CONCEPT MODELS

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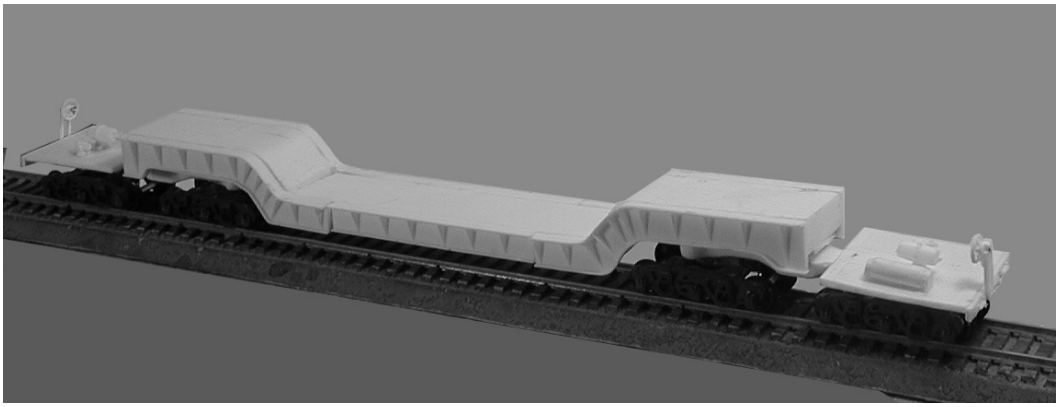
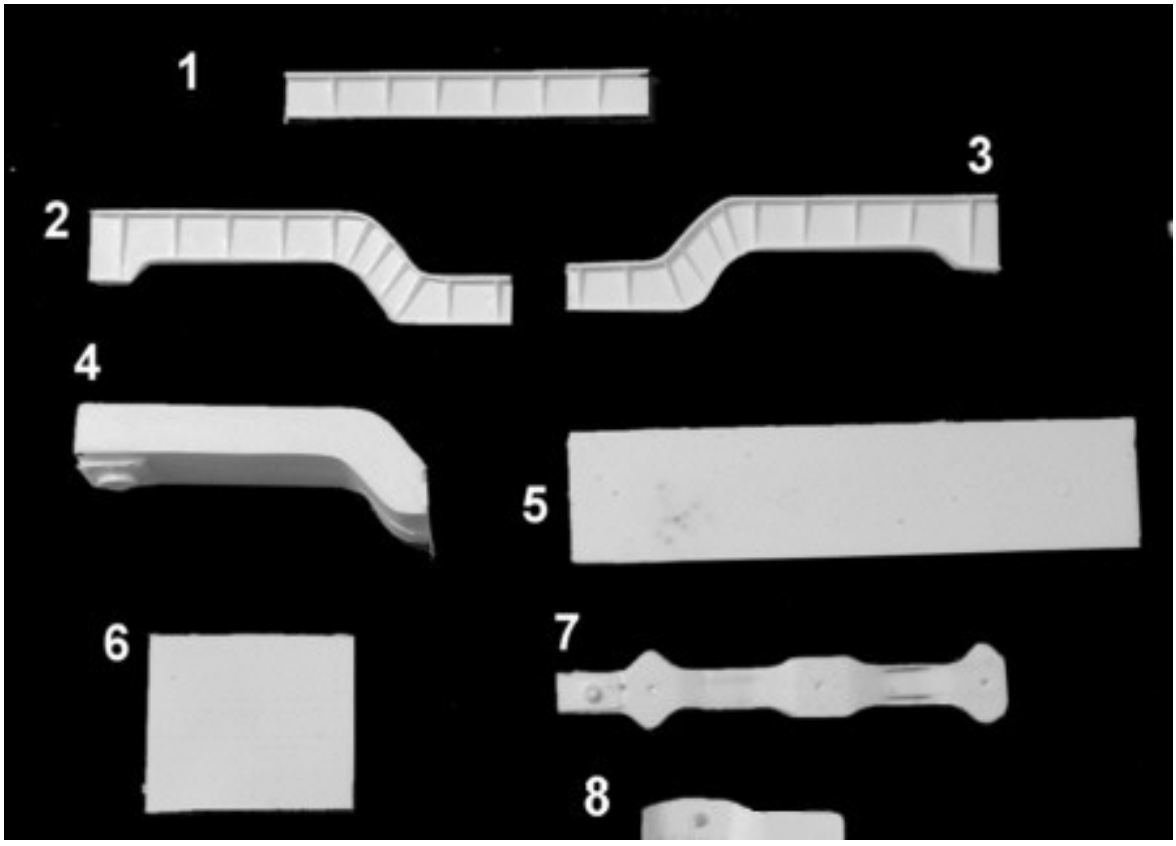


INSTRUCTIONS FOR PRODUCT
CCRX 40016 DEPRESSED FLAT

CCRX 40016 PARTS



Item No.	PART NO.	DESCRIPTION	QTY.
1	7028-1	Floor Beam	2
2	7028-2	Left Lift Girder Face	2
3	7028-3	Right Lift Girder Face	2
4	7028-4	Lift Girder Core	2
5	7028-5	Floor Core	1
6	7028-6	Truck Bolster Deck	2
7	7028-7	Truck Bolster Bottom	2
8	7028-8	Truck Bolster Top	2
9	7028-9	End Sill	2

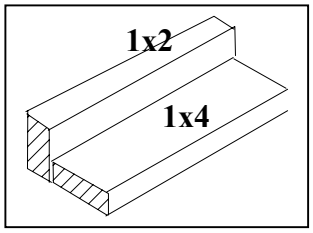
GENERIC PARTS	QTY.
1/8” Tube x 3 s.f.	2
1/8” x 2-56 screws	2
3/8” x 2-56 screws	2
Brake Valve	1
Brake Reservoir	1
Aux. Air Tank. (Long)	1
Brake Wheel	2
Brake Stand	2
Small Pins	6
Coupler Pocket Covers	2

Tools

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

Drills: 1/8", #76, #72, #68, #50 (2-56 tap drill), #65

Music Wire .020" for handrails. Athearn stanchions for tanks cars.



This fixture is a great aid to assembly. It helps hold parts square while gluing and aids in drawing horizontal lines on tanks for tank cars.

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! They can dissolve them. 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.

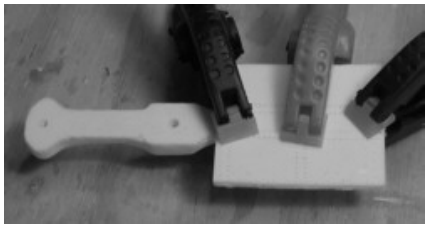
WARNING

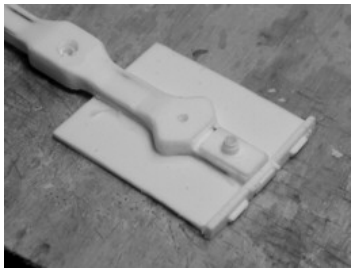
Some parts have lead encapsulated within them. In the event the lead is exposed for any reason, do not allow it to remain on the skin. Dispose of any lead shavings that may result. Obey all safety precautions of all suggested cements and assembly materials.

PREPARATION Wash the parts before assembling with a dish washing detergent such as "Dawn". Rub lightly with a soft sponge.

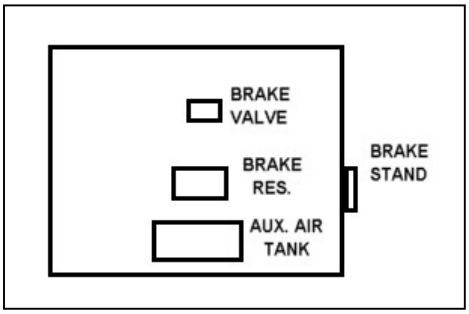
ASSEMBLY

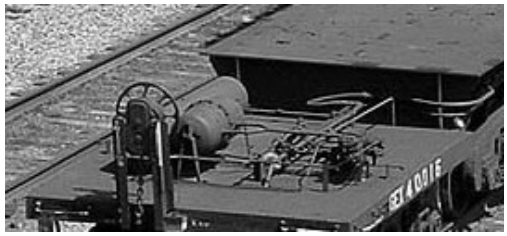
1 Apply the end platforms to the coupler end of the truck bolsters as shown. After the cement is set, drill a 1/8" hole no more than half the thickness of the bolster from the **TOP**. Work carefully. Use a pin vise if you do not have a drill press with stops.





2 Add the brake wheel to the brake stand with the small pin provided. Attach the end fascia and then cement the a brake stand assembly to each car end as shown. Add the brake valve, break reservoir and auxiliary air tank as shown to the B end of the car. If you wish to add piping, the adjacent photo is the only information we have. My choice is always .015 steel since it resists bending once the model is finished and placed in operation.

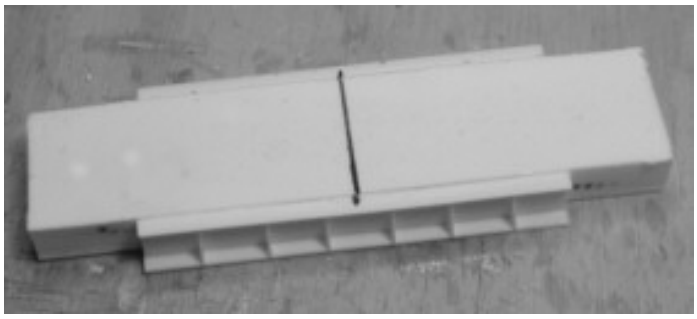




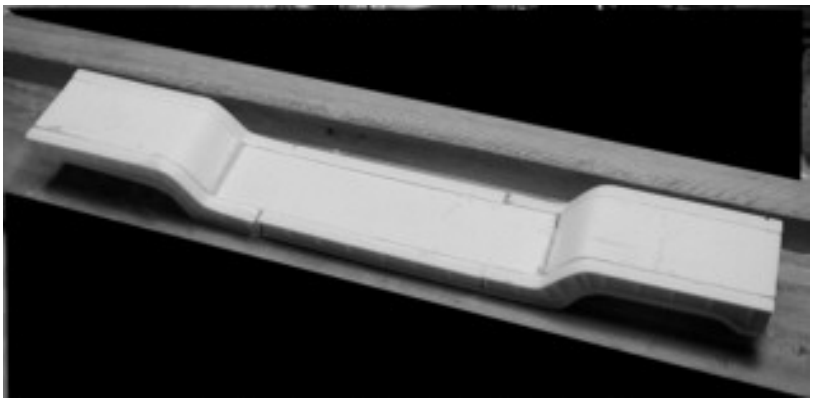
3 . Install 6-wheel Buckeye trucks as shown. Dill a #76 hole and place a small pin as shown to keep the trucks from swiveling when placing on the track. Trim pin to clear.

5 A fixture as we describe on page 3 is a great aid for the following steps. Cement the Left Lift Girder Face (2) exactly flush with the end and the top of the Floor Core (5). Do the same with the Right Lift Girder Face (3). Make both ends the same. Drill the mounting pad with a 1/8" drill no deeper that ½ of the thickness of the girder core.

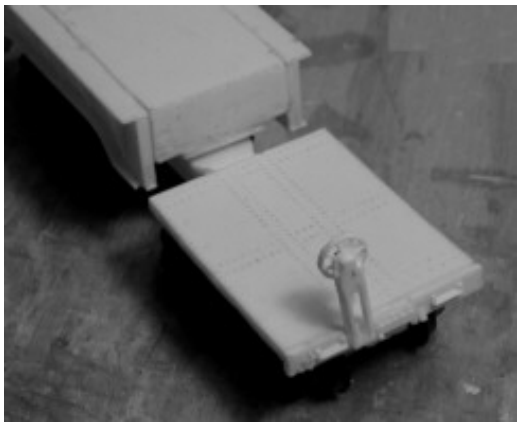
6 Turn the floor core with the best side facing down then attach the Floor Beams (1) to each side of the Floor Core (5) wide edge down. Make sure that the Floor Beams are centered evenly on the floor core.



7 Cement the car ends to the floor sub assembly. Make sure that the tops of the ends are parallel to the floor and that both ends have the same elevation.



8 Use the 1/8” tube to mount the car body onto the truck bolsters as shown.



PAINTING

. Use a lacquer based primer such as floquil.

1) If you followed the instructions for cleaning the parts before assembly, you are ready to paint. A primer such as Floquil's is recommended. Allow to dry overnight before proceeding with any of the color coats.
2) The photos I have show the GE car as black and the CCRX car as Tuscan.

Overcoat entire car with Testor's Glosscoat prior to decaling.

DECALING

The decals provided are a very thin film decal film. Success with these decals depends on following these instructions.

1) Cut out the decal segment you are going to apply.
2) Dip the decal in warm water which has had 1 drop of DAWN kitchen detergent. Do not leave the decal to soak in the water and the decal to leave the backing.
3) Slide the decal directly onto the wetted surface with a small brush. Position with the brush. Remove excess water with a tissue.

NOTE: The glue used for the decal sheet is different than what has been used in the past. The water does not dissolve the glue. Water causes a chemical reaction causing an almost immediate release of the decal. For this reason once the decal has been wetted it must be used quickly. It cannot be re-wetted later for use.

4) Top coat the decals with Testor's Dullcote for best results.