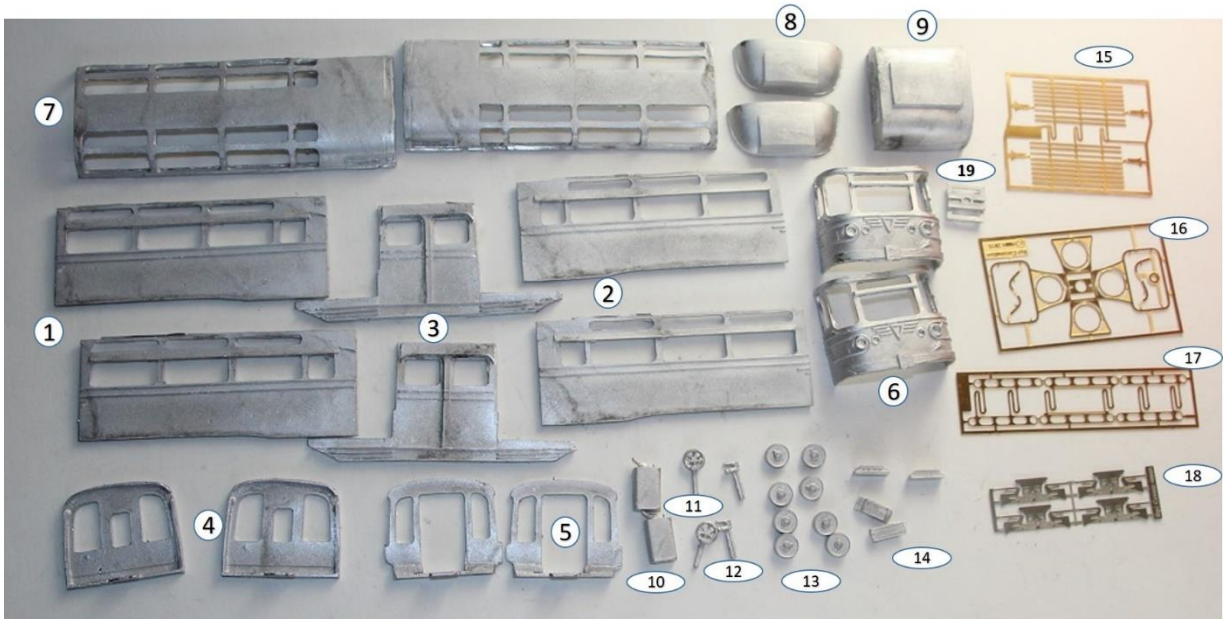
KW Trams

KW 076 Blackpool Coronation car

Parts

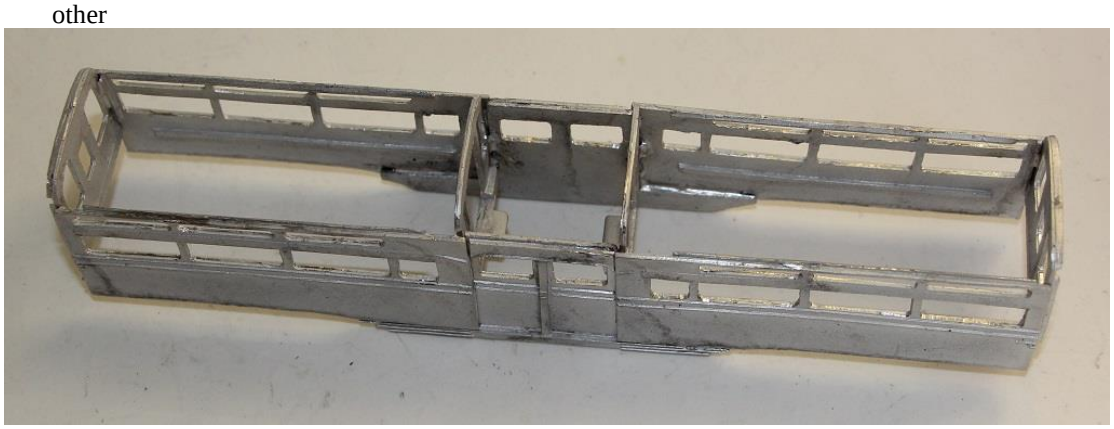


1.	Left side	x2
2.	Right side	x2
3.	Side doors	x2
4.	Driver bulkhead	x2
5.	Centre bulkhead	x2
6.	Front	x2
7.	Roof	x2
8.	Rood end dome	x2
9.	Tower base	x1
10.	Controller	x2
11.	Handbrake wheel	x2
12.	Air brake handle	x2
13.	Wheel brake disk	x8
14.	Track brake	x4
15.	Lifetray etch	x1
16.	Tower etch	x1
17.	Lifeguard etch	x1
18.	Bogie etch	x1
19.	Tower top	x1

Build Steps

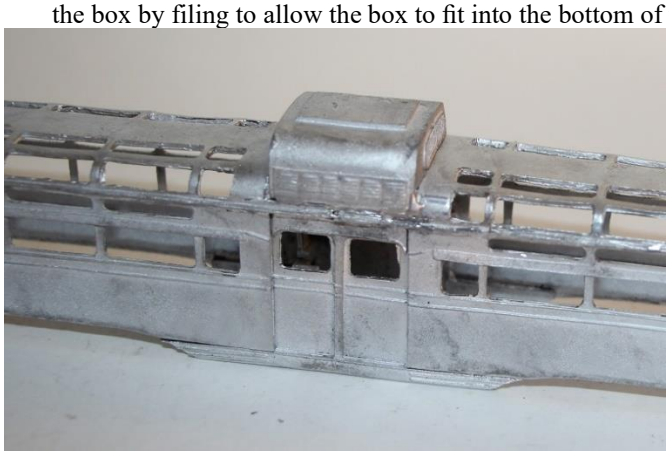
1. Take a body panel - check that you have the correct one, the two small pieces of trim should be at the outer ends of the body - and fit to the door/valance panel. The bottom of the body panel rests on top of the valance and overlaps the end of the door. The position is correct when the front of the body panel is flush with the front of the valance and the top of the body panel is level with the top of the door panel. The rain gutter over the door panels and that on the body sides form a stretched V shape. Repeat with the other side panel. Use a straight edge to ensure that the top of the body panels are straight and level otherwise the roof sections will not fit. Repeat the above to build the other side of the tram.

2. Identify and select the cab/saloon partition, it has small windows in the centre and not the wide gap of the saloon/vestibule partitions and fit it to the side against the small locating bar on the body side panel, the bottom of the lug being level with the floor support bar on the body side panel. It is important that the top curve of the partition fits inside the lip of the roof section exactly. The top curve is the correct shape for the roof and, apart from removing any flash, should not require any filing to fit. Check that the partition is square to both the roof and sides before final fixing. Please note that the lug on the base of the partition projects into the cab and not into the saloon. Note that the partition forms a lip to locate the roof section, cab and dome at a later stage. Repeat at the other end of the body side.
3. Identify and select a saloon/vestibule partition and fit it to the body side panel against the locating bar and the end of the door panel. Ensure that it is square to the side and that the lug protrudes into the vestibule area and that the bottom of the floor fixing lug is level with the bottom of the floor support bar. The lug and floor support bars are the support and fixing for the floor so accurate alignment is essential. Note, if you are motorising the model with a centrally mounted motor, then you may need to remove the lug so that it doesn't foul the motor. Repeat with the other saloon/vestibule partition.
4. Take the other completed bodyside and join it to the partitions using the same locating points as before, again ensuring that the side is square to the partitions and that the bottom of the floor fixing lugs and floor support bars are level. Also ensure that the ends of the sides are square with each other

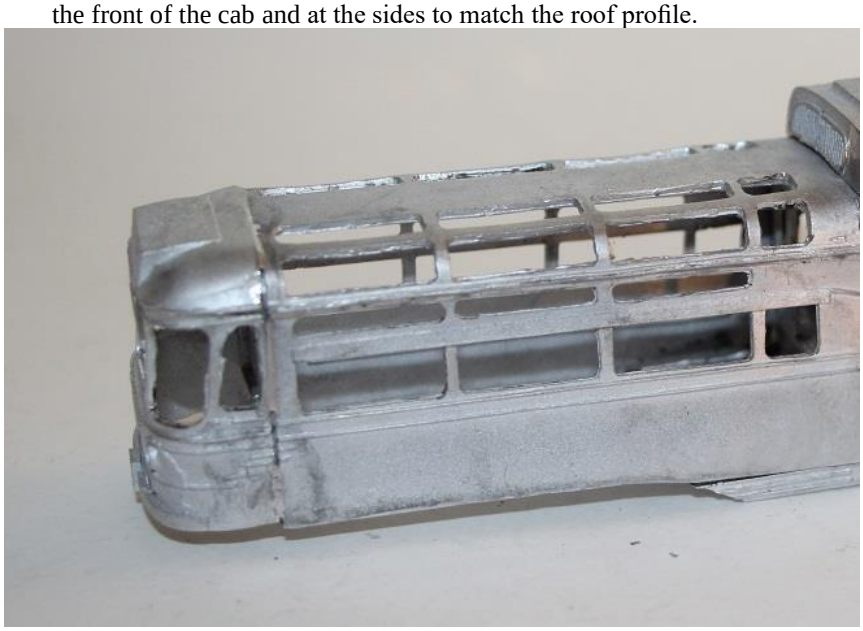


5. It may be necessary to file the roof sections to length. Align the end of the roof sections with the ends of the sides, mark and remove any excess length from each of the centre portions of the roof sections. D0 NOT remove any metal from the parts forming the ENDS of the roof sections, ONLY from the parts forming the centre, otherwise the roof windows and body side windows will be out of alignment.
6. Fix the two roof sections to the completed bodysides using the locating ridge on the inside top edge of the body side panels, noting that there is a small overlap of the roof over the bodysides. The partitions will provide location at the ends and centres. The saloon/vestibule partitions locate against the locating bar across the roof section ending in a groove at each side formed by roof strengthening sections.

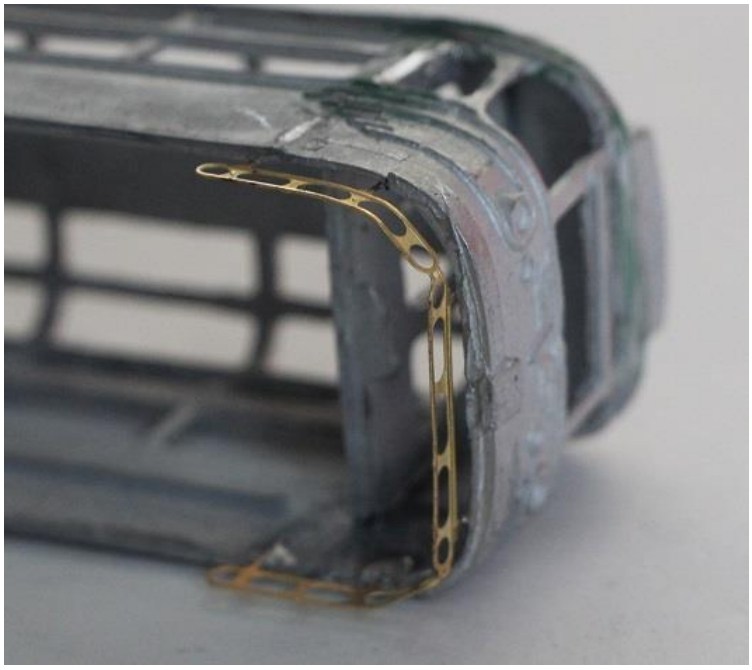
7. The Vambac control box is now fitted to the centre of the roof. The bottom edges of the box fit into recesses in the roof sections. It may be necessary to thin the inside of the bottom side edges of the box by filing to allow the box to fit into the bottom of the recess.



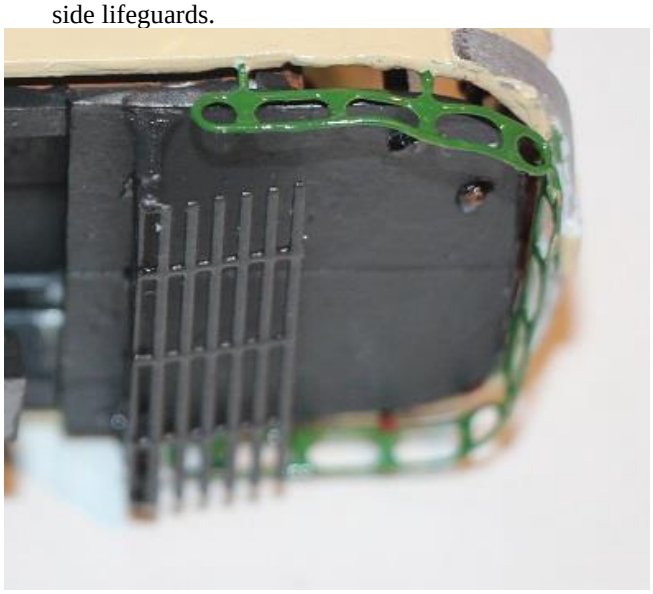
8. Fit the two cab fronts to the body sides ensuring the alignment of the trim features and that the cab doesn't have a "droop".
9. The roof dome and indicator box can now be fitted to the top of the cab. It may be necessary to file the roof end of the dome to achieve a fit. Please note that the dome does protrude slightly across the front of the cab and at the sides to match the roof profile.



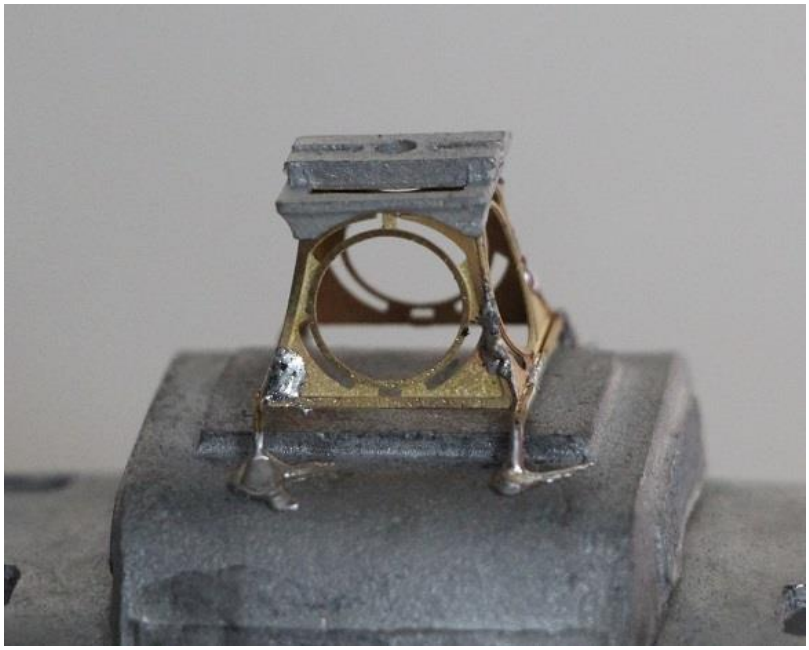
10. Lifeguards. Bend almost to a right angle at the joints between the three sections (half-etch areas on outside) and curve outer sections to match body sides. Fit the middle section behind the tram end, then fit the sides.



11. Lifetrays. Bend 3-slat section up to the vertical with half-etch bend line on inside. Bend up side brackets (very delicately attached) to meet ends of 3-slat section. Solder the bends and ends to strengthen them. Fit to the floor of the tram with the rear of the lifetray in line with the rear of the side lifeguards.



12. Build the tower. Remove the spare "leg strengtheners" and trolley bearing. With the main areas of half-etch uppermost, curve each of the four sides so that they come together neatly at the comers when bent down from the fold lines round the top with the half-etch on the inside of the bend. Bend the "legs" unit to be vertical and bend the lower half back over on to the outside of the top half. Add strengtheners to inside of ends if required. Add cast “cap” over top of tower, with trolley planks along length of tram.



13. Fit the additional parts to the bogies. Attach the track brake shoes to the side detail etches, then attach these to the sides of the bogie chassis, making sure that the track brakes do not foul the track. Attach the wheel brake discs to the wheel centres.