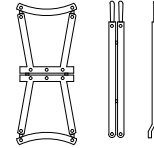


Fit lubricator to rear of chimney, shape pipe accordingly and fit hand wheels after fitting chimney

2 x 23, form a fork at the handle end for later type locking water filler

Original dome and water filler

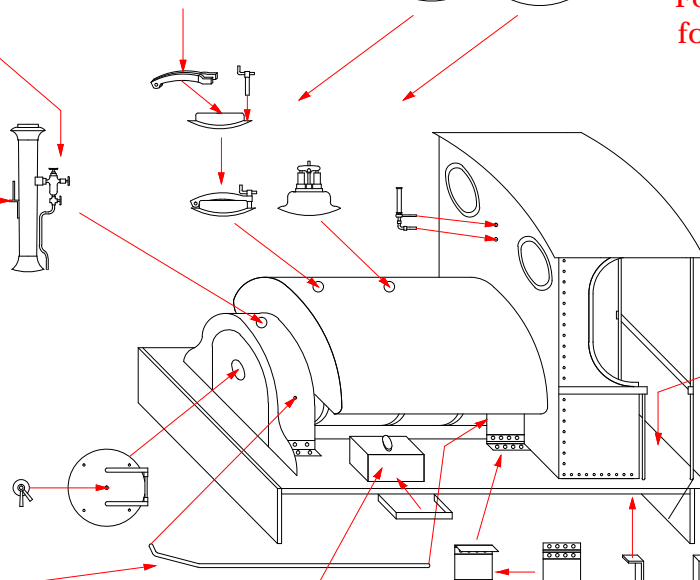
Fold frame 26 double and fold out top guides



22 folded as shown to form a lamp iron. The one on the cab rear is the same.

Fold lever 27 double and form fork at the bottom, 0.5mm wire for catch

4

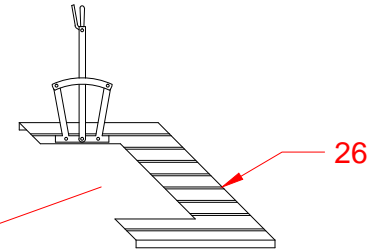


Blower pipe from 0.5 copper wire, the rear tucks behind the tank support.

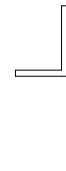
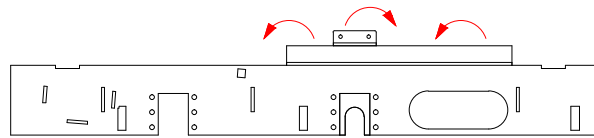
Fold sand boxes 29 and fit trim, solder to footplate.

20

Cab steps 22, fold as shown and fit under footplate, cannot be used on 16.5mm locos



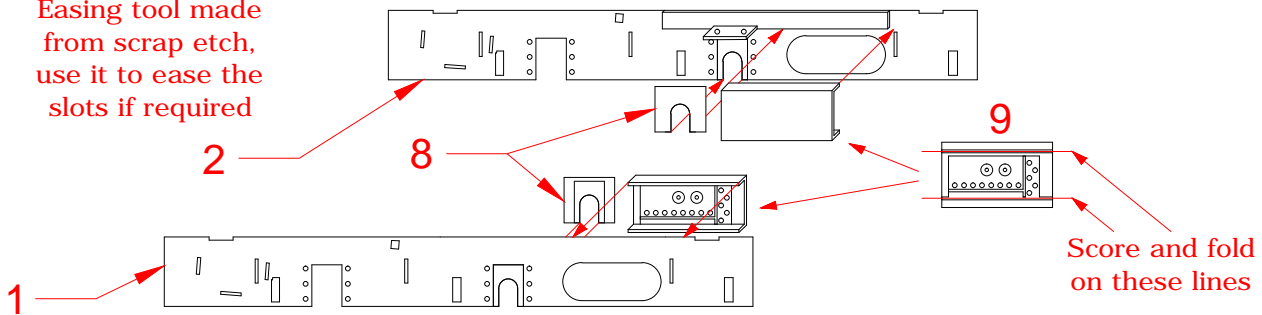
1



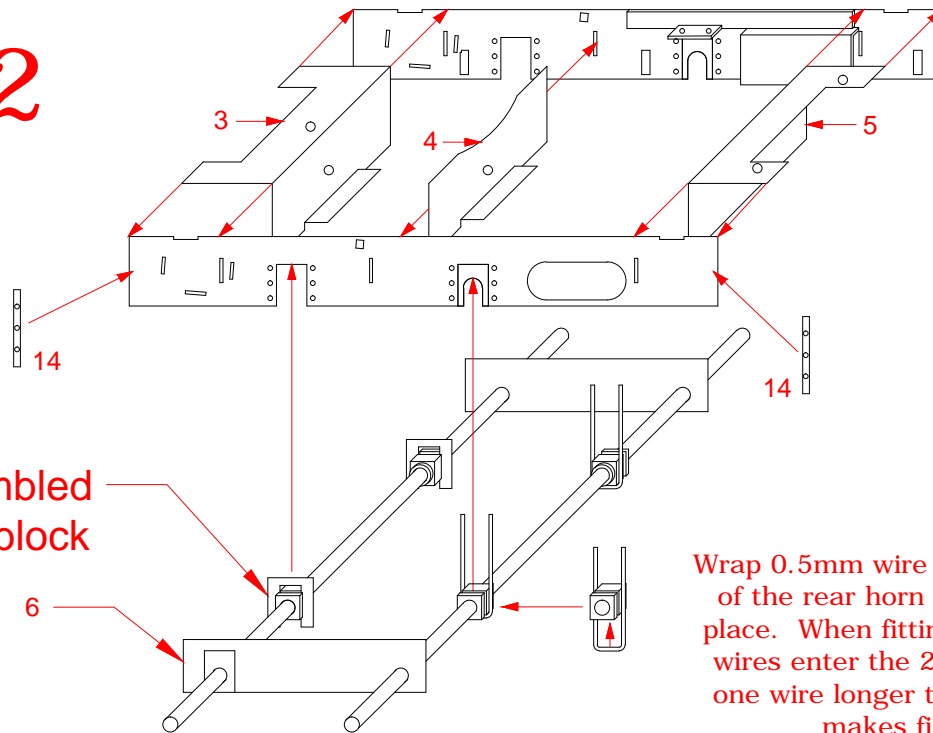
The end view should look like this with the tag protruding inwards



Easing tool made from scrap etch, use it to ease the slots if required



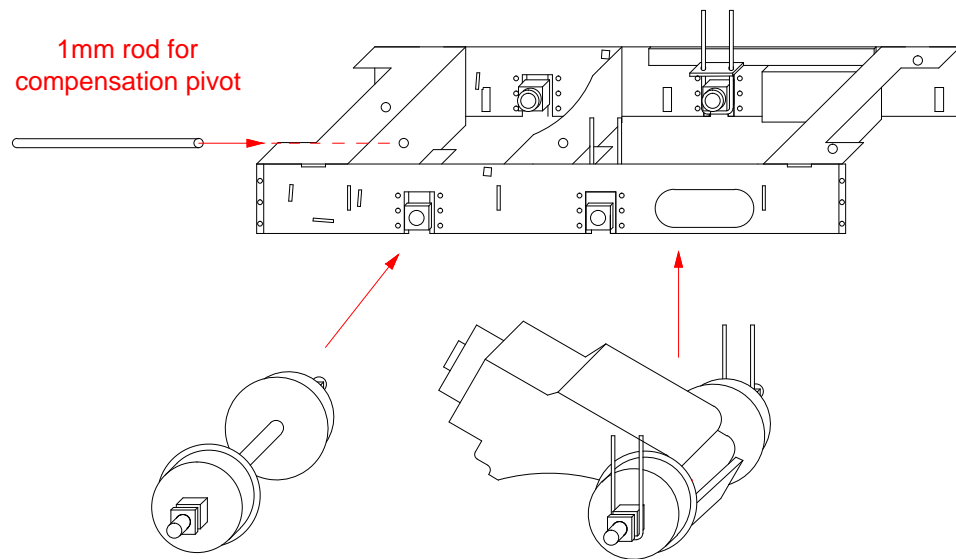
2



Assemble like this, shown here with long axes for clarity. If you can find springs to fit between the horn blocks they will hold things in place during soldering. Do all this with the frames upside down.

Assembled horn block

Wrap 0.5mm wire around the large part of the rear horn blocks and solder in place. When fitting the horn block the wires enter the 2 holes above. Make one wire longer than the other and it makes fitting easier.



3

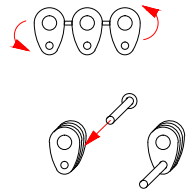
Wheels and axles shown assembled and ready for fitting, just the cranks need adding. The motor is shown at its fitted angle of about 20 degrees, it can be tilted either way during fitting. It does not need retraining, the wires will stop it moving around too much.

4

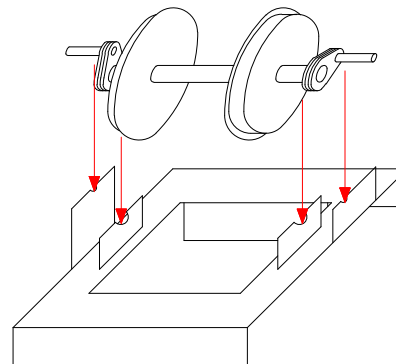
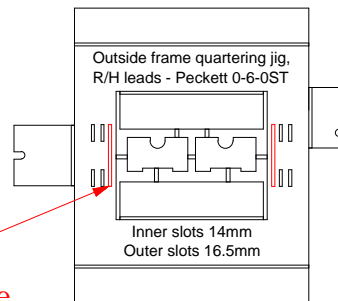
A way of cutting the shims so they can be clipped into place after assembly. Shims made of metal will open out slightly and will need squeezing tighter with the tips of 2 screwdrivers.



Builders to 12mm will need to position the supports about here.



Cut out the cranks 24 in threes, fold into a zig-zag and solder. Countersink the small hole and solder a 1mm screw into it. File the back flush and open out the large hole until it just fits on the axle. Clean up all round with files.

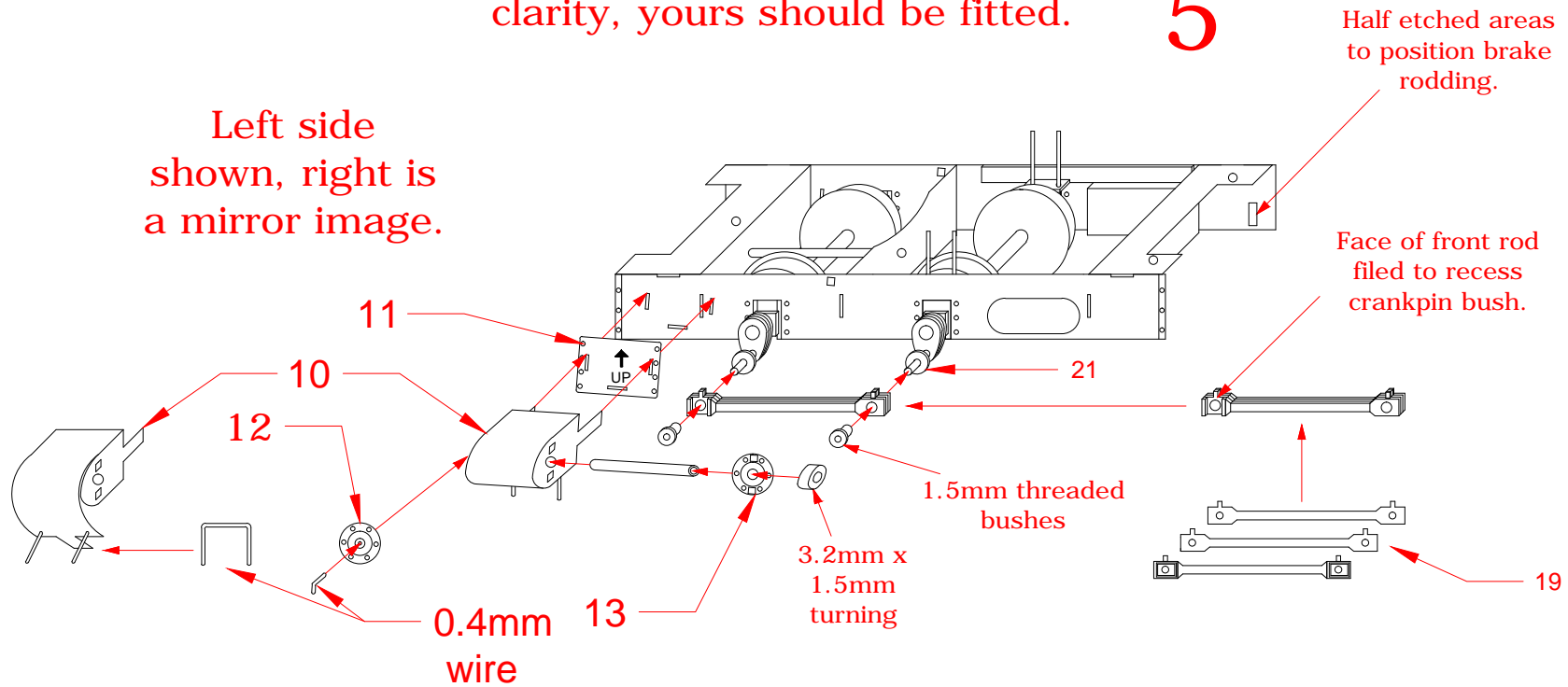


Assemble the quartering jig to the gauge you are using, 12mm builders will have to file the tags off the axle supports and position them 1mm nearer the middle. Assemble all the parts onto the axles and solder one crank to one end of each axle. Position one axle in the jig with the crank vertical, put the other crank in place and oil the axle supports. Flux the outside of the crank and solder in place.

Motor/gearbox omitted for clarity, yours should be fitted.

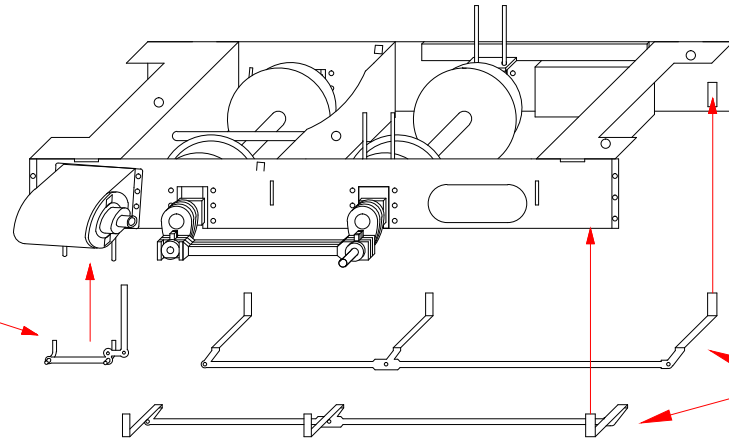
5

Left side shown, right is a mirror image.

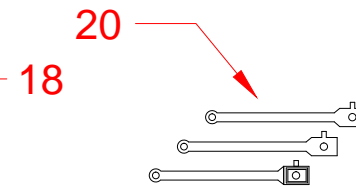


6

Bend wires to point outward and fit drain cock linkage 23. The vertical part goes behind the cylinder turning and can be soldered to it.



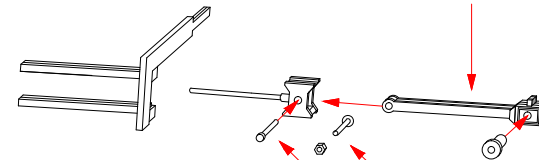
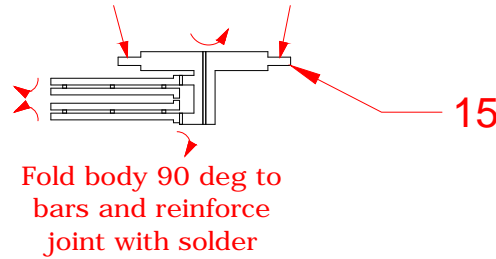
Motor/gearbox omitted for clarity, yours should be fitted.



18

Fold main body double and solder but do not solder these tags

Fold inner slide bar strips double and solder



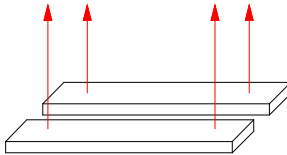
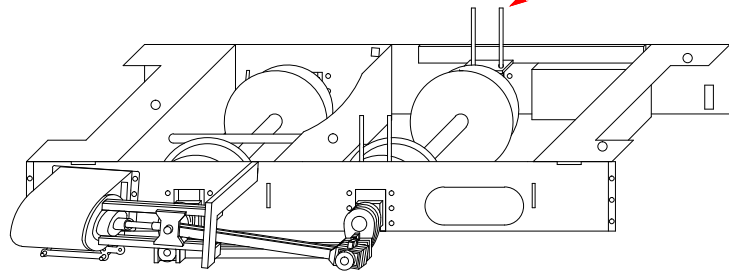
It should look like this when you are finished

Pin with reduced head from front or 14BA screw from rear.

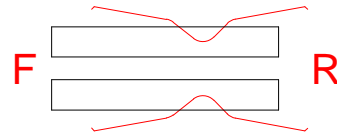
Motor/gearbox
omitted for clarity,
yours should be fitted.

After final assembly, cut these
wires shorter and bend over so
they are below the frame top

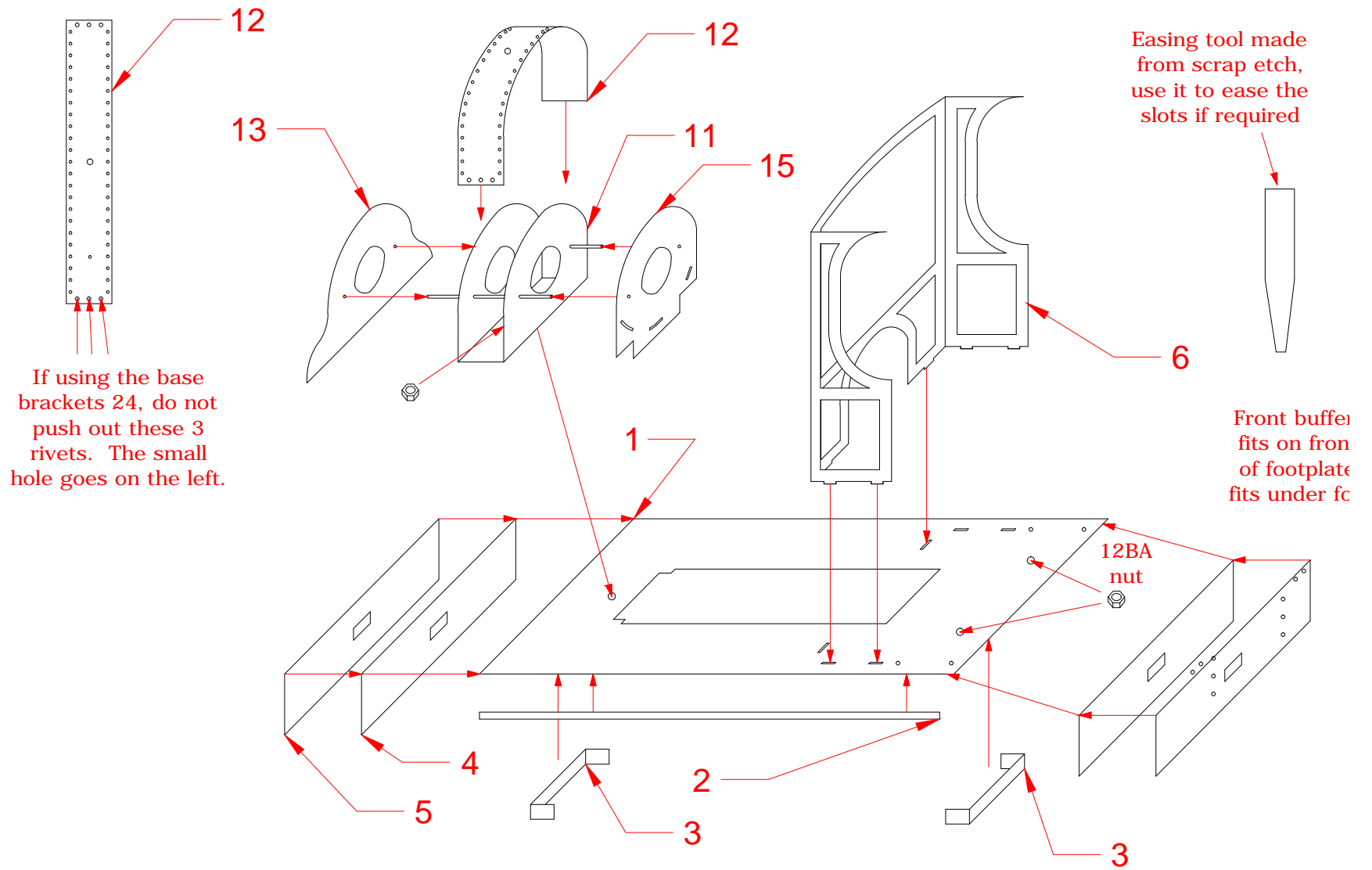
7

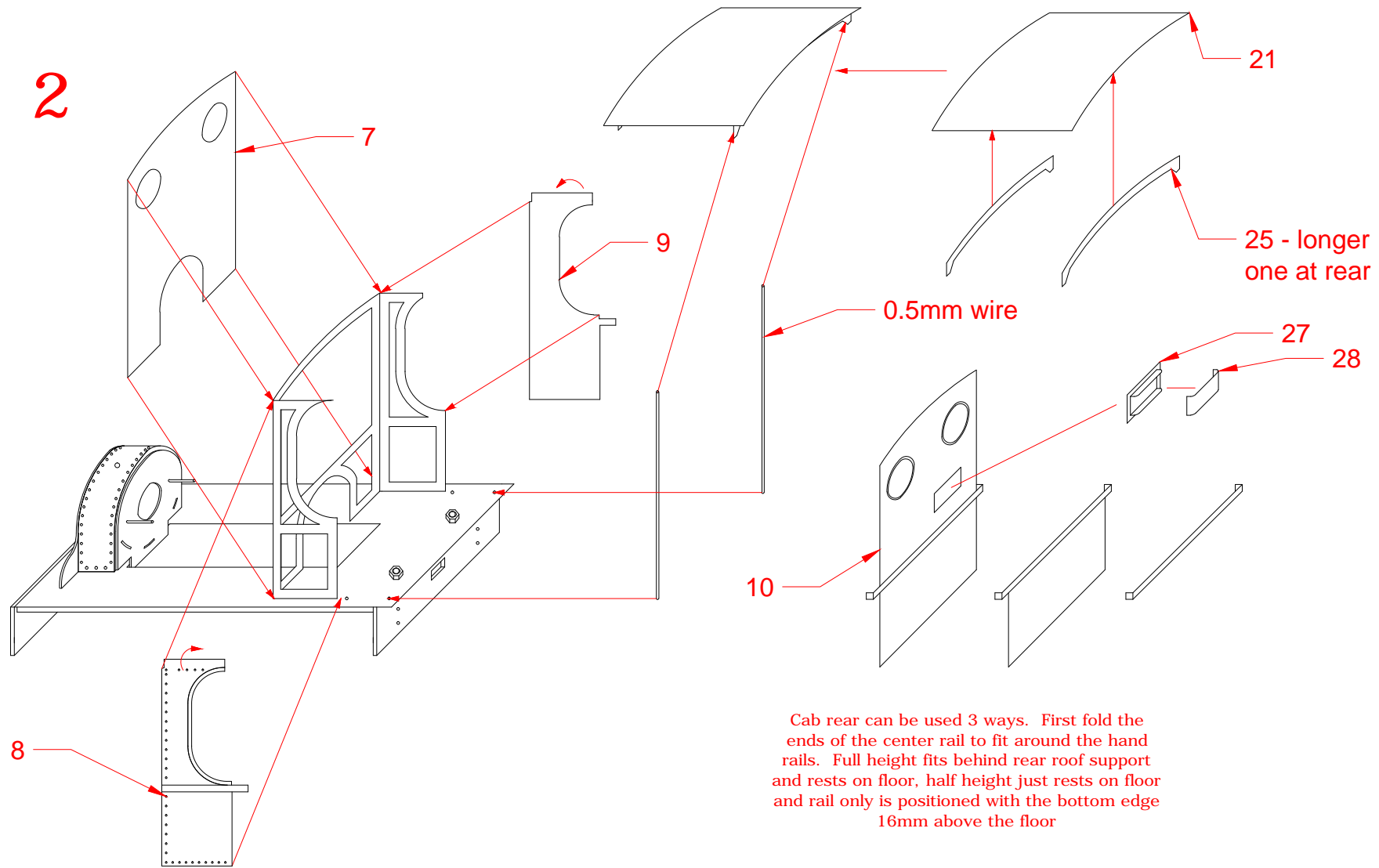


PCB for pick ups, glued
to folded over strips on
front and centre spacers



This is a good layout for the
phosphor bronze pick up
wires, viewed from below





Cab rear can be used 3 ways. First fold the ends of the center rail to fit around the hand rails. Full height fits behind rear roof support and rests on floor, half height just rests on floor and rail only is positioned with the bottom edge 16mm above the floor