CONCEPT MODELS

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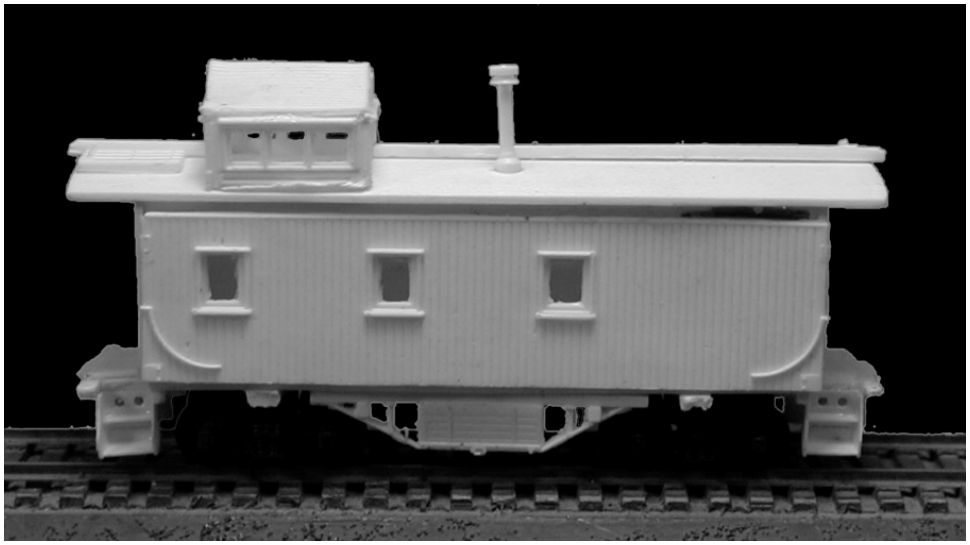
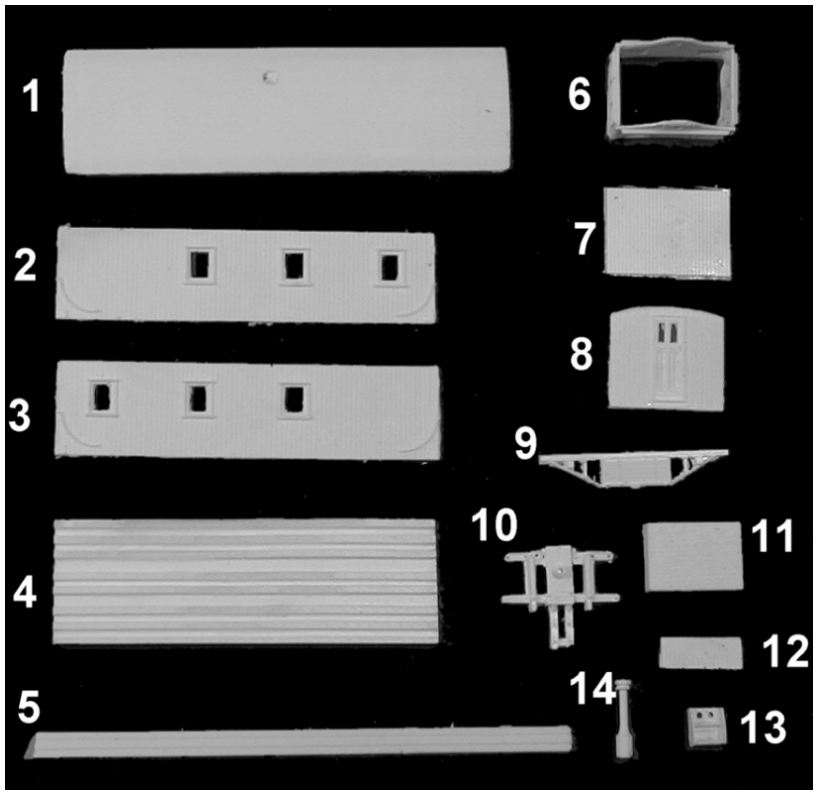


INSTRUCTIONS FOR PRODUCT:
WABASH 1885 CABOOSE

WABASH 1885 CABOOSE PARTS



Item No.	Part No.	DESCRIPTION	QTY.
1	4007-1	Roof	1
2	B-506	Side – Left	1
3	B-506	Side – Right	1
4	4007-4	Floor	1
5	4007-5	Roof Walk	1
6	B-2829	Cupola Assembly	1
7	4002-14	Cupola Roof	1
8	B-66	End	2
9	B-86	Truss Rod - Tool Box	2
10	4007-10	End Platform Support	2
11	4007-11	Tool Box Core	1
12	4007-12	End Platform	2
13	B-42	Step	4
14	B-150	Smoke Jack	1
15	B-218	Truck Bolsters	2
16	B-82	End Walk Platform	2
17	4007-17	Roof Walk Strip	1

GENERIC PARTS	QTY.
1/8” Pan Hd. Screws	2
Brake Staff	2
Brake Wheel	2
Coupler Pocket Covers	
Ladders	2
WALKWAY SUPPORTS - .030” X .030” X 20 s.f.	1
Decals (set)	1
Instructions	1

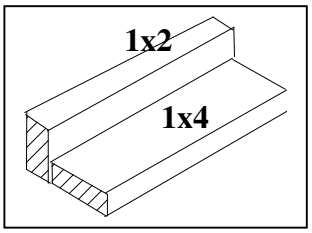
Tools

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. Zip Kicker or other ACC cement accelerant.

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

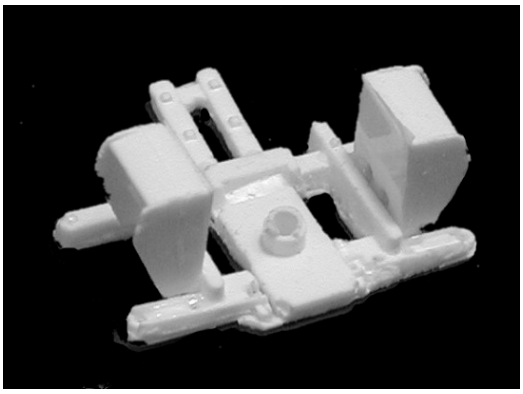
ACC cements allow the modeler to work very quickly. A general rule is to use the thin cements to glue long joints taking advantage of capillary action that makes the cement run the length of the seam. The thicker cement is suited to applying large area parts to each other. An accelerator can be applied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

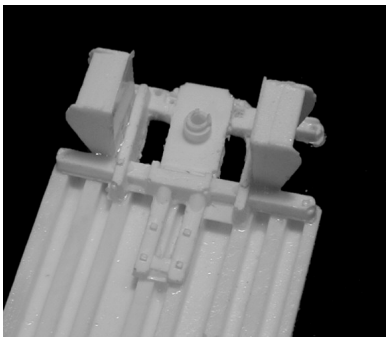
Wash the parts before assembling with a dish washing detergent such as "Dawn". Rub lightly with a soft sponge.

ASSEMBLY

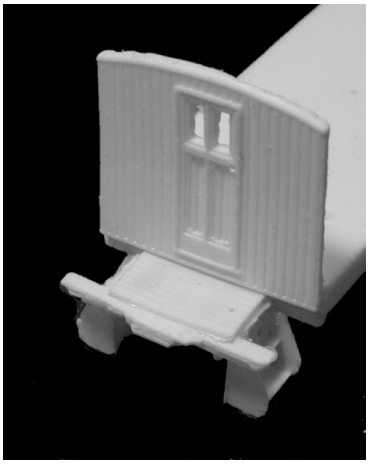
1 Cement the Steps (13) to the End Platform Support (101). File the support to allow the top edge of the step to be even with the platform.



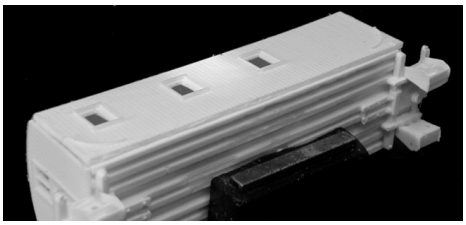
2 Cement the end Platform Assemblt to the Floor (4).



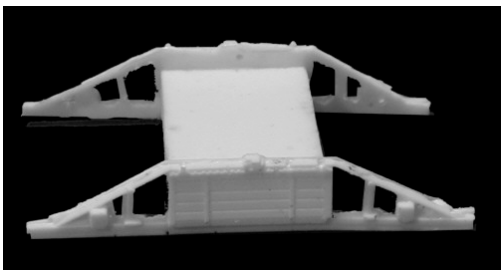
3 Cement the bottom edge of the End (8) to the floor, Now add the End Platform (12) to the top of the End Platform Support Assembly. Do both ends the same.



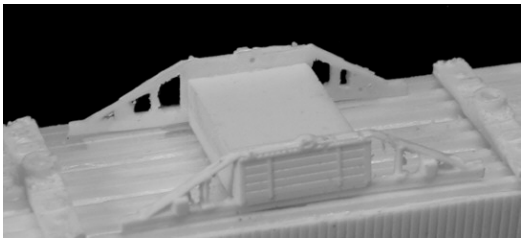
4 Cement the Sides (2&3) to the Floor (4) and the Ends (8). This will complete the basic caboose structure.



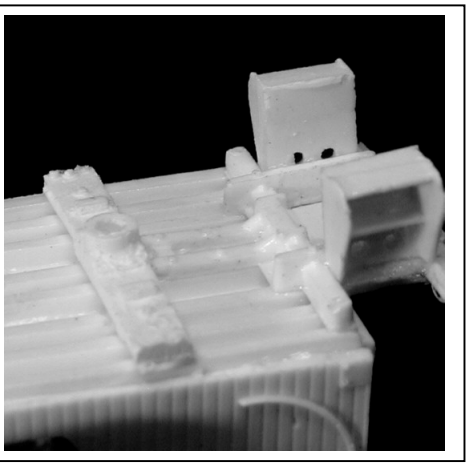
5 Cement the Truss Rod Toolbox Supports (9) to the Tool Box Core (11) as shown.



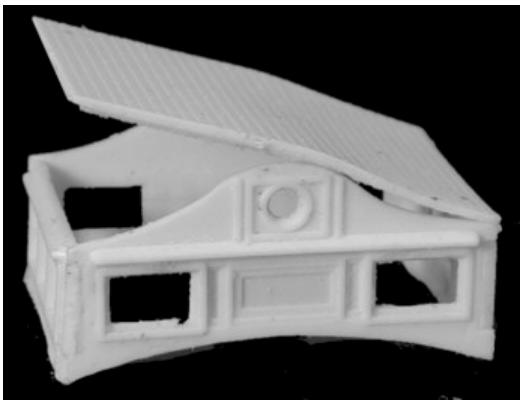
6 Cement the Truss Rod toolbox assembly to the floor. Run a bead of cement where the truss rod assembly meets the floor. The photo shows the Truck Bolster in place but follow the next step for their installation.



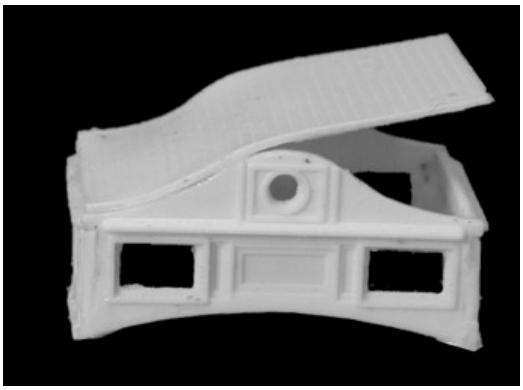
7 The Truck Bolsters (15) are cemented up against the End Platform Support (9) as shown. This is correct for standard Arch Bar trucks. If you use a longer wheel base truck, cut away a small amount of the End Platform Support to keep clearance from the truss rods.



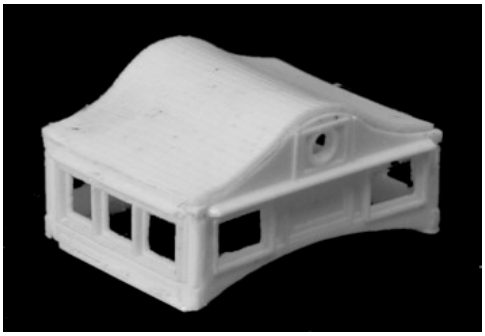
8 Because of the shape of the cupola the Cupola Roof (7) should be heated **slightly** in a microwave oven for increments of 10 seconds until it softens **slightly.** (I've never used more than 30 seconds.) Attached the one edge with cement. An accelerant for the ACC cement is useful here (Zip Kicker or similar).



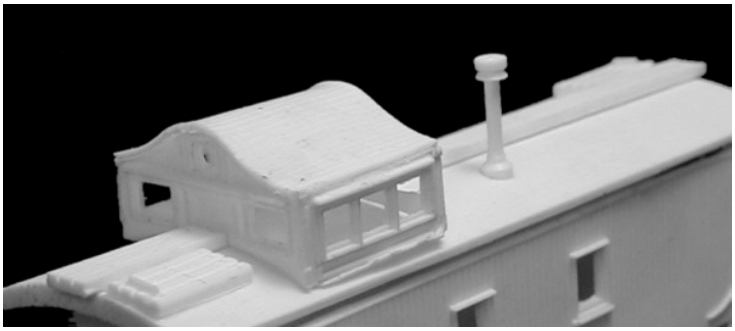
9 Cement the indented roof section next. (I used a round Xacto knife handle to aid in making the curve smootly.)



10 Follow through quickly shaping the roof and complete cementing all interior seams. Do not attach the cupola until painting and window glazing is complete.



11 Cut and add the roof walk with the cupola just setting on the roof. Cut the roof walk strip to leave a small overhang at the ends. I glued it directly to the roof since my own rolling stock gets handled at a club. You can prop up the roof walk with .030" square styrene to give a more accurate appearance. Add the End Walk Roof Platforms (16) as shown. Don't install ladders until painting and glazing is complete.



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.