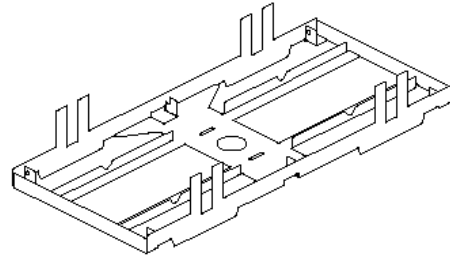
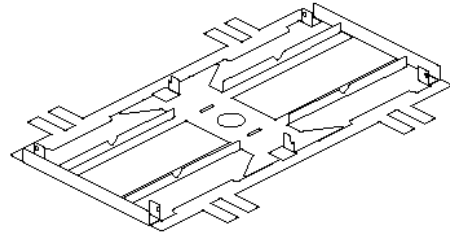


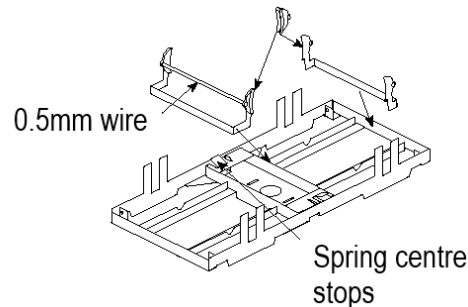
**Pair of L&YR 8' wheelbase
early pattern carriage
bogies**

**With conventional external
springs and axleboxes. May be
built sprung or solid. Waisted
bearings required.**

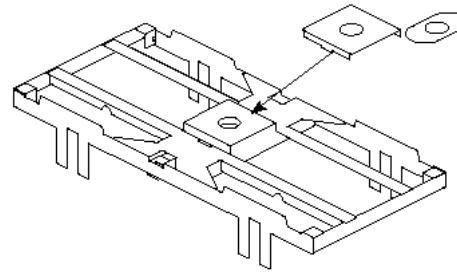
Assembly Instructions:



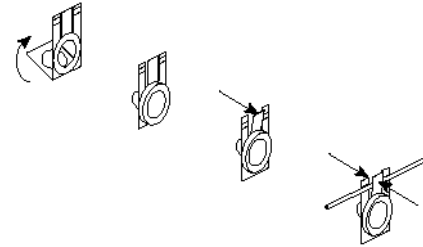
Fold the frames squarely as shown. The frame ends need to be shortened, as marked by the half-etched lines. Reinforce the fold lines with a fillet of solder. Do not fill the slots at the ends of the longitudinals as these are needed for the brake assemblies.



Fold up the brake shoe stretchers as shown. Laminate shoes either side of the stretchers, using the supplied 0.5mm wire cross shafts for alignment. Fix the shoe assemblies to the frames.



Add the pivot plate and any packing washers as shown.



Fold up the bearing carriers as shown. Solder in the waisted bearings, then push the top tabs forward slightly. Thread two carriers onto a length of the supplied spring wire and gently squeeze the tabs with pliers to hold the carriers in place.

Thread the spring wires through the end carriers and adjust the bearing carrier positions in the guides. Add the wheels and press the spring centre stops down against the side frames to retain the springs, Trim off any excess spring wire, ensuring that sufficient wire remains so that the ends cannot fall out of their supports.

On the solebar detailing frets, punch out the half-etched rivets from the rear. Bend the upper strip towards

the front detail to form the bulb iron effect.

The solebars should now be attached to the bogie frames followed by the spring/axlebox castings. Ensure that the bearing carrier movement is not hindered, opening out the hole at the rear of the axlebox if required. The bolster springs are placed at the centre of the bogies adjacent to the solebar. This component will be in line with the spring centre stop and will need to be filed to fit.

Secure the bogies to the carriage underframe with the 8BA fixing screws and nuts provided.

is part of

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