

# CONCEPT MODELS

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

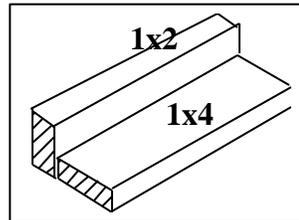
8810 El Toro Way  
Stockton, CA 95210



**INSTRUCTIONS  
ROCKET MOTOR FLAT CARS  
KCS 7130214  
UP 500XX  
FEC 1001**

## Tools

All basic model workers tools – files, motor-tool with fine burrs, hobby knife, drills, 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.

## Gluing with ACC Cements – USE WITH CARE

**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.

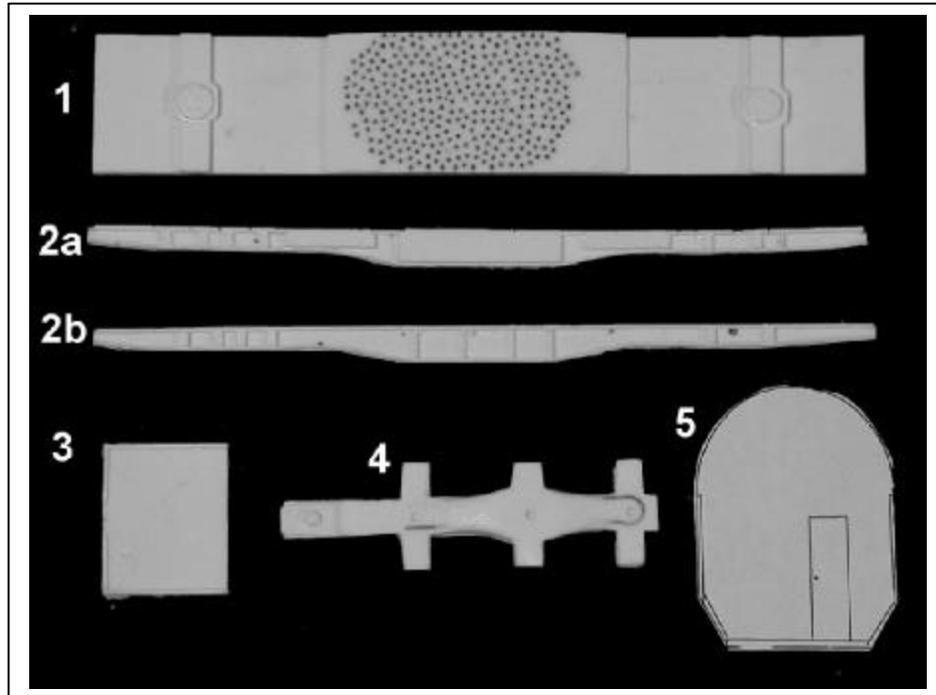
ACC cements allow the modeler to work very quickly. A general rule is to use the thin cements to glue long joints taking advantage of capillary action that makes the cement run the length of the seam. The thicker cement is suited to applying large area parts to each other. An accelerator can be applied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

**IF YOU WANT PAINT TO STICK** Wash the parts before assembling with a dish washing detergent such as “Dawn”. Rub lightly with a soft sponge. Use an enamel primer.

## PARTS – ROCKET MOTOR FLATS



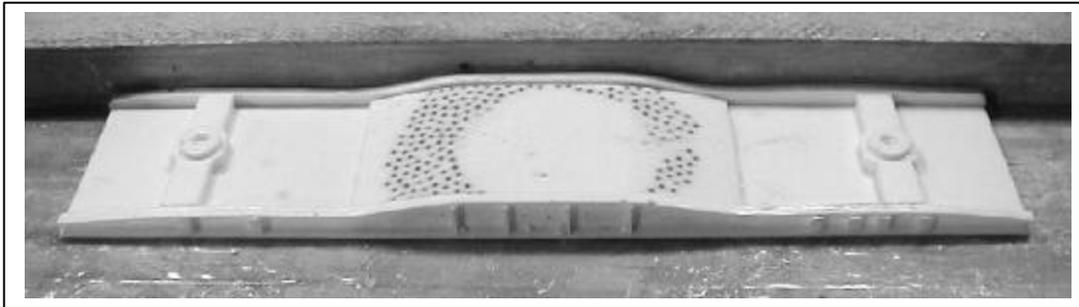
Item	Part No.	DESCRIPTION	QTY.
1	2509-1	Floor Base	1
2a	2509-2	Side Sill - UP & FEC	2
2b	2511-2	Side Sill - KCS	2
3	2509-3	End Platform	2
4	2509-4	Truck Bolster	2
5	2509-5	Canopy Ends	4
SHEET STYRENE			
6		Canopy Floor .040"x7'6"x43'	1
7		Canopy Side Braces .040"x4'3"x43'	2
8		Canopy Sheathing .020"x29'x44'	1
9		Canopy Lower Side .040"x3'0"x43'	2

Part No.	GENERIC PARTS	QTY.
1014-0	3/16" Pan Hd. Screws	2
1020-0	Brake Reservoir	1
1018-0	Brake Valve	1
1019-0	Brake Cylinder	1
1021-0	Brake Stand	1
1010-0	Brake Wheel	1
1011-0	Pin, Short	1
1012-0	Coupler Cover	2
1016-0	3/8" Pan. Hd. Screw	2
	KCS Decals	1
	FEC/UP Decals	1
	Instructions	1

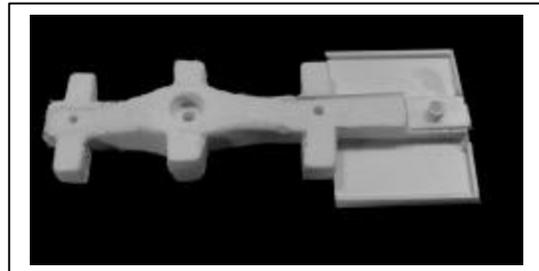


## ASSEMBLY

**1** Smooth and square off the floor base by removing any casting flash. Cement the Side Sills to the Floor Base as shown.



**2** Cement the End Platform to the Truck Bolsters as shown. Note the side extensions are face down on the finished part when on the rails.



**3** Add the brake mechanism to the brake stand then add brake wheel using the small pin supplied.

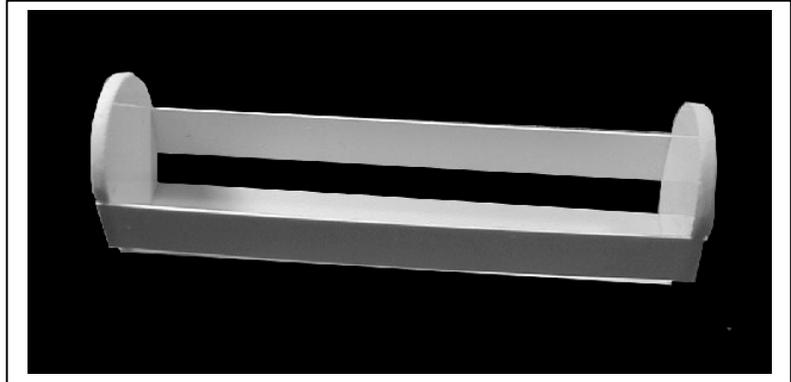


## Canopy Construction

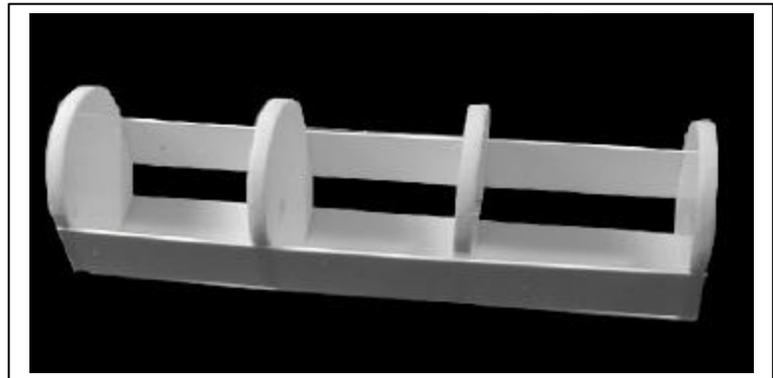
**1** Cement two of the Canopy Ends to the Canopy Floor flush with the ends. The other two ends will be added later.



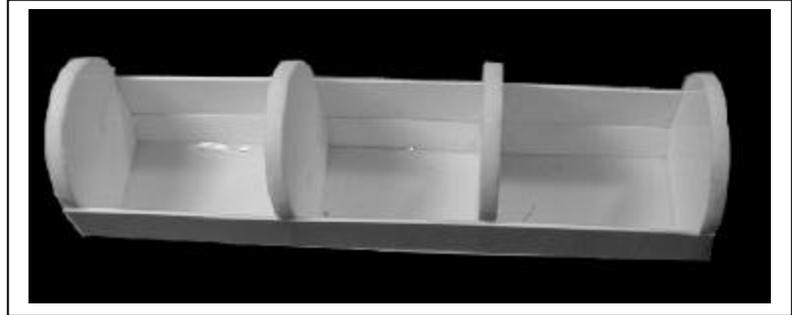
**2** Cement the Side Braces in Place as shown.



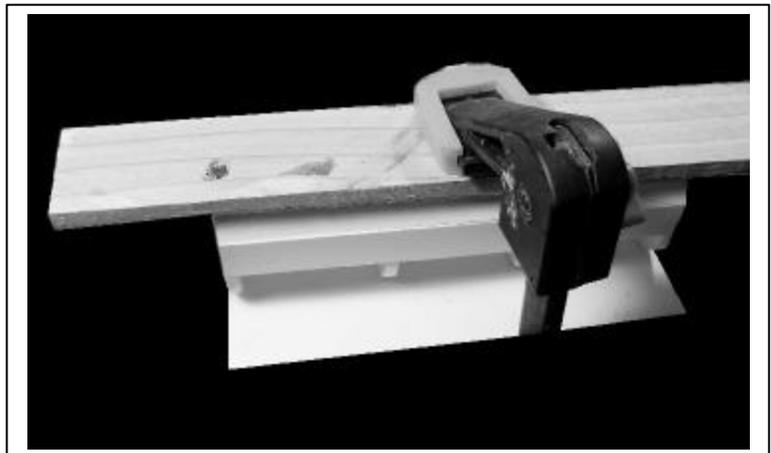
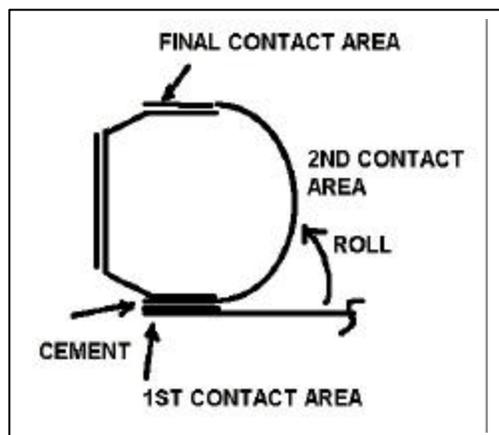
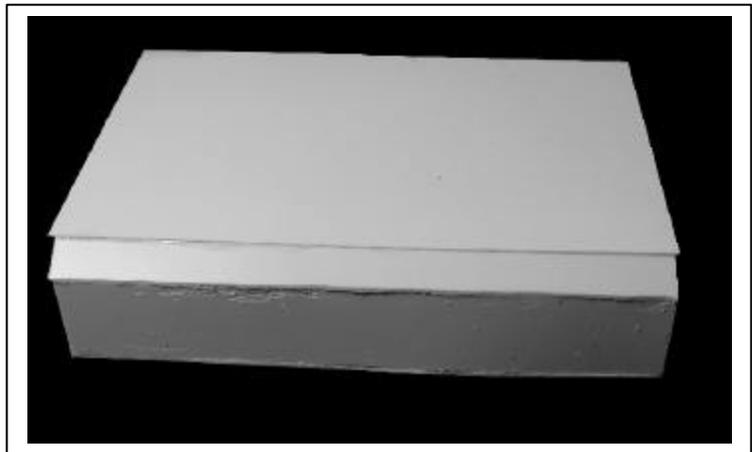
**3** Now add the remain two Canopy Ends between the ends as shown. Cement in place.



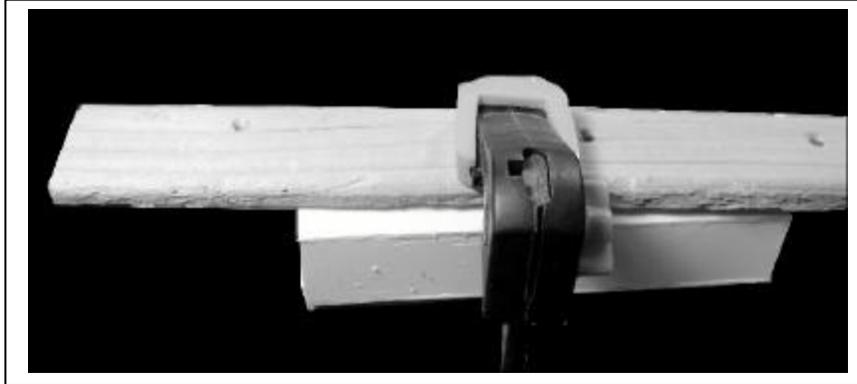
**4** Now add the Lower Sides.  
Add at least two ounces of weight in the bottom of the canopy to improve tracking.  
(not supplied) Cement in place to prevent movement.



**5** Use a solvent cement in the first contact area to attach the Canopy top to the side brace and allow to completely dry



6 For 2nd and 3rd segments it is suggested that the canopy be clamped between wood blocks for even clamping pressure. Use QUIK-GRIP cement the styrene top to the curved top of the canopy. Immediately use a solvent cement for the final contact area. Roll the canopy assembly to make the canopy top engage the canopy end segments and keep rolling until the solvent cement segment is down on the work table. Keep clamped until **COMPLETELY DRY**.



7 Use Squadrons Green putty to fill in any of the seams. File, then **LIGHTLY** sand smooth

## **PAINTING**

If you followed the instructions for cleaning the parts before assembly, you are ready to paint. A primer 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 with white and will ensure coverage.

- 1) Now that Floquil has left the scene I'm buying primer from ACE hardware as an enamel part of their rust proof line. A half pint goes a long way. Especially when you thin it 3 parts lacquer thinner to 1 part paint.
- 2) 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 improves the color.
- 3) After painting, overcoat entire car with Testor's Glosscote prior to decaling. If you decal over the Glosscote as soon as it is just 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 room temperature 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.

