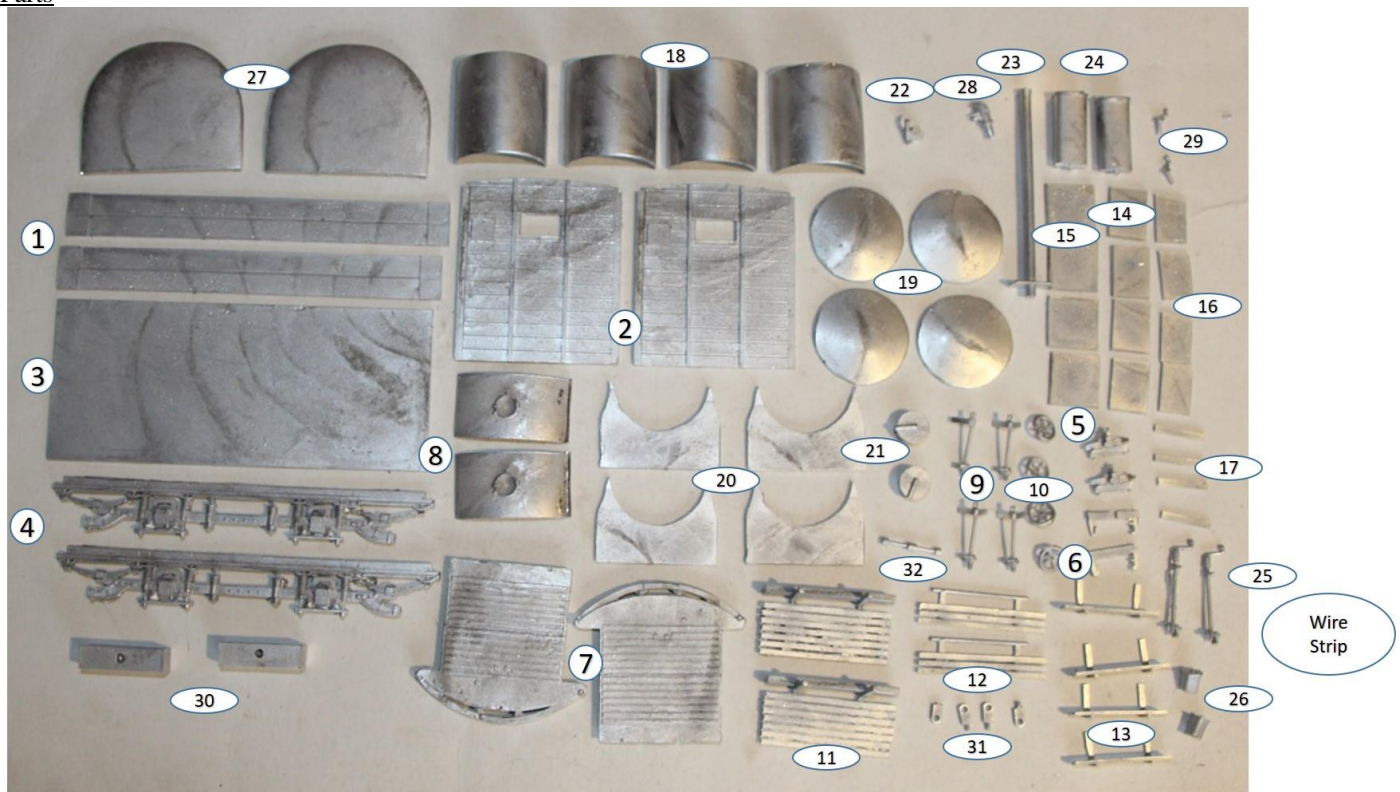


KW Trams

KW 122 London Transport Class L 013/014

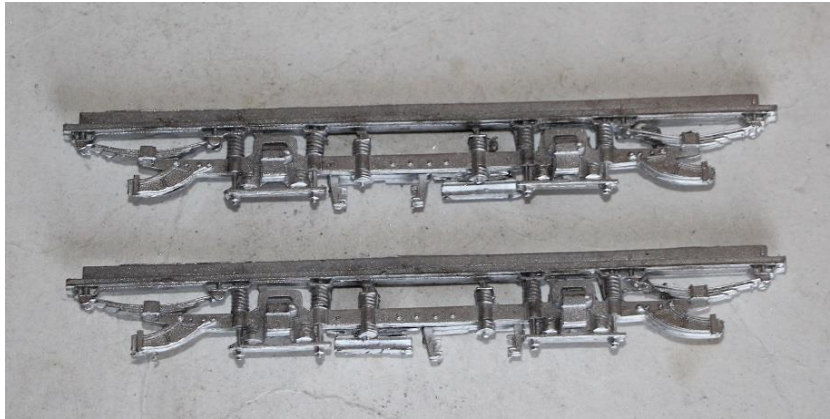
Parts



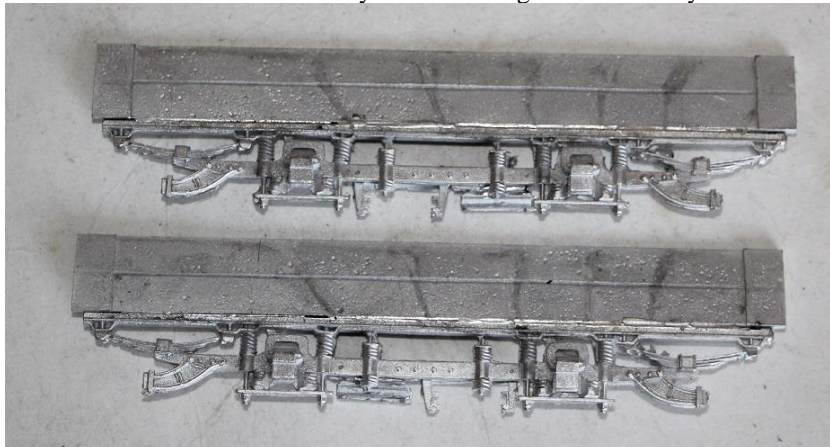
1. Sides	x2	19. Tank end	x4
2. Bulkheads	x2	20. Tank support	x4
3. Floor	x1	21. Tank filler cap	x2
4. Truck sides	x2	22. Trolley mast top	x1
5. Grinder block	x2	23. Trolley mast	x1
6. Plough carrier	x2	24. Controller	x2
7. Platform	x2	25. Handbrake	x2
8. Dash	x2	26. Conduit switch	x2
9. Grinder standards	x4	27. Cab roof	x2
10. Grinder handwheels	x4	28. Trolley pole end	x1
11. Lifetray	x2	29. Controller handles	x2
12. Lifeguard	x2	30. Motor mounting blocks	x2
13. Step	x4	31. Lifeguard mounts	x4
14. Box back	x4	32. Tank pipe	x1
15. Box top	x4	33. Metal strip	
16. Box side	x4	34. Thin wire	
17. Box front	x4	35. Plastic strip	
18. Tank half	x4	36. Wire for trolley pole	

Build Steps

1. Fit the grinder blocks and plough carriers behind the cross beams on the truck sides. Remember to match them on opposite sides, so on one truck side the plough carrier is on the left and on the other it is on the right.



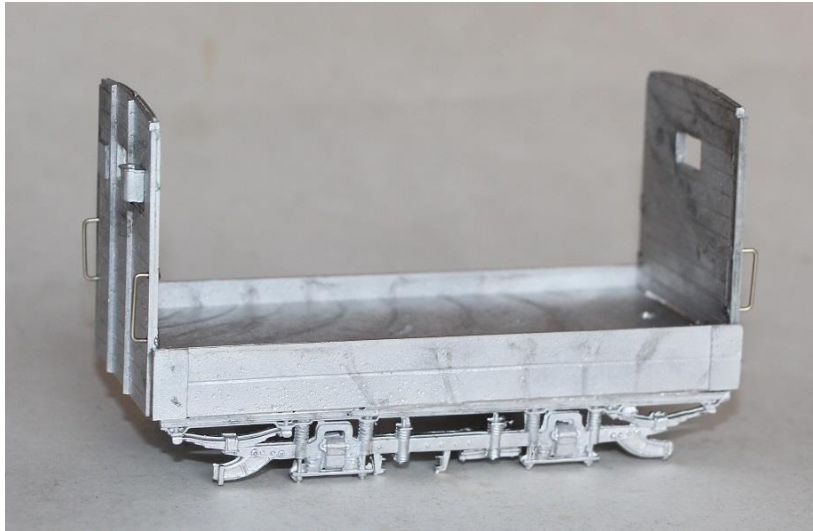
2. Attach the truck sides to body sides ensuring exact centrality.



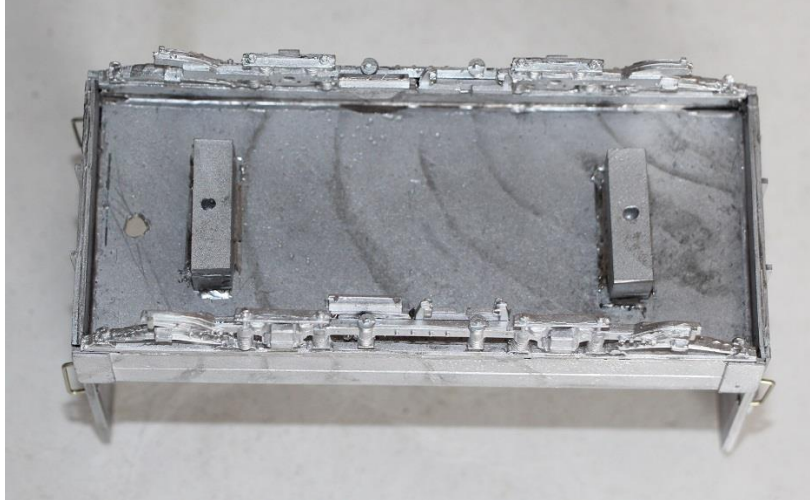
3. Make up handrails from wire and fit to bulkheads. Fit the conduit switch to the bulkheads to the right of the window.



4. Fix bulk heads to sides squarely and marry subassemblies to produce a box effect. Use the floor to make sure that it is all square.
5. At this stage you need to decide what motor you are going to use because that affects where you will fit the floor. Fit the floor in place.



6. If using the KW motor, fit the motor mounting blocks in the correct places.

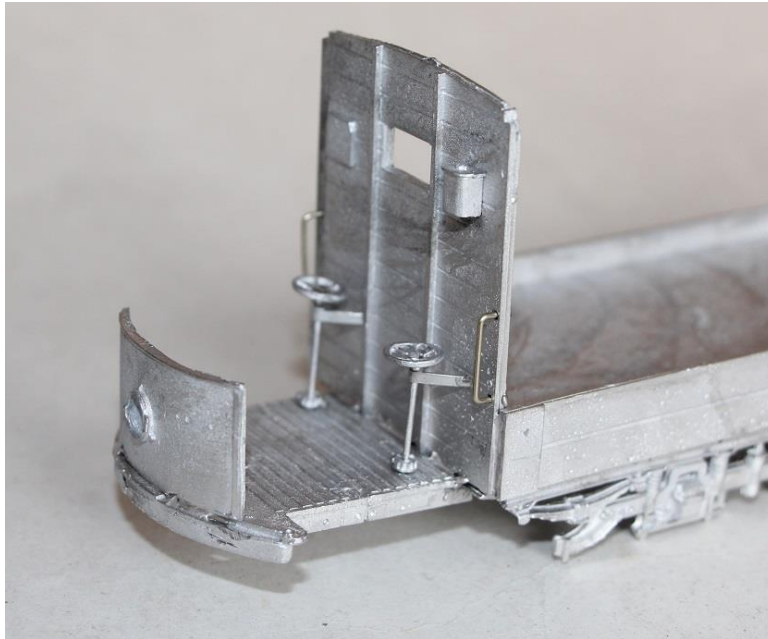


7. With model inverted, attach platforms to bottom edges of bulkheads with the back edge of the step cut outs flush with the bulkhead.

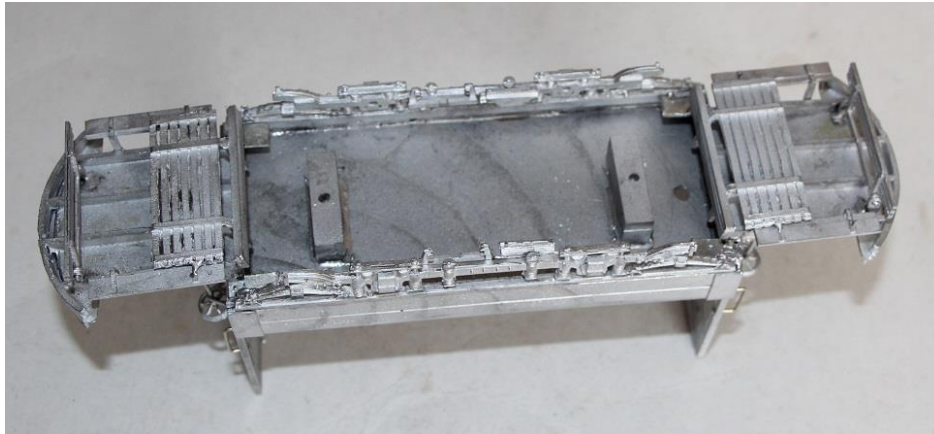
8. Bend the dashes to match the shape of the platform and fix in place.



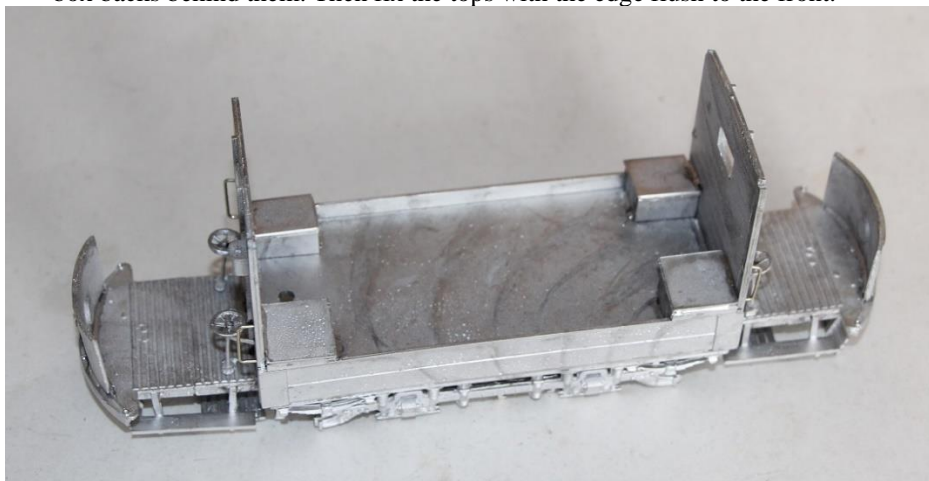
9. Fit the grinder standards and handwheels on the platforms.



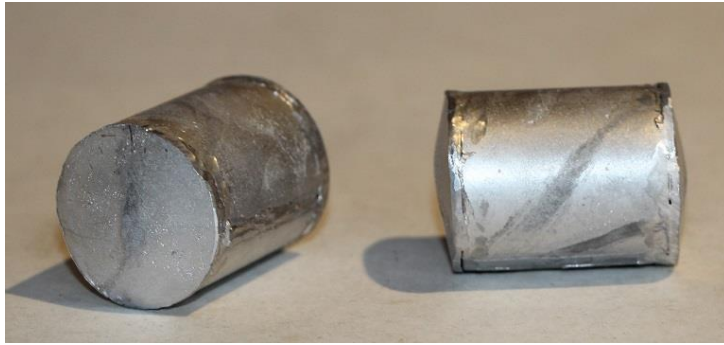
10. With model inverted, fit the steps, front lifeguards and the lifetrays, adjusting the height to suit the truck sides.



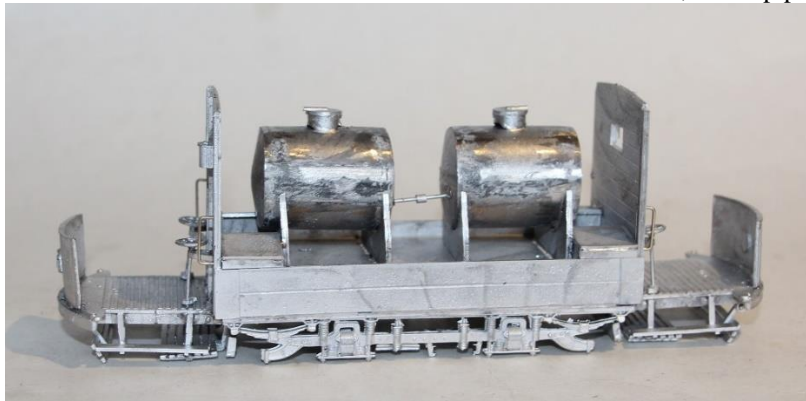
11. Fit the box fronts on the top edges of the sides adjacent to the bulkheads. Cut the box sides and backs down to suit the height of the floor. Fit to the sides to the outer edge of the fronts and the box backs behind them. Then fix the tops with the edge flush to the front.



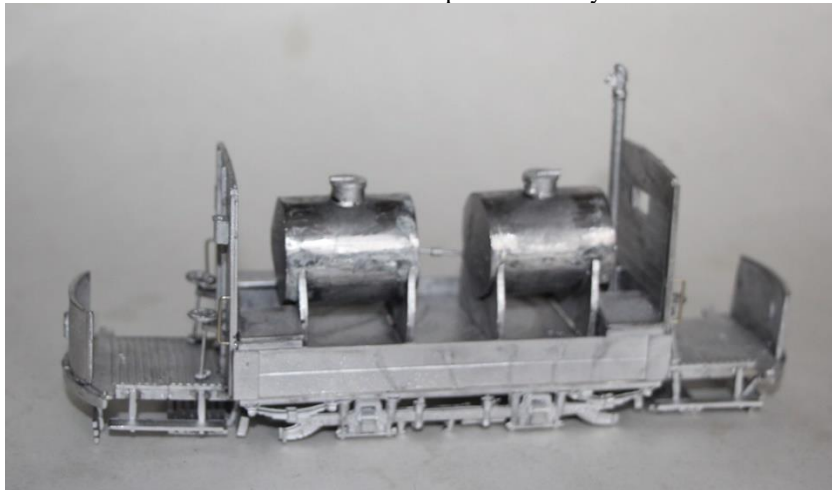
12. Solder the halves of the tanks together then fit the ends.



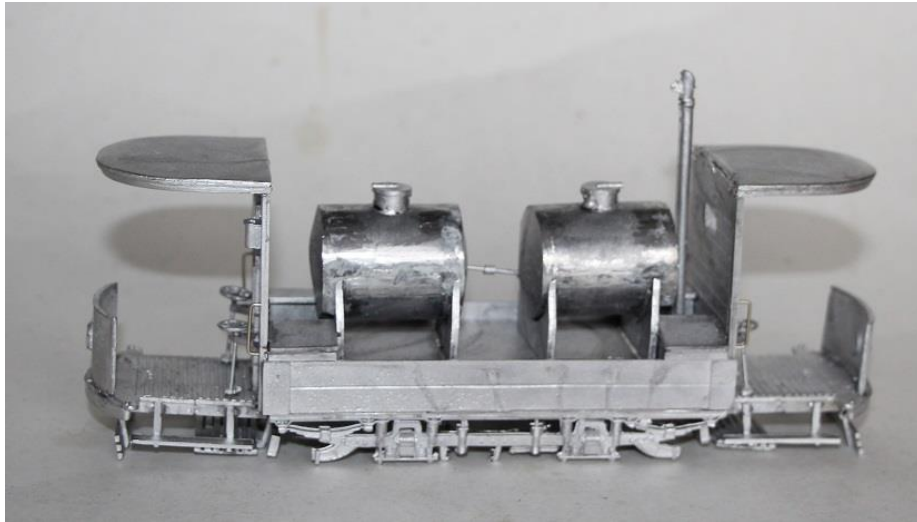
13. Check that the tanks fit in the supports and file the supports if required. Cut down the supports to suit the height of the floor, but make sure the tanks will still fit above the boxes. Then fix one support centrally against the boxes at one end. Fit the second support at the end of the straight section of one of the tanks with the tank seams along the sides. Fit the tank into the other support. Repeat for the other tank. Fit the caps centrally to the tops of the tanks with the raised strips in line with the centre of the tram and towards the ends. If wanted, fit the pipe between the tanks.



14. Drill a hole in the floor to take the trolley mast base, and fit it against the bulkhead on the middle line of the tram. Drill a hole in the top of the trolley mast to take the trolley mast top and fit.



15. Fit the cab roofs to the top of the bulkheads.



16. Make up roof supports and bulkhead supports and fit. Drill a hole in the trolley pole head and the trolley mast top. Cut brass wire to appropriate length and fix the trolley pole head to it, then fit to trolley mast head. Make up the trolley pole hook and fit.
17. Make up the trolley mast support from metal strip and fit at the top of the bulkhead.

