

## Assembly Instructions for Kit N°. 8880 Maunsell Low Window Composite

This Kit Requires the following additional Parts:-  
Wheels (14mm coach disc), Paint, Transfers & Adhesive.  
The following will also be required:- Craft Knife, Razor Saw,  
Small File or Glasspaper & Glue & Glaze (Deluxe Materials).  
A Small Square and clamps could be useful.

### General Instructions.

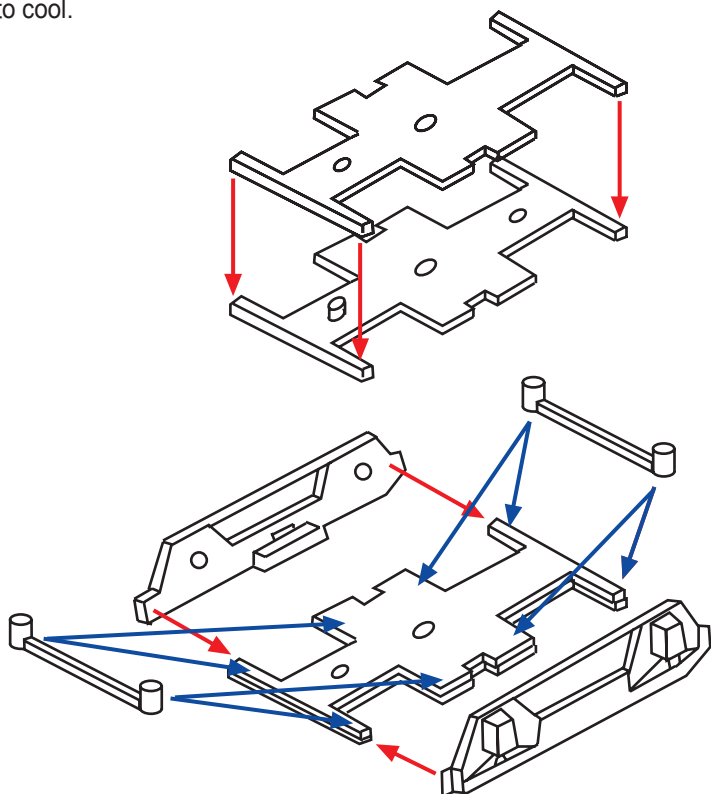
This kit will allow construction of a basic coach. For a more complete model we recommend the further reading over the page.

Assembly of this kit is fairly straightforward, but does require patience and a little care to ensure the best results.  
Start by identifying all of the parts, the major ones - the roof, floor, sides and ends are fairly obvious, however the others may not be.

The underframe moulding contain the truss rods, the battery boxes, dynamo, corridor connections, brake cylinder, torpedo vents, footsteps (not required for this kit) and the brake lever. There are two of these mouldings in this kit.

The Bogies are supplied as four mouldings, these also include the V hangers and the buffer mouldings.

Carefully remove all parts from the sprue with a sharp knife as required (Children under 14 should ask an adult for help with this.) and then ensure that all parts are flat and flash free. Parts that require straightening and or flattening should be removed from the sprue first. If they still required attention, immerse (very carefully) in almost boiling water for a few minutes, removed and then leave flat to cool.

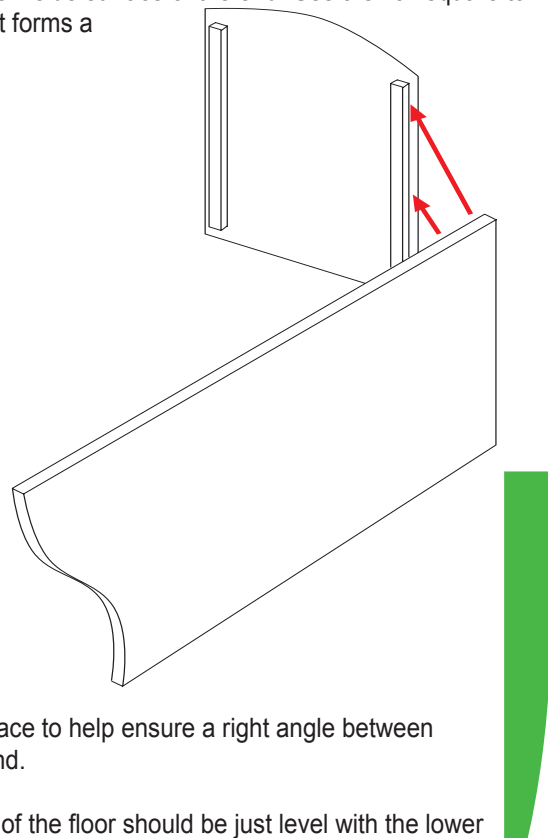


### Bogie Assembly.

These come as four identical mouldings, each of which has one bogie sideframe and one half stretcher.  
Fit the bearing cups into the axlebox holes, drilling out slightly if required.  
Glue together pairs of stretcher halves to form a solid stretcher for the bogie. (See the diagram) Allow to set.  
Glue one sideframe in place on the stretcher unit and allow to set.  
Insert wheels and then cement the sideframe in place.  
Check that the wheels run true and freely and then allow to set.  
Glue the 4 spring mouldings into place as per the diagram.

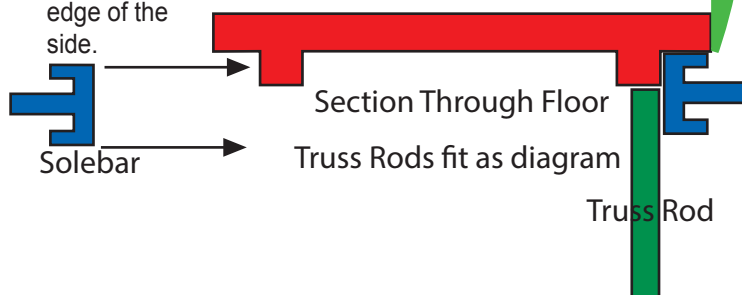
### Body Assembly.

Glue one end to one side. The end overlaps the side and butts up to the ridge on the inside surface of the end. Use a small square to ensure the joint forms a right angle.



Glue floor in place to help ensure a right angle between the side and end.

The underside of the floor should be just level with the lower edge of the side.



When this assembly has set glue the other side and end in place. Allow to set. Carefully rub down the overlap on the ends.

Take the two solebars, remove from the sprue and then trim to length so that they just fit between the buffer beams.  
Glue solebars in place on the underside of the floor.

Paint the sides and ends of the coach ensuring that the body colour goes into the window openings.

When dry proceed to glaze the windows.

This can be done by simply fixing strips of clear styrene along both sides of the coach, using Glue & Glaze, but for greater realism it has been arranged so that each window can be individually glazed.

For this you will have to cut rectangles of glazing material to fit the recessed areas on the inside of the coach and fix in place using Glue & Glaze.

Fit the partitions. (see diagram X).

Cut seats to fit and then fix into place as per diagram x.

Drill holes in roof for torpedo vents (diagram X) and glue in place.

## Underframe.

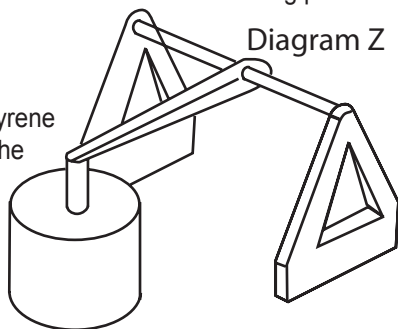
Glue the two underframe truss mouldings in place behind the solebars.

Glue the battery boxes behind (inside) the trussrods in either position A or position B on diagram W.

Glue the dynamo in place in the hole provided.

Glue the brake cylinders on to the raised circular mounting points on the floor.

Make up brake gear using the V hangers, a short length of styrene rod and the small levers from the underframe truss moulding. See diagrams Z & W.



Finally fit the buffer heads into the small shanks on the buffer beams and glue the corridor connections in place.

The bogies can now be fixed in place using the self tapping screws provided.

It MAY be advisable to open the fixing holes in the floor up before fitting the screws so as to avoid splitting the floor.

If you are fitting tension lock type couplings to the bogies you may need to put a packer between the floor and the bogies. A small piece of 0.50mm (0.020") styrene [NOT supplied] (10.00mm x 10.00mm) cut to size, glued to the top of the bogie and drilled for the fixing screw will usually be sufficient.

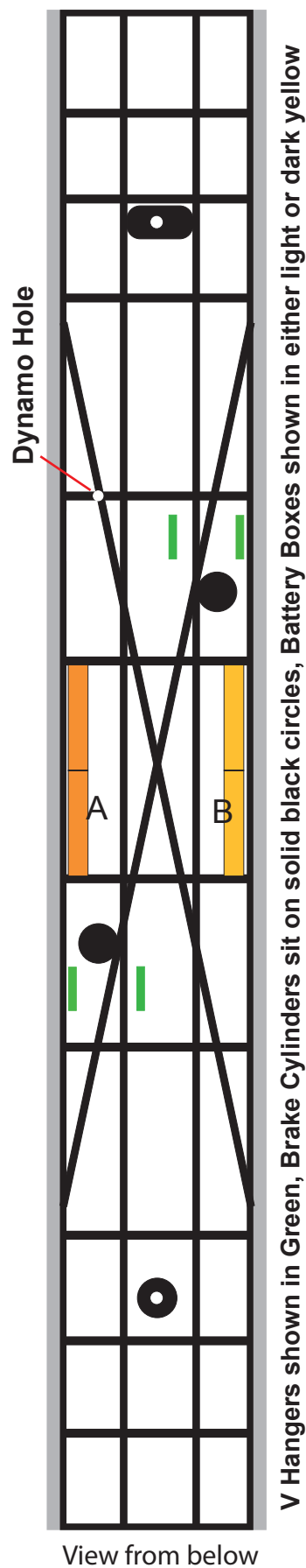
## Sample Running N°s.

Diagram N°	Seats	Running N°	Notes
2301	24 1st & 24 3rd	5137 - 46	Built Eastleigh 7 - 10/26
2301	24 1st & 24 3rd	5147 - 5150	Built Met Cammell 8 - 9/28
2302	16 1st & 24 3rd	5151 - 5170	Built Eastleigh 10/28 - 3/29

Diagram 2302 are restriction 0 and are 8' 0¾" wide and thus have only 4 first class seats per compartment (as diagram X) rather than the 6 of diagram 2301.

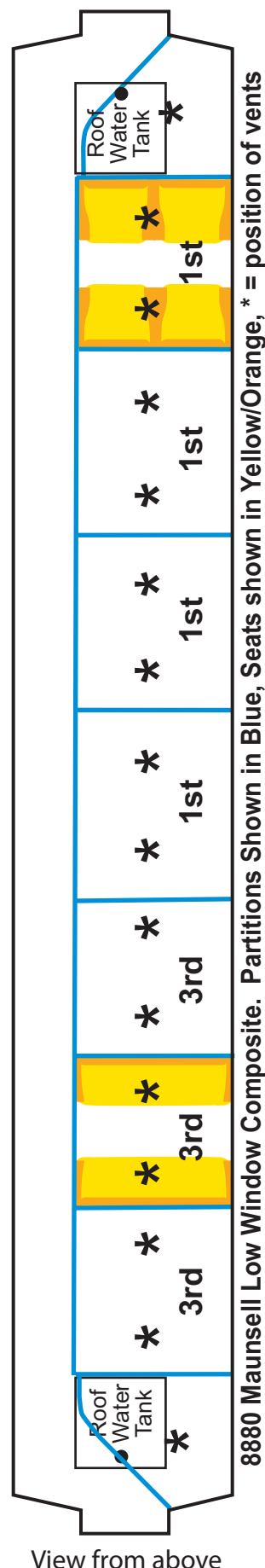
For further reading and scale drawings we recommend:-  
'An Illustrated History of Southern Coaches' by Mike King.  
Published 2003 by OPC. ISBN 0 86093 570 1

Diagram W



View from below

Diagram X



View from above

Both Diagram W and Diagram X are full size

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