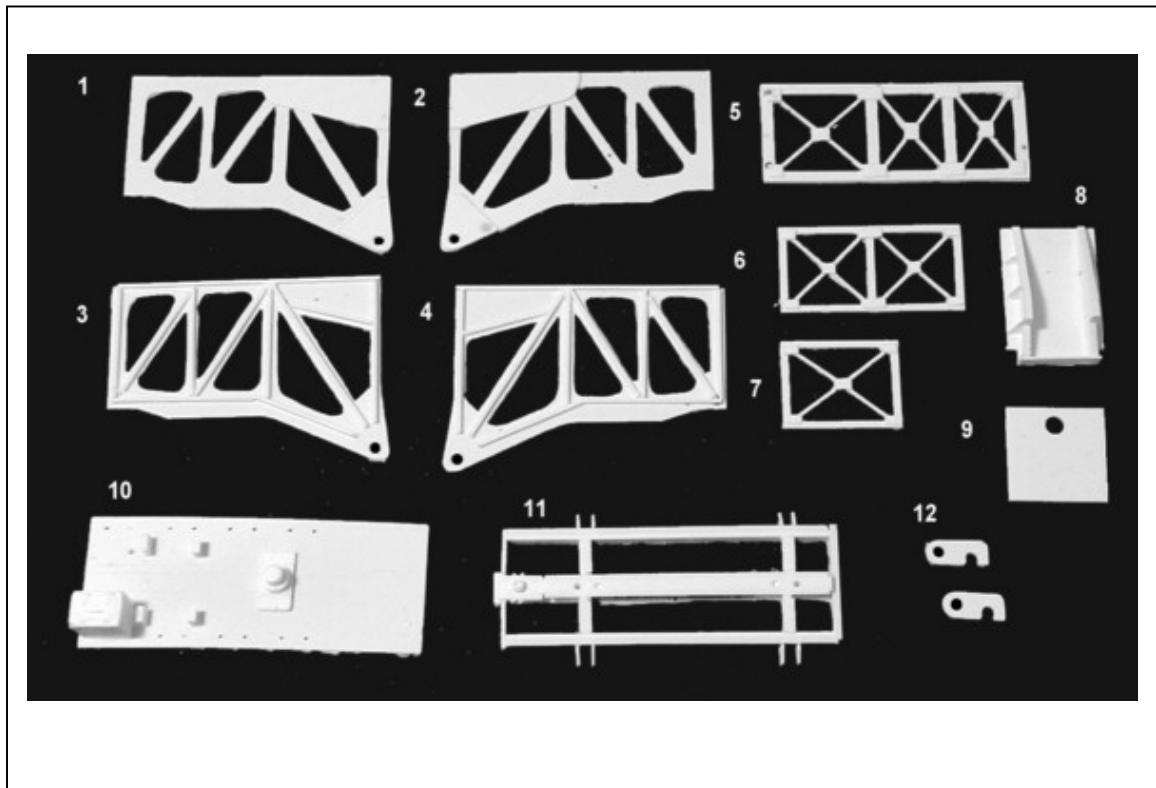
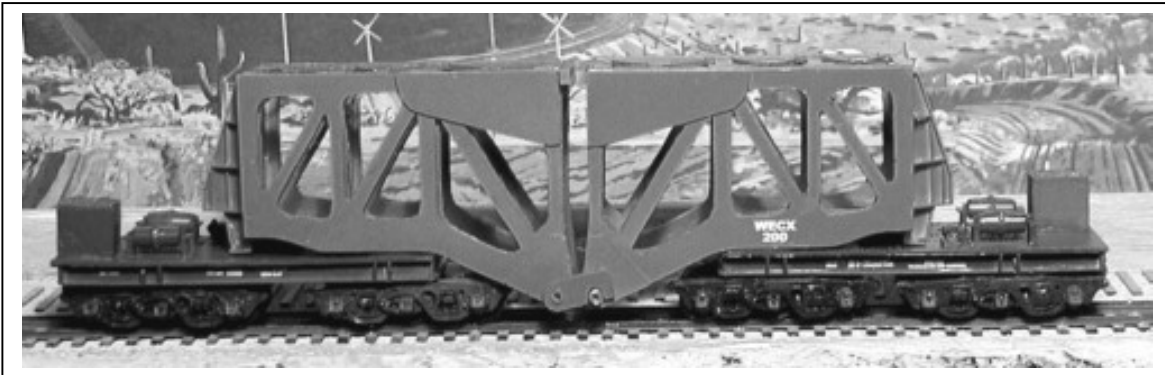


CONCEPT MODELS

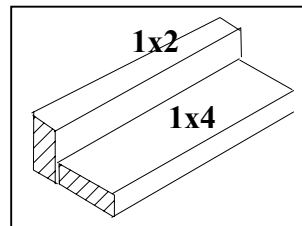
P.O. Box 604.
Rosamond, CA 93560-0604



WESTINGHOUSE WECX 200 SCHNABEL CAR

Tools

All basic model workers tools – files, motor-tool with fine burrs, hobby knife, 1/8” drill, Wood blocks for holding parts square, metal square, etc.



A gluing fixture is a great aid to assembly. It helps hold parts square while gluing.

Instructions

NOTE: This kit consists of resin castings and must be assembled with an ACC cement (not provided) – both the thicker types as well as the thin. Solvent cements will **NOT** bond the parts together! Resin parts are more fragile than common styrene plastic used in injection molded models. Use reasonable care in handling and do not apply any solvents. The illustrations at the front show the general layout of parts for the car. Work very carefully when positioning the parts for gluing. ACC cements adhere very quickly and permanently.

Gluing with ACC Cements – USE WITH CARE

ACC cements allow the modeler to work very quickly. A general rule is to use the thin cements to glue long joints taking advantage of capillary action that makes the cement run the length of the seam. The thicker cement is suited to applying large area parts to each other. An accelerator can be applied sparingly. One technique is to apply the glue to one part and the accelerator to the other part to be joined. I also use a Q-tip to apply a minute amount of accelerator to the glue after the parts have been joined. The accelerator triggers the ACC cement to set very quickly. It is only slightly slower with the thicker cement.

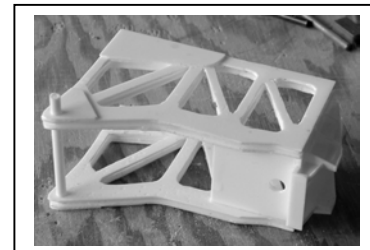
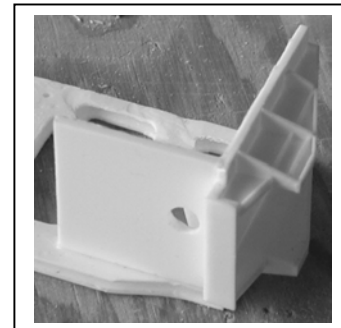
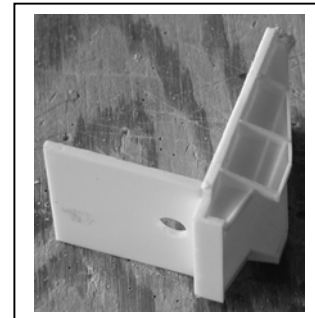
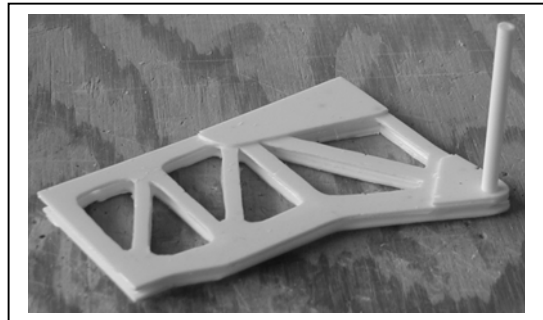
WARNING

Some parts have lead encapsulated within them. In the event the lead is exposed for any reason, do not allow it to remain on the skin. Dispose of any lead shavings that may result. Obey all safety precautions of all suggested cements and assembly materials.

GIRDER ASSEMBLIES

Item No.	DESCRIPTION	QTY.
1	Left Outer Girder	2
2	Right Outer Girder	2
3	Left Inner Girder	2
4	Right Inner Girder	2
5	Top Girder Brace	2
6	Large Diagonal Girder Brace	2
7	Inner Girder Brace	4
8	Girder End Support	2
9	Girder bottom	2
10	Car Top Deck	2
11	Car Frame	2
12	Hooks – empty car	2
13	Brake Reservoir	4
14	Brave Valve	2
15	Brave Cylinder	2
16	Draft Gear Covers	2
17	1/8"x 10'6" Styrene Tubes	2
18	1/8"x2-56 Screws	2
19	1/8" Washers	4
20	5' square placard – girder end support - for logo (.030") styrene 5' sq.	2
21	Decals	1
22	Brake Wheel & Staff	2

1 Drill a 1/8" hole in your work surface and place one of the 1/8" tubes in it as shown. Place inner and outer girder pieces as shown. Align the bottom corners. When aligned correctly the inner girder is ~.040" shorter creating a ledge on the inside which will be used to mount the upper brace structure.



2 Use thin ACC cement to attach the girder bottom (9) to the girder end support (8). Make sure you get it square.

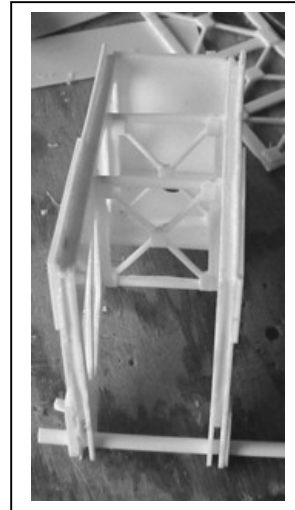
3 Attached the end assembly to the inside of the girder side. The bottom of the assembly is flush and square with the side girder.

4 Using the 1/8" tube for alignment, attach the other girder side to the assembly. Attach the square placard to the back of the girder end support at the top. Make another assembly just like it.

5 Insert one of the small inner girder brace assemblies (7) at the rear of the girder assembly as shown using thin ACC cement. Make sure that the assembly does not interfere with the recessed edge.



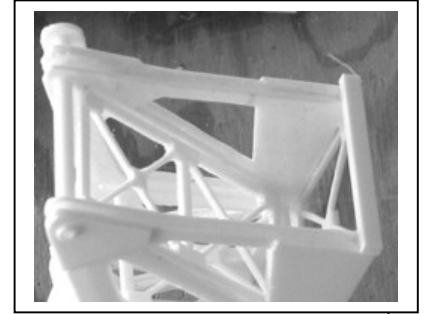
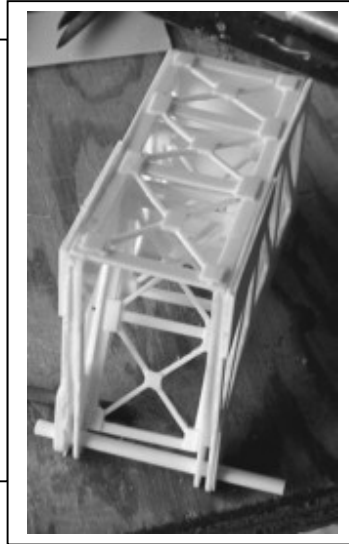
6 Install another small inner girder brace assembly (7) at the center of the girder assembly. Make sure that the assembly does not interfere with the recessed edge.



7 Install the large diagonal girder brace assembly (6) as shown. Make sure that the assembly does not interfere with the recessed edge.

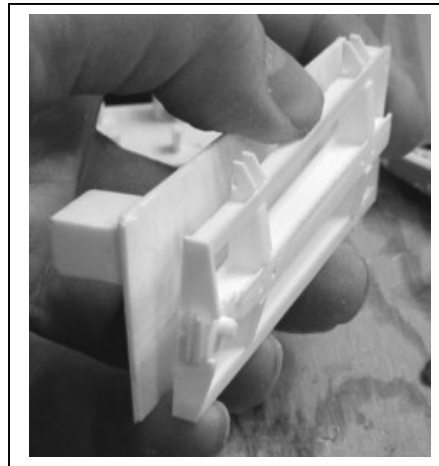


8 Install the top girder brace assembly (5) as shown. Make sure the top spacing matches the rest of the assembly. Make another assembly exactly the same. Add the spacer at the top of the assembly as shown.

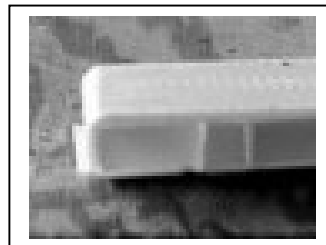
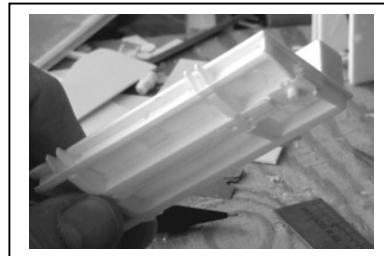


CAR BODIES

1 Attach the car top deck (10) to the car frame (11) oriented as shown and centered. Use thin ACC cement on the inside of the car frame. Trim the braces flush with the edges.



2 Now remove the overhanging lip of the car body top that faces what will be the car center. Bevel the edge 45 degrees.



FINAL ASSEMBLY

1 Use thin ACC cement to attach the hooks to the 1/8" tubes. Install the assembly into the girder assemblies as shown. Trim the end of the tubes to ~1/16" past the hooks. Add spacers, if necessary, to make the girder assembly top straight when the car is unloaded.



PAINING

1 Prepare for painting as follows:
Wash the entire assembly in warm water with a dish detergent. We highly recommend "Dawn". Rub with a soft sponge to remove all finger print oils. It's only necessary to sponge the exposed surfaces that will be handled. This will ensure good paint adhesion.

2 When the car and girder assemblies are dry, apply primer and allow to dry overnight. The original car colors was yellow. However with fading and grime it appears to be gray. Later the girders were painted red and the car bodies black or a very dirty tuscan color. The original painting instructions of the car manufacturer are below.

PAINT SPECIFICATION:

*PRIMER - DUPONT RED LEAD NO. 356750
FINISH TRUSS FRAME - 2 COATS DU PONT DULUX YELLOW - NO. 83-32894
FINISH UNDERFRAME - 2 COATS DU PONT DULUX RED - NO. 83-5546.*

*STENCILING - WHITE ON RED PAINT, BLACK ON YELLOW PAINT,
DULUX STENCIL PASTE.*

NOTE:

PRIMER TO BE APPLIED TO LAPS AND JOINTS, INACCESSIBLES, AND ON COMPLETE CAR EXCEPT TRUCKS.

2 COATS OF YELLOW FINISH PAINT TO BE APPLIED TO ENTIRE TRUSS FRAME INCLUDING YOKE AND LOOSE PIECES.

2 COATS OF RED FINISH PAINT TO BE APPLIED TO UNDERFRAME INCLUDING JACKS AND ROLLER NEST.

1 COAT OF LIGHT BODIED RED FINISH PAINT TO BE APPLIED TO TRUCKS EXCEPT WHEELS.

NO PAINT TO BE APPLIED TO WHEELS.