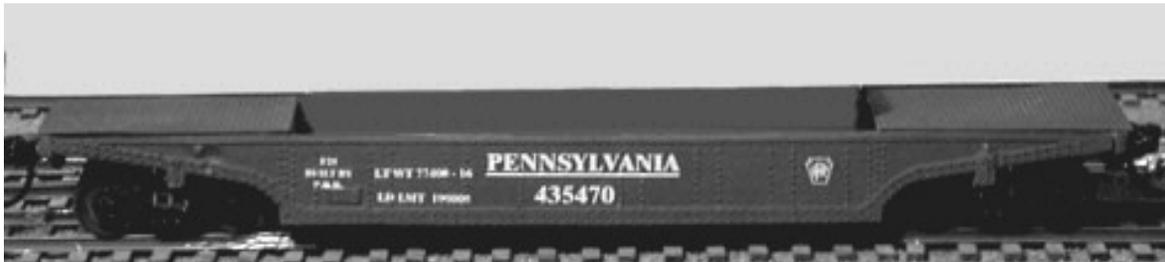


CONCEPT MODELS

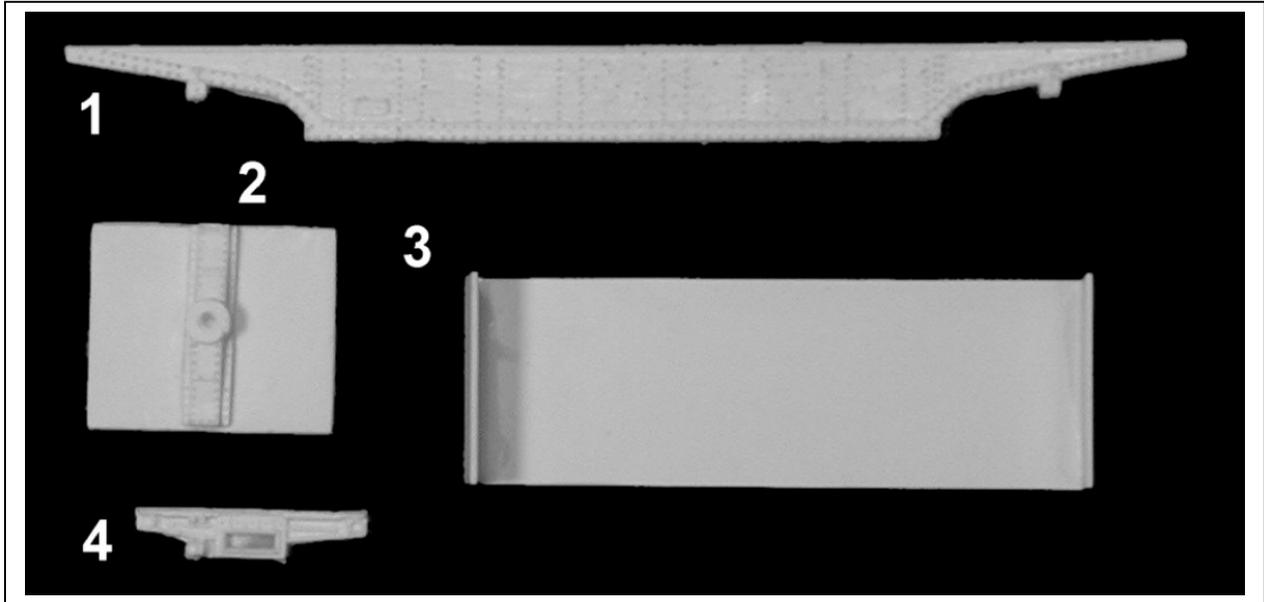
Web Address: <http://www.con-sys.com>
Email: concept_models@con-sys.com

8810 El Toro Way
Stockton, CA 95210



**INSTRUCTIONS FOR PRODUCT
PRR 40' WELL FLAT**

PARTS – PRR SEMI-WELL FLAT



Item No.	DESCRIPTION	QTY.
1	Side Frames	2
2	Truck Bolster Blocks	2
3	Well Assembly	1
4	End Sills	2
5		
6		
7		
8		
9		

GENERIC PARTS	QTY.
3/16" Pan Hd. Screws	2
Brake Wheel	2
Large Pins (Brake Staffs)	2
Coupler Pocket (Set)	2
Decals (set)	1
Instructions	1

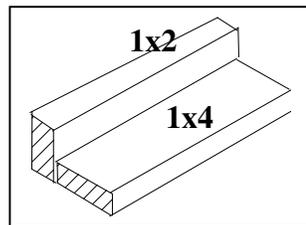
Tools

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

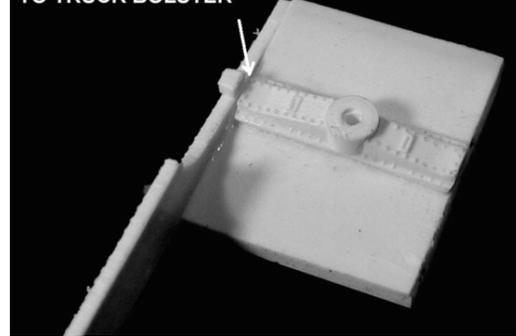
ACC cements allow the modeler to work very quickly. A general rule is to use the thin cements to glue long joints taking advantage of capillary action that makes the cement run the length of the seam. The thicker cement is suited to applying large area parts to each other. An accelerator can be applied 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.

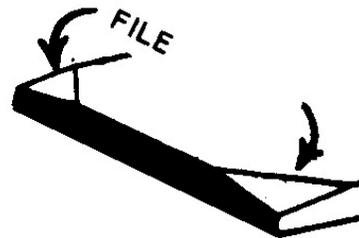
ASSEMBLY

1 Glue the Side Frames(1) to the Bolster Blocks (2) as shown. Make a pair and then join the two 'L' shapes to make the car body.

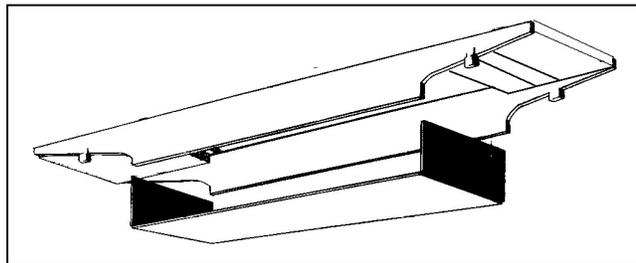
ALIGN LIFT PAD
TO TRUCK BOLSTER



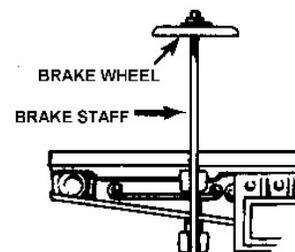
2 File the corners of the bolster block as shown.



3 Install the well assembly. It may be necessary to file down the well assembly for a good fit.



4 Install the brake staff and brake wheel by cutting of the provided pin and install as shown. Glue the flat part of the coupler pocket centered on the bolster blocks. You will probably want to cut away all or part of the cast-on coupler pocket. The longer end of the coupler pocket goes toward the car center.



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

