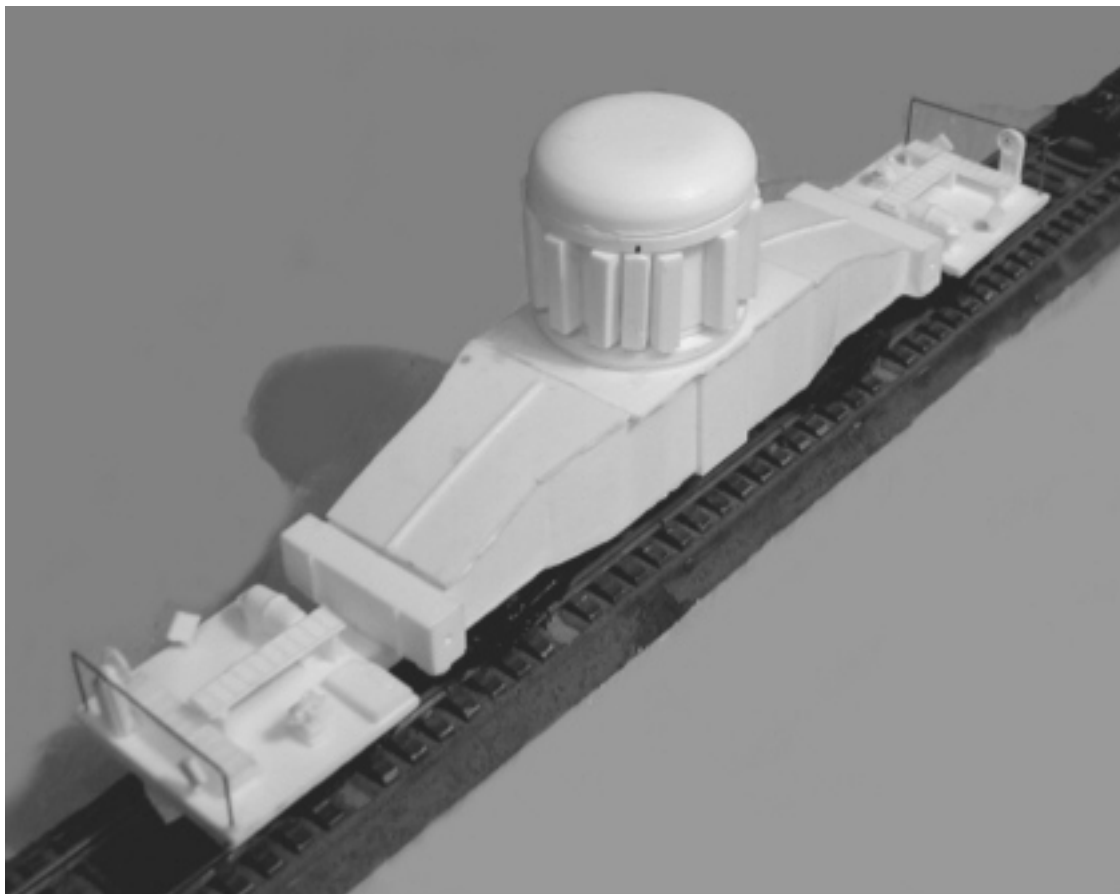


# CONCEPT MODELS

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

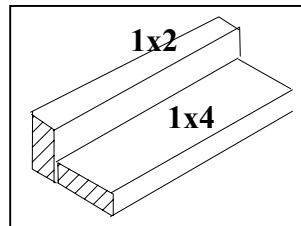
8331 Sheep Ranch Rd.  
Mountain Ranch, CA 95246



**DODX 288XX SPECIAL NUCLEAR FLAT CAR  
ASSEMBLY INSTRUCTIONS**

## 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

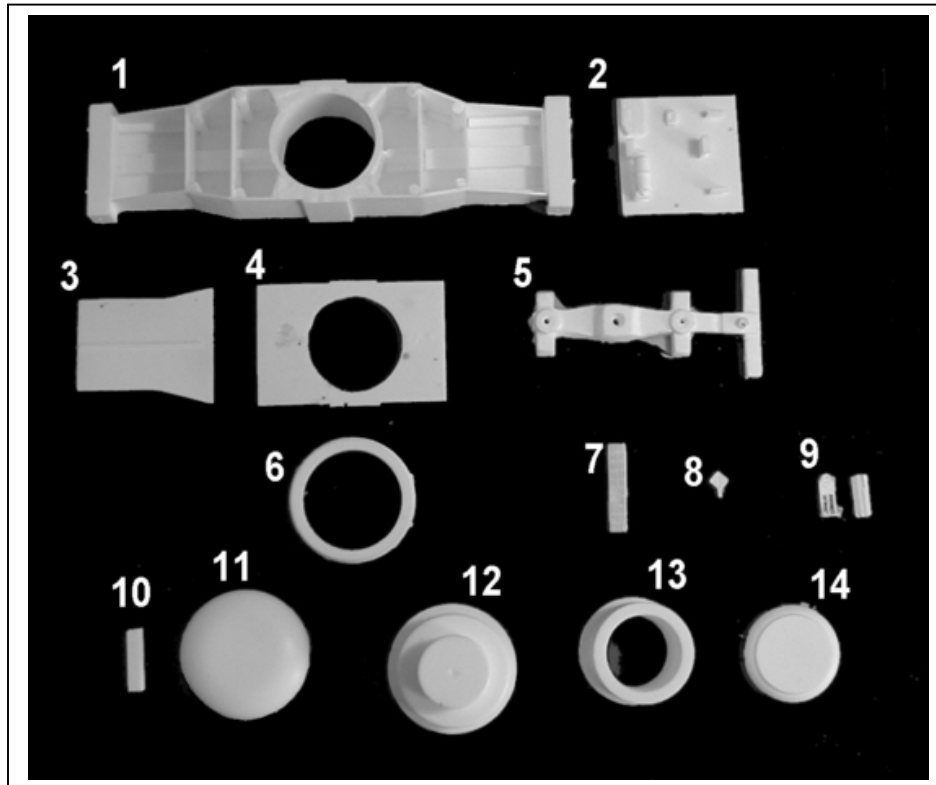
ACC cements allow the modeler to work very quickly. A general rule is to use the thin cements to glue long joints taking advantage of capillary action that makes the cement run the length of the seam. The thicker cement is suited to applying large area parts to each other. An accelerator can be applied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

**PAINTING** Wash the parts before assembling with a dish washing detergent such as “Dawn”. Rub lightly with a soft sponge. Use a lacquer based primer such as floquil.

## PARTS

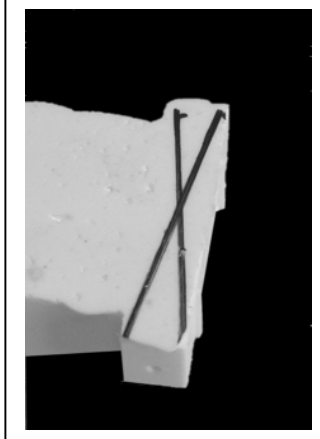


Item No.	DESCRIPTION	QTY.
1	DODX Car Body	1
2	End Deck	2
3	Angular Body Sheath	2
4	Top Body Sheath	1
5	Truck Bolster	2
6	Top Ring	1
7	Catwalks	4
8	Placards	4
9	Brake Stand (Pr)	2
10	Heat Exchanger Fins	16
11	Cask Dome	1
12	Cask Heat Exchanger Mount	1

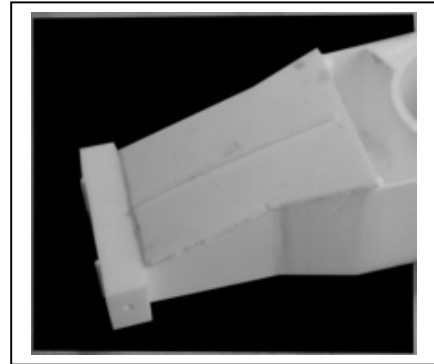
Item No.	DESCRIPTION	QTY.
13	Cask Lower Body	1
14	Cask Bottom	1
15	Coupler Pocket Covers	2
16	1/8" – 2-56 Screws	2
17	Brake Wheel	2
18	Small Pins	2
19	3/8" x 2-56 Screws	2
20	Washers	2

## BODY ASSEMBLY

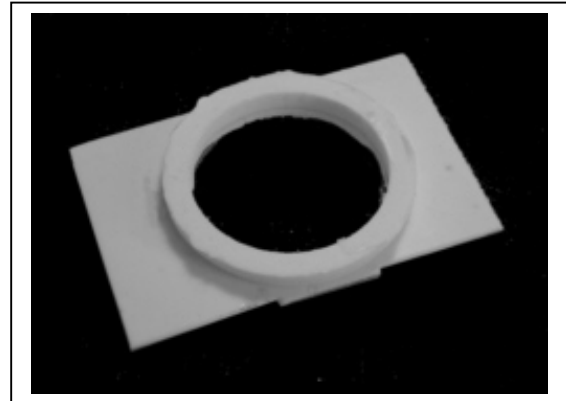
**1** Locate the hole for the Truck Bolster attachment as shown. Make sure the lines cross in the center end section of the Car Body. Drill and tap for 2-56 screws. Do not drill completely through the body.



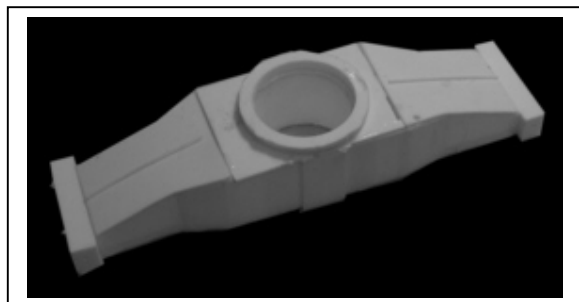
**2** Glue both Angular Body Sheath (3) parts to the Car Body (1) as shown.



**3** Attach the Top Ring(6) to the Top Body Sheath (4) with the larger diameter part of the ring away from the sheath. (The top ring is larger at the top than where it attaches.)

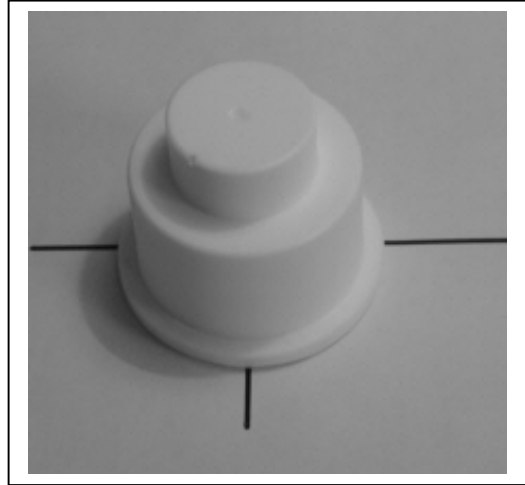


**4** Glue the Top Body Sheath assembly into place. Fill the seams with body putty to give a smooth appearance.

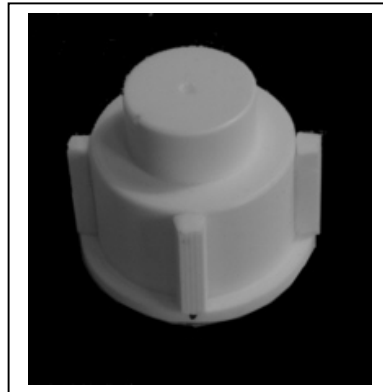


## NUCLEAR CASK ASSEMBLY

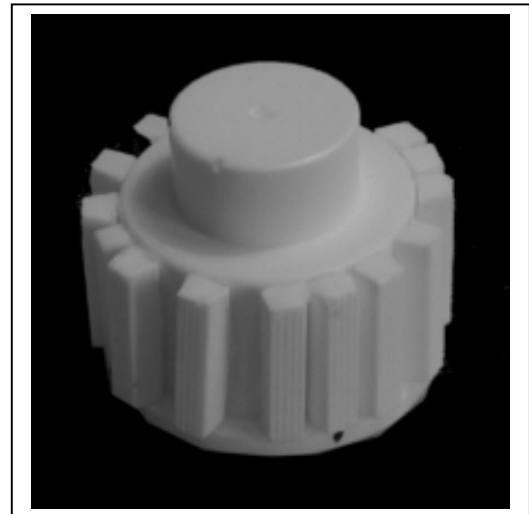
**5** Draw two perpendicular lines on a piece of paper. Center the Cask Heat Exchanger Body (12) on the lines so that they will be distributed equally around the body. Mark the body where the lines indicate. See next picture.



**6** Hollow the back side of all of the the Heat Exchanger Fin (10) parts to match the curvature of the Cask Heat Exchanger Mount (12). Glue four Heat Exchanger Fins 90 degrees from each other.



**7** Glue and addition Heat Exchanger Fin to each side of those glued at 90 degrees from each other. Glue a Heat Exchanger Fin centered between the 90 degree clusters.

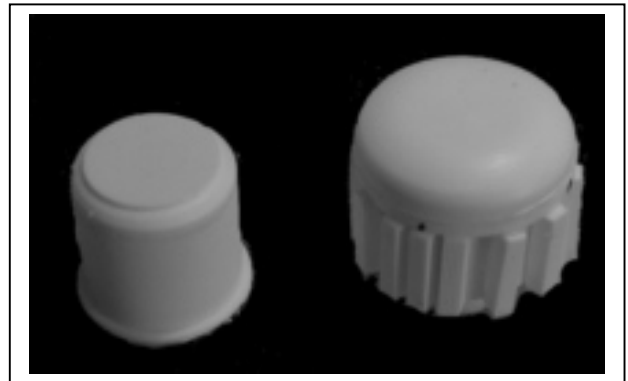


**8** Glue the Cask Dome (11) to the large end of the Cask Heat Exchanger assembly as shown.



**9** Attach the Cask Bottom (14) to the small end of the Cask Lower Body (13). It is suggested that the two parts of the cask assembly be painted prior to completing the assembly as shown in the next step. But first try fitting the Lower Cask Body into the car body. It should be a tight fit but may require filing of the car body. I used a motor tool inside the car body where and marks would be the least like to show.

My choice of paint is Chrome Silver from Ace Hardware. Cut in half with lacquer thinner it sprays well. Do not over coat the Chrome Silver Paint or it will become very dull and look more like aluminum rather than give a polished stainless steel appearance as shown in the photos I've

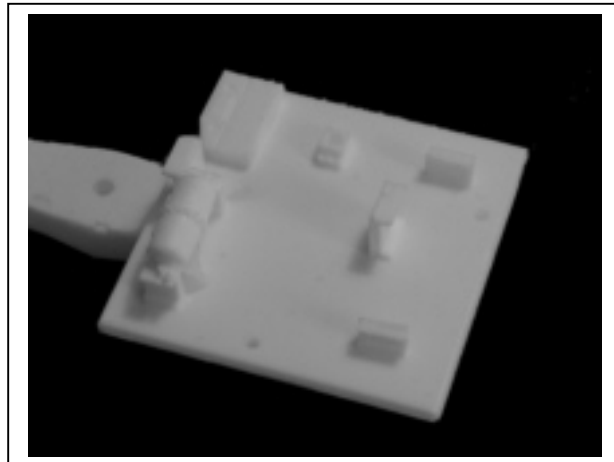
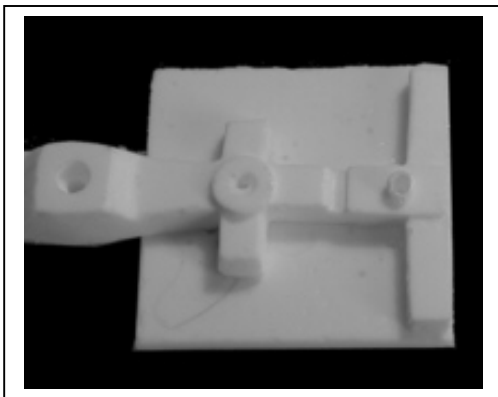


**10** When painted, the cask is assembled as shown. Protect the finish from finger marking as much as possible.

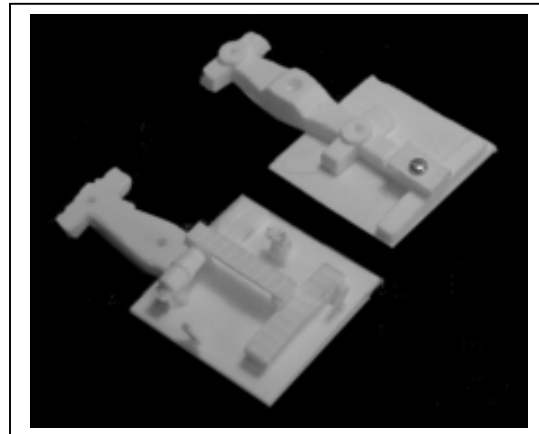


## BOLSTER & DECK ASSEMBLY

**11** Cement the Truck Bolster (5) to the bottom of the End Deck (2). The brake reservoir end must be oriented inboard as shown.

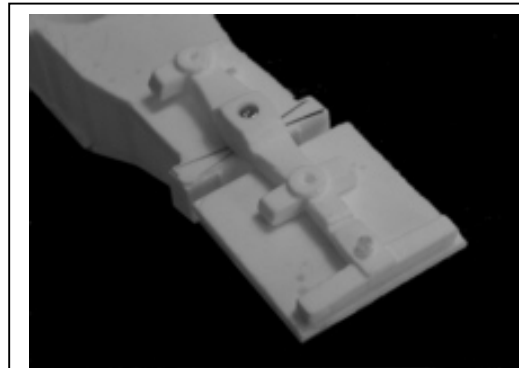


**12** Add the Catwalks (7) as shown. Coupler Pocket Cover (15) should be attached with the 1/8" x 2-56 screws.



**13** The brake valve should also be mounted at this time. You may remove the cast-on mount if the supplied brake valve already has one. Add the Brake Stand as shown. Mount the Brake Wheel with the small pin. Paint the model according to our suggestions on the last page.

**14** Mount the Deck and Truck Bolster assembly using the 3/8" x 2-56 screws and the washers. It is suggested the model be



## **DECALS ARE ATTACHED HERE**

### **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.
- 2) Car body appears to be a dark green khaki. Refer to our web site for a prototype photo.

Overcoat entire car with Testor's Glosscoat prior to decaling. After decals have set, apply Testor's Dullcote.

### **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.

**ENJOY!**