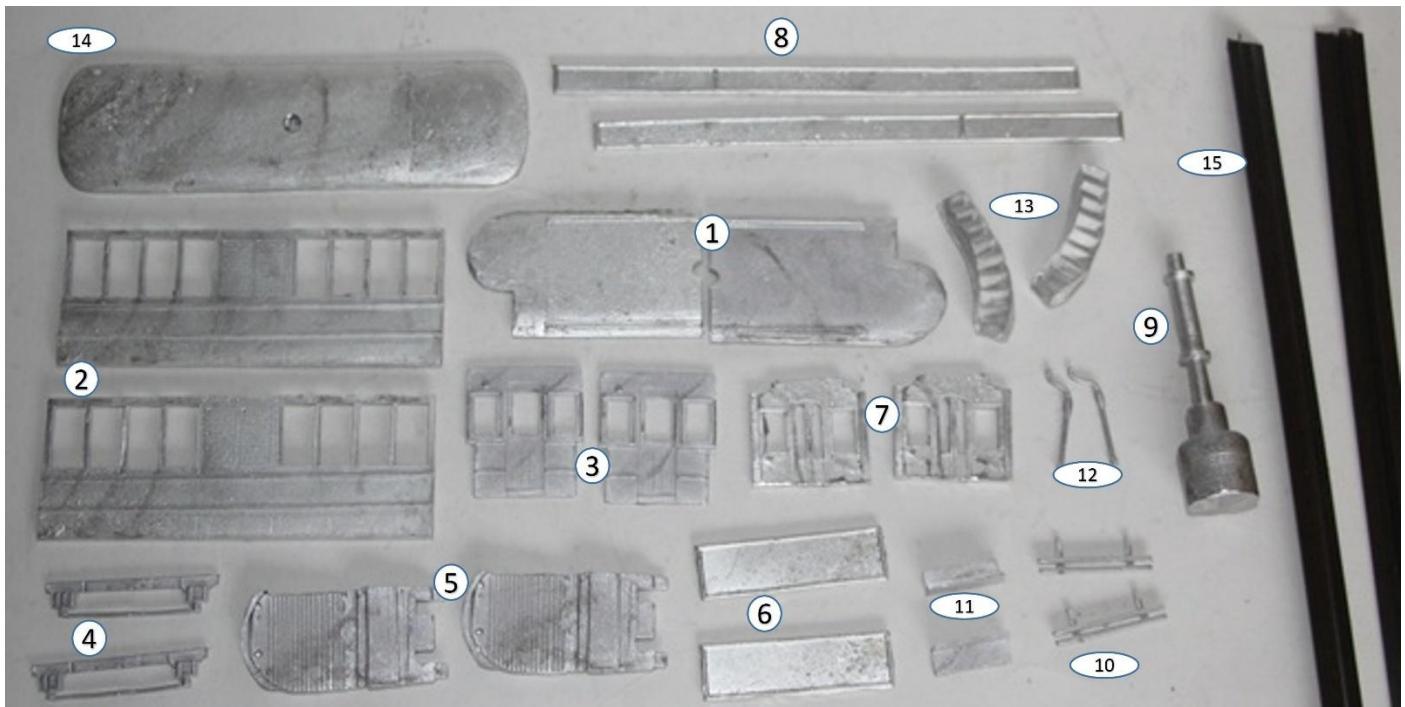


## KW Trams

### **KW 080 Portsmouth / Portsdown & Horndean Light Railway LIFU car**

#### Parts



- |                      |    |
|----------------------|----|
| 1. Upper floor       | x2 |
| 2. Tram lower side   | x2 |
| 3. Lower bulkhead    | x2 |
| 4. Truck side        | x2 |
| 5. Platform          | x2 |
| 6. Dash              | x2 |
| 7. Inner bulkheads   | x2 |
| 8. Upper sides       | x2 |
| 9. Boiler            | x1 |
| 10. Front life Guard | x2 |
| 11. Steps            | x2 |
| 12. Handbrake        | x2 |
| 13. Stairs           | x2 |
| 14. Roof             | x2 |
| 15. Seating strip    | x1 |

#### Build Steps

1. Attach the truck sides centrally to the saloon sides. Note, the rods are quite delicate, I replaced mine with brass rod instead.



2. Fix one bulkhead square to each side, then join the two sub-assemblies together to create a box.



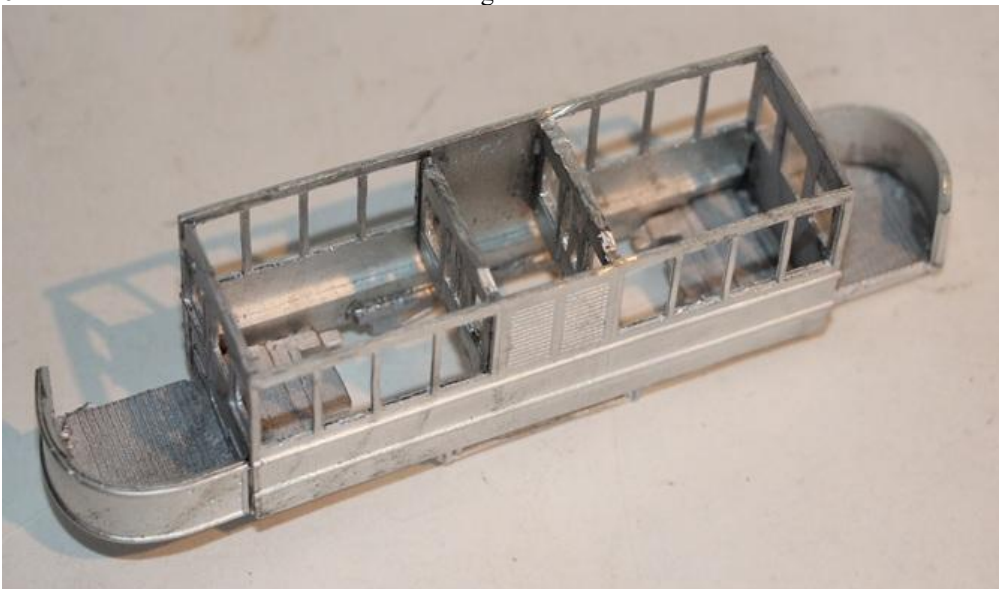
3. Attach the platforms under the bulkheads flush with the left hand side of the saloon.



4. Gently bend the dash to match the shape of the platform and trim to length.



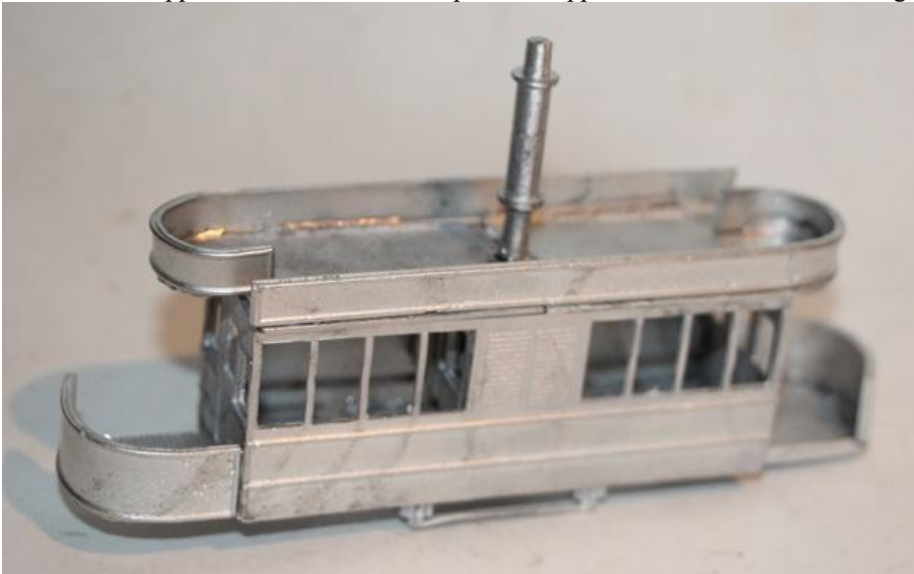
5. If you are planning to motorise the model, shorten the inner bulkheads and boiler to allow the motor to fit.
6. Fit the inner bulkheads flush with the edges of the central section.



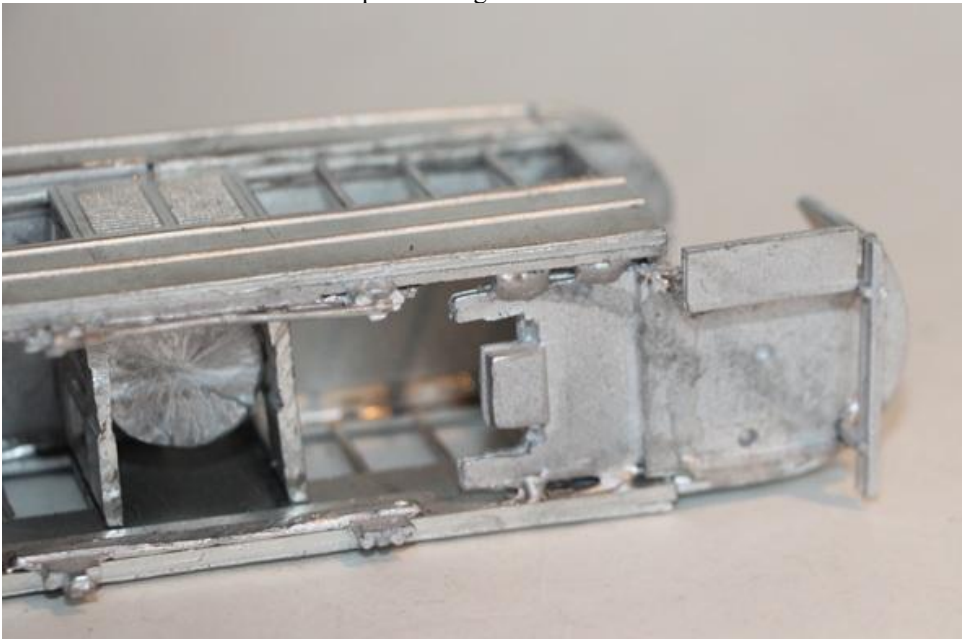
7. Fit the two halves of the upper floor together around the boiler chimney and fix to the lower saloon. You may need to file a bit off the boiler so that it fits between the inner bulkheads.



8. Bend the upper sides to match the shape of the upper floor and fit. Trim the length to stop at the top of the stairs.



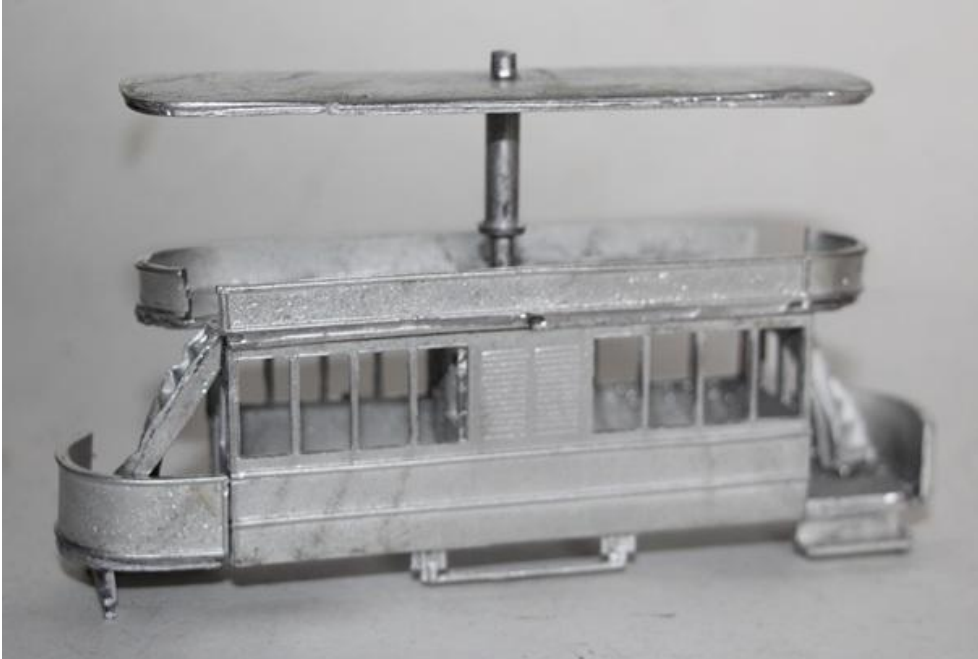
9. Turn model over to fit the steps and lifeguards.



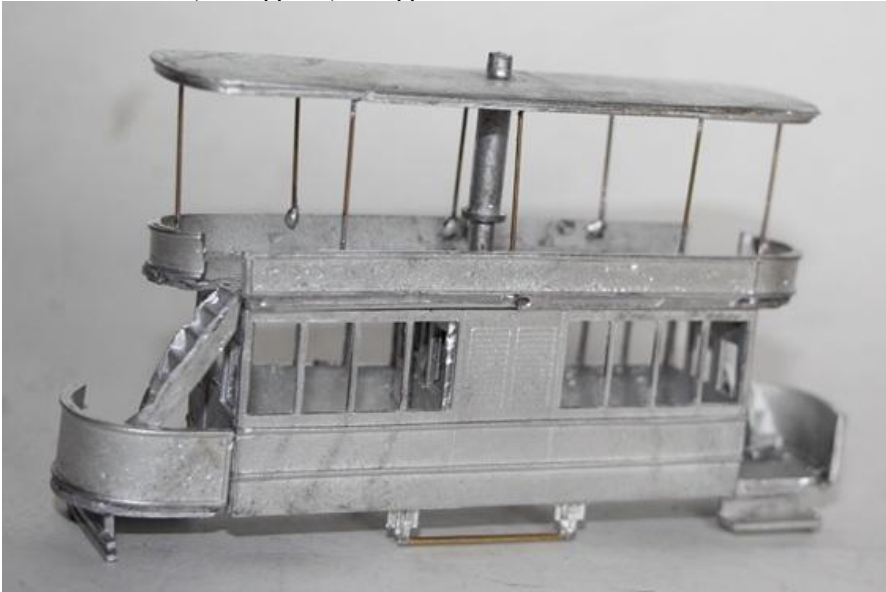
10. Fit the stairs unless you wish to paint them first.



11. Fit the roof over the chimney so that it rests on the ring below the top, making sure that it is level and parallel to the sides.



12. Fit brass rod (not supplied) to support the roof – three on each side and one at each end.



13. Make up handrails from brass wire (not supplied).



14. Paint the interior and window edges and then glaze.

15. Cut the seating strip into four 35mm lengths and glue pairs together back-to-back. Fill the gaps at the ends. These are then fitted longitudinally on the top deck each side of and flush to the chimney.

