The upper layer fits between the outer ring small tabs and should align with the lower layer at the small etched hole (on test versions the upper layer alignment line was incorrectly positioned it should be about 1mm to the right. The test versions do not have indicators of the crossing angle etched into the lower jig layer)

Use of the jig

Using at least 2 small strips of PCB and chairs as props - locate the crossing nose between the flaps, the rails should not go beyond the crossing point (small etched hole in the base layer).

** For smaller crossing angles it will be better to use 3 PCB Strips under the nose not two, although the wing rails need not extend the extra distance.

If necessary adjust the crossing angle until it aligns with the crossing nose. Solder the crossing nose to the PCB strips - make sure no solder will impede the addition of the wing rails.

Prepare a third PCB strip to prop up the wing rails and add chairs (or more PCB strips). Use a flangeway gauge to locate the wing rail at the correct distance from the crossing nose. Then solder a wing rail to the nose crossing PCB strips and the third strip. Repeat for the second wing rail.

Remove the assembly from the jig and trim back any projecting PCB strips.

Cut full chairs as necessary to locate the crossing as well as applying all other rail chairs.