CONCEPT MODELS

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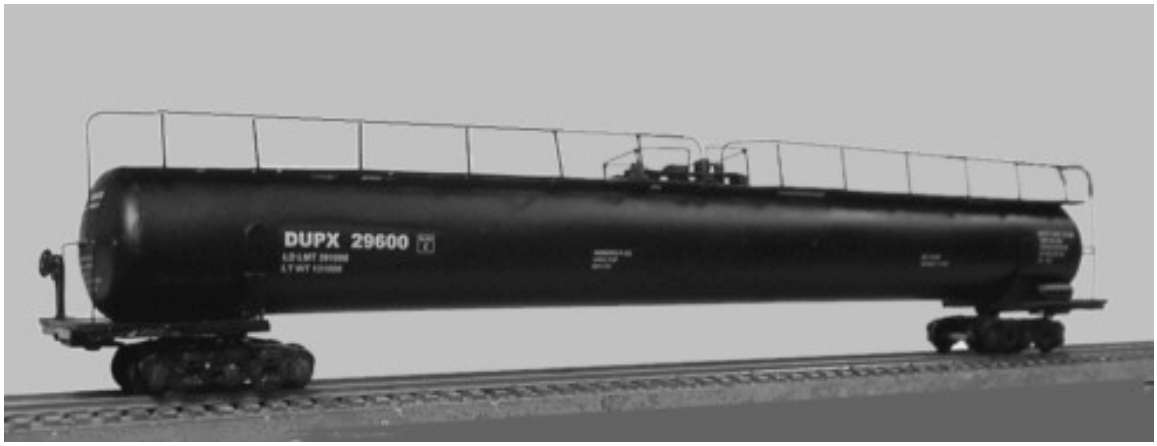
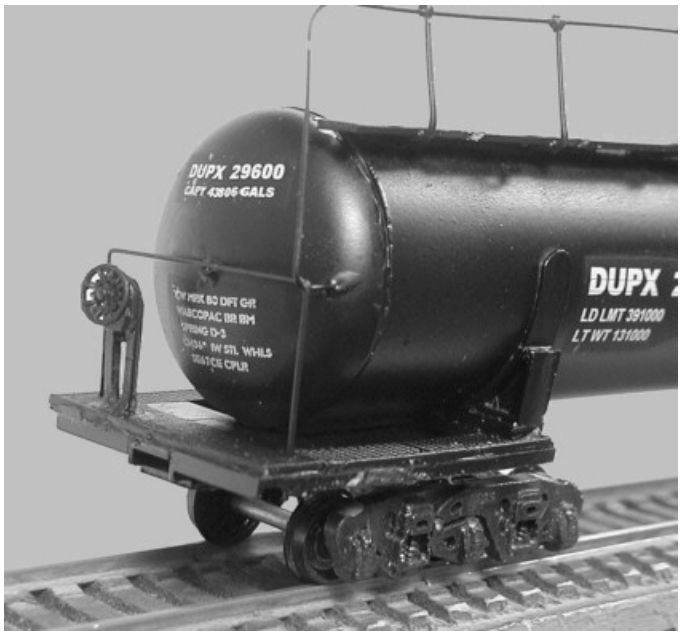
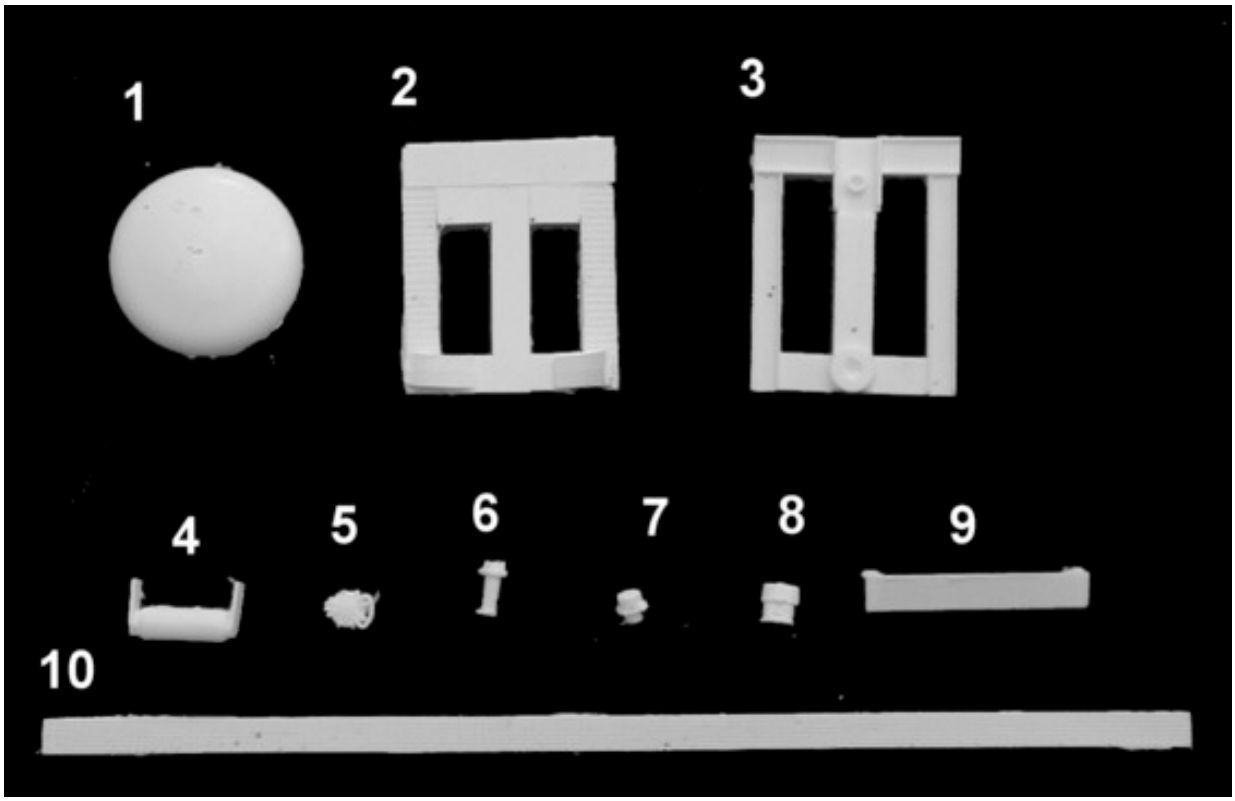




INSTRUCTIONS FOR PRODUCT
DUPX 296XX SERIES 6-AXLE TANK CARS

PARTS – DUPX 296XX TANKER

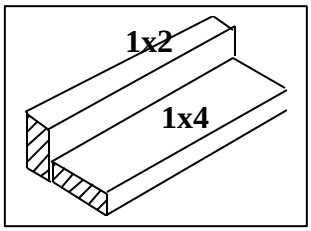


Item No.	PART NO. 8035	DESCRIPTION	QTY.
1	1000	Pressure Ends (pr)	1
2	8035-2	Tank Bolster – Top	2
3	8035-3	Tank Bolster – Bottom	2
4	1056	Brake Reservoir	1
5	1052	Man-way	1
6	1075	Fill Connection	1
7	1087	Relief Valve	1
8	8034-9	Dome/ Housing	1
9	1085	Dome Platforms	2
10	8031-11	Long Catwalks	2
11	1008	Coupler Covers	2
12	1051	87’ Tank Tube	1
13	8035-13	Tank Tube Template	1

PART NO	GENERIC PARTS	QTY.
1014	1/8” x 2-56 Screws	2
1018	Brake Valve	1
1021	Brake Stand	1
1010	Brake Wheel	1
1011	Small Pin	1
	.020” x .188” x 3’ (s.f.)	4
		1
	Decals	1
	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

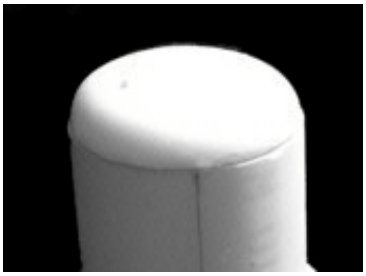
Some parts have lead encapsulated within them. In the event the lead is exposed for any reason, do not allow it to remain on the skin. Dispose of any lead shavings that may result. Obey all safety precautions of all suggested cements and assembly materials.

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

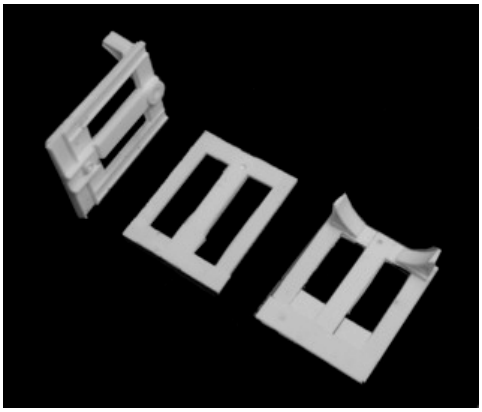
ASSEMBLY

1 Clean the entire Main Tank Tube with lacquer thinner. Work fast since the chemicals can soften the PVC if left on for a long time. The idea is to remove the printed markings and take off the gloss surface. Draw a line the entire length of the tube using a straight edge as shown. Transfer the position of the line as shown and draw a second line 180 degrees from the first. This provides a center line top and bottom of the tank tube.

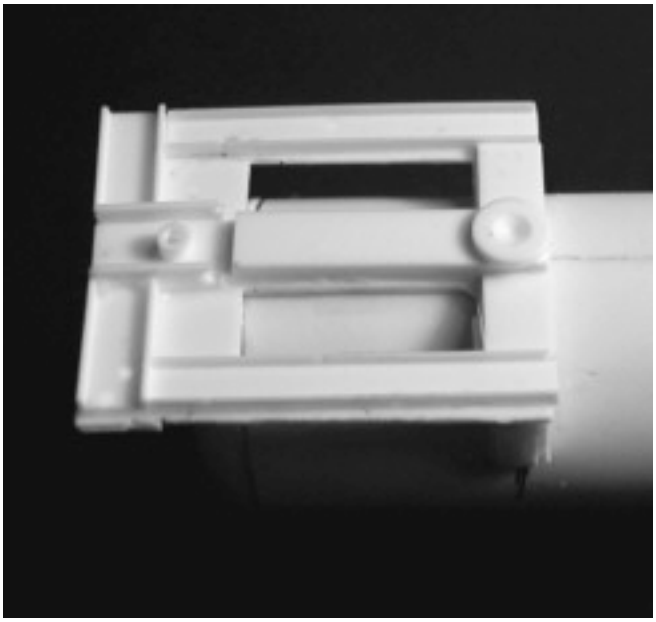
2 NOTE: There is an “A” end and a “B” end. Refer to the tank layout template. Cement the Tank Pressure Ends (1) to the tank tube.



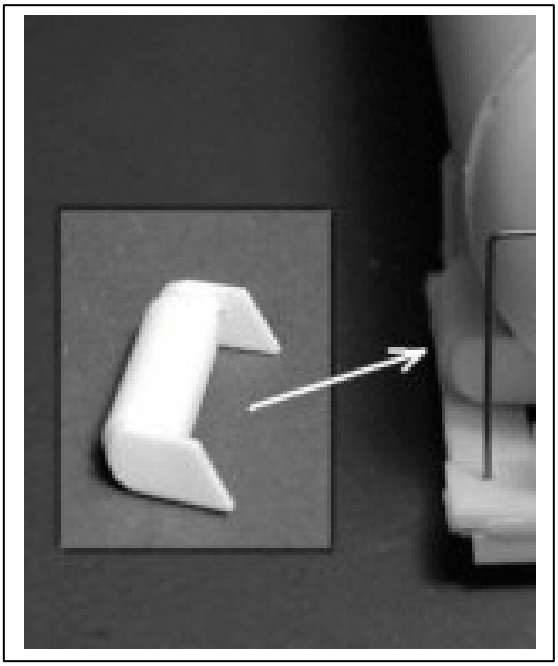
3 Cement the Tank Bolster Halves (2,3) together as shown.



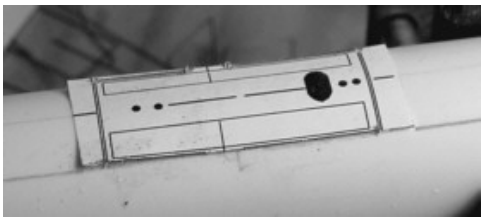
4 Use the provided template to install the Tank Bolsters. Make sure the part is straight (perpendicular to the tube length. Round one end of the .020" x 3' (s.f.) tank braces. Form to the curve of the tank and cement in place as shown.



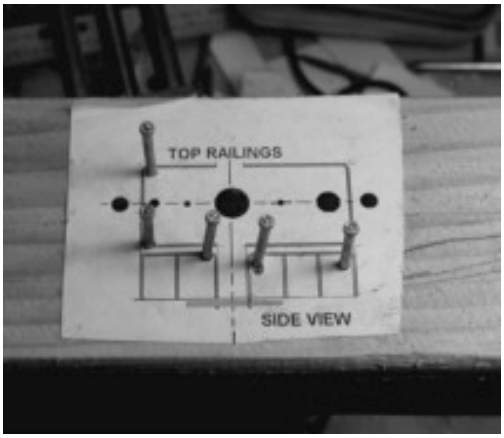
5 The Brake Reservoir mounts need to be filed to make the brackets to appear attached to the bottom of the tank. Attach the Brake Reservoir (4) as shown. File the mounts slightly to get a tight fit.



6 Clip the part of the template as shown and apply to the tank tube. The picture shows a generic template. A template and layout guide is provided for this specific car. Rubber cement is a good solution since it can be removed by rubbing or with lighter fluid. The upright stanchions go at the corners (Athearn – not provided). Start with a #72 drill which is close for the .020" handrail at the center of the template Enlarge as necessary for the upright stanchions – up to #60 drill..



7 Use the other diagram near the top of the template to make a bending fixture similar to the one pictured. The picture shows that these few are all the nails needed to perform all of the bends. Use .020" music wire to make all handrails. Again a generic template is shown. For this car all you need are the three nails to the left.



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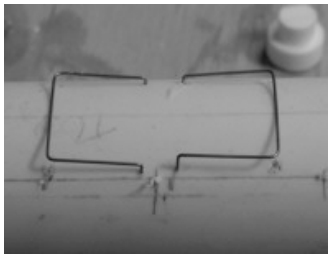
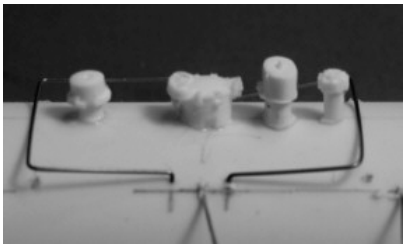
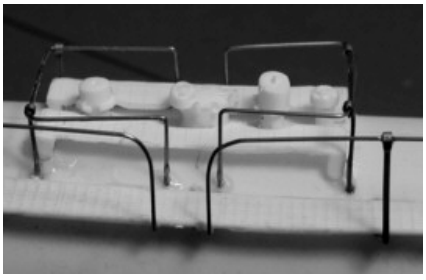
1) Install the handrails as shown. Just press them all the way down for the next step.
2) Add the details as shown.
3) Add the dome platform catwalks within the boundary of the handrails.
4) Add the corner stanchions. I used the long Athearn stanchions (not supplied) by straightening and then attaching to the handrails.

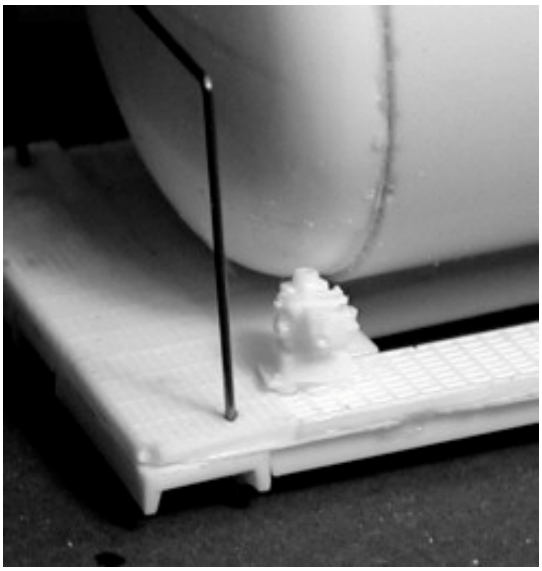




9 Use the tank template to measure off the handrail stanchion spacing for the catwalk. Refer to the Standard Catwalk Instruction sheet for the installation of catwalks.



10 Install the brake valve on the same end as the brake reservoir but on the opposite side of the car.



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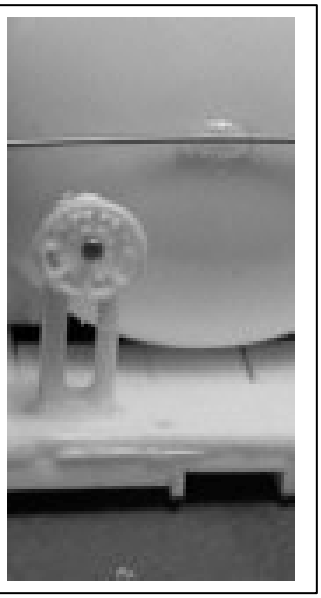
NOTE: This differs from standard freight car practice. Pictures show the brake stand on the opposite end of the car as the brake equipment.

Add the brake stand and brake wheel assembly. The pin is used to attached the brake wheel.



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) 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.
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.

Decals are installed in similar places on all whale tank cars.