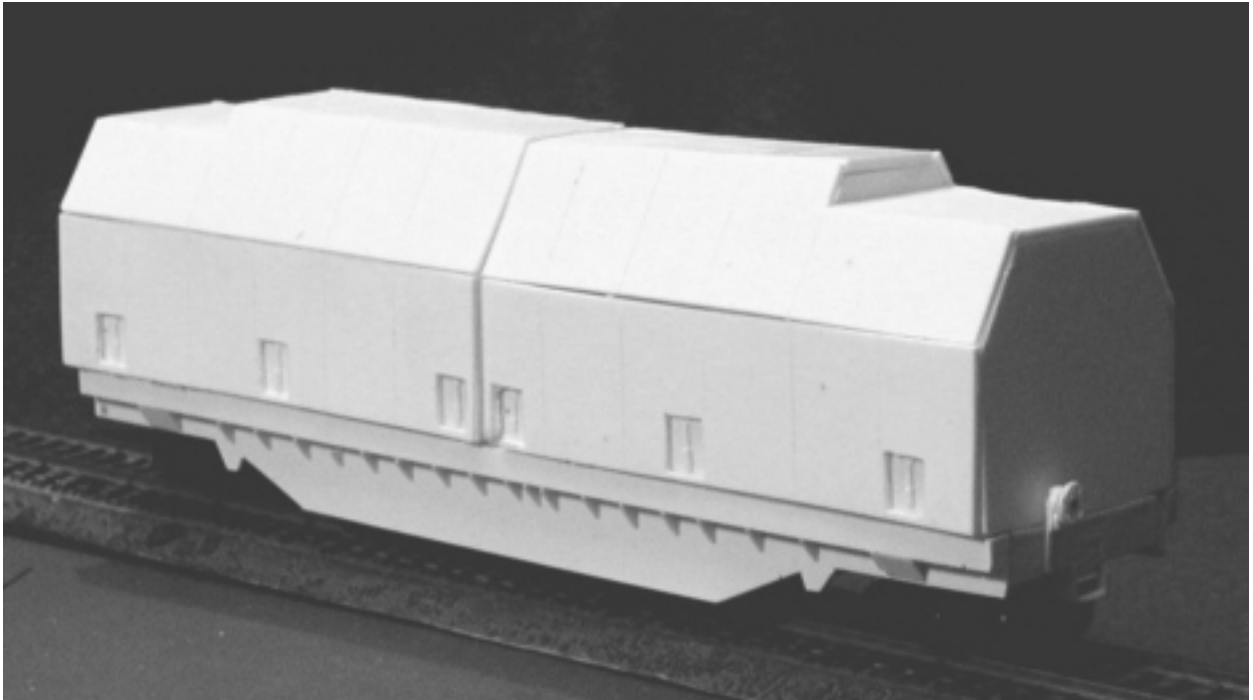


CONCEPT MODELS

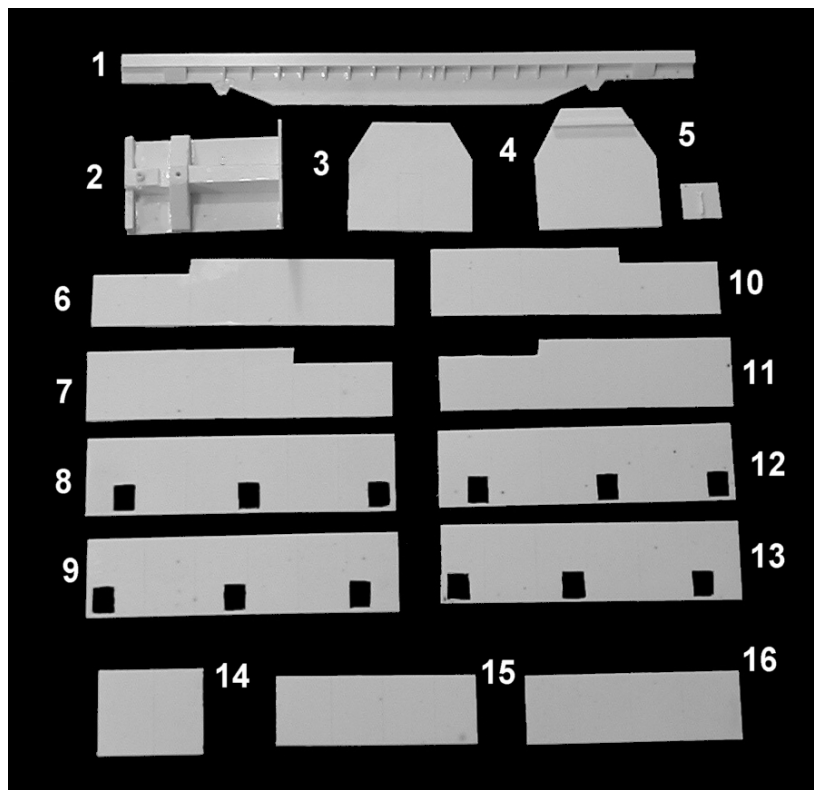
Web Address: <http://www.con-sys.com>
Email: concept_models@con-sys.com

8331 Sheep Ranch Rd.
Mountain Ranch, CA 95246



**INSTRUCTIONS FOR TBCX 7400
SERIES CANOPY CARS**

PARTS

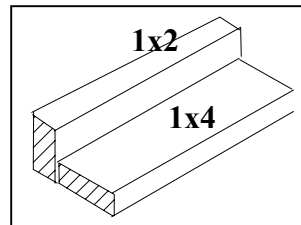


Item No.	DESCRIPTION	QTY.
1	Car Side	2
2	Car End	2
3	Short Canopy End	2
4	Tall Canopy End Support	4
5	Latch	12
6	Left Long Top	1
7	Right Long Top	1
8	Left Long Side	1
9	Right Long Side	1
10	Right Short Side	1
11	Left Short Side	1
12	Right Short Side	1
13	Left Short Side	1

Item No.	DESCRIPTION	QTY.
14	End Roof	2
15	Short Roof	1
16	Long Roof	1
17	Car Floor .040" x 10' s.f. x 28'6" s.f.	1
18	Coupler Pockets	2
19	1/8" X 2-56 screws	2
20	Brake Stand	1
21	Brake Wheel	1
22	Small pin	1
23	End Platform	2
24	Decals	1
25	Instructions	1

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.

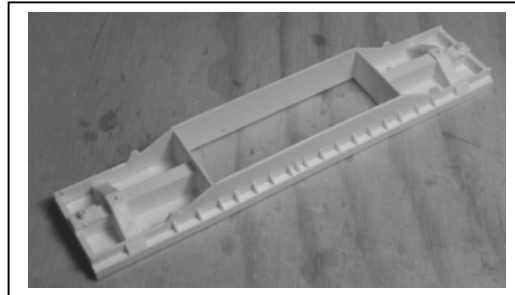
PAINTING Wash the parts before assembling with a dish washing detergent such as “Dawn”. Rub lightly with a soft sponge. Use a lacquer based primer such as floquil.

ASSEMBLY

1 Begin by cementing Car Side (1) to Car End (2). Make an identical pair of these.



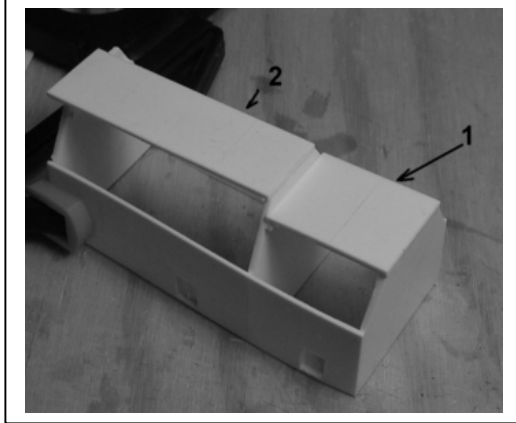
2 Now cement the pair to complete the car. Add the styrene floor and set aside.



3 Sort the tops and sides into identical length piles. Work with one set at a time. The halves of the canopy are different lengths. Begin by gluing one Tall Canopy End Support (4) with the support bar pointing to the inside to one of the sides as shown. Notice the location of the latch port opening.



4 First Glue Set up the End Roof (14) and the appropriate top as shown. First glue the End Roof to the Short Canopy End (3) as shown. Glue the other end of the End Roof (14) to the Tall Canopy End Support (3) resting of the support bar. Do not glue to the sides yet. Move to the next step before the glue has set completely.



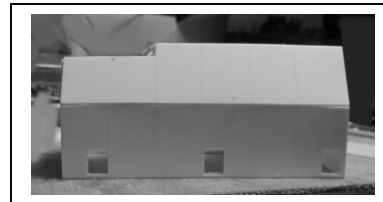
5 In this step get the roofs parallel to the sides by adjusting the Tall Canopy End Support by adjusting the Tall Canopy End Support and glue to the sides.



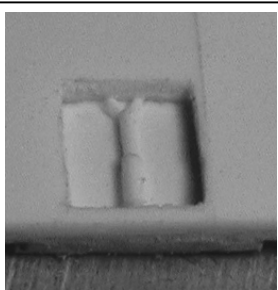
6 Add an additional Tall Canopy End Support under the center of the long roof span for additional side support. After the glue has set, bevel the roofs in order that the tops may be glued flush with the roofs and supports.



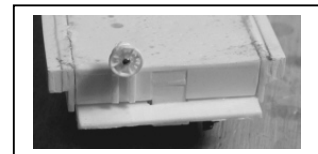
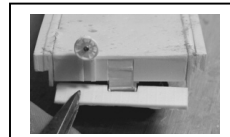
7 Glue the top pieces to the roofs and supports



8 Add the latches (5) behind the openings as shown.

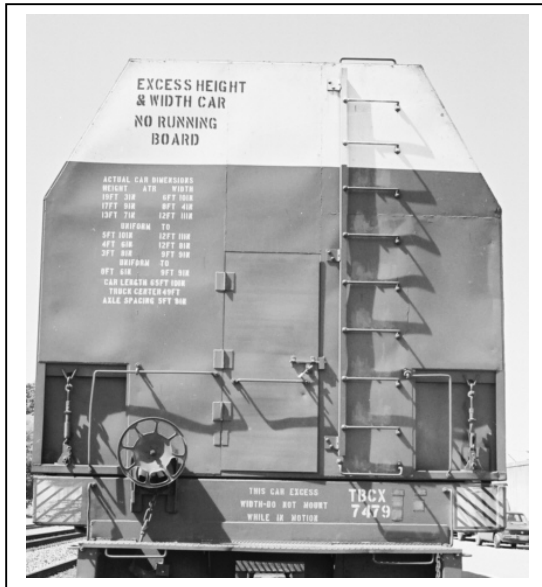


9 Add the End Platforms (23) as shown.



PAINING

- 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 car could be painted Yellow, Box Car Red, Tuscan or Mineral Brown. I've seen variations in the coloring due to weathering that would make any of the freight car reds appropriate..



DECALING

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