

ASSEMBLY INSTRUCTIONS FOR SBR/CR CARRIAGE

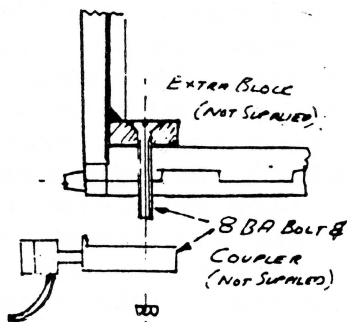
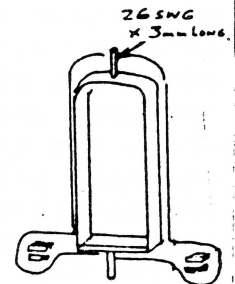
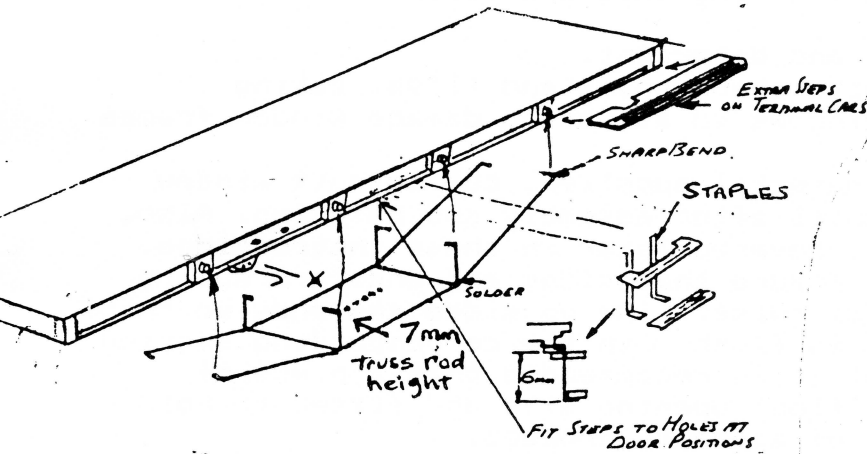
GENERAL Recommended adhesive - Superglue  
Recommended Bogies - AR 2AA bogies  
Note. Once parts have been bonded it is difficult to separate, so use care during this operation.

1. Wash parts in warm water and detergent.
2. Remove flash carefully with sharp knife and files, taking particular care around windows so as not to damage window frames or crown light dividers.
3. Using the clear glazing material supplied, cut to suit window openings and put aside until after assembly and painting. Also, allow for toilet windows, covered later in these instructions.
4. Assemble sides and ends. Ensure that sides and ends are square and parallel and free from twist. Line up sides and ends so that roof section of the side is flush with the corresponding section of the end. (See Diagram) It is recommended that a piece of scrap material be cut to floor opening size and fitted to hold sides out during balance of assembly process.
5. Fit roof and fill resulting joint with body filler, eg. Tamiya plastic filler or Automotive stop putty, then file smooth.  
**Note:** Fit roof with single vent positioned over doorway and be mindfull of this if material has to be removed from roof to get it to fit.
6. Fit 2AA bogies to floor and check coupler height. (It is assumed Kadee couplers are to be fitted)
7. Test fit floor but **don't fit permanently** until after carriage is painted. Floor is positioned so that battery boxes go underneath short end of carriage. Floor can be made removable by fitting cross braces inside carriage and screwing floor to them.
8. Drill out buffer shanks on buffer beams and the buffing plate on diaphragms to take .020" wire, also drill centre pivot point on diaphragm for same wire and glue wire in place (See diagram). Glue buffer beams in place. Drill centre plate on buffer beam and diaphragm shroud on carriage end .020" and fit diaphragm so that it pivots in these holes. Finally, pass wire through from behind buffer beam and glue into buffing plate on diaphragm. Diaphragm can be made to pivot by fitting Kadee coupler spring behind buffer beam, otherwise glue wire into buffer shanks.
9. Fit truss rods as per diagram. To allow the bogies to swing adequately to negotiate small radius curves, the outer ends of the truss rods should not be glued but left to float freely.
10. Glue small springs in position above diaphragms on each end and fit steps under doorways as per diagram.
11. Paint car in colour of your choice and period. It is recommended that model be washed thoroughly with warm water and detergent after assembly and then allowed to dry thoroughly before painting (**DO NOT** use acetone or similar solvents for cleaning) The model **MUST BE PRIMED** with a good quality **LAQUER PRIMER** prior to the finish coat or else results from some paints (Humbrol for one) cannot be guaranteed.

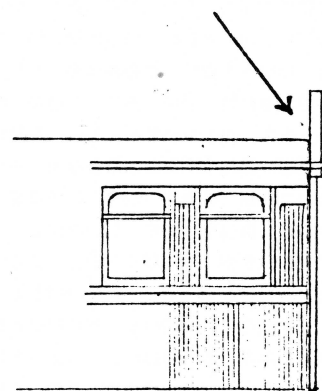
2.

12. Finally, fit precut glazing in window recesses using acrylic contact cement, eg. Selleys Kwik Grip etc (DO NOT USE superglue) and use white styrene for the toilet windows. Fit handrails and fit floor into position.

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Take particular care in lining up these joints



A piece of alum, brass or plastic angle can be used for the floor mounting block and can be drilled & tapped so that the screw can be fitted the opposite way to that shown above