CONCEPT MODELS

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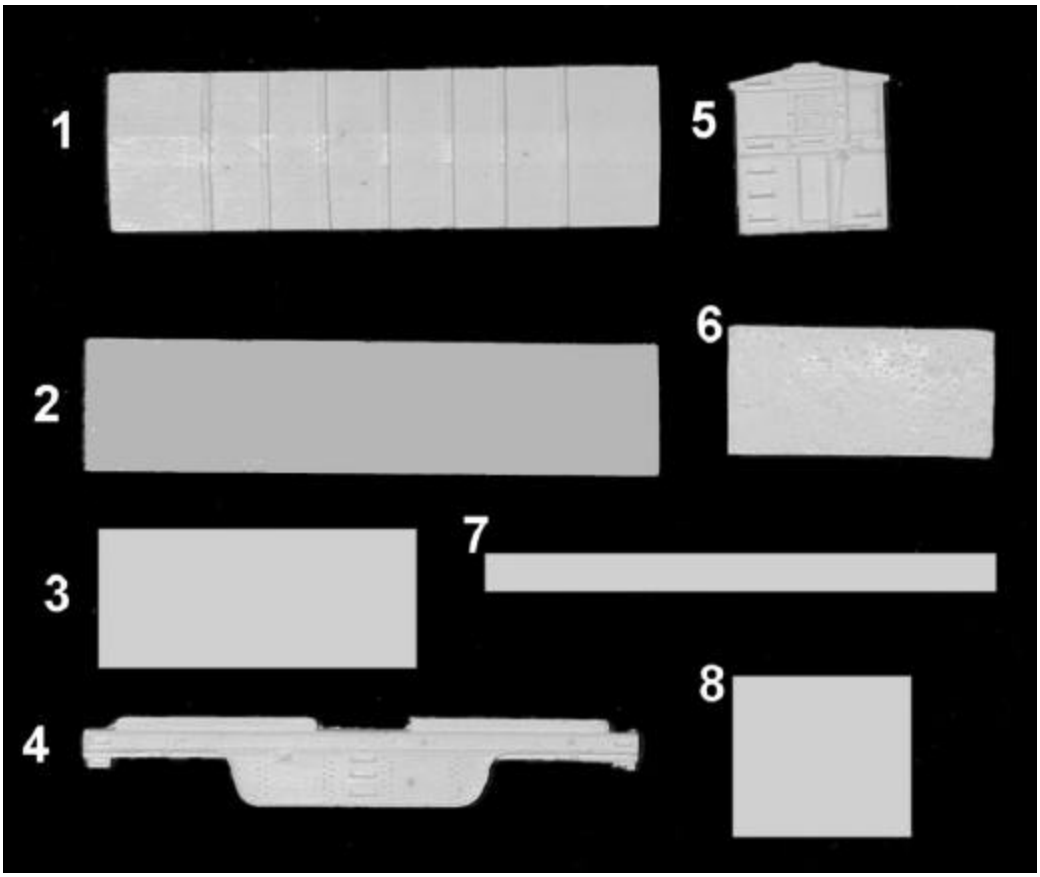
INSTRUCTIONS FOR PRODUCT: OVERLAND OIL CO TANK CAR

PARTS



Item No.	PART NO.	DESCRIPTION	QTY.
1	5802-1	Roof	1
2	5802-2	Floor	1
3	5802-3	Scribed Siding	4
4	B-55	Cast Tank Sides	2
5	B-558	End	2
6	5802-6	Oil Tank	1
7	5802-7	Roof Walk	1
8	5802-8	End Blocks	2
9	B-210	Door	2
10	5802-10	Door Fascia	2
11	5802-11	Door Guides	4
12	5802-12	Roof Braces	4

GENERIC PARTS	QTY.
3/16” Pan Hd. Screws	2
Brake Wheel	2
Small Pin	2
Decals (set)	1
Instructions	1

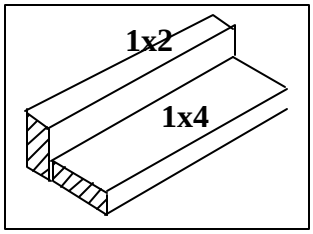
Tools

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.

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! 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.

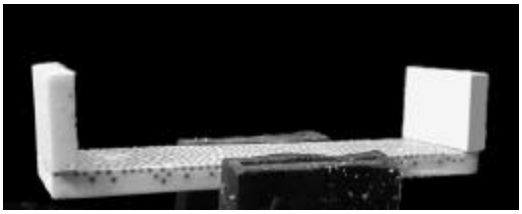
PREPARATION Wash the parts before assembling with a dish washing detergent such as "Dawn". Rub lightly with a soft sponge.

WARNING

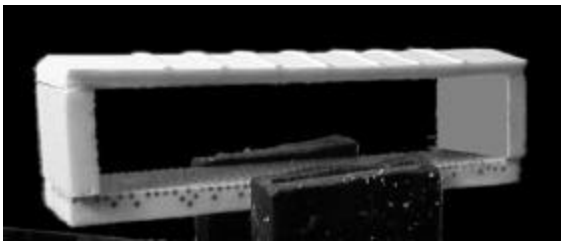
Some parts may have lead encapsulated within them. In the event the lead is exposed for any reason, do not allow it to remain on the skin. Dispose of any lead shavings that may result. Obey all safety precautions of all suggested cements and assembly materials.

ASSEMBLY

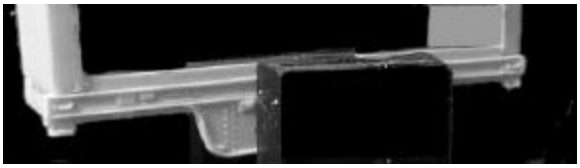
1 Cement the End Blocks (8) to the Floor (2). Note that the End Spacers (8) protrude over the floor to match the thickness of the cast tank sides.



2 Cement the Roof (1) to the End Spacers (8).



3 Cement the Cast Tank Sides (4) to the side of the floor. The notched ends of the Cast Tank Sides should engage the End Spacers.



4 If necessary, shave the side of the Oil Tank (6) slightly to allow the installation of the other Cast Tank Side.

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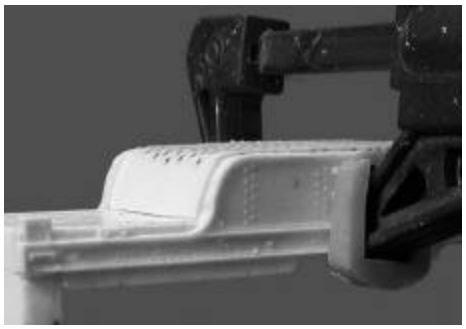
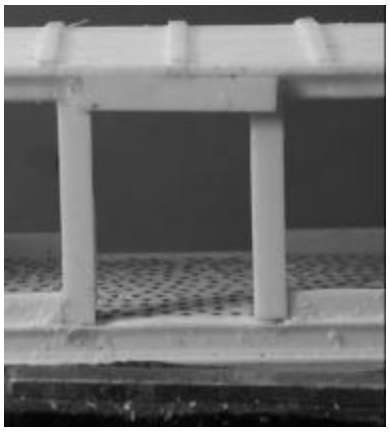
5 Cement the Oil Tank in place and then cement the other Cast Tank Side to the assembly.

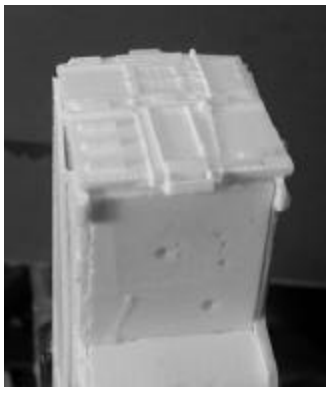


6 Install the Door Fascia (10) in the center of the door opening. The install the Roof Braces (12) to prevent the roof from sagging.

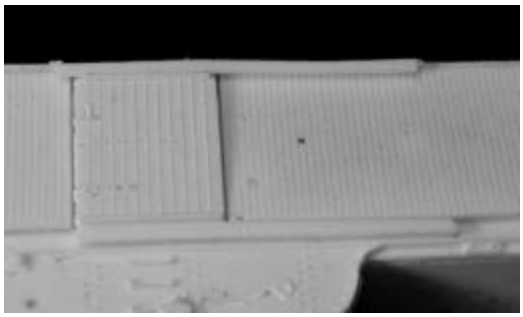


7 Apply the Scribed Sheathing (3) as shown. Do not trim the ends yet.

8 Install the ends and then trim the sides.

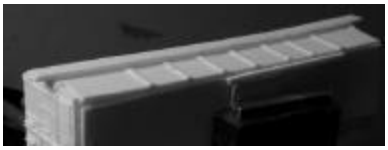


9 Install the Door Guides (11) and the Door (9) starting the with top guide. The larger section of the guide attached to the car. (I glued the doors in place since I run in a club environment.) Finally glue the bottom guide in place.

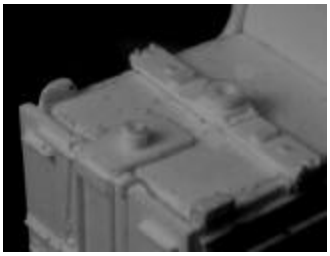


10 Measure 5/8" from the floor end (not the car end!) and cement the Truck Bolsters (13) into place.

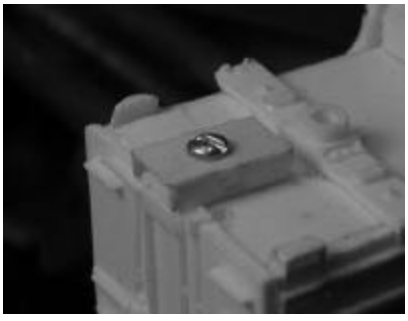
11 Cement the Roof Walk (7) to the braces of the roof.



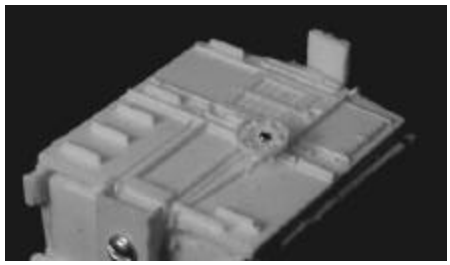
12 Cement the Coupler Mount. The slightly longer end should go towards the center of the car.



13 Drill and thread a 2-56 hole through the coupler into the floor. Install the coupler Cover using the 3/16" x 2-56 screw.



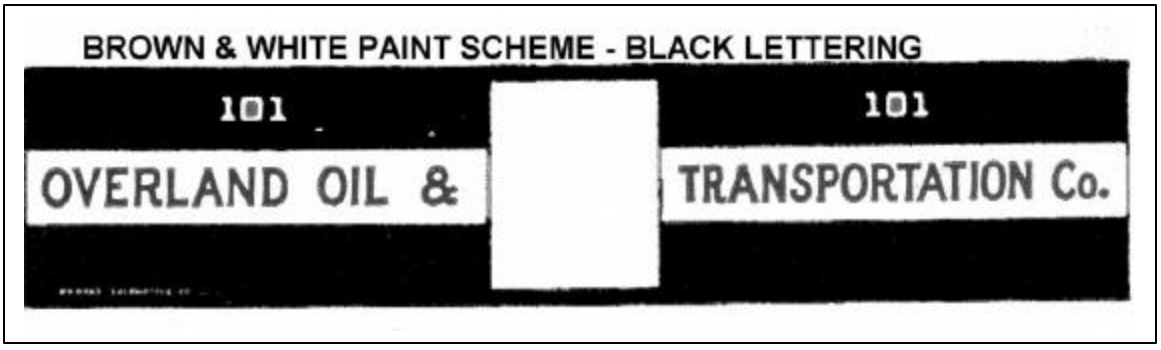
14 Use the small pins to attach a brake wheel at each end of the car as shown.



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 Glosscoate 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.