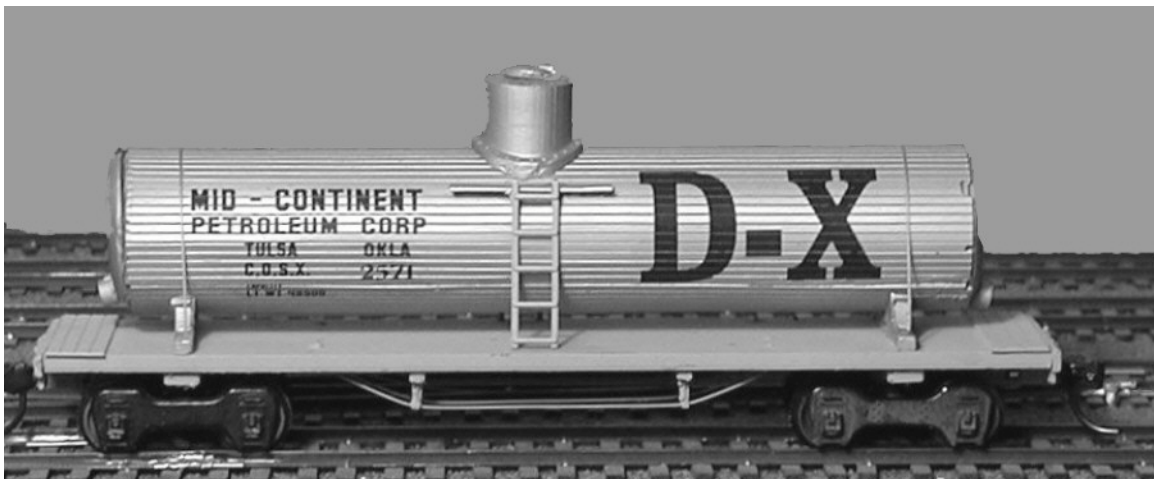


CONCEPT MODELS

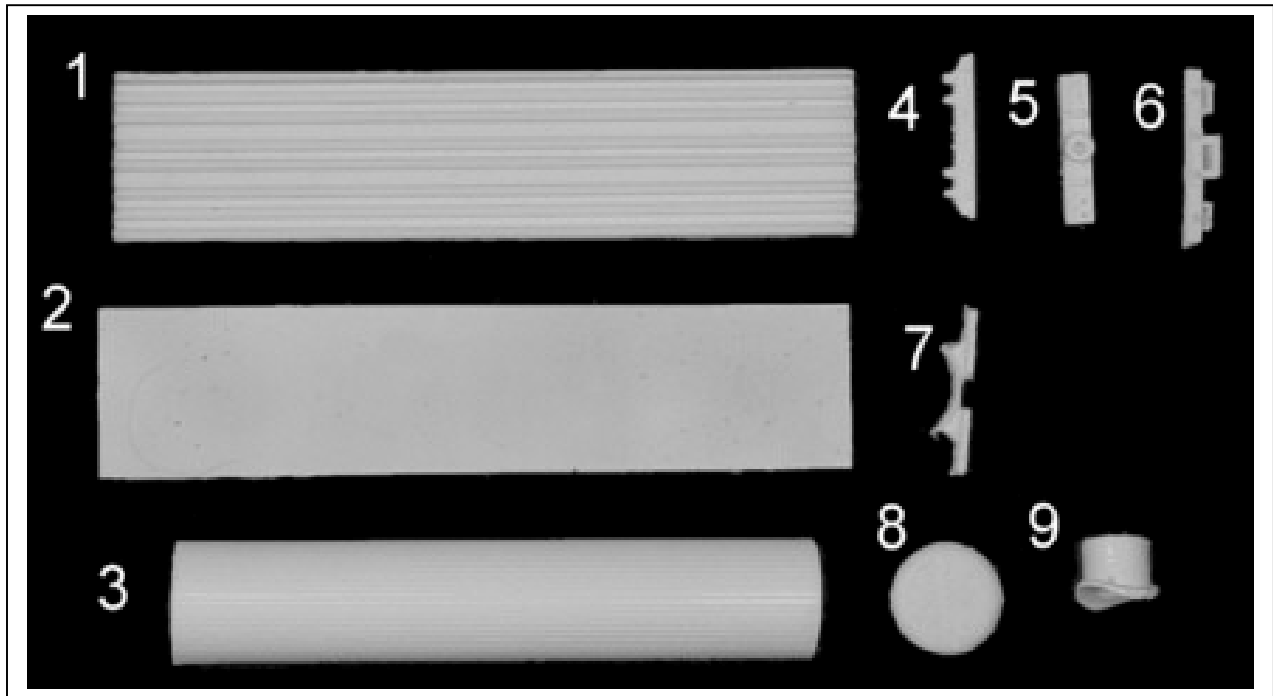
Web Address: <http://www.con-sys.com>
Email: concept_models@con-sys.com

8810 El Toro Way
Stockton, CA 95210



**INSTRUCTIONS FOR PRODUCT
OLD TIME D-X TANKER KIT**

PARTS – D-X TANK CAR



Item No.	Part No.	DESCRIPTION	QTY.
1	5803-1	Underframe	1
2	5803-2	Deck	1
3	5803-3	See addendum	
4	B-211	Queen Posts/Brace	2
5	B-118	Truck Bolster	2
6	B-22	End Sill	2
7	5803-7	Tank Support	2
8	5803-8	Tank End	2
9	5803-9	Dome	1
10	5803-10	Dome Hatch	1
11	B-255	Ladders	2
12	2009	Platforms	2

GENERIC PARTS	QTY.
3/16" Pan Hd. Screws	2
"K" Brake Cylinder	1
Brake Staff	1
Brake Wheel	1
Coupler Pockets	2
Decals (set)	1
Instructions	1

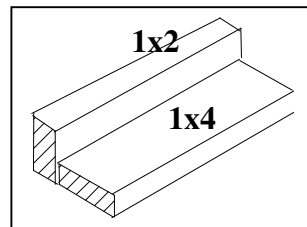
Tools

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

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

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

Pins (dressmaker type) for attaching brake wheels and other items.



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.

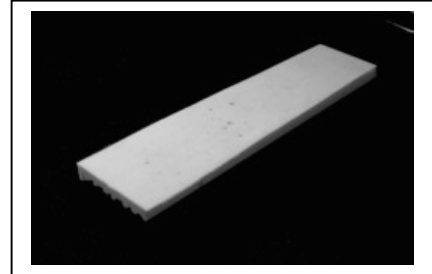
ASSEMBLY

1 Add one of the Tank Ends (8) to the Tank (3). Note the flat spot on the tank which is to be oriented down. The rivets should be horizontal. Before adding the second end it is suggested that you add weight according to your operation preferences.

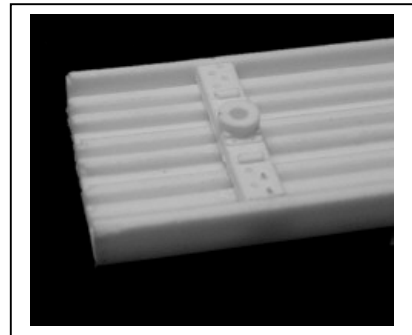
Short Wheelbase Engines – 2 oz.
Long Consists – 3 oz.



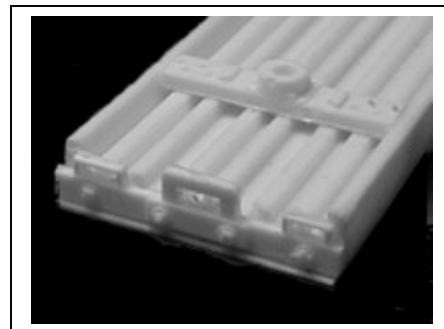
2 Cement the Deck (2) to the Underframe (1). Center and cement to the smooth side. The grooved side is the underside.



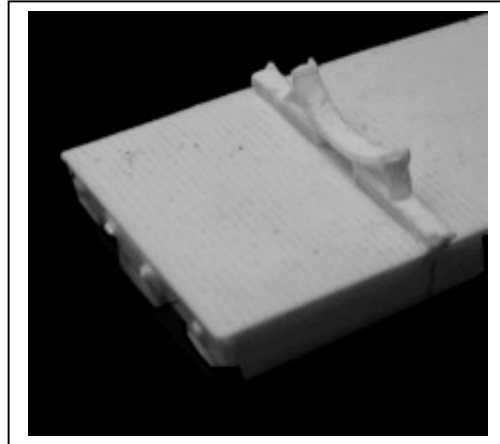
3 Add the Truck Bolster to each end of the underframe as shown. The center hole of the bolster should be 6 s.f. from the end of the underframe.



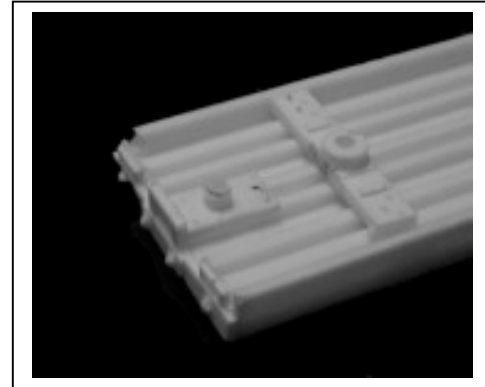
4 Add the End Sills (6). They should tuck under the lip of the deck.



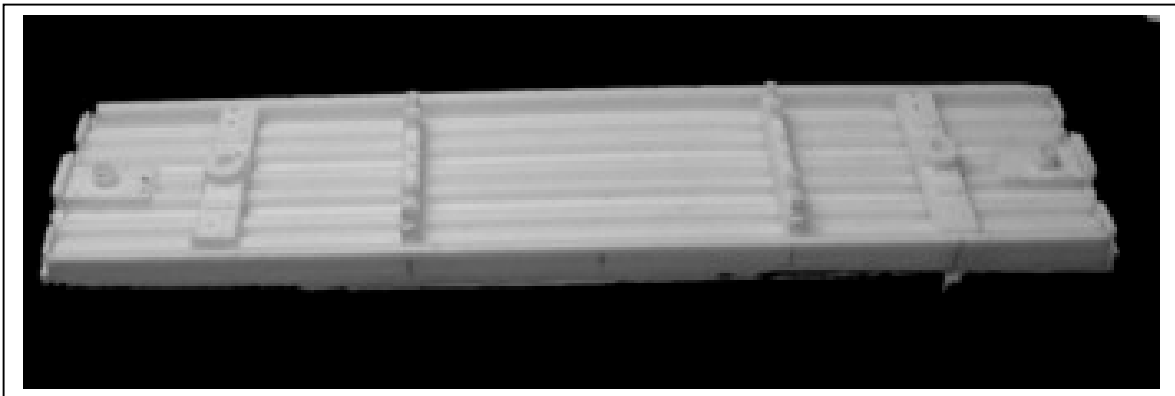
5 Install the Tank Supports (7) centered over the truck bolsters on the underside.



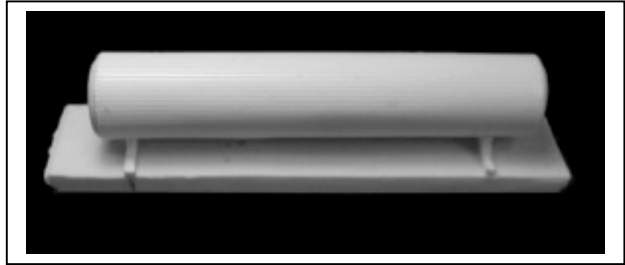
6 Install the coupler mount as shown. It may be necessary to revise the end sill to accommodate your preference in couplers.



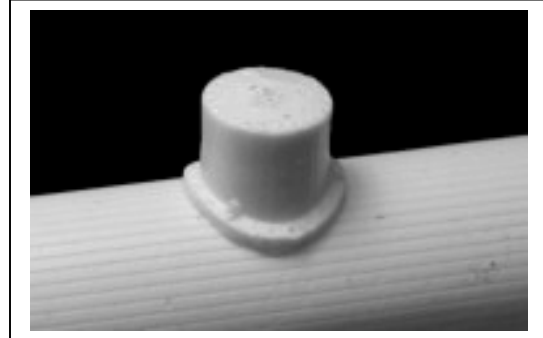
7 Install the Queen Posts centered 12 s.f. apart. (I made them too far apart on the pre-production model.) It will necessary to trim the ends for a good fit. You may add truss roads using your choice of wire or thread (not supplied).



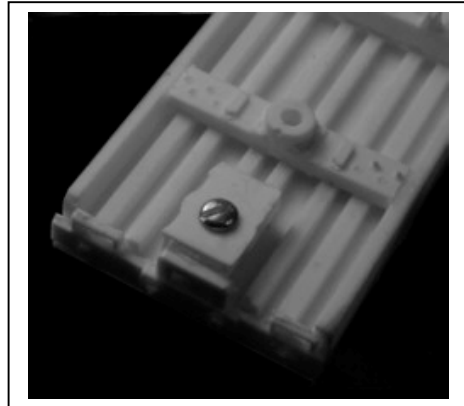
8 Mount the tank centered on the tank supports.



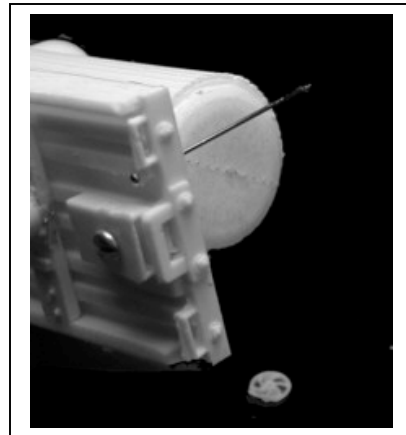
9 Add the Tank Dome (9) centered on the tank. Cement the Dome Hatch (10) to the dome.



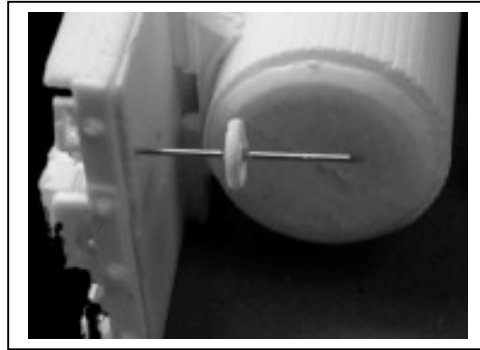
10 Add the Coupler Cover with the screw provided.



11 Drill a small hole for the brake staff (a long pin). Cement in place.



12 Install the brake and cement. After the cement has hardened, trim the excess length of the pin.



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. When painting with white do not over dilute with thinner. Twenty five percent thinner should be sufficient and will improve coverage. 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 improved the color.
- 2) The tank appears in photos as having been painted silver. In view of changing paint sources in the industry, a good source of silver paint is Ace Hardware. It is called enamel but I thin it 50-50 with lacquer thinner with excellent results. A ½ pint will give you a good start on repainting your car. 8-)
- 3) Overcoat entire car with Testor's Glosscoat prior to decaling. This will also dull silver chrome looking paints. If you decal over the Glosscoate as soon as it is 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.

