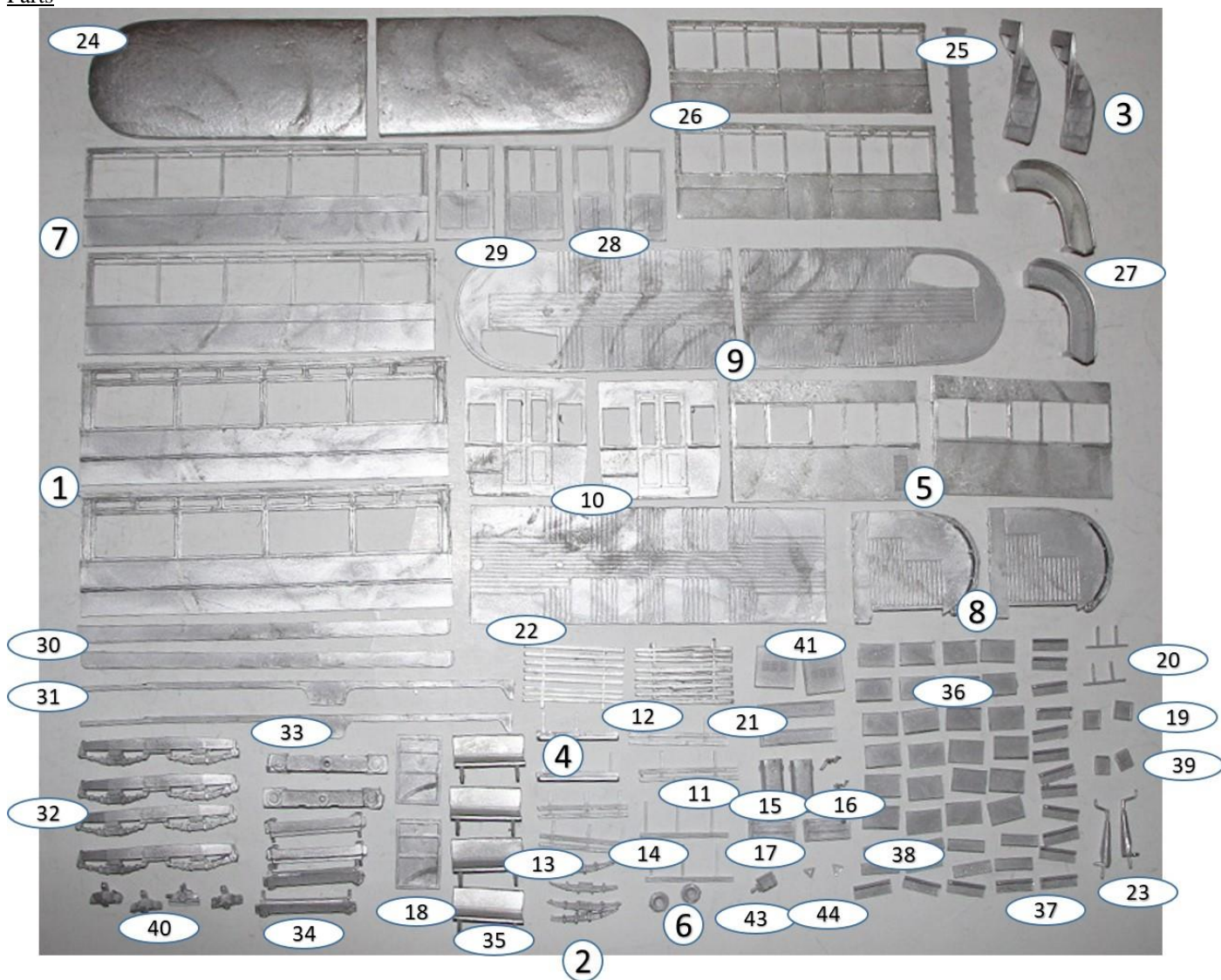


# KW Trams

## KW 115 Liverpool 762

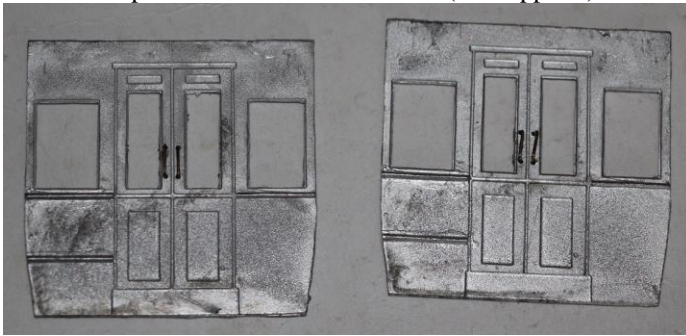
### Parts



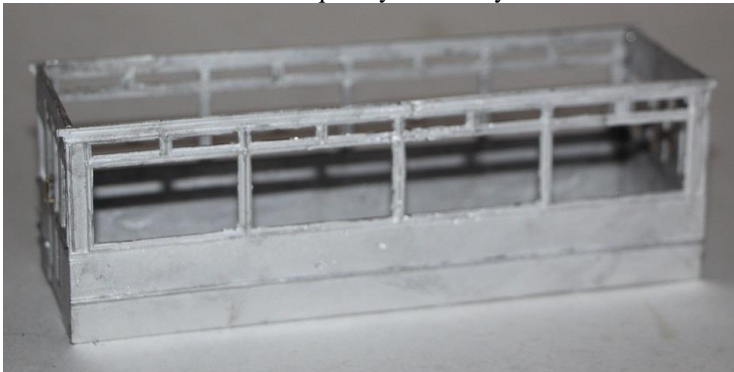
1. Tram lower side	x2	23. Handbrakes	x2
2. Monomotor bogie spring side	x4	24. Roof (half)	x2
3. Stairs	x2	25. Trolley plank	x1
4. Step	x2	26. Upper vestibule	x2
5. Driver vestibule	x2	27. Balcony seat	x2
6. Headlamp	x2	28. Narrow upper deck partition	x2
7. Upper sides	x2	29. Wide upper deck partition	x2
8. Platform	x2	30. Early side valance	x2
9. Upper floor	x2	31. Later side valance	x2
10. Lower deck bulkhead	x2	32. EMB bogie sides	x4
11. Life guard	x2	33. EMB bogie tops	x2
12. Life tray	x2	34. EMB bogie ends	x4
13. Side lifeguard	x2	35. Lower deck end seats	x4
14. Under step lifeguard	x2	36. Seat pads	x24
15. Controller	x2	37. Upper deck seat back pads	x16
16. Controller handles	x2	38. Lower deck seat back pads	x8
17. Early 2 line destination boxes	x2	39. Used ticket boxes	x2
18. Later 3 line destination boxes	x2	40. EMB bogie track brakes	x4
19. Early destination letter boxes	x2	41. Side window filler	x2
20. Additional window frames	x2	42. Etched brass double seats	x24
21. Side window destination boxes	x2	43. Canopy switch	x1
22. Floor	x1	44. Warning triangle	x2

### Build Steps

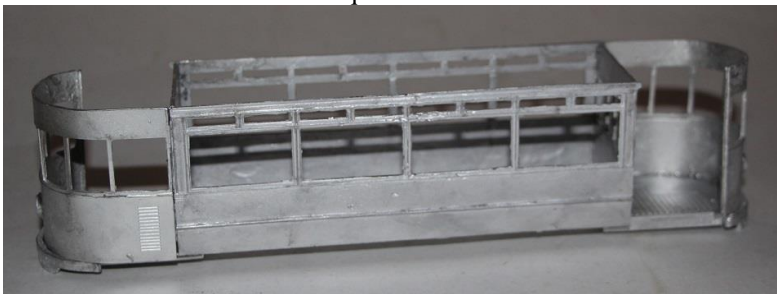
1. Make up the door handles from wire (not supplied) and fit to lower bulkhead doors.



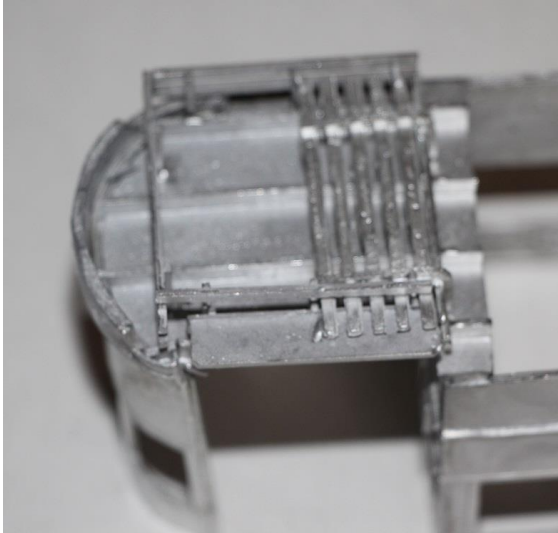
2. Fix bulk heads to sides squarely and marry all subassemblies to produce a box.



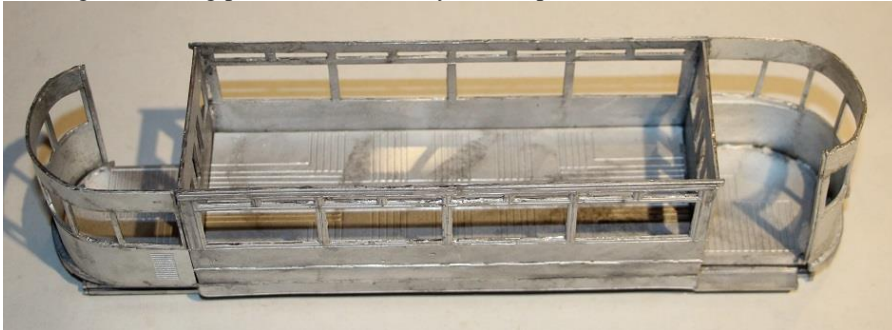
3. With model inverted, attach platforms to bottom edges of bulkheads; ensuring the lip is within the body and not on the platform.
4. Carefully bend the driver vestibules to fit the curve of the platform and fit to platform. Fit the headlamps centrally to the dash. Fit the side window filler to the driver vestibule window closest to the bulkhead if required.



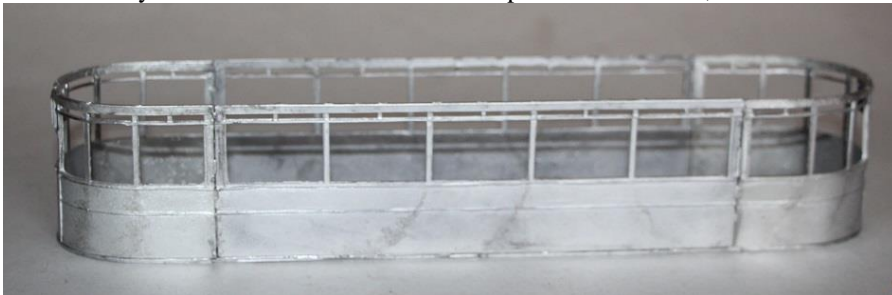
5. Turn model over and attach the under-gear – steps, front life guards under the front of the platform, under step lifeguards, side lifeguards and the life trays near the back edge of the platform. Fit the appropriate style of side valance.



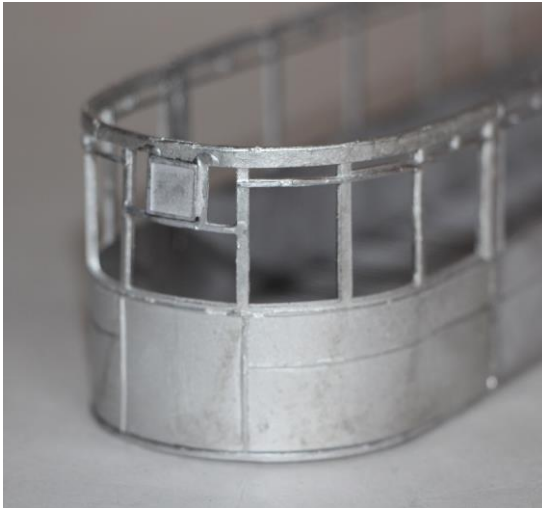
6. Trim the floor to size as required, then fit at the appropriate height to suit the bogies. The bogie mounting points are marked by the dimples in the floor, drill these out if required.



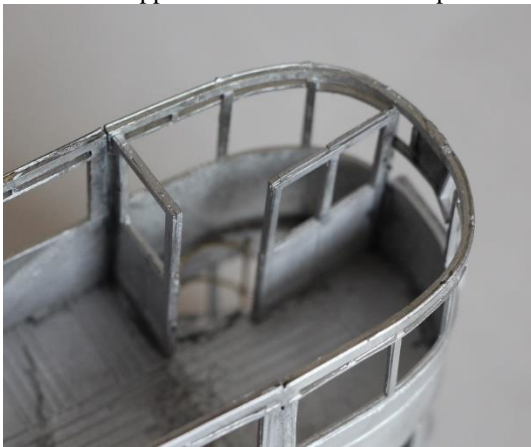
7. Fix the ceiling/upper deck floor pieces together. Don't fit to the lower deck until you have completed the interior.
8. Attach upper deck sides centrally to the sides of the floor.
9. Carefully bend vestibule ends to fit the shape of the floor end, then fit to the floor.



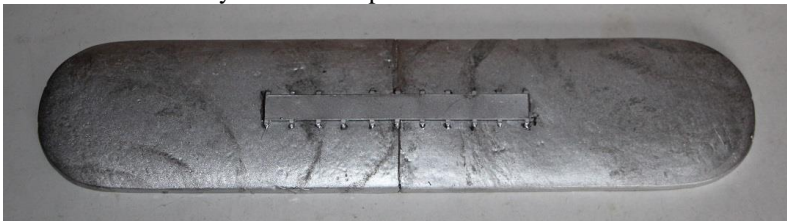
10. If required, fit the additional window frames and destination letter box to the top of the middle vestibule window.



11. Fit the upper deck narrow and wide partitions.



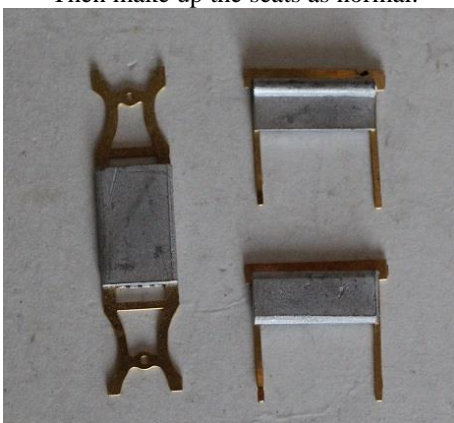
12. Fix the two halves of the roof together and fit the trolley plank centrally. Don't fit the roof to the model until you have completed the interior.



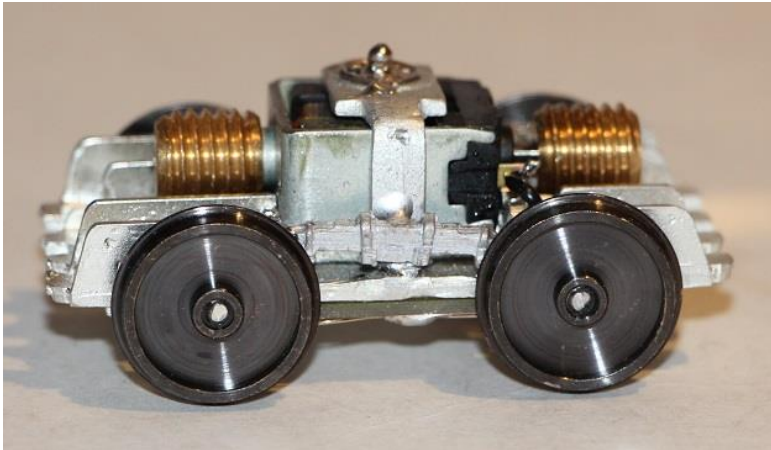
13. Fit the stairs unless you wish to paint them first.

14. Make hand rails from 1mm wire.

15. Fix the seat pads to the etched brass seats. Fit the seat back pads to the etched brass seat backs. Then make up the seats as normal.



16. If modelling the early style with monomotors, fit the springs behind the wheels.



17. If modelling the later style with EMB bogies, fit the bogie ends to the bogie, and the bogie sides to the ends. Fit the track brakes below and behind the middle of the bogie sides. Fit the bogie top bars if required

