

UE3 UNDERFRAME for LNER 51'1" & 52'4" 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 is suitable for both 51'1" & 52'4" carriages, so select the length required and if appropriate remove the excess floor area at each end as indicated by the dotted half-etched lines. Select the appropriate bogie centre positions and drill clearance holes for M2.5 screws.
3. For full length Gresley passenger stock and for Thompson stock bend up the edge of the floor and reinforce with a fillet of solder. For brake ended Gresley coaches part of this upstand will need to be removed. Measure the body shell from the inside of the brake end to the part bulkhead at the start of the passenger section and add 5mm to this dimension. Measure this dimension from the brake end of the underframe then mark, cut through and remove the part of the upstand **at the brake end only**, leaving the portion at the passenger end in place. Bend up and reinforce with 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. If you are building an angle trussed underframe detach the angle trusses from the floor **at the outer ends only**. If you are using our product C31 to build a turnbuckle type underframe proceed as described in the product instructions and leave the angle trusses in place. Fold the angle trusses down from the floor, and fix to the inside face of the solebars. The diagonals can be bent 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 to 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.

