

CONCEPT MODELS

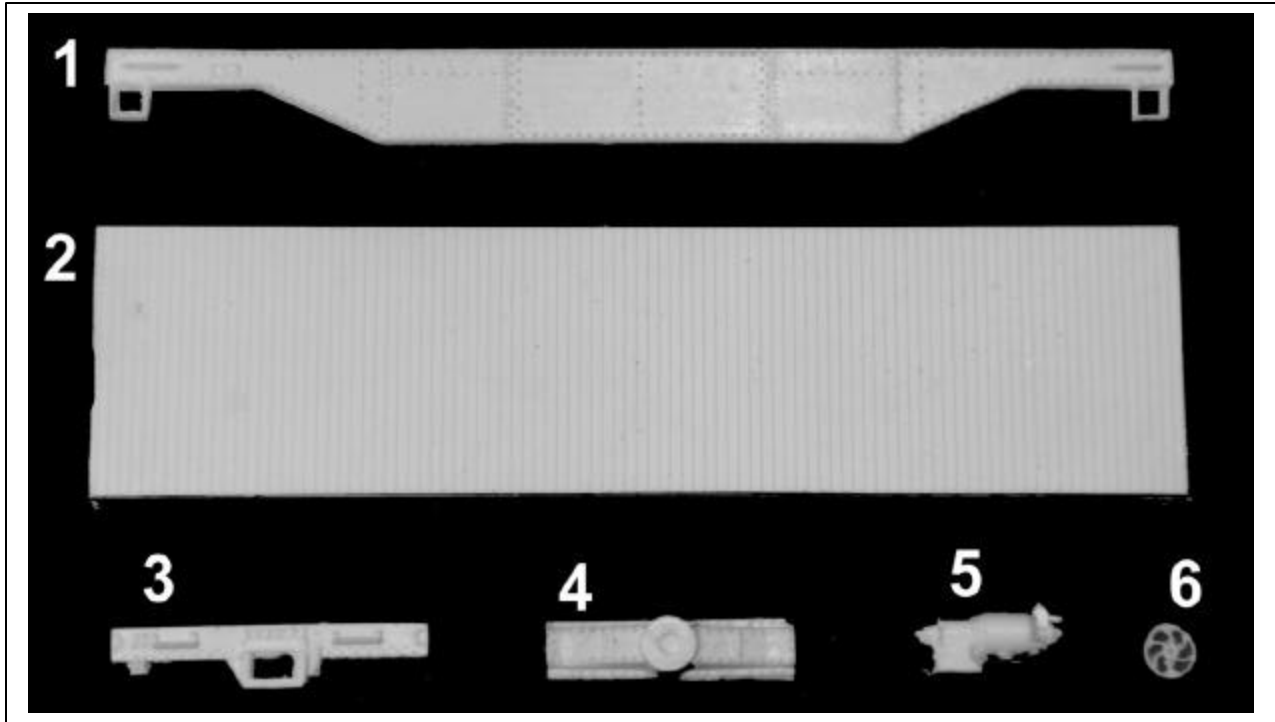
Web Address: <http://www.con-sys.com>
Email: concept_models@con-sys.com

8331 Sheep Ranch Rd.
Mountain Ranch, CA 95246



**INSTRUCTIONS FOR PRODUCT:
ERIE 75-TON FLAT CAR KIT**

PARTS – ERIE 75-TON FLAT CAR



Item No.	Pt. No.	DESCRIPTION	QTY.
1	7515-1	Side Sills	2
2	7515-2	Deck	1
3	B-25	End Stills	2
4	B-137	Bolsters	2
5	7515-	K-Brake Valve	1

GENERIC PARTS	QTY.
1/8" x 2-56 Pan Hd. Screws	2
Coupler Pockets (set)	2
Brake Wheel	2
Brake Staff (long pin)	2
Decals (set)	1
Instructions	1

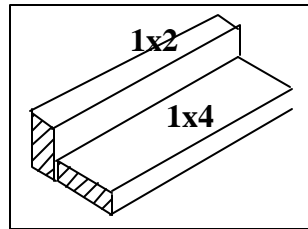
Tools

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.

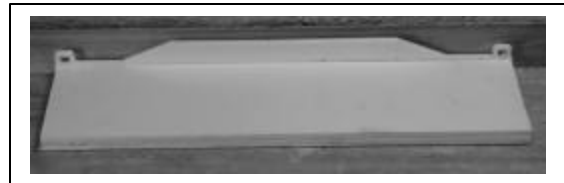
Gluing with ACC Cements – USE WITH CARE

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

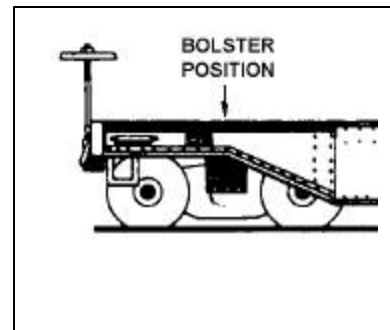
1 With the Deck (2) grooved side down, cement one of the Side Sills (1) as shown. After the cement is set, cement the other side sill to the deck.



2 Cement the end sills as show. The deck should be exposed when the coupler hole is even with the underside of the deck.



3 Note the relationship of the bolsters to the side sills. Cement the Bolsters as shown, centered .

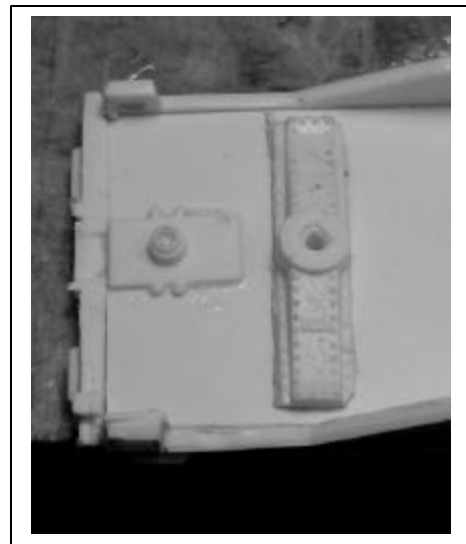


4 Cement the K-brake as shown.

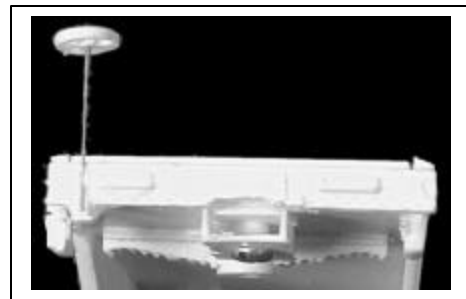
There is now A-B designations to the ends, therefore the unit need only be cemented centered to the car length but offset from the center as shown.



5 If you choose to use the draft gear as provided (like I do), cement the upper half of the draft gear box positioned as shown. The longer end of the draft gear box points to the center of the car. It will be necessary to modify the end sill as shown.



6 Cement the brake wheel staffs and brake wheels as shown.



PAINTING

- 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) Overcoat entire car with Testor's Glosscoat prior to decaling. If you decal over the Glosscoat 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.