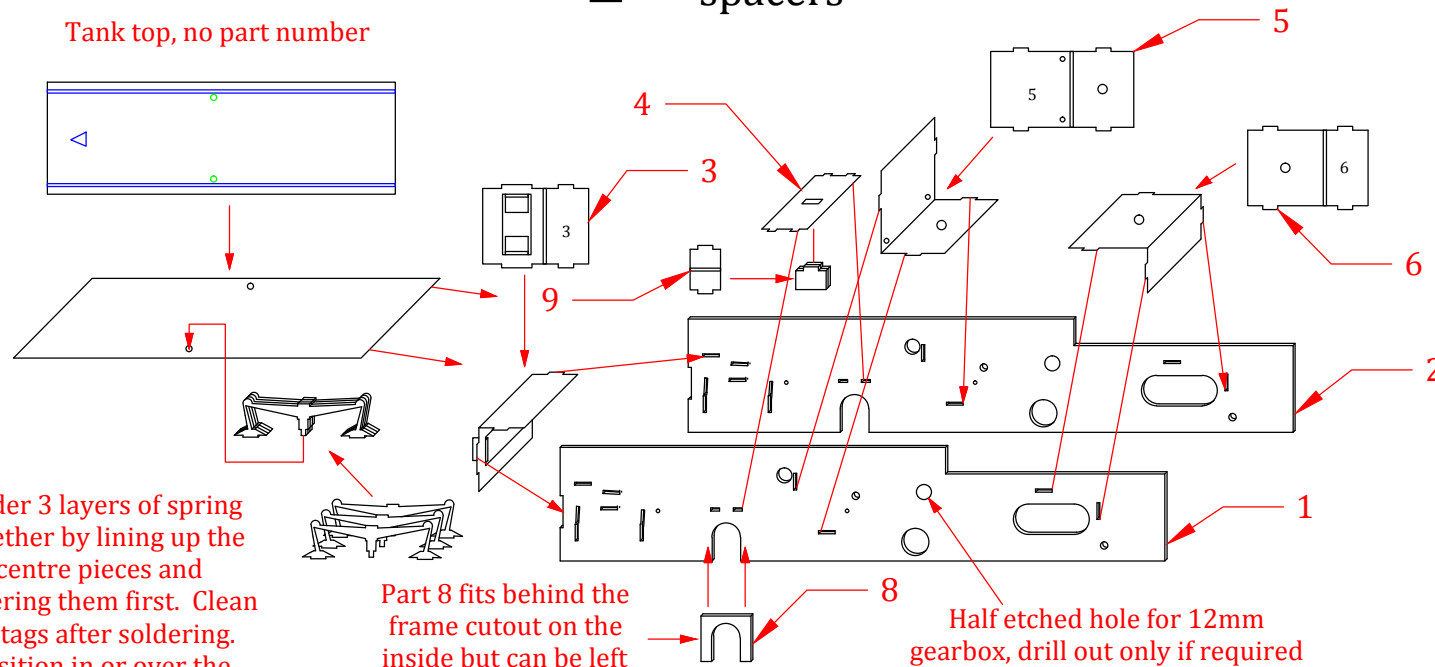


1 Frames and spacers

Tank top, no part number



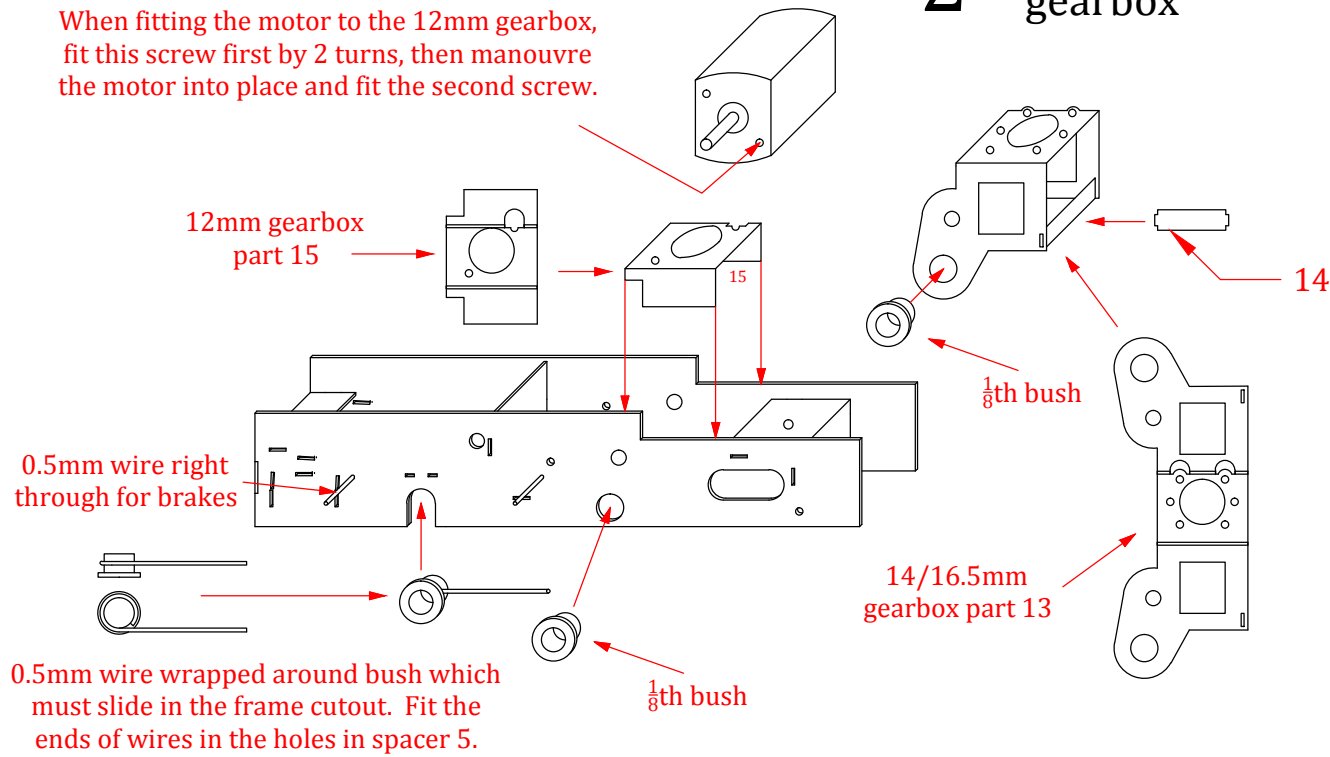
Solder 3 layers of spring together by lining up the centre pieces and soldering them first. Clean up tags after soldering. Position in or over the holes in the tank top.

Part 8 fits behind the frame cutout on the inside but can be left off if you wish

Half etched hole for 12mm gearbox, drill out only if required

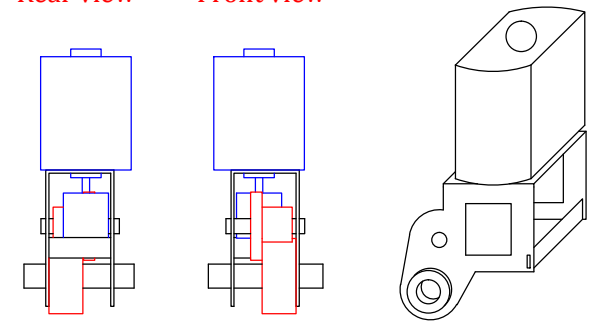
2 Motor and gearbox

When fitting the motor to the 12mm gearbox, fit this screw first by 2 turns, then manouvre the motor into place and fit the second screw.



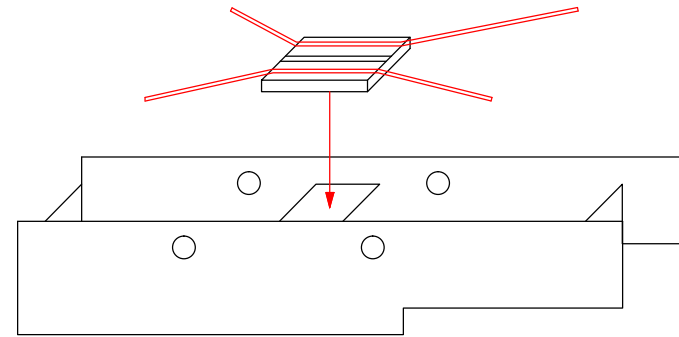
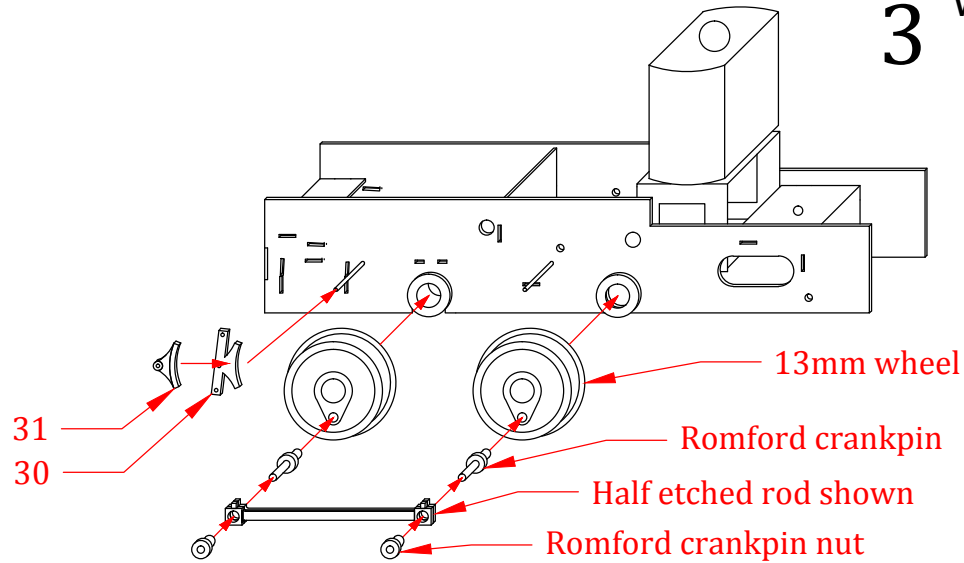
Rear view

Front view

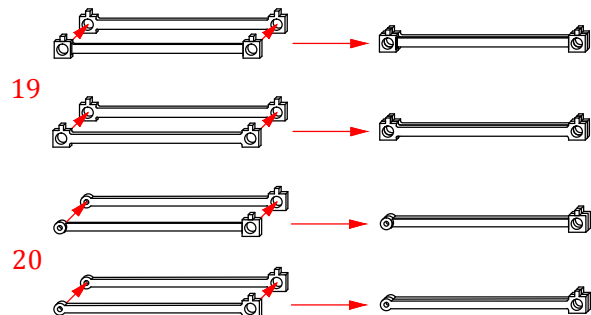


This is what the 14/16.5mm gearbox should look like, the 12mm one has the same layout but the gears are between the frames. Motor and worm are shown in blue and the reduction gears in red.

3 Wheels, rods & pick ups



Use PCB with a central gap filed into it. The PCB can be screwed in place, half etched hole in spacer, or glued directly to the spacer. Form pick up wires from 0.3mm PB wire.

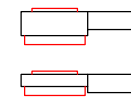


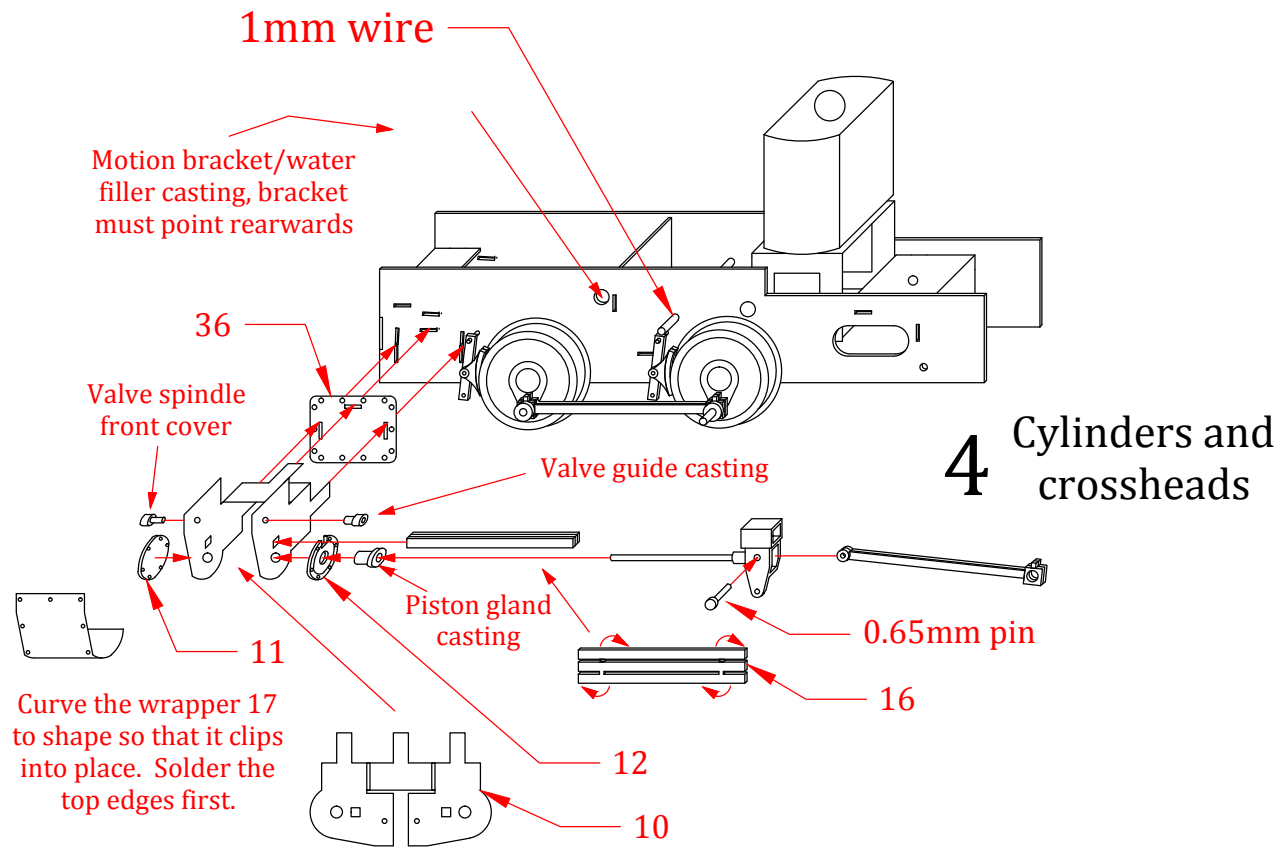
For an easy solution use 1 solid and 1 half etched coupling rod 19.

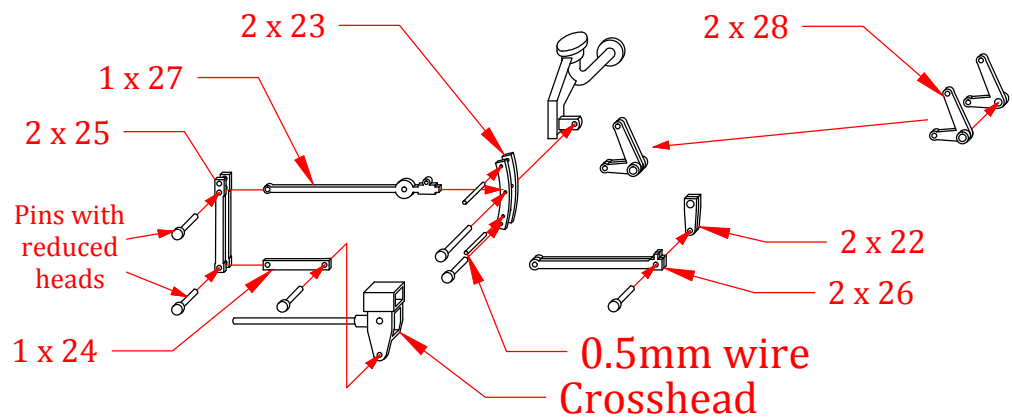
For prototypical side rods, use 2 layers of the solid ones and file to a round section.

Assemble the connecting rods 20 in the same manner

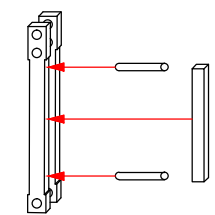
File rear bush to slightly longer than rod thickness. Front end of rod needs thinning to recess bush.



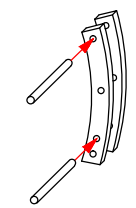
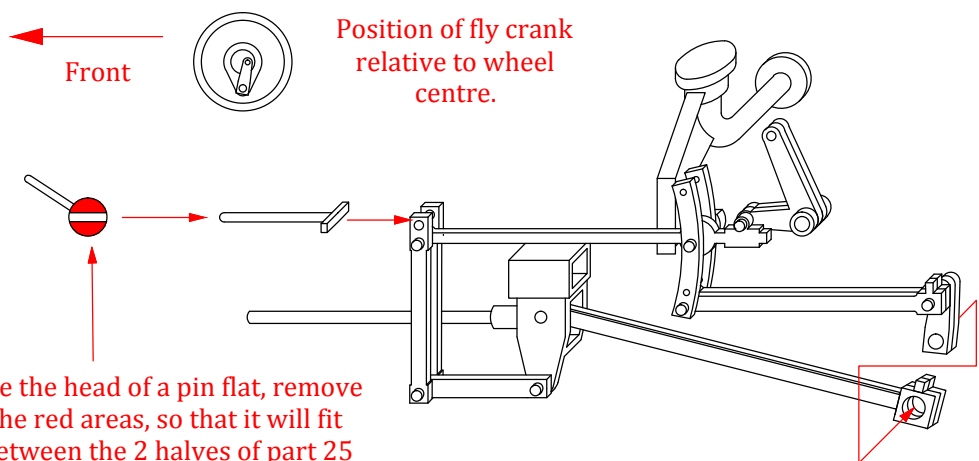




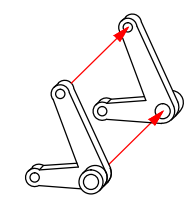
5 Valve gear



Combination levers part 25. These need to be assembled in pairs 0.5mm apart. You can use a piece of scrap etch between them or 2 pieces of 0.5mm wire, either will work.



Expansion links part 23. These need to be assembled 0.8mm apart so the radius rod 26 fits between. Use 0.5mm wire through the holes and a double thickness of scrap etch as a spacer.



Lifting link part 28. Fold the washers out and assemble 2 sets comprising 2 links and 2 washers, 4 layers thick at the pivot shaft.