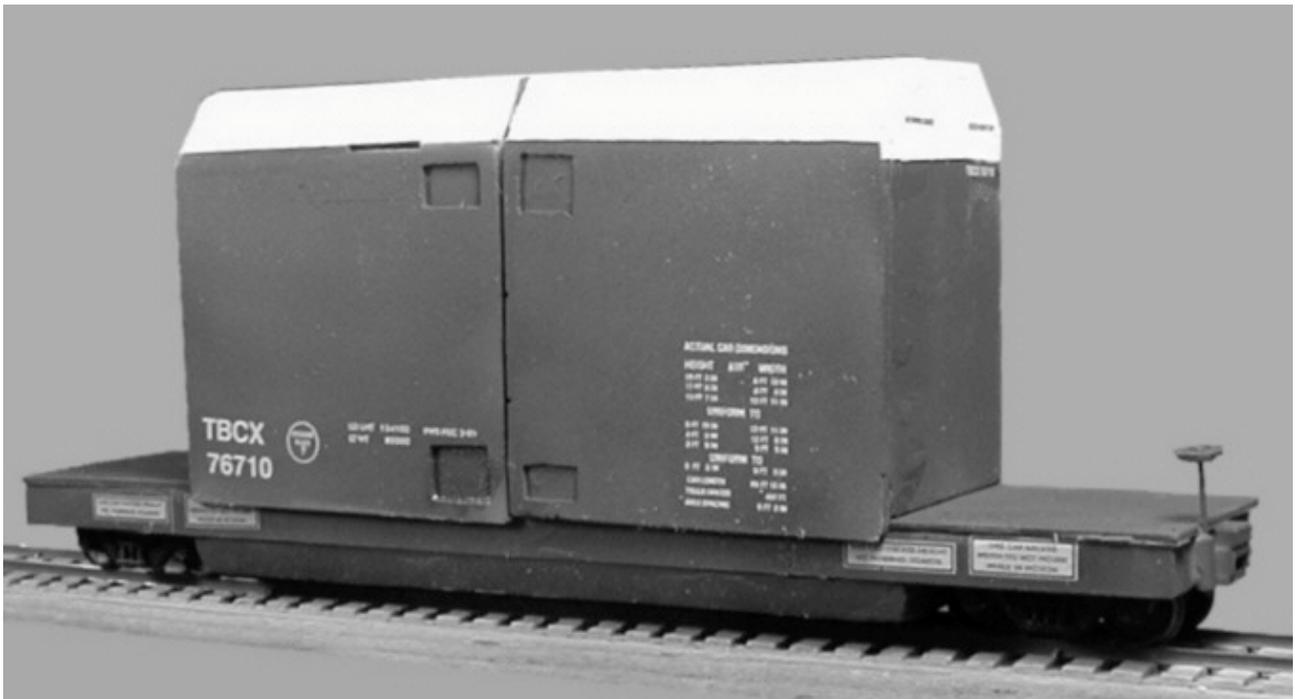


# CONCEPT MODELS

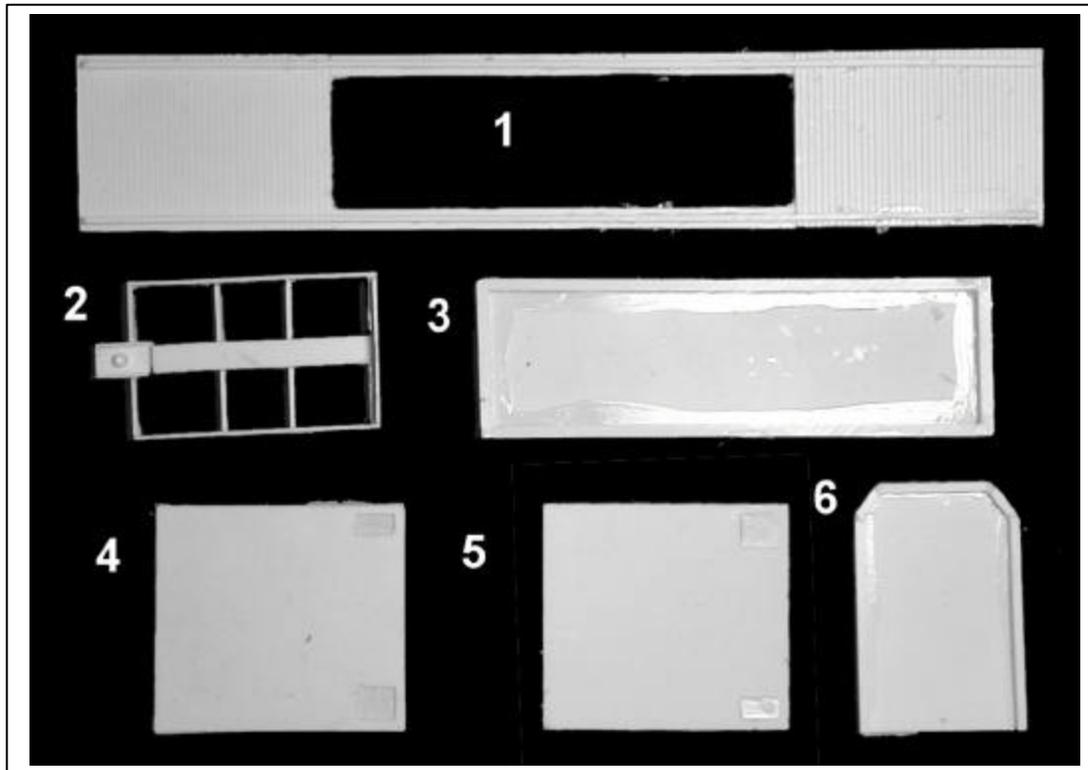
Web Address: <http://www.con-sys.com>  
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8810 El Toro Way  
Stockton, CA 95210



**INSTRUCTIONS FOR PRODUCT:**

## PARTS – TBCX 76700-13

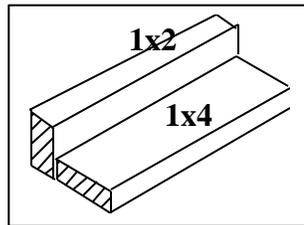


Item No.	Part No.	DESCRIPTION	QTY.
1	2506-	Top Deck	1
2	2506-	End Frames	2
3	2506-	Bottom Well	1
4	2506-	Canopy Left Side	2
5	2506-	Canopy Right Side	2
6	2506-	Canopy End	4
<b>STYRENE PARTS</b>			
		Canopy Top .040" x 7'0" x 16'0"	2
		Angular Top Piece .040" x 3'0" x 16'0"	4

Part No.	GENERIC PARTS	QTY.
1014-0	3/16" Pan Hd. Screws	2
1020-0	Brake Reservoir	1
1018-0	Brake Valve	1
1019-0	Brake Cylinder	1
	Brake Staff	1
1010-0	Brake Wheel	1
	3/32" Tube x 1'9" (s.f.)	1
1012-0	Coupler Cover	2
	1/8" I.D. Washers	2
	Decals (set)	1
	Instructions	1

## Tools

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



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.

## **WARNING**

Some parts may 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.

**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.

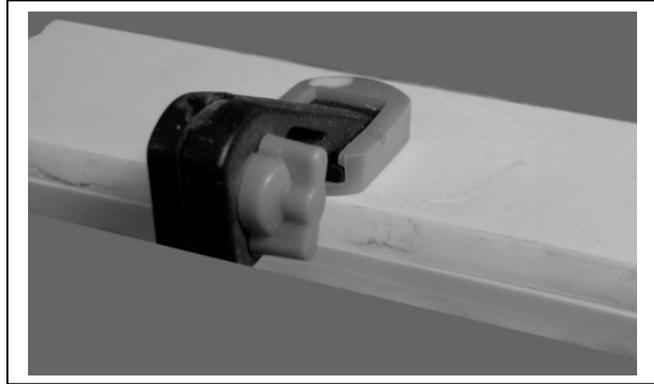
## Gluing with ACC Cements – USE WITH CARE

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.

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

## ASSEMBLY

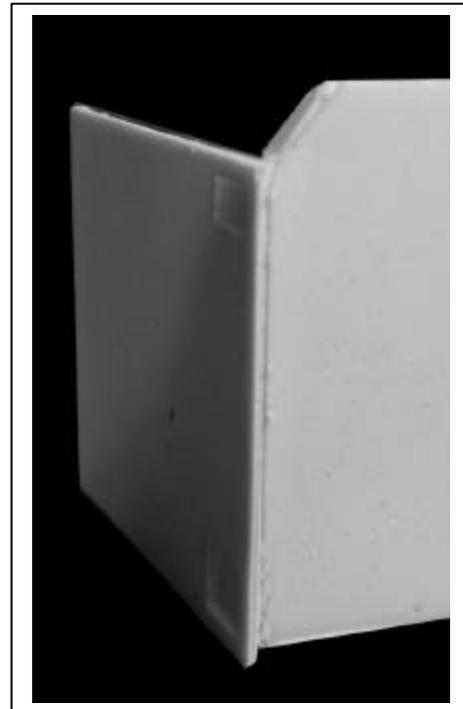
**1** Clamp the Bottom Well (3) to the underside of the Top Deck (1) and cement. After well is held in position by some cement, turn over and apply a small amount to the internal seam to insure a good bond for the two parts. This ensures the structural strength of the car.



**2** Cement the End Frames (2) to the Top Deck as shown. Apply cement to the inside where the frame meets the deck.



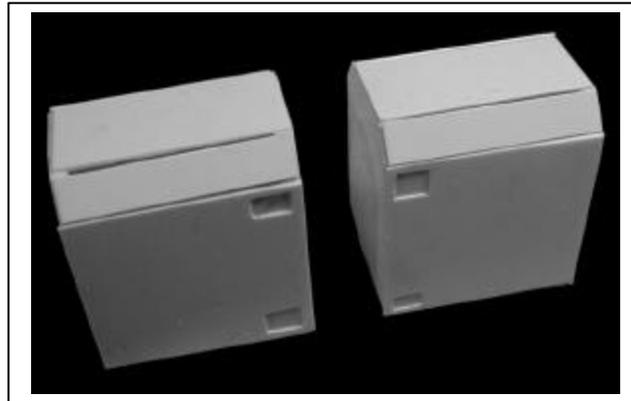
**3** Observe the sides the small indentation goes to the top with the indentations both at the center of the car when in place. Match up the pairs and attach the sides to the Canopy end as shown with the top of the side right at the corner where the 45 degree bevel starts. The sides should extend farther than the ends pieces.



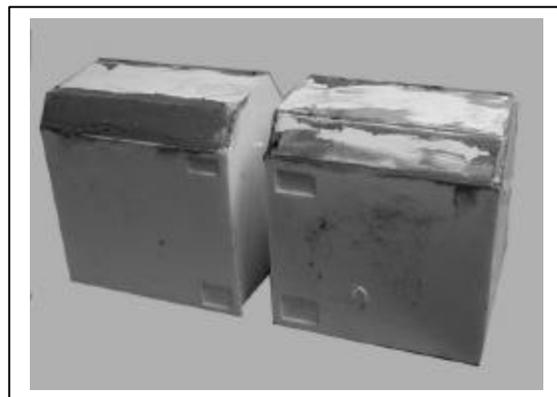
**4** Cement together into a box shape as shown with attention to the locations mentioned in the previous step.



**5** Apply the styrene top first making sure it is centered. Second apply the Angular Top styrene pieces as shown. Apply a small amount of viscous ACC cement from the inside to close and gaps.



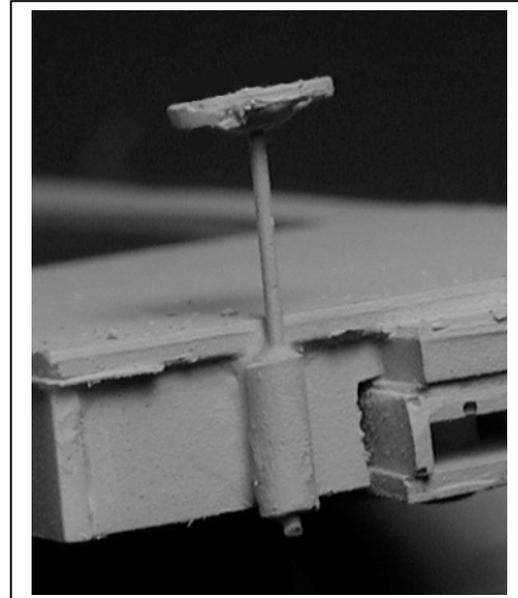
**6** Apply Squadron's Green Putty to the top seams. Experience has shown that a rough coat which is filed down followed by a smoothing finish coat and subsequent sanding makes for a good looking finish.



**7** You may cut out the one end if you wish. Notice it is the end where the indentations occur which is the center of the car. It is suggested that you leave a small strip at the bottom until painting is completed. This will prevent deforming of the canopy.



**8** Cement the brake wheel to the large pin which serves as a brake staff. Thread the pin through the 3/32" tube. Cement in place. Trim the pin. Cement the assembly to the car body as shown.



## PAINTING

If you followed the instructions for cleaning the parts before assembly, you are ready to paint. A primer is recommended. Allow to dry overnight before proceeding with any of the color coats. When painting with white do not over dilute with thinner. Twenty five percent thinner should be sufficient and will improve coverage.

- 1) Now that Floquil has left the scene I'm buying primer from ACE hardware as an enamel part of their rust proof line. A half pint goes a long way. Especially when you thin it 3 parts lacquer thinner to 1 part paint.
- 2) Dark colors can be diluted up to 50-50. Two coats of white with plenty of drying time in between are recommended. White on top of primer is recommended for light colors yellow through red. It improves the color.
- 3) After painting overcoat entire car with Testor's Glosscote prior to decaling. If you decal over the Glosscote as soon as it is just dry to the touch, decal adhesion is improved.

## DECALING

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

- 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 slide off the backing..
- 3) Slide the decal directly off of the backing onto the wetted surface with a small brush or tweezers. Position with the brush. Remove excess water with a tissue.
- 4) A decal setting solution is recommended for best adhesion.
- 5) Top coat the decals with Testor's Dullcote for best results.

