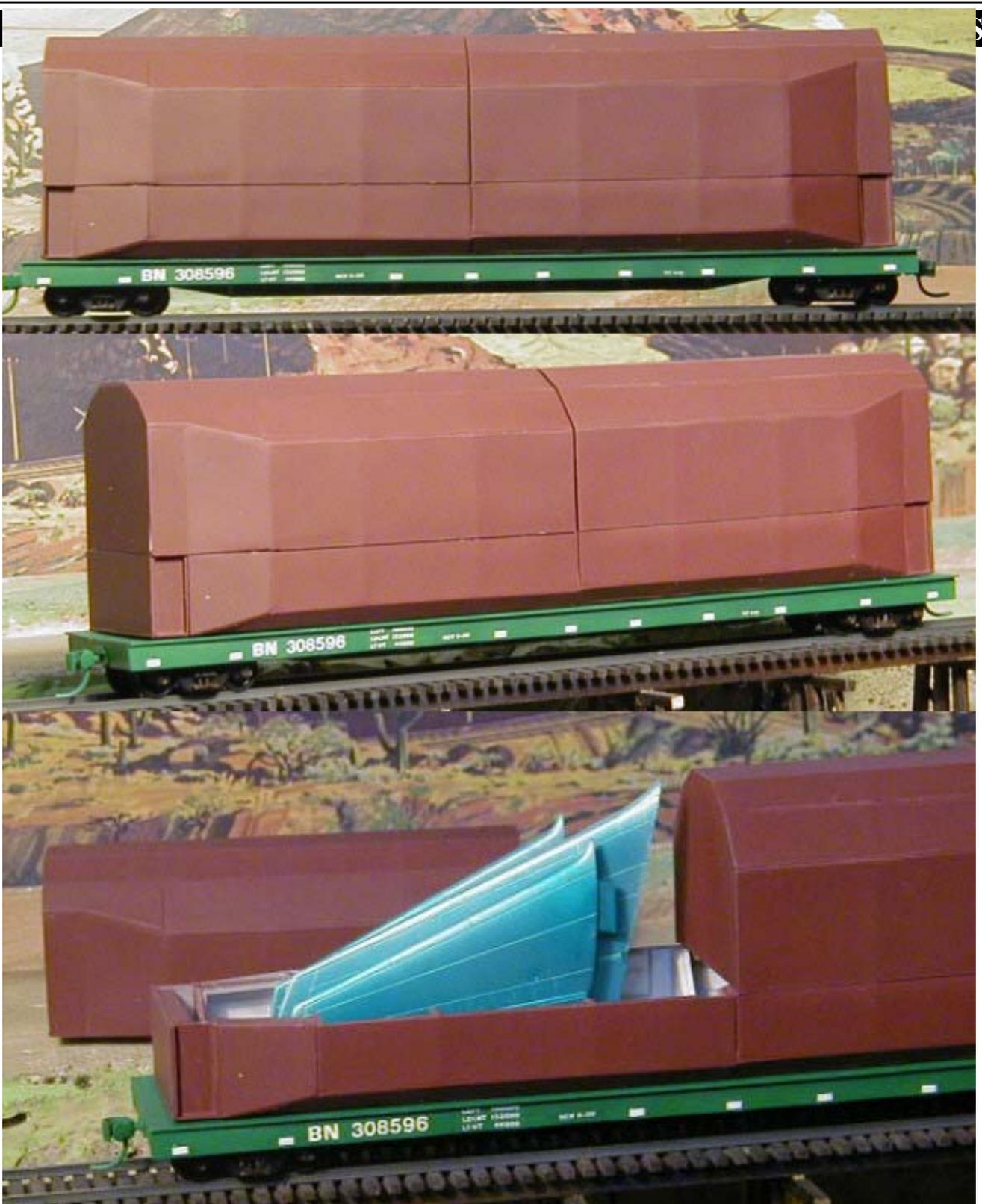


# CONCEPT MODELS

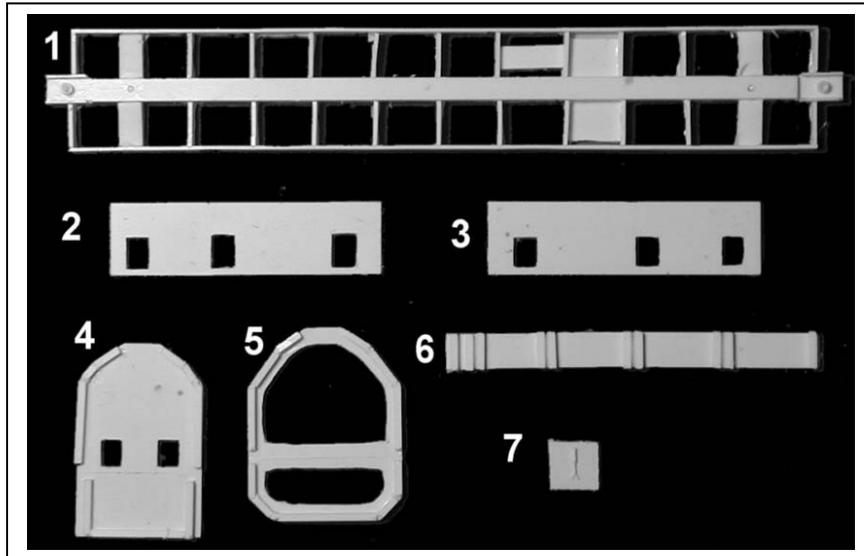
Web Address: <http://www.con-sys.com>  
Email: [concept\\_models@con-sys.com](mailto:concept_models@con-sys.com)

8331 Sheep Ranch Rd.  
Mountain Ranch, CA 95246

**INSTRUCTIONS FOR PRODUCT  
BOEING UGLY WELL FLAT**



# PARTS – Boeing Ugly Well Flat



| Item No.                                   | Part No. | DESCRIPTION        | QTY. |
|--|----------|--------------------|------|
| 1  | 2507-1   | Frame              | 1    |
| 2  | 2507-2   | Left Upper Side    | 2    |
| 3  | 2507-3   | Right Upper Side   | 2    |
| 4  | 2507-4   | End                | 4    |
| 5  | 2507-5   | Center Frames      | 8    |
| 6  | 2507-6   | Top/Assembly Guide | 2    |
| 7  | 2507-7   | Hold Downs         | 16   |
| <b>.040" Styrene – sized in Scale Feet</b> |          |                    |      |
| Top Deck ' x '                             |          |                    |      |
| Middle Top 30' x 2'6"                      |          |                    | 4    |
| Lower Top 30' x 4'3"                       |          |                    | 4    |
| Lower Side 22' x 3'0"                      |          |                    | 4    |
| Bottom/Side 22' x 2'9"                     |          |                    | 4    |
| Top L & R Ext. Side 6' x 9'6"              |          |                    | 4    |
| Bottom L & R Ext. Side 6' x 5'             |          |                    | 4    |
| L&R Next To Car End 7' x 2'3"              |          |                    | 4    |
| L & R Ladder Well Filler 5' x 1'9"         |          |                    | 4    |
| Bottom Filler Gusset 6'x4'                 |          |                    | 4    |

| 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    |
|          |                      |      |
|          |                      |      |
|          | Decals (set)         | 1    |
|          | Instructions         | 1    |

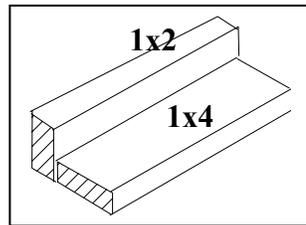
## Tools

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.

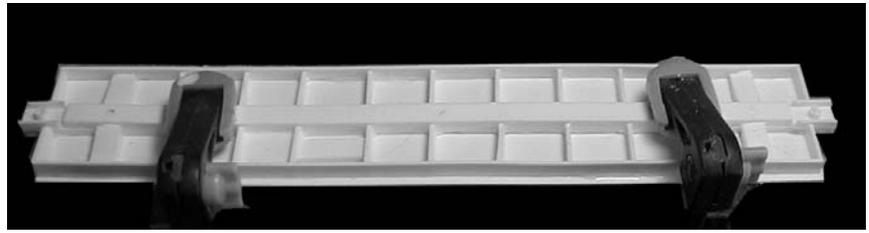
## Gluing with ACC Cements – USE WITH CARE

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.

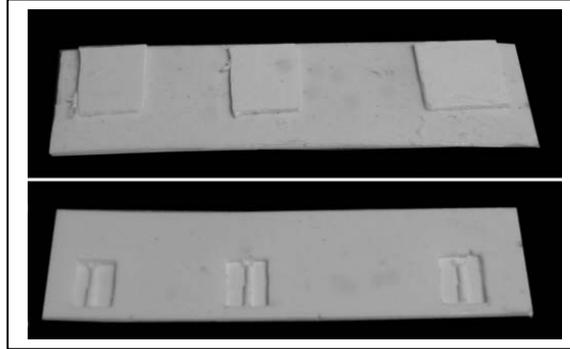
**PREPARATION** Wash the parts before assembling with a dish washing detergent such as “Dawn”. Rub lightly with a soft sponge.

## ASSEMBLY

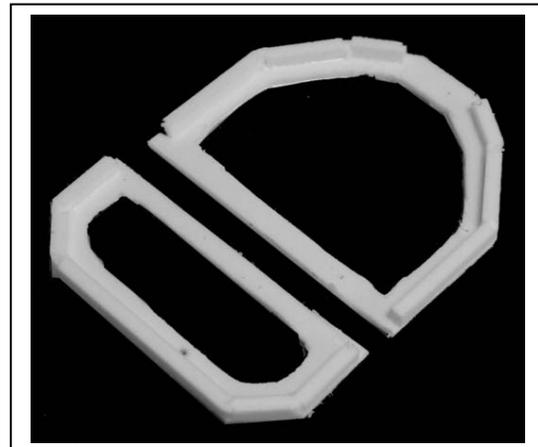
**1** Cement the styrene Top Deck to the Frame (1). Clamp in place.



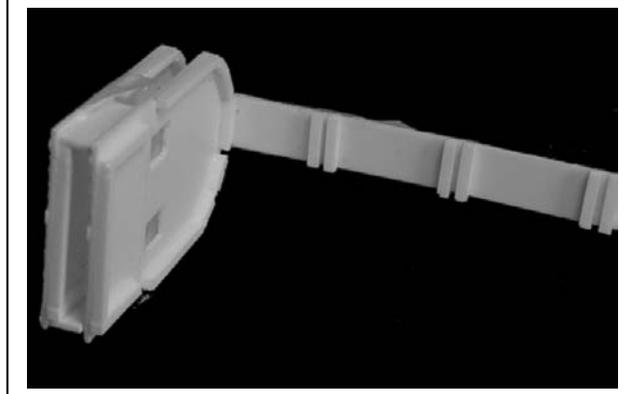
**2** Install the Hold Downs (7) into the left & Right Upper Sides (2 & 3) and also two only of the End (4).



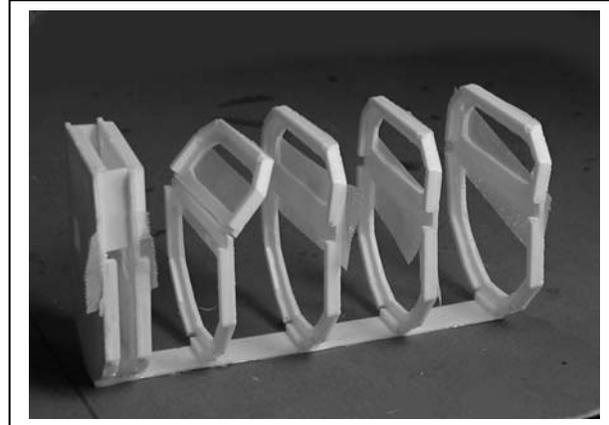
**3** The Ends (4) and Center Frames (5) must be cut apart by increasing the depth of the scribe mark and carefully snapping in two starting at the edges. Use tape to re-connect the pieces as you cut them. The canopy is assembled in two units with the top and bottom together and you can then separate them after assembly



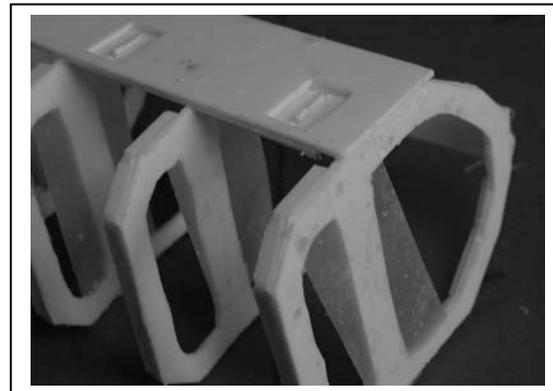
**4** Install two ends in the top as shown. The end with the hold downs faces out as the end of the car. The interior end without hold downs is oriented so the extended lip of the piece point towards the center of the canopy. Add the L& R Ladder Filler using the lip of the end to space the interior end brace. Add the L&R Next to Car End piece to the upper sides of these two pieces.



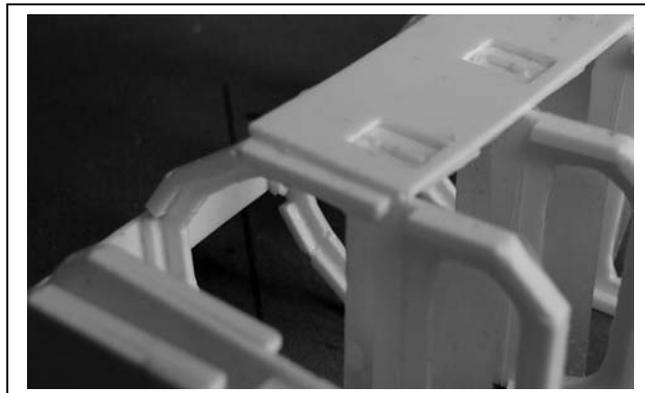
**5** Add the Center Frames (5) to the Top (6) with the lips pointing towards the center of the canopy.



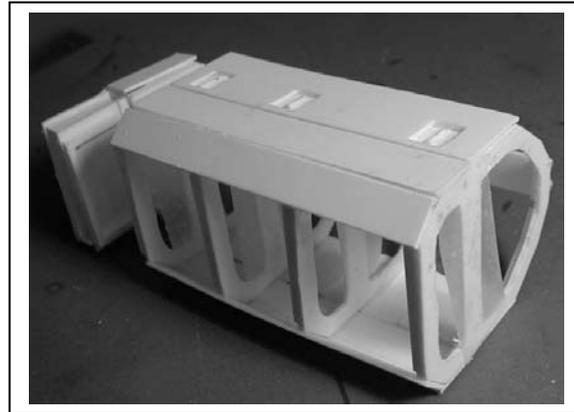
**6** Attach the Left Upper Side (2) to the canopy assembly starting with the end shown.



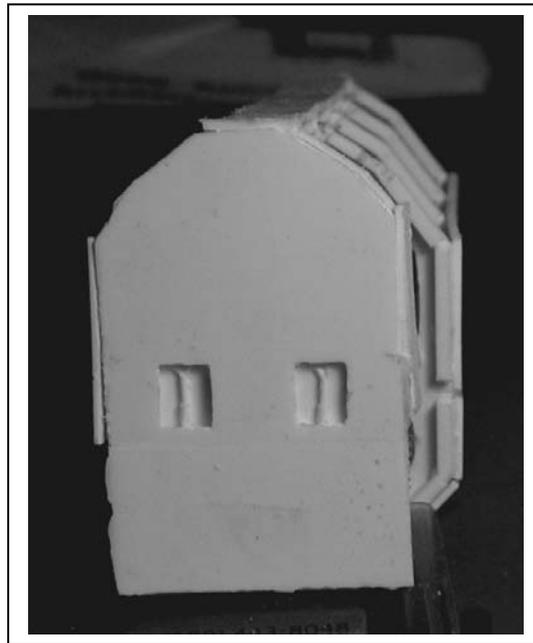
**7** Cement the other End of the Left Upper Side to the end center frame leaving the lip exposed. Go back and cement the center frames keeping them aligned. Do the right side in a similar manner making sure the lip of the end center frame is exposed.



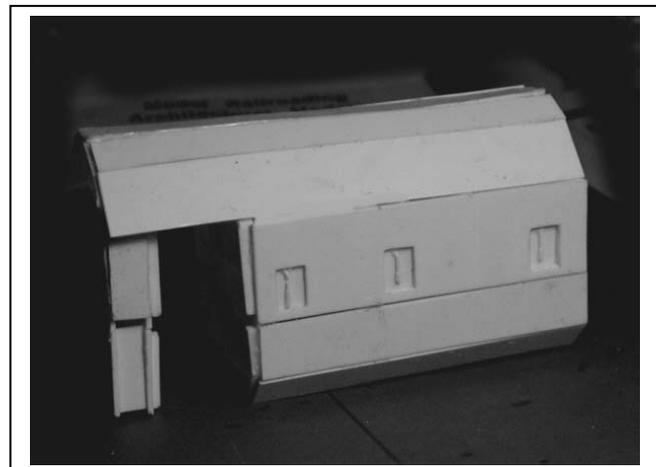
**8** Add the Lower Side and the Bottom Side as shown to both sides of the canopy.



**9** Check alignment of the center frames. File down any that are out of line.

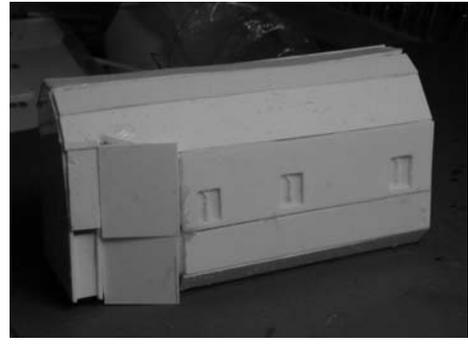


**10** Add the Middle Top and Lower Top as shown.



## 11 Top and Bottom

Extension Sides as shown.  
After the cement has set, cut  
away the excess material and  
file to shape.

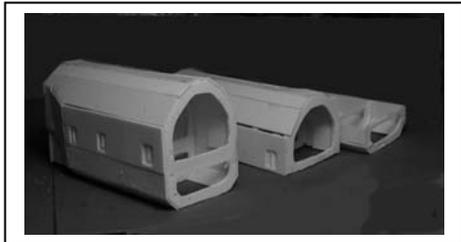


## 12 Add the Bottom Filler

Gusset and remove the  
excess material after the  
cement has set. File to a  
smooth surface.



**13** You should split the canopies at the time  
by removing the tape on the bracing. Carefully  
cut apart any area where cement spillage has  
cemented the top and bottom together.



**14** Use Squadron's Green Putty to fill  
all seams. It is suggested that you make  
a rough coat first. After first coat use a  
coarse file to level the putty. Add a  
second coat to improve the surface.  
When dry, use a fine file to dress any  
bumps. Sand using a fine sandpaper.



## PAINTING

If you followed the instructions for cleaning the parts before assembly, you are ready to paint. A primer is recommended. Allow to dry thoroughly before proceeding with any of the color coats. 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.

- 1) Dark colors can be diluted up to 50-50. White on top of primer is recommended for colors ..
- 2) 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) Use a scissors to cut out the decal segment you are going to apply.
- 2) Dip the decal in 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.

