

## UM3 UNDERFRAME for LMS 50' CARRIAGES

### Assembly instructions

1. Remove the parts from the fret, including those which are etched within the floor area, but **do not** remove the angle trussing.
2. This underframe provides for 50' prototypes. Drill out the bogie centres to give clearance for M2.5 screws.
3. Bend up the edge of the floor and reinforce with a fillet of solder.
4. Offer up the underframe to the coach end/sides/roof assembly, and fettle the ends of the floor if necessary to achieve a drop-in fit. If you are using COMET MODELS ends refer to the separate instructions supplied with them.
5. Fold the bottom lip of the solebars and reinforce with a fillet of solder applied from the rear. Fix the solebars to the floor through the etched slots and locating tabs, taking care to ensure that they are vertical. The buffer beams from the COMET MODELS end pack are next fitted to the ends of the solebars.
6. Detach the angle trusses from the floor **at the outer ends only**. Fold the angle trusses down from the floor, and fix to the inside face of the solebars. Note that on underframes adaptable to more than one coach length it is possible for strict accuracy to bend the diagonals slightly at the queen posts to alter the angle and reach before finally fixing the outer ends to the solebar in the desired position.
7. The remaining underframe detailing can be carried out in any sequence. Drill the 'V' hanger cross rod holes 0.75mm then fold them up and fix in position. Stepboards may be fashioned from the outer frame of the etch. The position of the stepboards is given on the underframe plan contained in the coach sides pack. We suggest they are fixed by drilling through the solebar face and inserting 0.45mm. wire supports to which the stepboard is then soldered.

