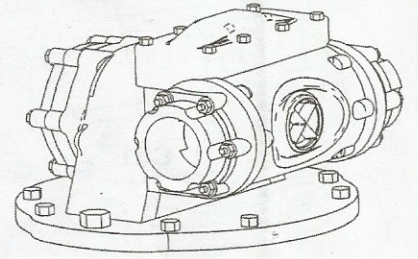
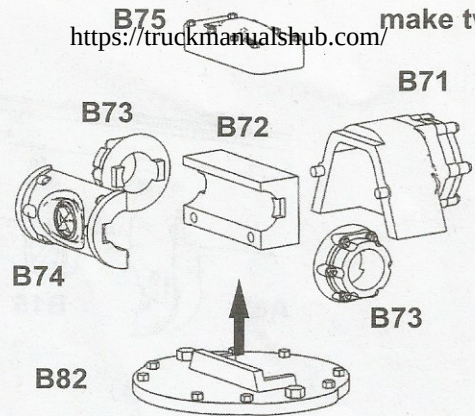
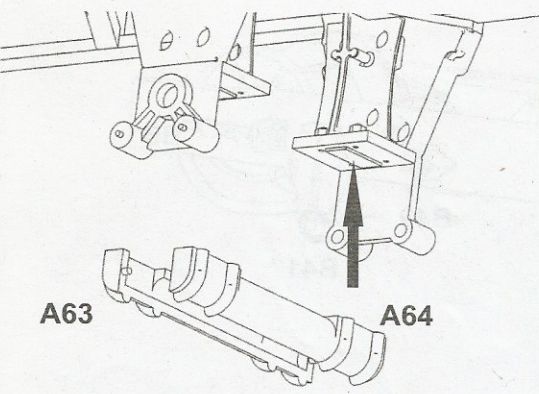
Chassis



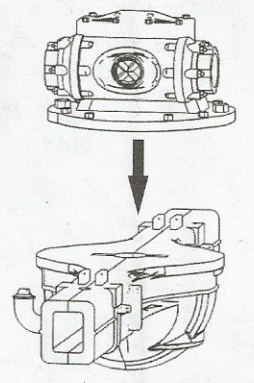
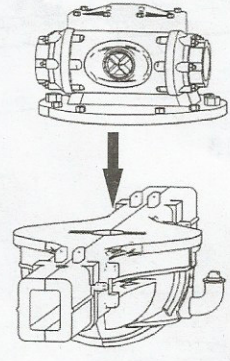
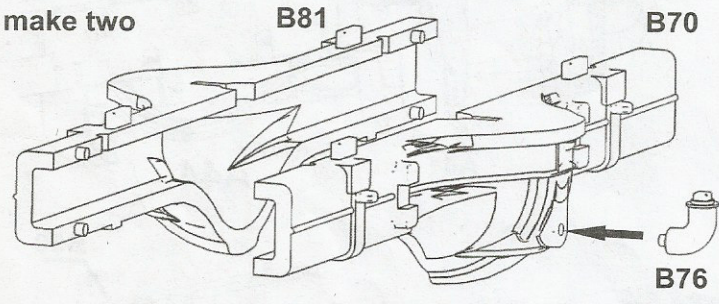
Assemble A43 into frame, but do not glue it until you fit engine later on, you might need to move it slightly forward or back, depending how accurate you have worked on back transmissions



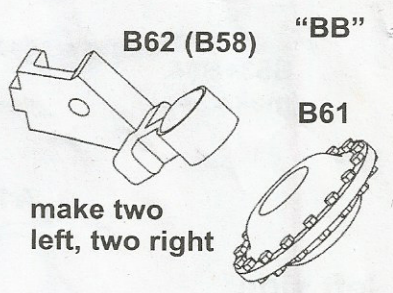
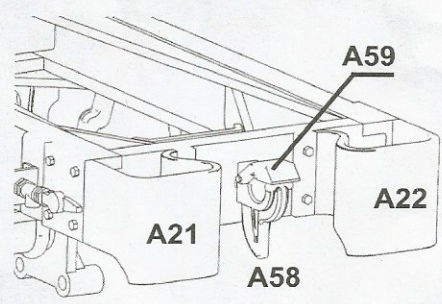
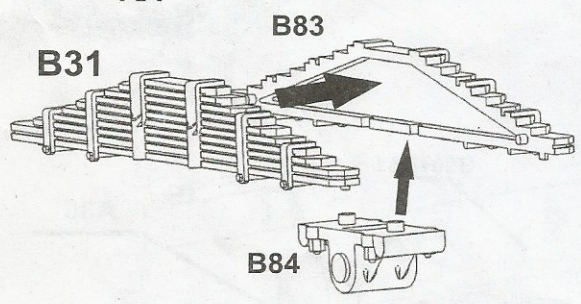




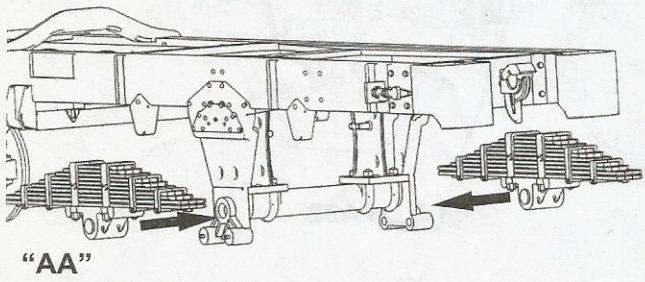
make two



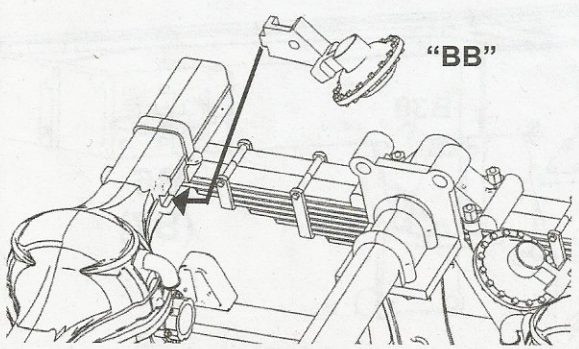
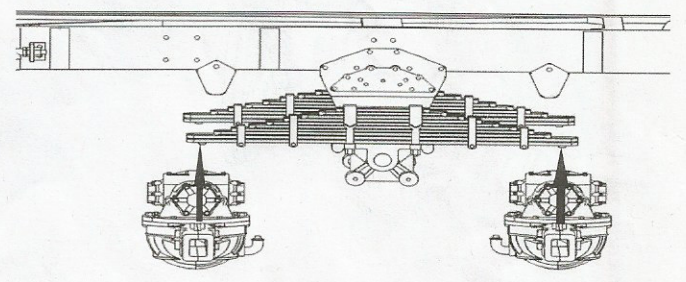
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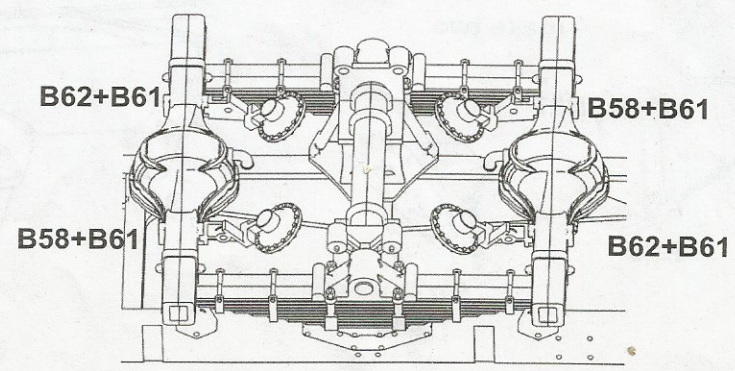
make two
left, two right

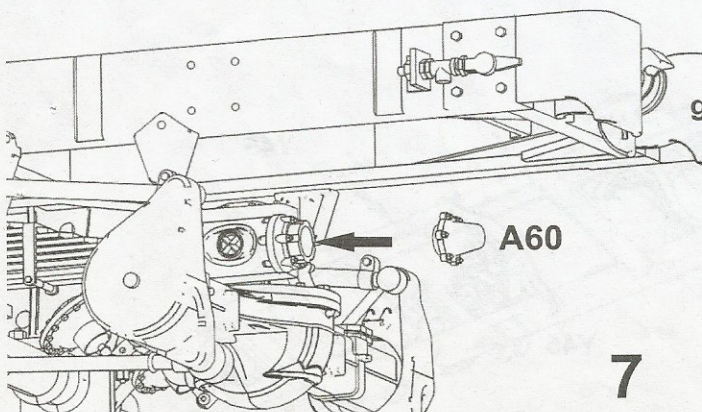
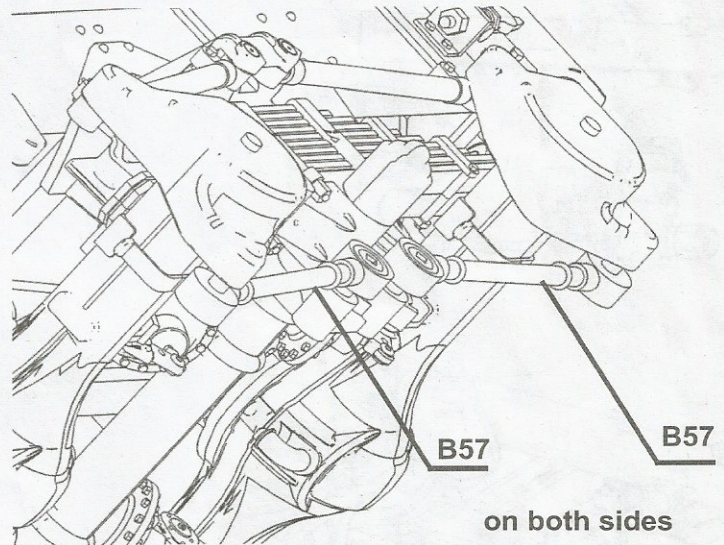
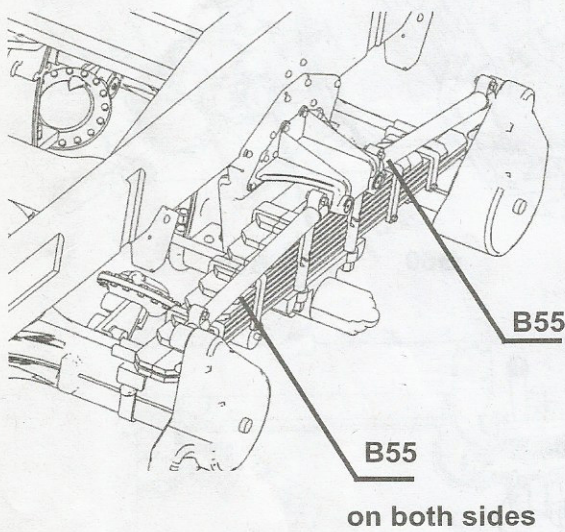
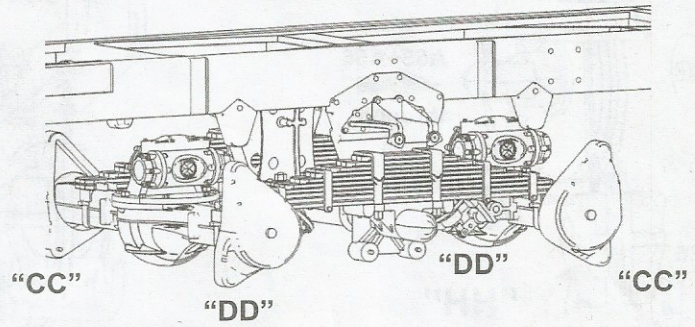
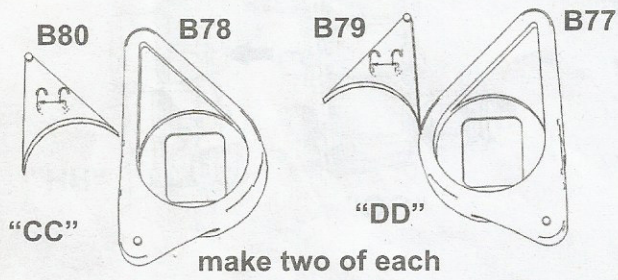
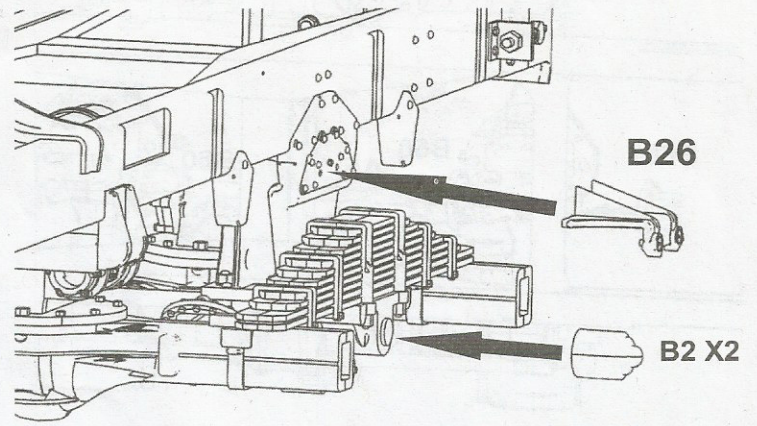
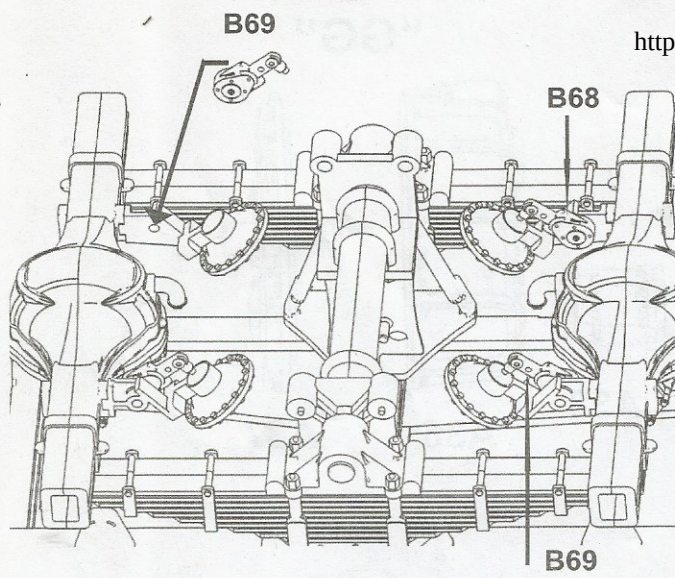


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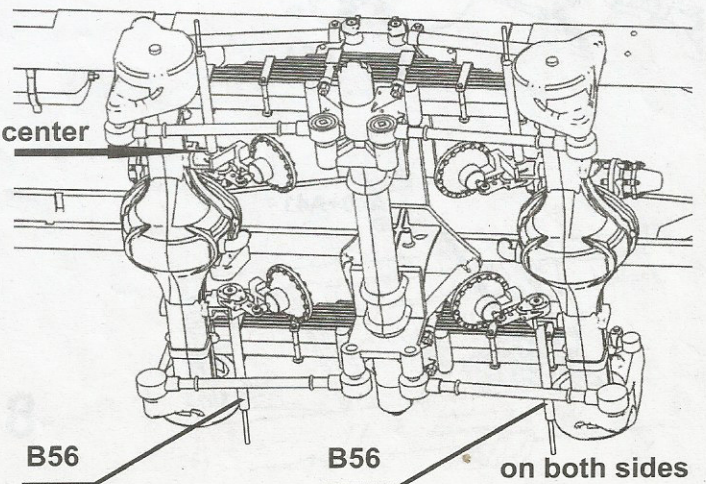


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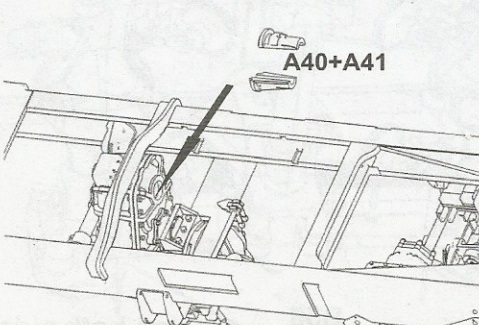
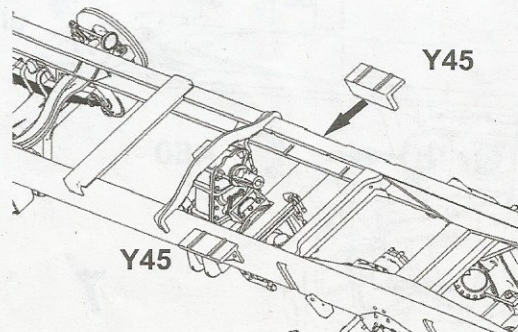
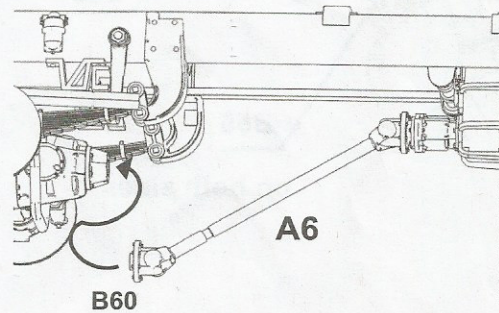
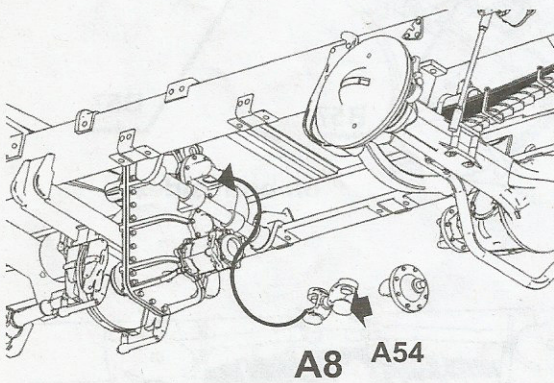
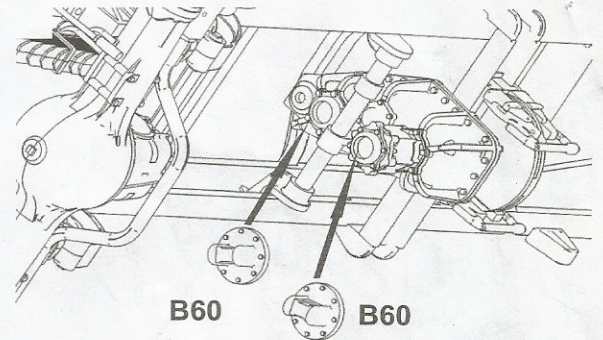
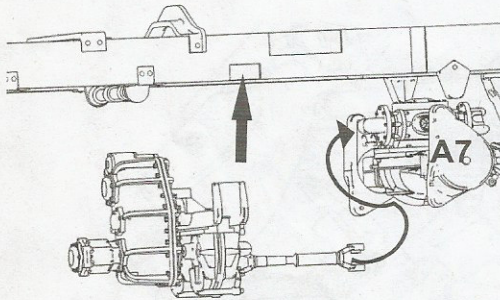
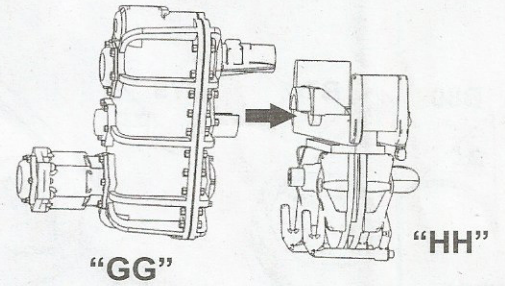
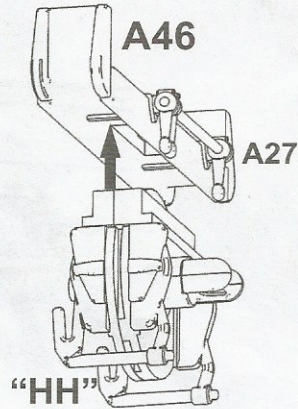
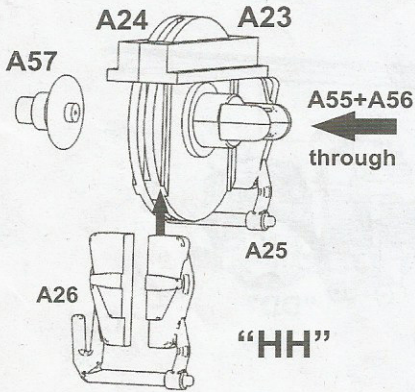
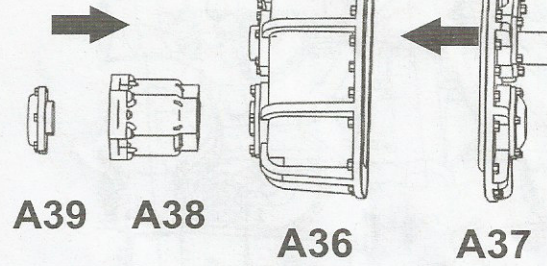
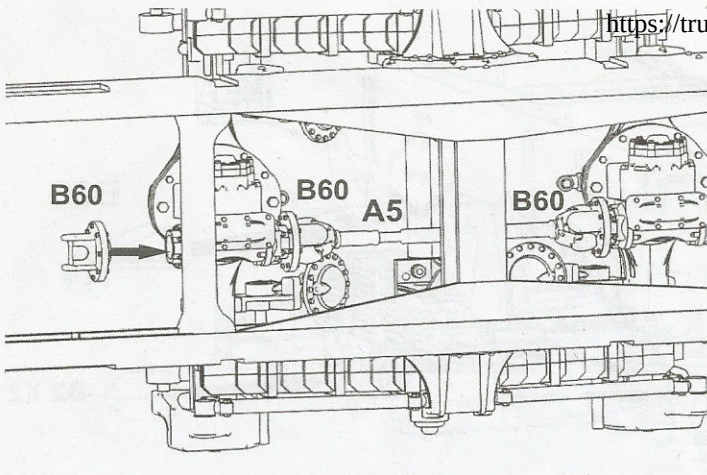




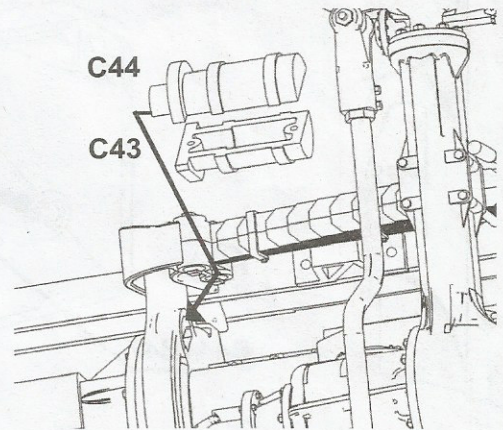
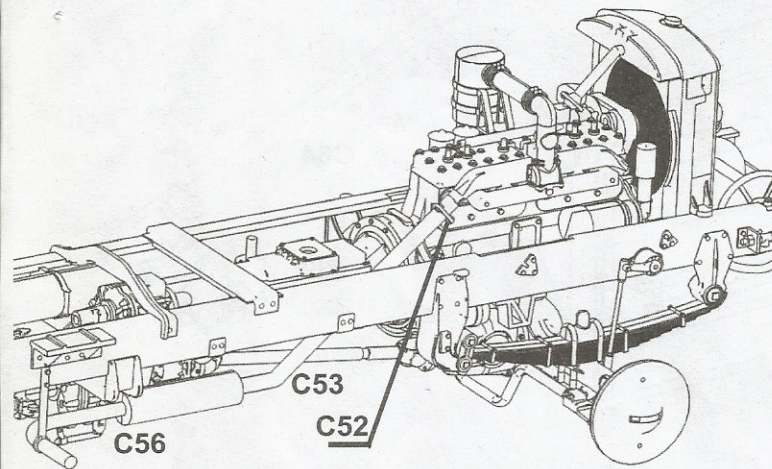
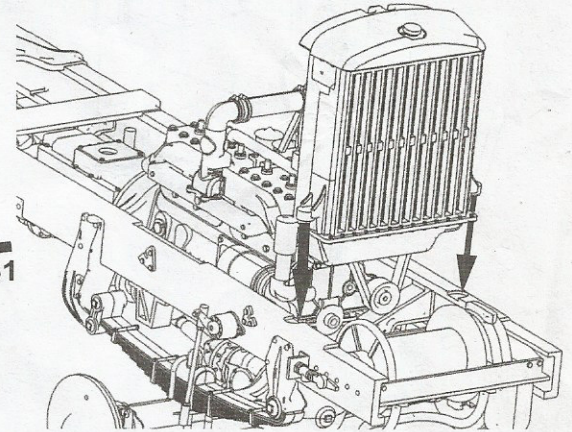
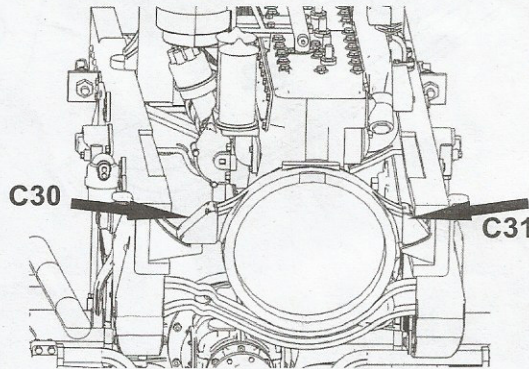
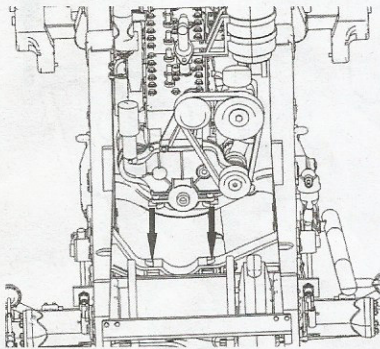
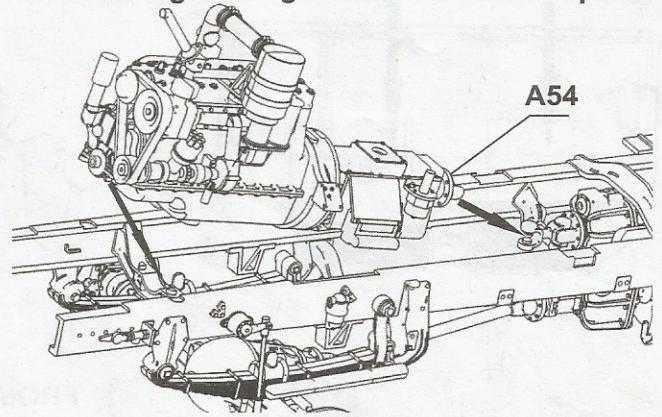
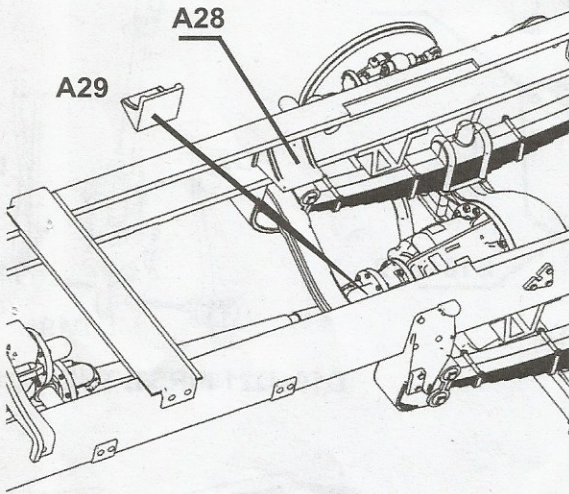
glue in center



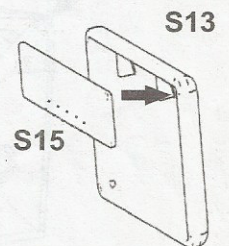
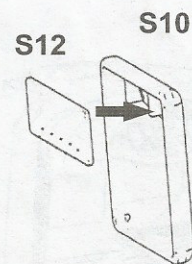
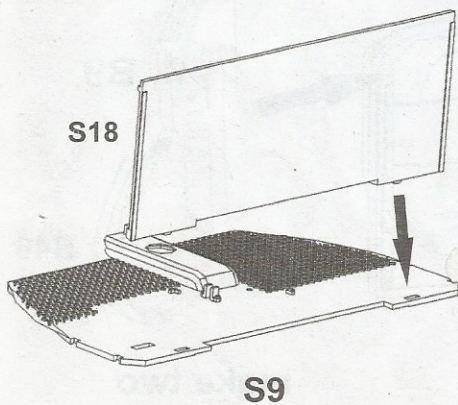
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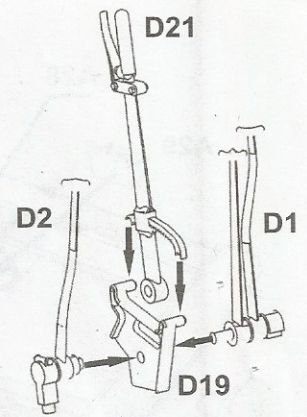
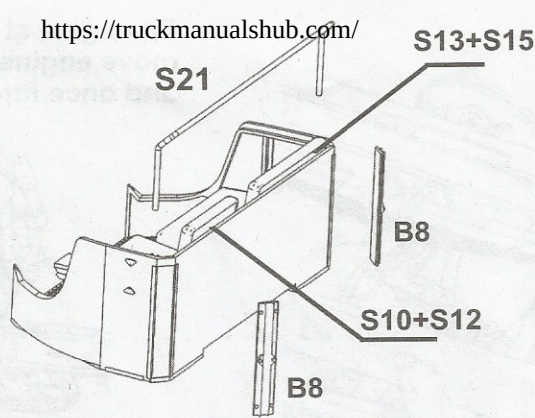
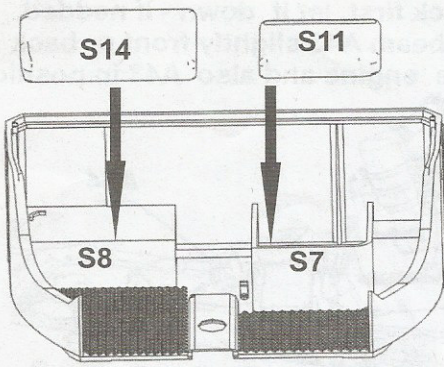


Fit engine at the back first, let it down - if needed, move engine crossbeam A43 slightly front or back and once fitted glue engine and also A43 in position

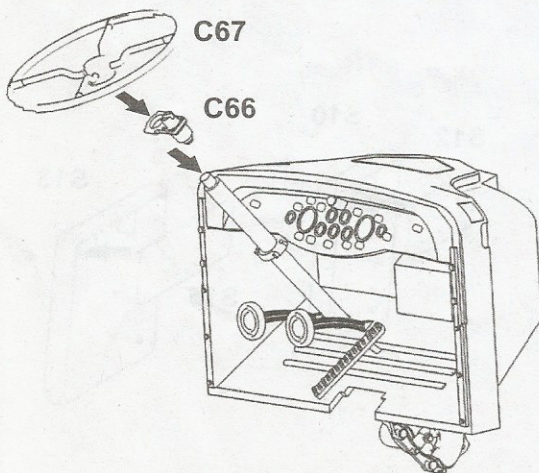
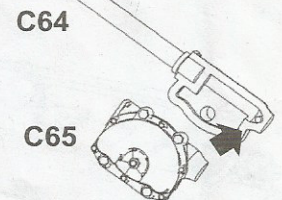
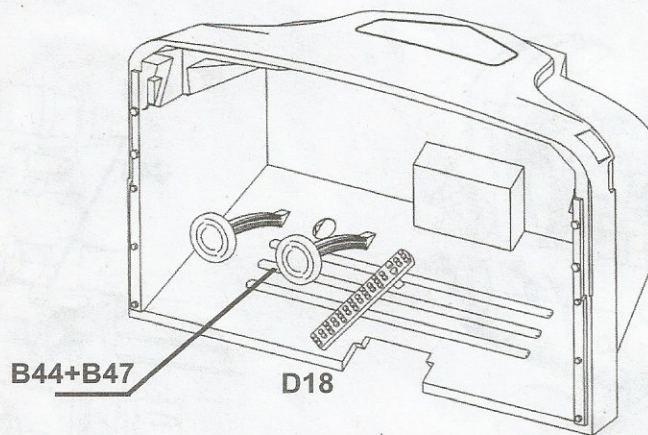
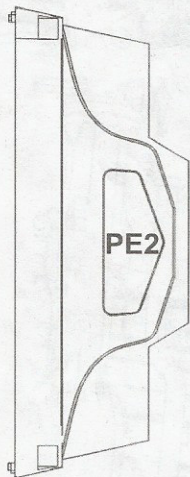
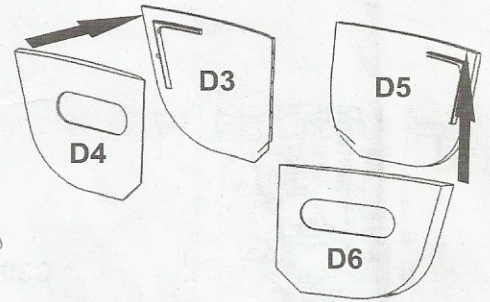
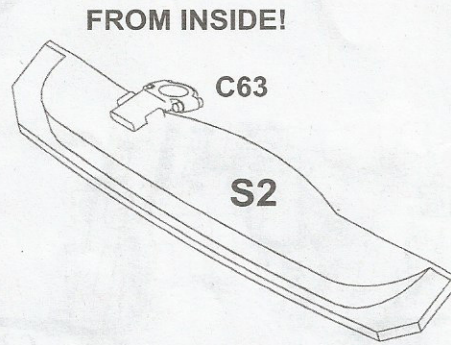
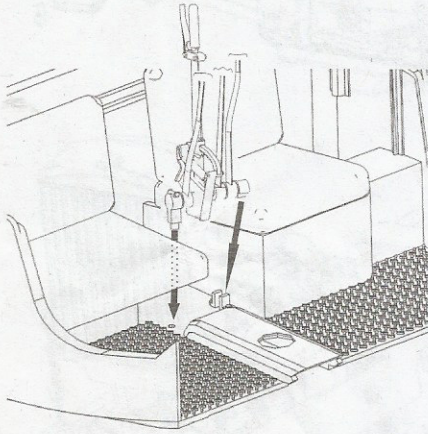


Open cab

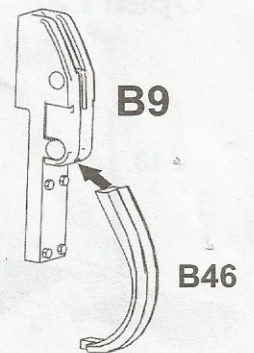
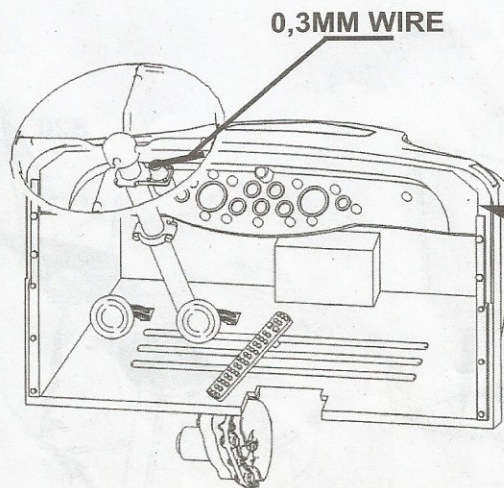




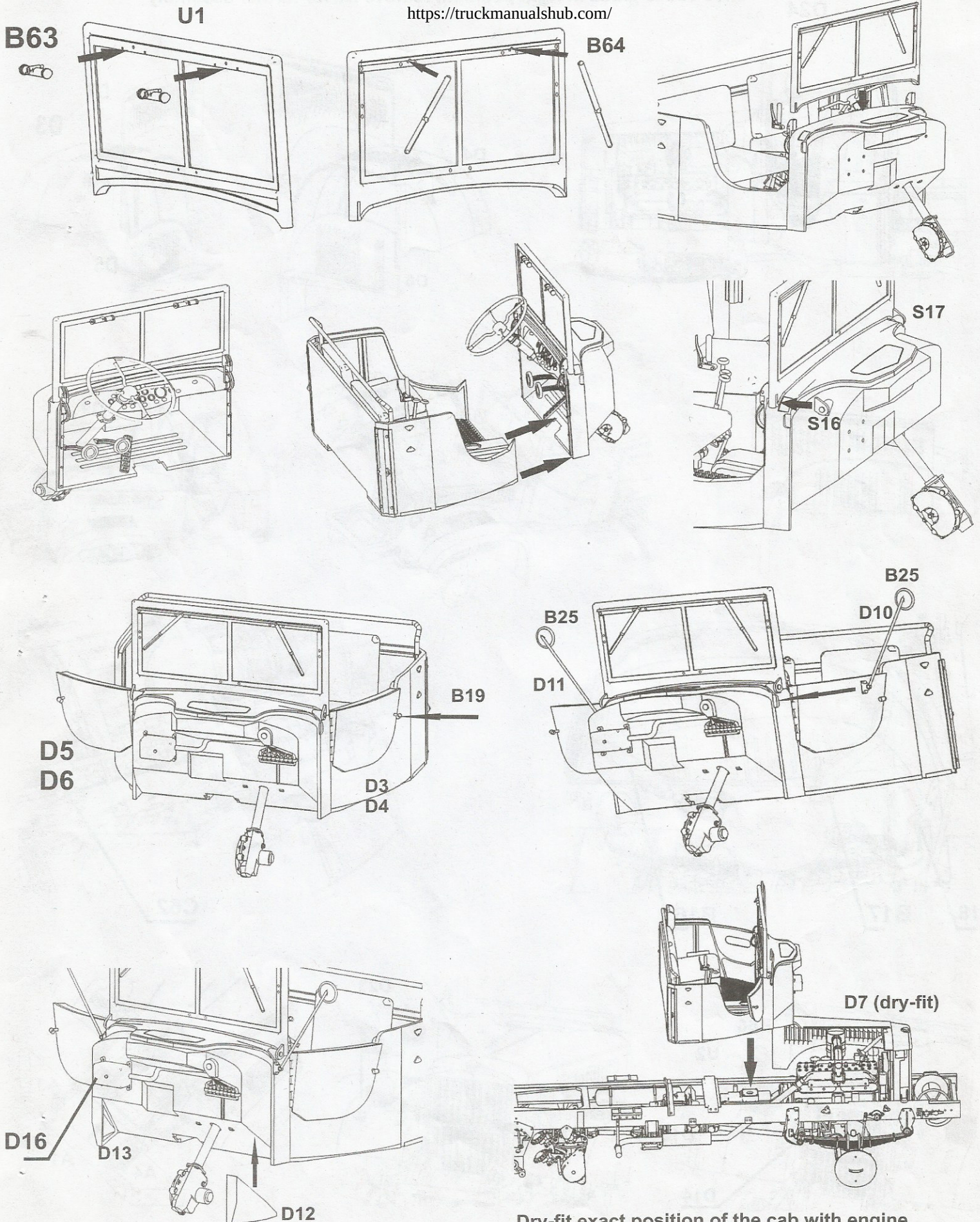
D19+D21 FIRST, THEN D1,D2



pul C64+C65 through,
do not glue yet!



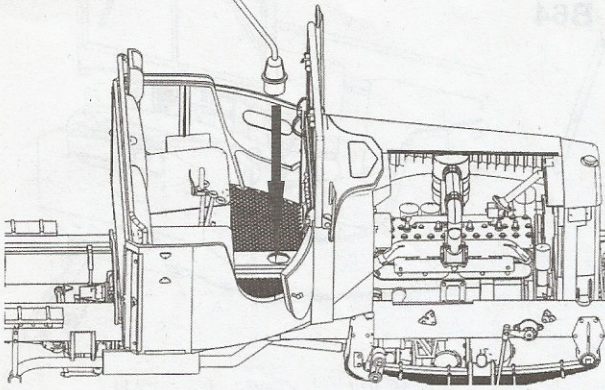
make two



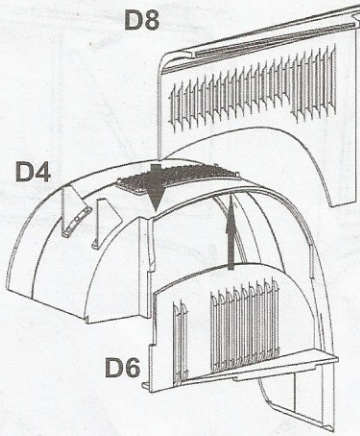
Dry-fit exact position of the cab with engine cover D7, hole in the cab floor should fit with hole in gear box, once in position, put D24 through hole in the cab floor and glue into hole in gear box. Or you might prefer to assemble engine covers first, and then glue cab in position

once cab is glued in right position, remove D7 for further assembly
<https://truckmanualshub.com/>

D24

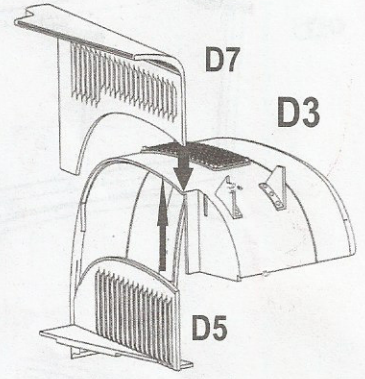


D8



D7

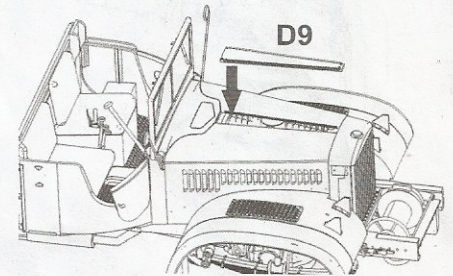
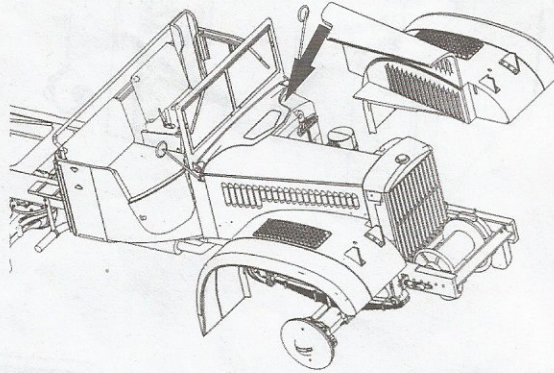
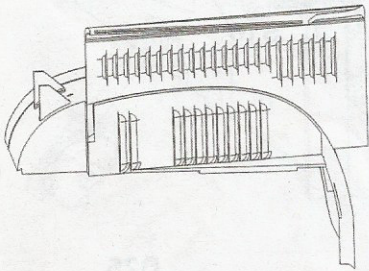
D3



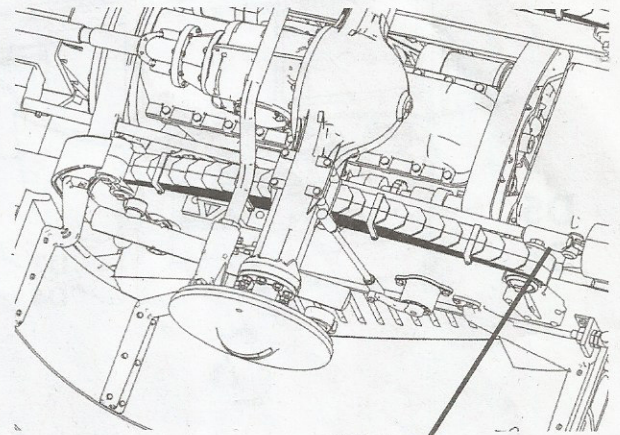
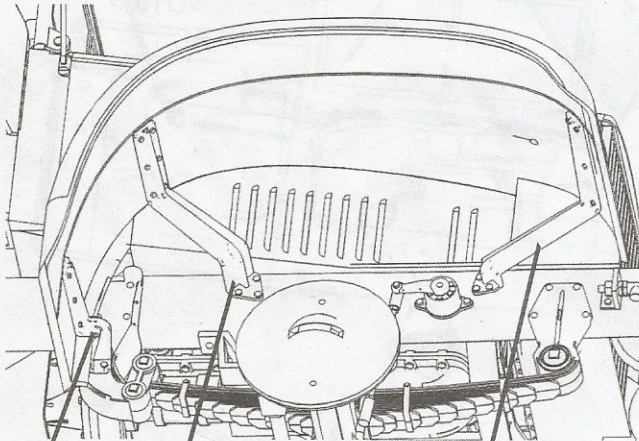
D4

D6

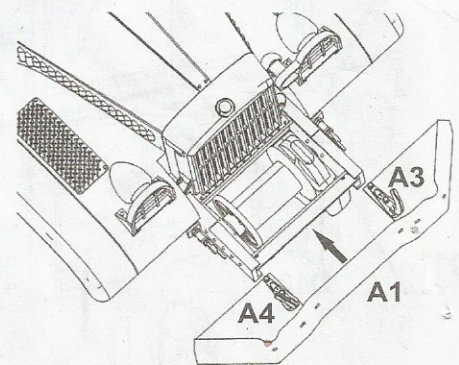
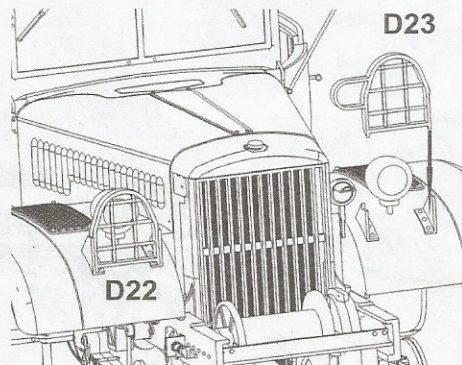
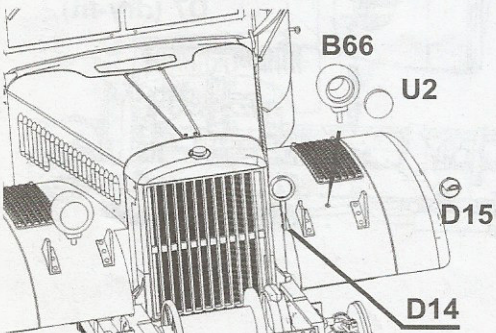
D5



D9

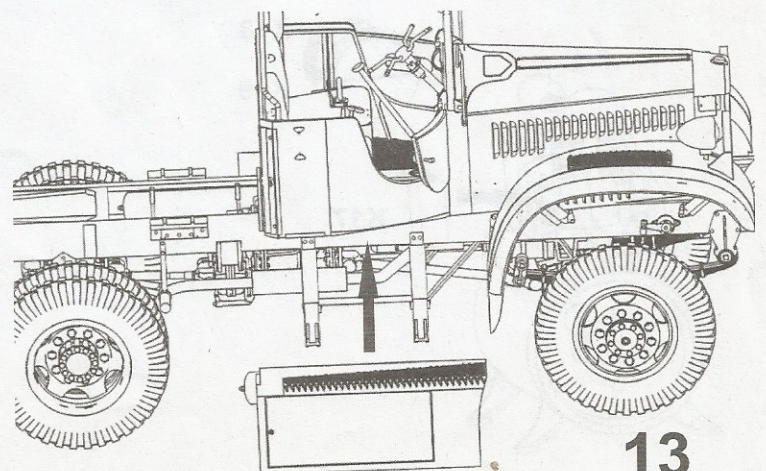
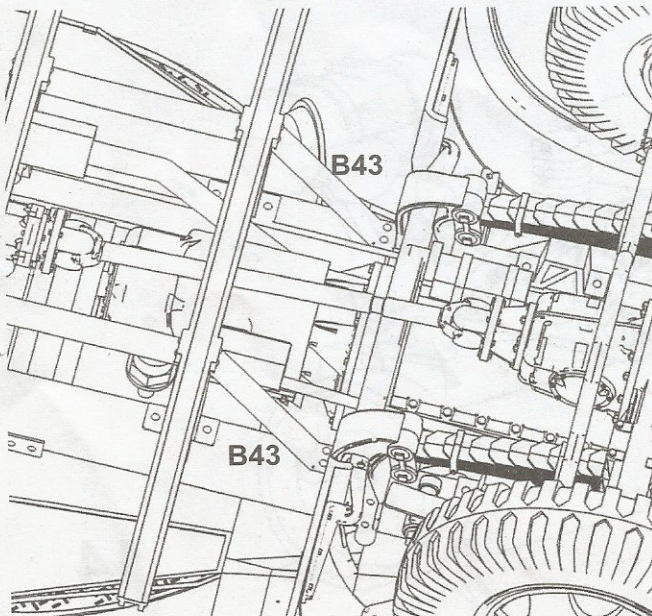
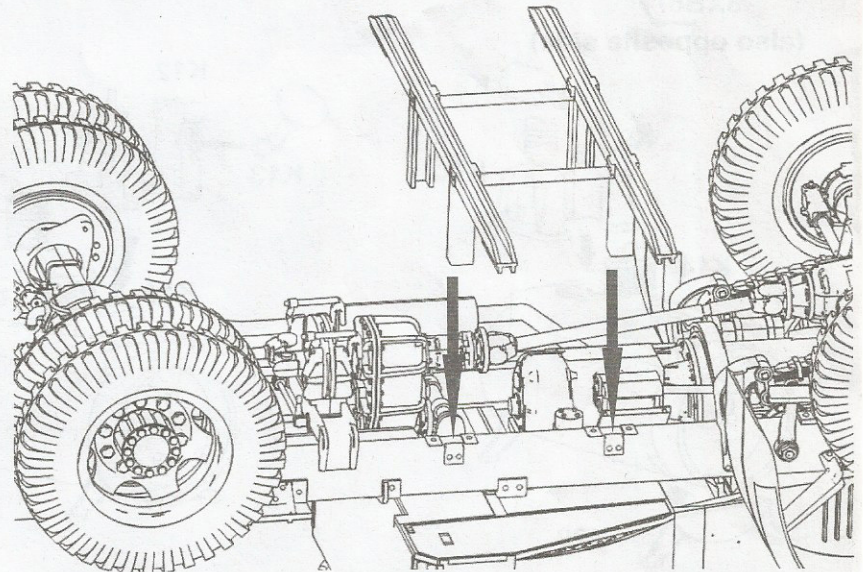
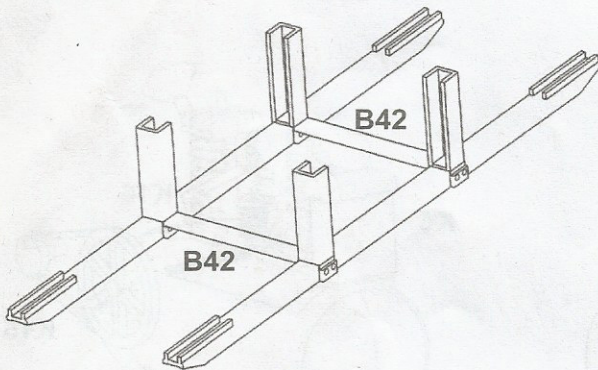
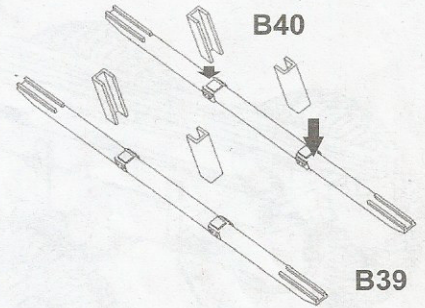
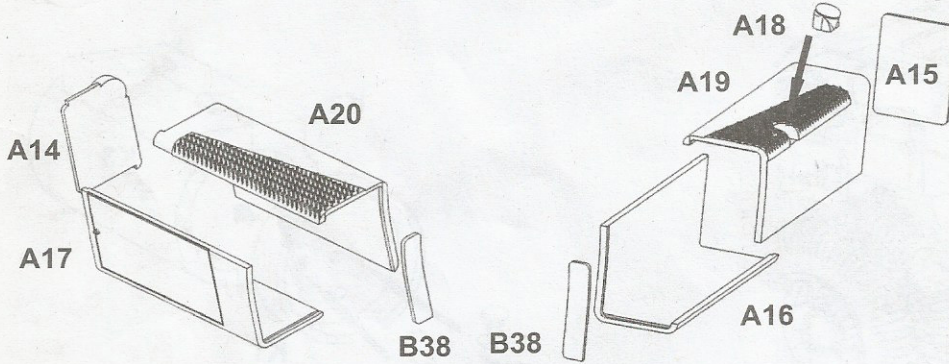
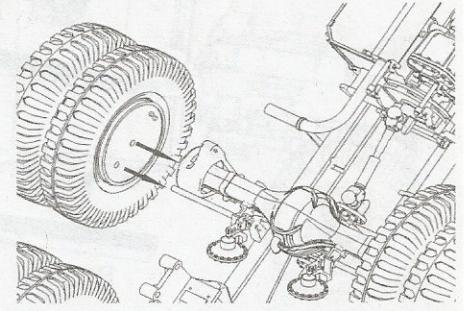
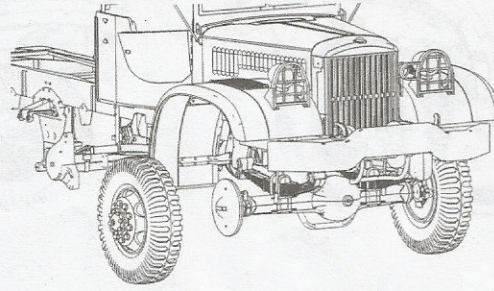
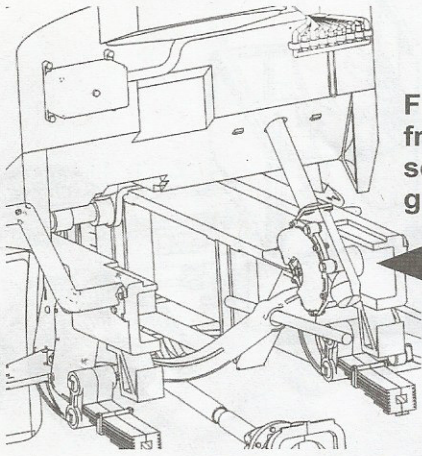


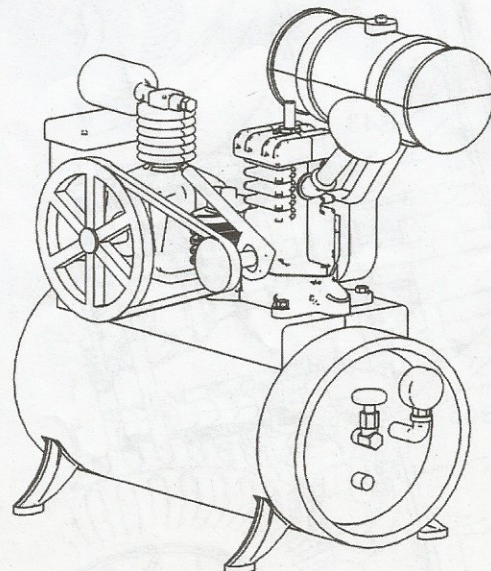
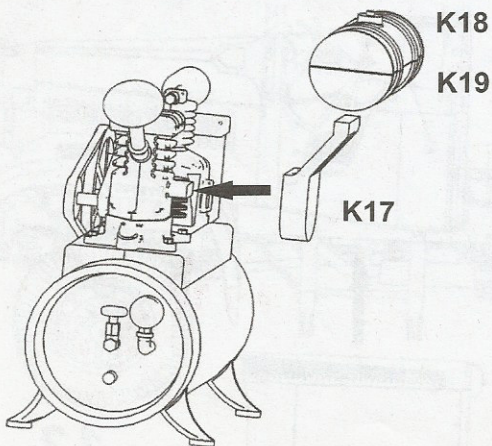
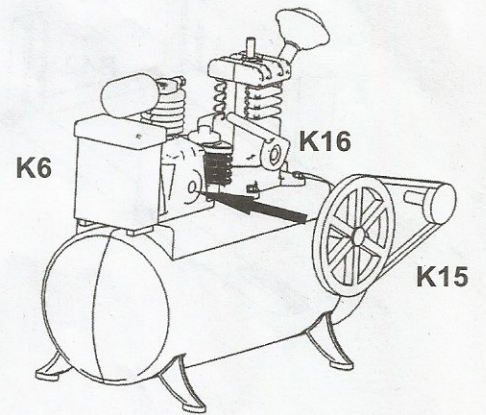
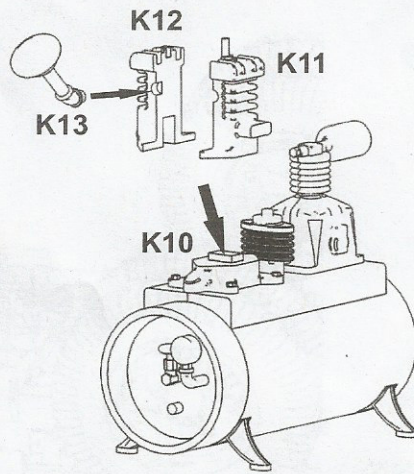
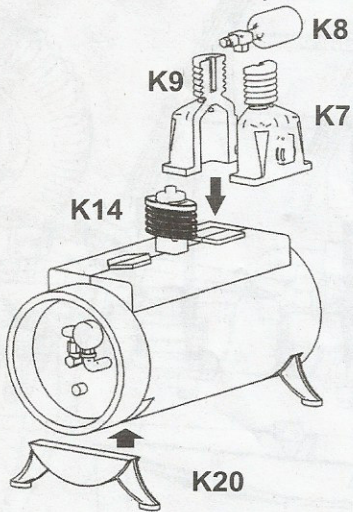
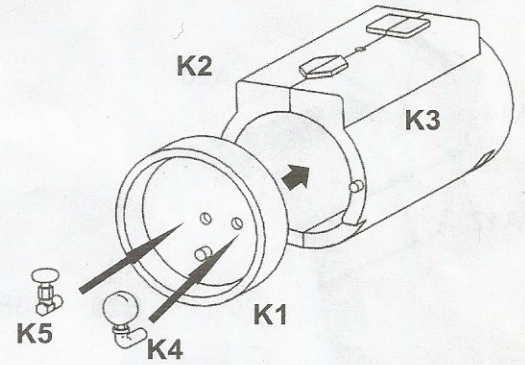
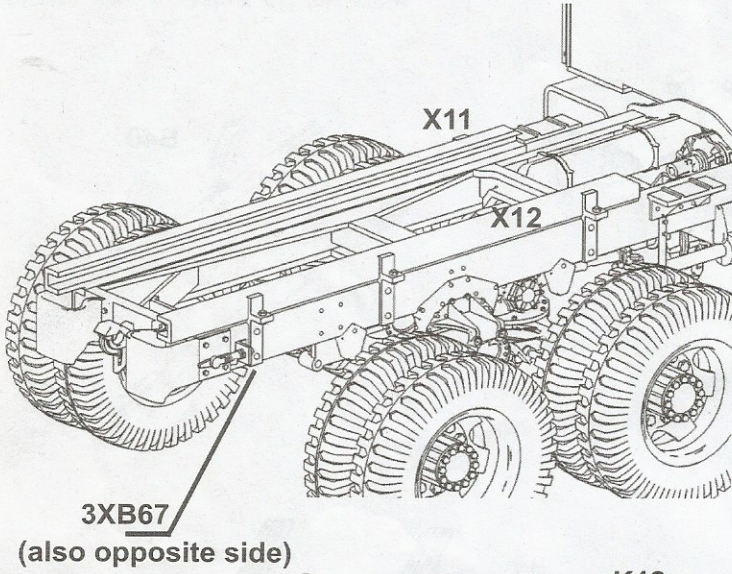
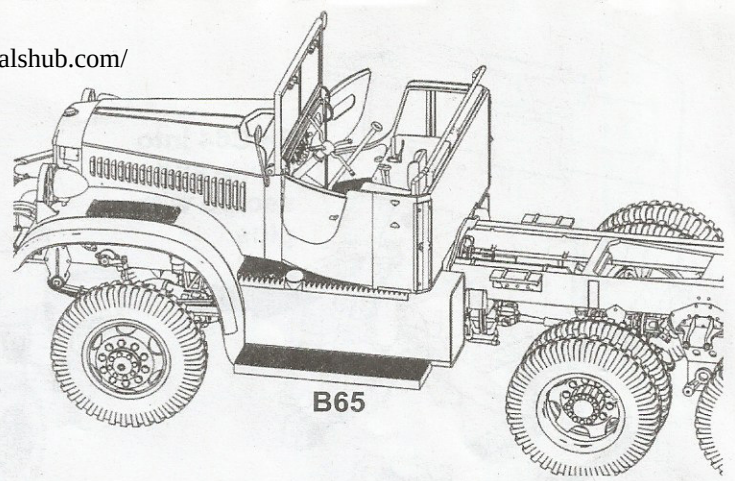
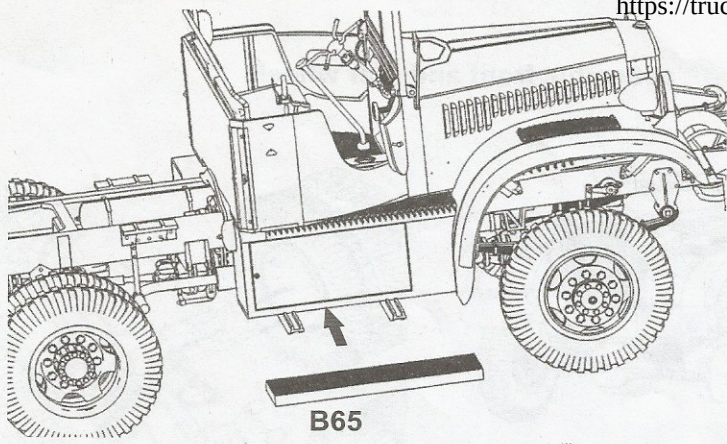
C62

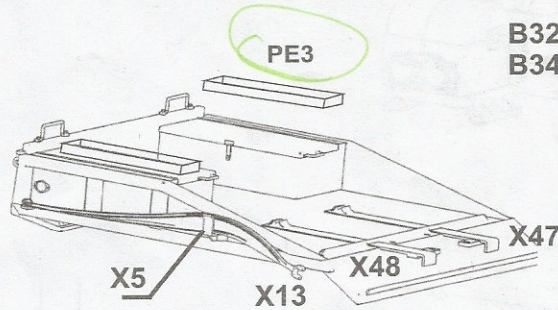
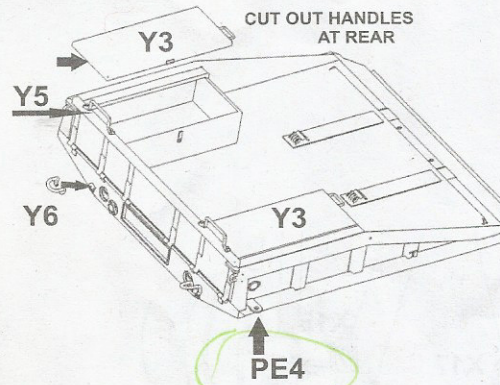
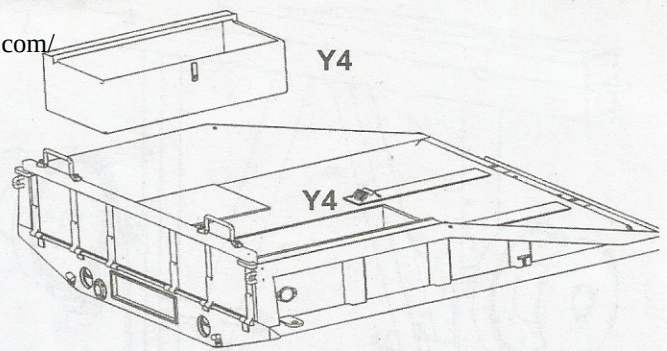
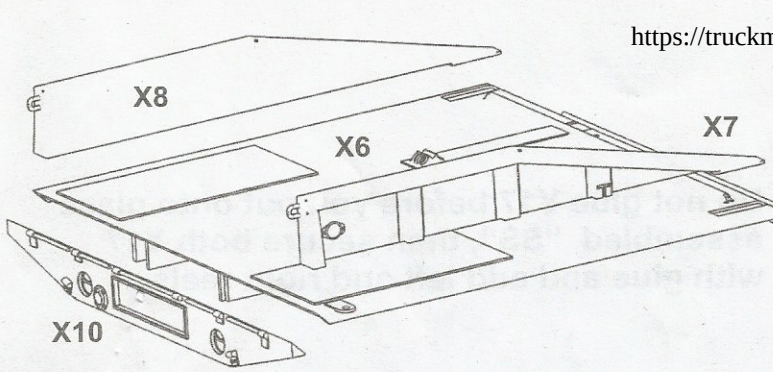


Fit C64 into
frame and
secure with
glue

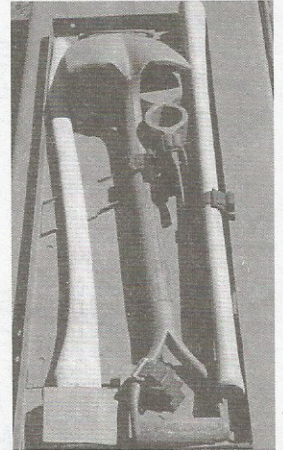
assemble front and rear wheels



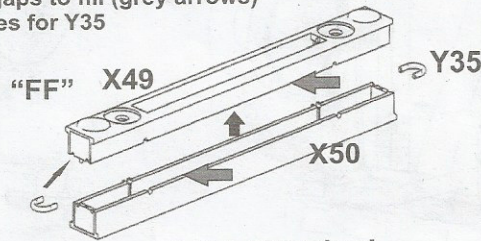
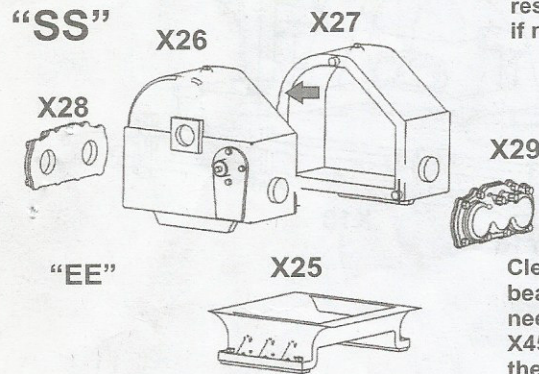




B32, B33
B34, B59

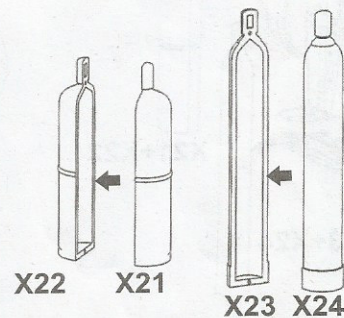
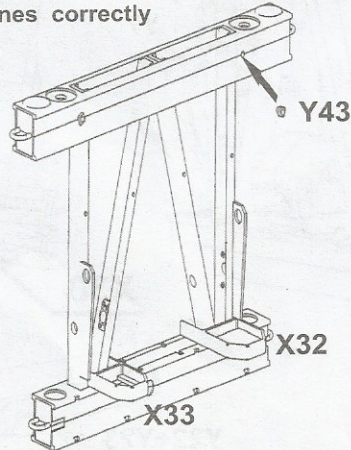
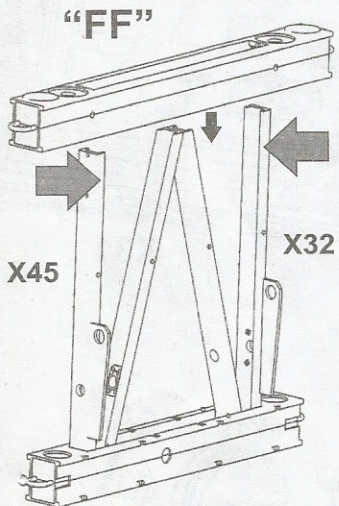
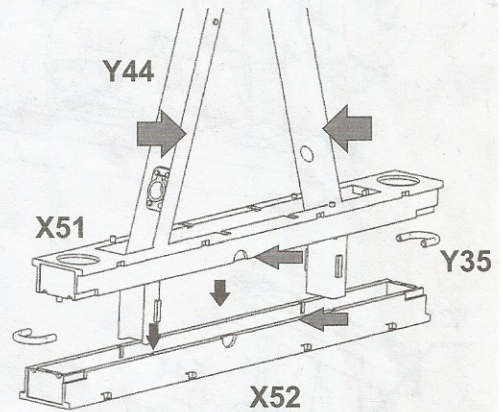


X26+X27, X49+X50, X51+X52 have edges rather rounded than flat, because of plastic filling limits in sharp corner while the wall is very thin, sand all edges flat before you glue parts together, it will avoid any gaps to fill (grey arrows) restore holes for Y35 if needed



mind direction!

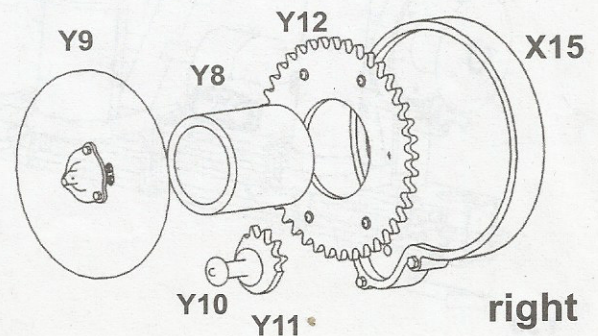
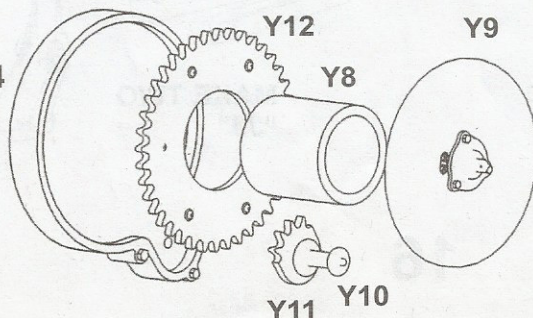
Clean perfectly openings in "FF" and bottom beam for easy fit of vertical beams. You might need to sand slightly sides of beams Y44, X32, X45 to fit without force into X51+X52 and "FF", these are a little bit wider than needed, otherwise too thin walls would cause problems with plastic injection (grey arrows). Before you sand, mark positions to fit vertical beams into horizontal ones correctly



make two,
left and right

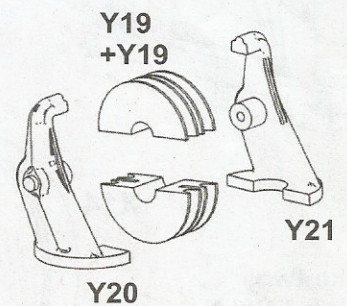
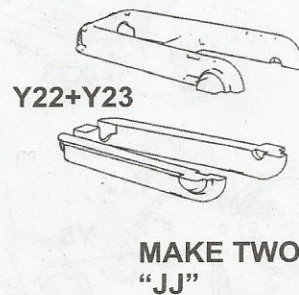
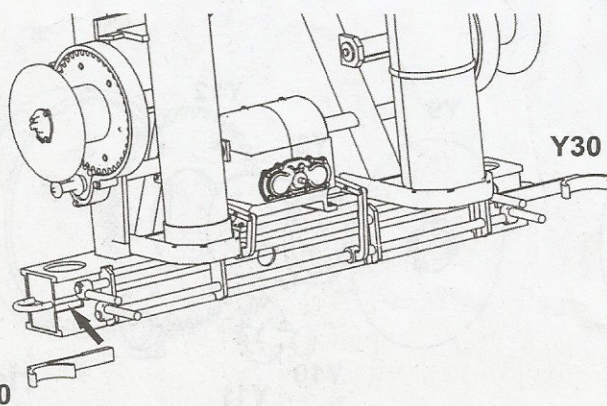
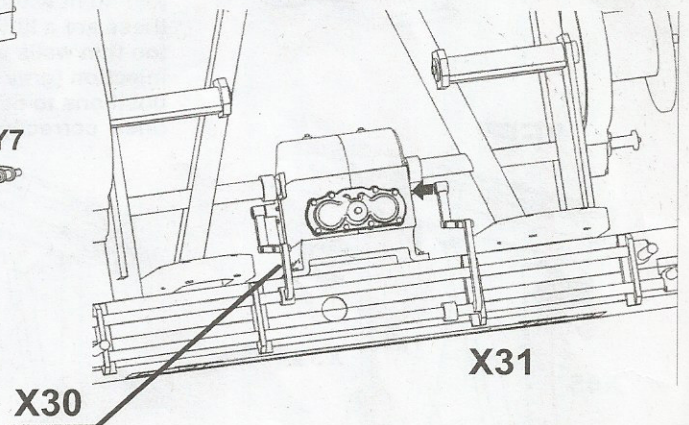
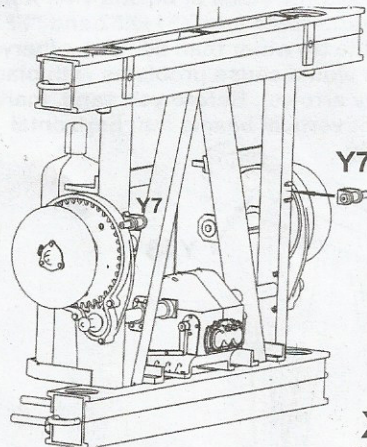
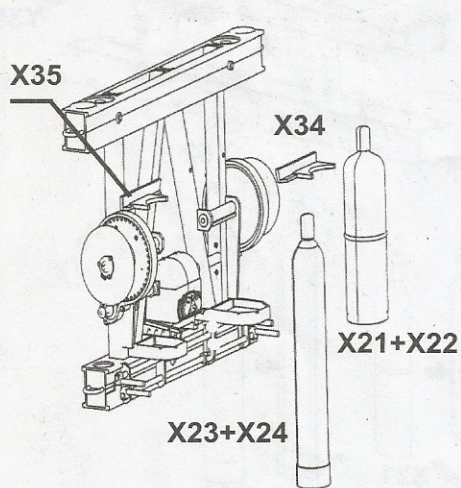
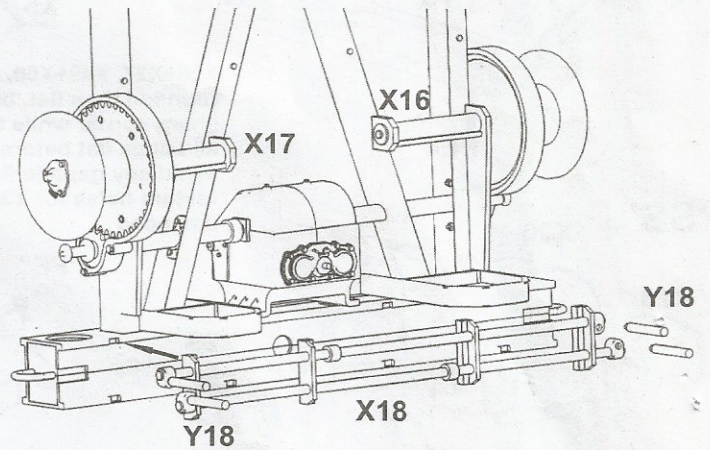
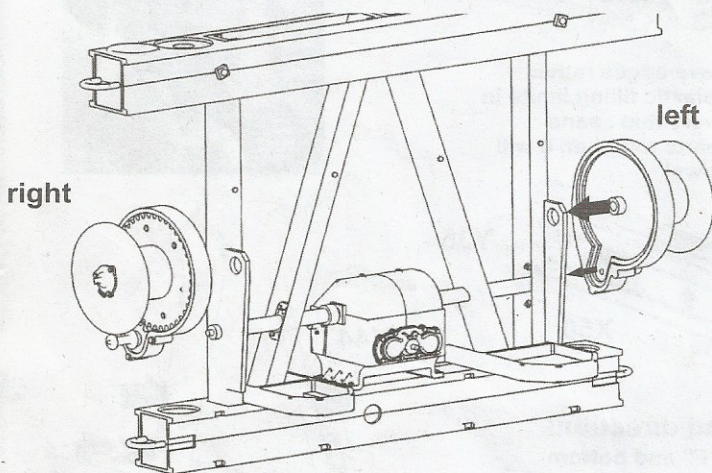
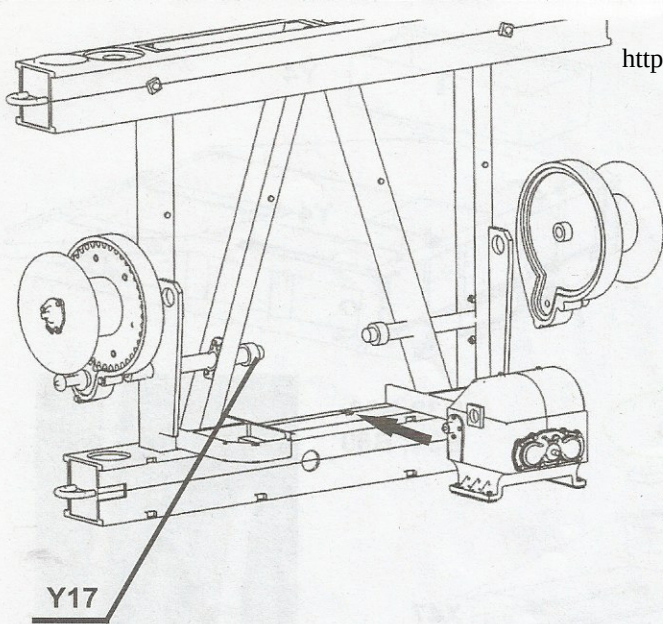
15

left

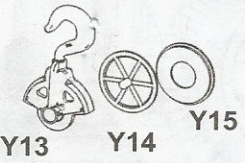


right

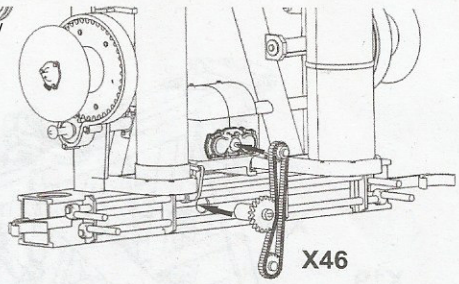
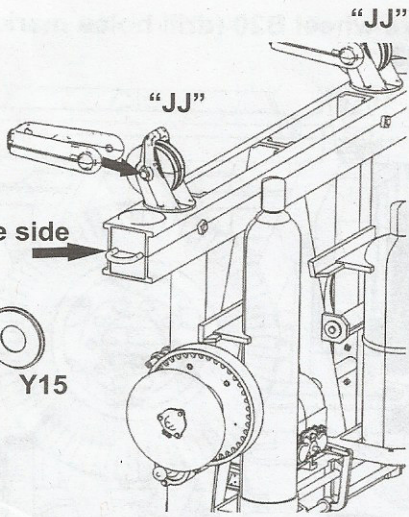
Do not glue Y17 before you put onto place assembled "SS", then secure both Y17 with glue and add left and right reels



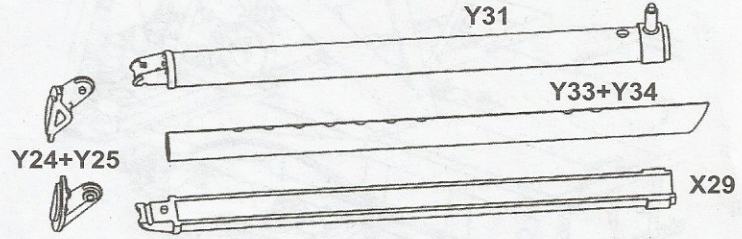
hang here
and opposite side



MAKE TWO



X46



Y24+Y25

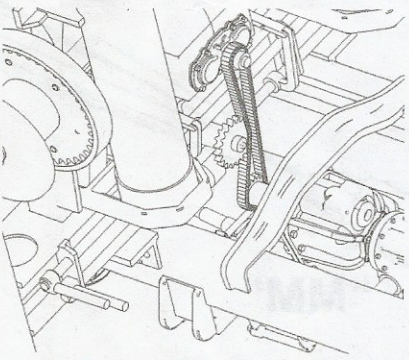
MAKE TWO - do not glue inner rods, they can be assembled in traveling or working position - pulled out

A32

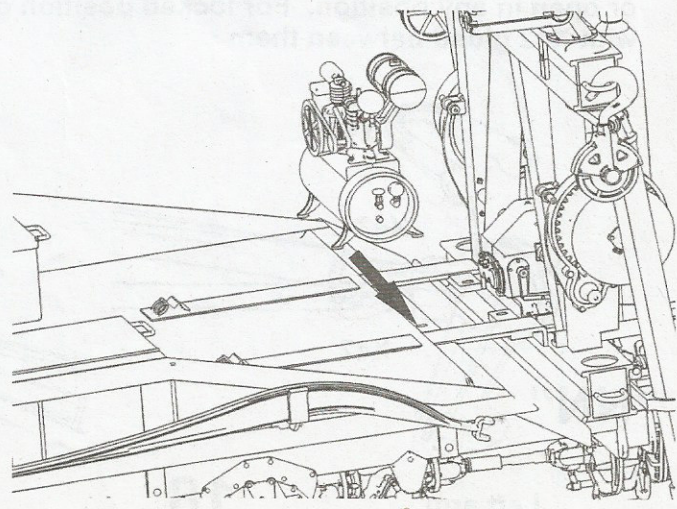
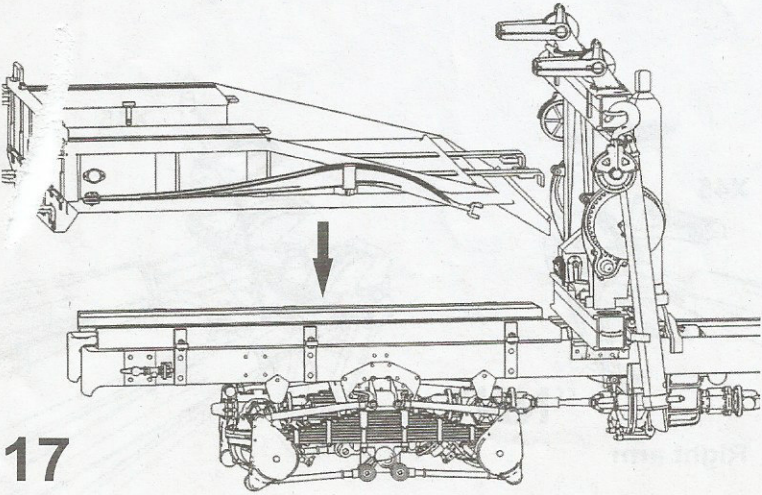
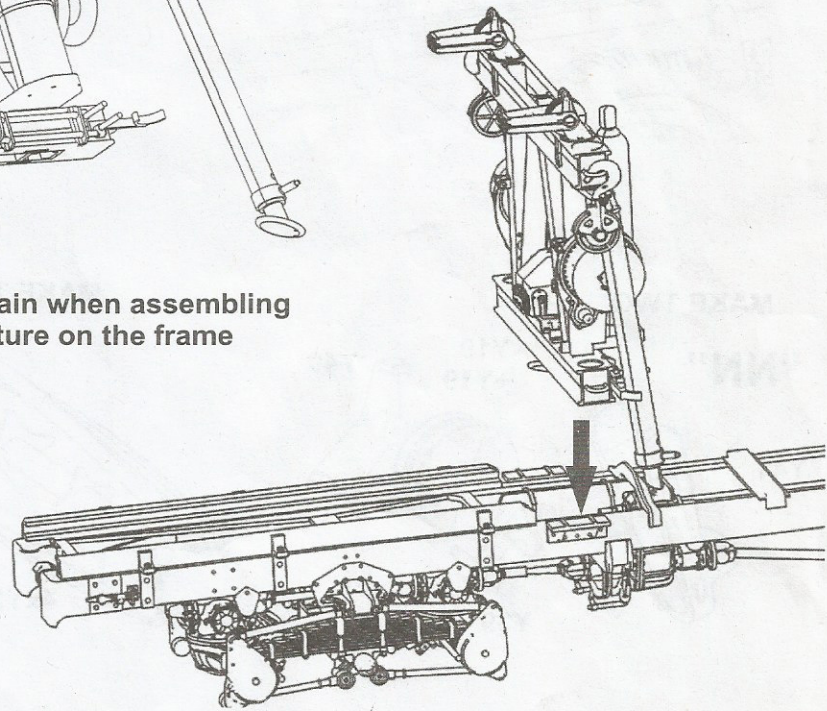
you can make a
handle of wire 0,2mm
and glue into holes

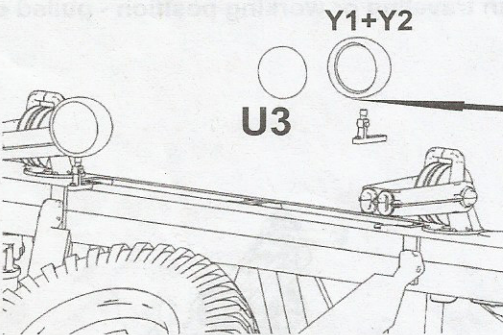
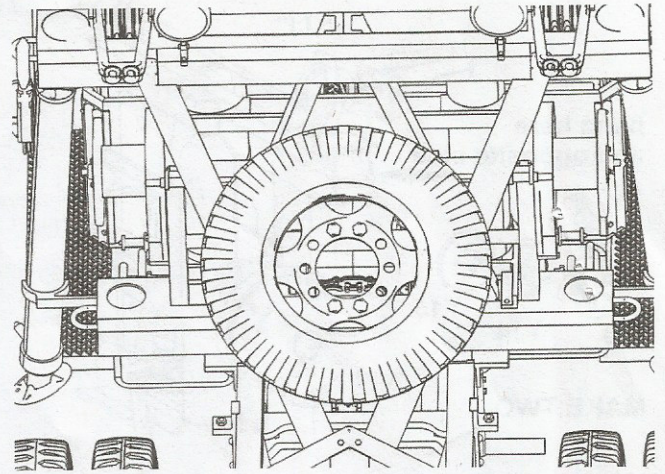
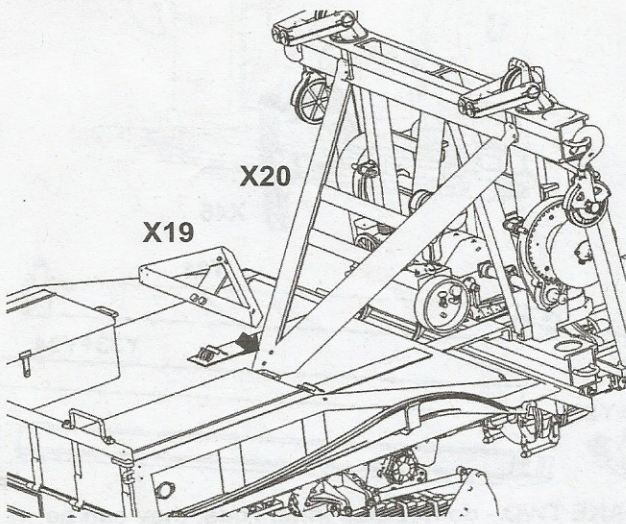


mind the chain when assembling
whole structure on the frame

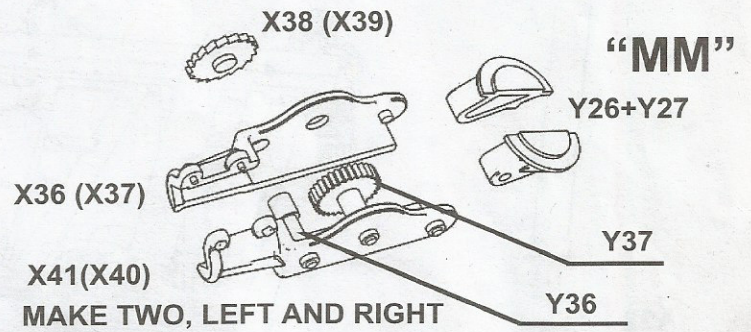


connect X46 into gear box





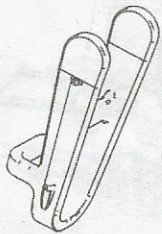
drill hole in
Y1 to glue
into it Y2



MAKE TWO

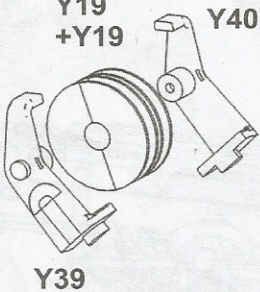
“NN”

Y41



Y19
+Y19

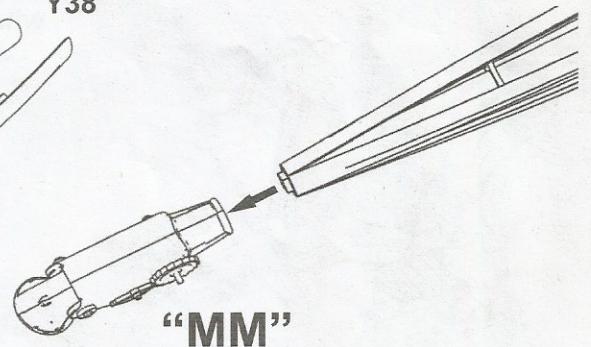
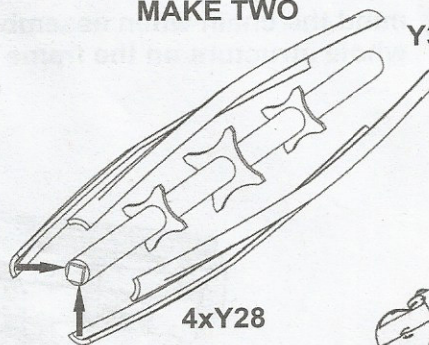
Y40



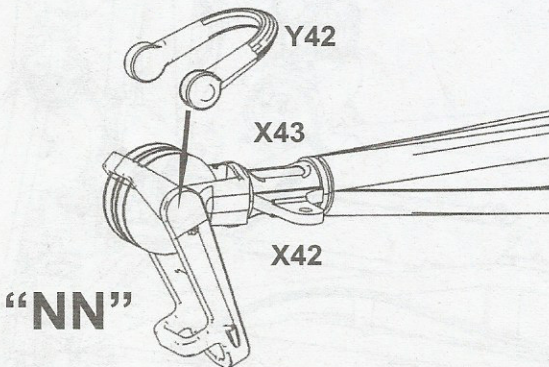
Y39

MAKE TWO

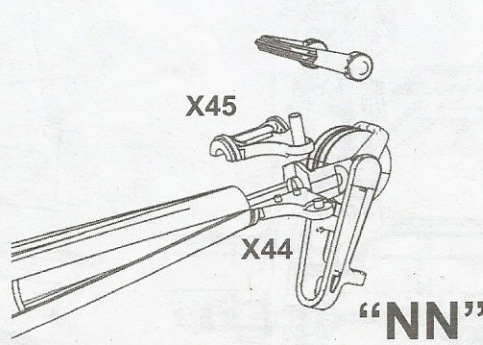
Y38



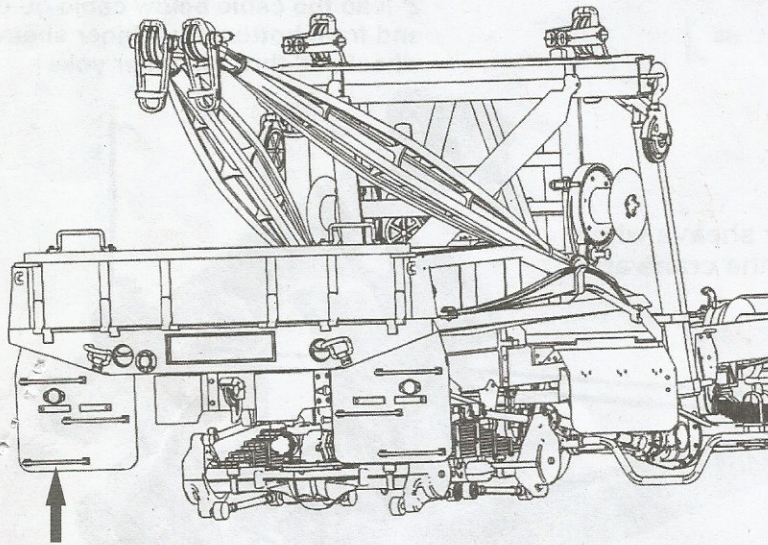
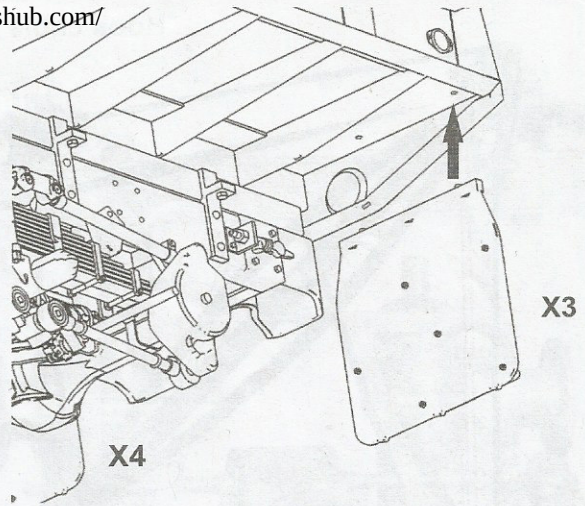
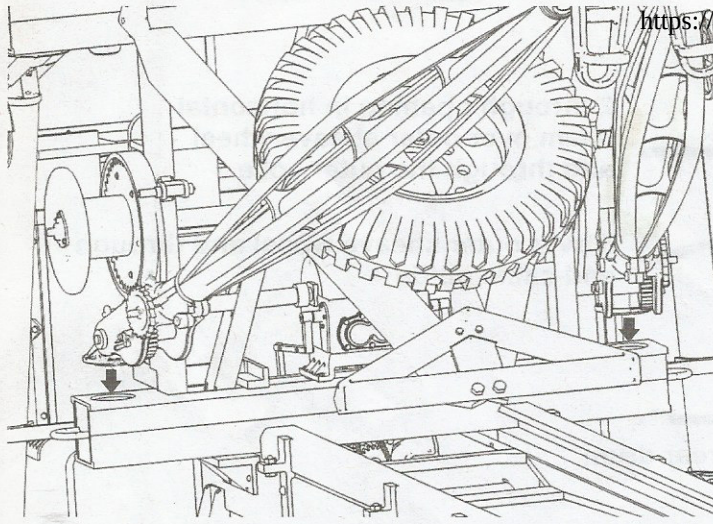
You can build arms locked together
or open in any position. For locked position glue X44 and X45
with X42 glued between them



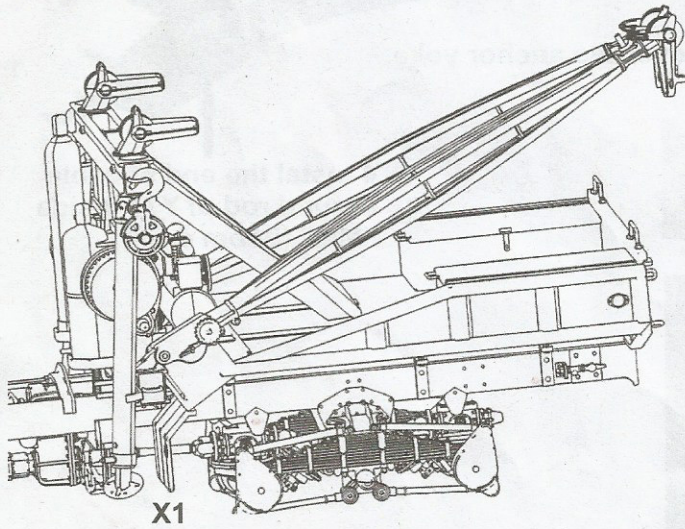
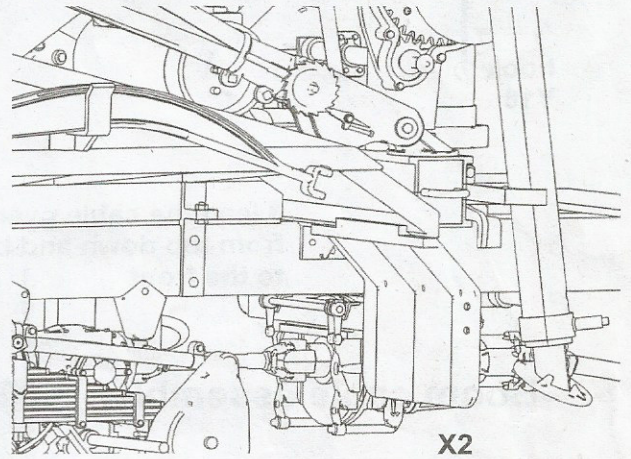
Left arm



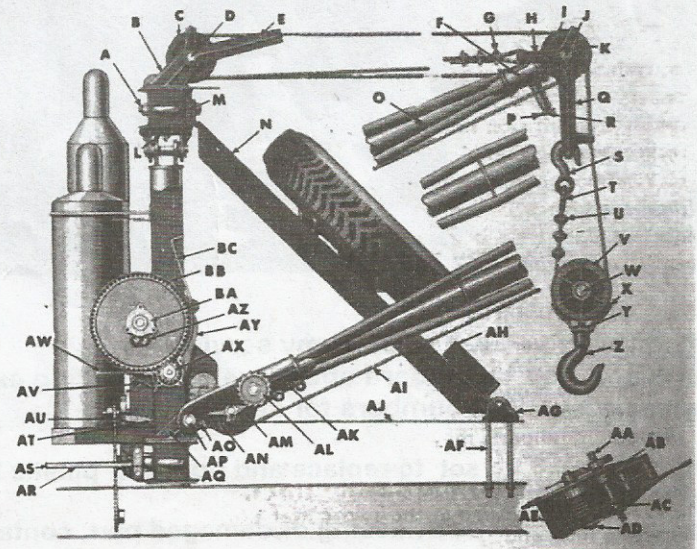
Right arm



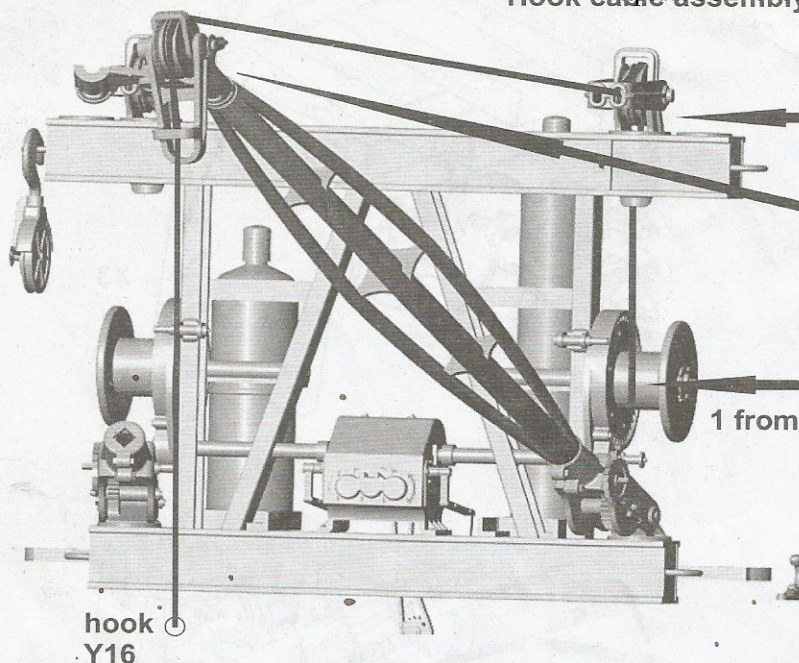
0,3MM wire for handles



Assemble all wheels at the and



Hook cable assembly



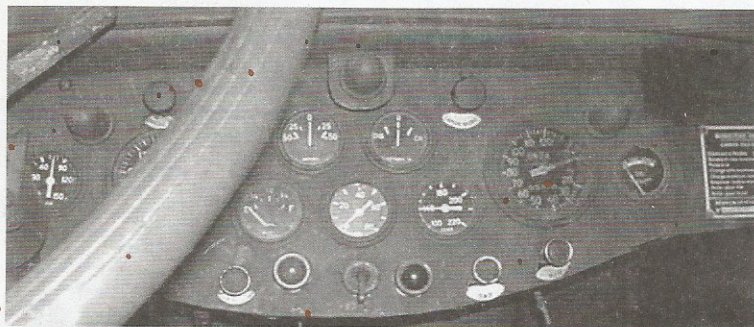
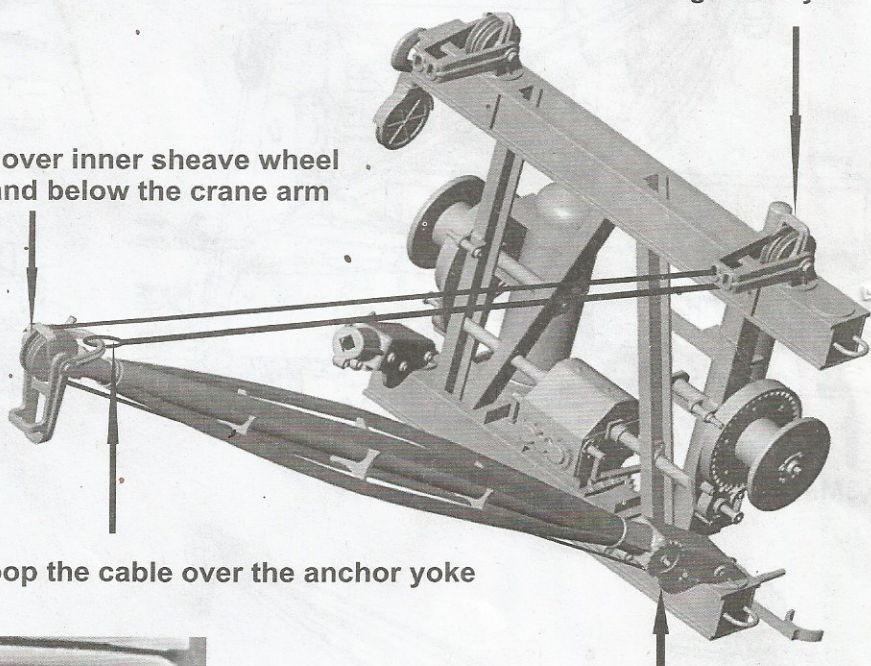
2 through opening in horizontal beam over outer sheave wheel and through the outer yoke

3 over outer sheave wheel and through end cable guide

2 lead the cable below cable guide, and from bottom over inner sheave wheel and through inner yoke

3 lead the cable over inner sheave wheel from top down and below the crane arm to the front

Boom cable assembly



Painting - olive drab in US Army service

Markings - see dashboard above, vehicle marking example on the box cover, decal sheet includes this and another set of numbers for second option

Additional detailing set to replace and upgrade plastic kit parts, and vacuum formed canvas will be available soon at www.LZmodels.com

If you have experienced missing or damaged part, contact us directly for replacement at info@mirror-models.com