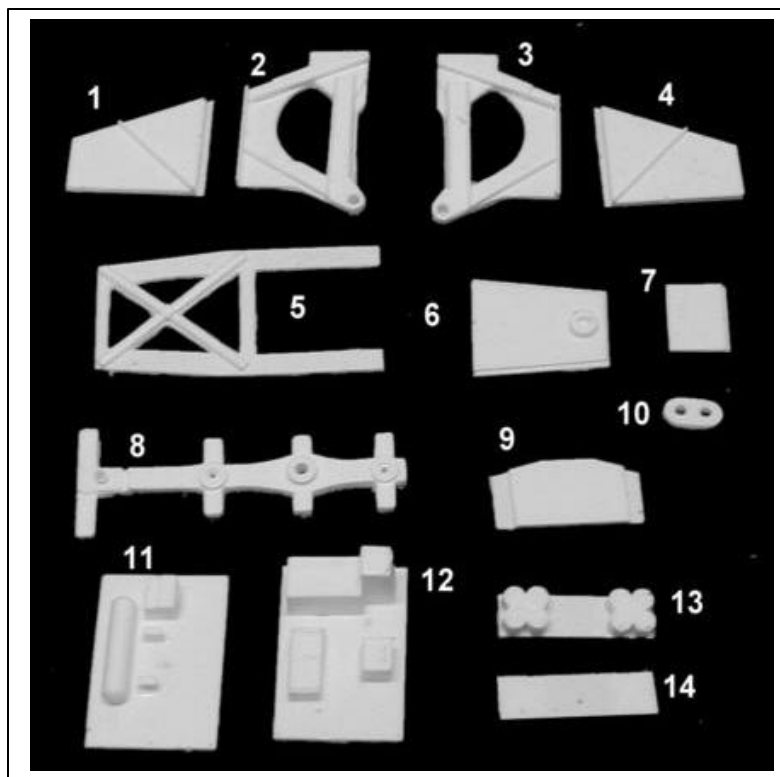


CONCEPT MODELS

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

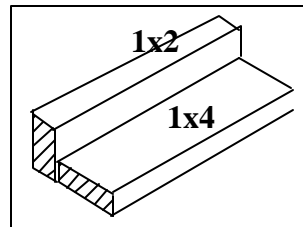
8331 Sheep Ranch Rd.
Mountain Ranch, CA 95246



GEX 40013/14 SCHNABEL CAR KIT

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 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.

PAINTING

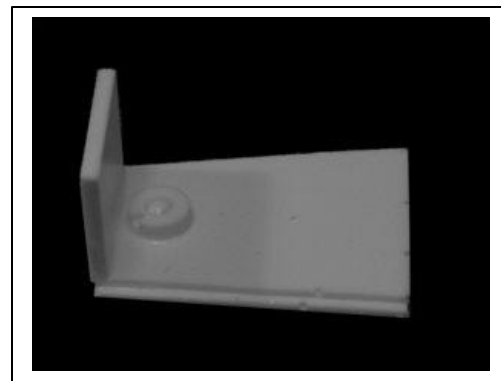
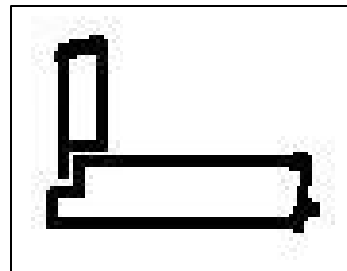
Wash the parts before assembling with a dishwashing detergent such as “Dawn”. Rub lightly with a soft sponge. Use a lacquer-based primer such as floquil.

PARTS

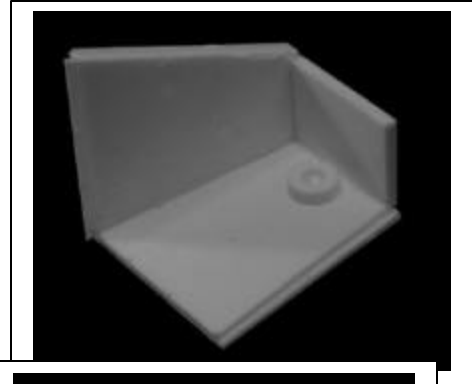
Item No.	DESCRIPTION	QTY.
1	Left Girder Box Side	2
2	Left Girder Side	2
3	Right Girder Side	2
4	Right Girder Box Side	2
5	Top Brace Assembly	2
6	Girder Box Bottom	2
7	Girder Box End	2
8	Bolster	2
9	Girder Face Plate	2
10	Empty Car Link	2
11	End Platform Brake Equip.	1
12	End Platform Storage Equip.	1
13	Load Spacer	2
14	Load Spacer Face - .030" x 3s.f. x 11s.f.	2
15	1/8" tube x 13'6" (s.f.)	2
16	Coupler Pocket Covers	2
17	1/8" x 2-56 Pan Hd. Screws	2
18	1/2" x 2-56 Pan Hd. Screws	4
19	4 s.f. x 1/8" Tube	2
20	1/8" I.D. Washers	6
21	Brake Cylinder	1
22	Brake Valve	1
23	Brake Reservoir	1
24	Brake Wheel	2
25	Brake Stand	2
26	Small Pins	2
27	Decals	1
28	Instructions	1

ASSEMBLY

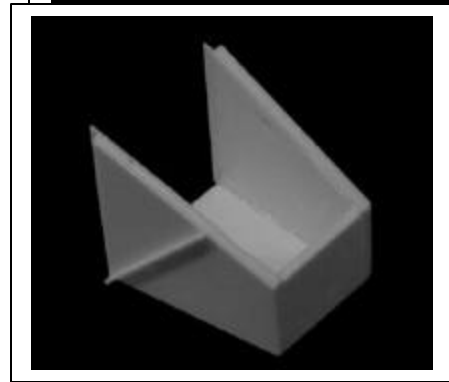
1 Begin by gluing the Girder Box End (7) to the Girder Box Bottom. The grooved side of the end mates with the groove in the bottom attached to the end so that the bottom determines the length. The end sits on top of the bottom.



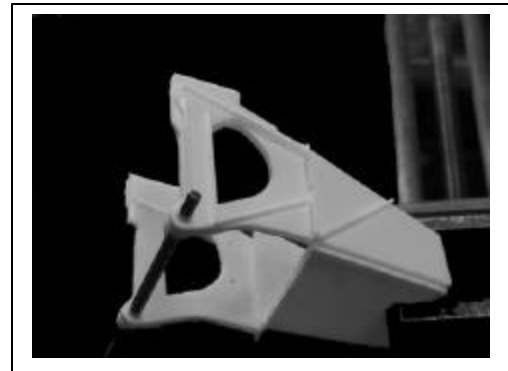
2 Glue the Left Girder Box Side (1) to the bottom and end of the box.



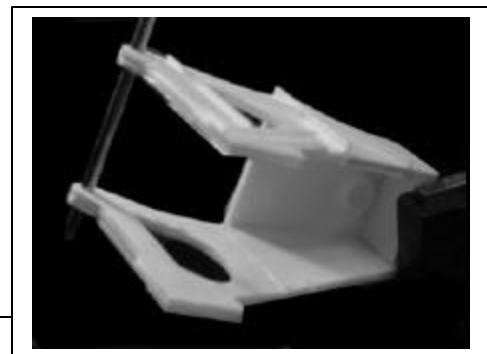
3 Glue the Right Girder Box Side (4) to the bottom and end of the box.



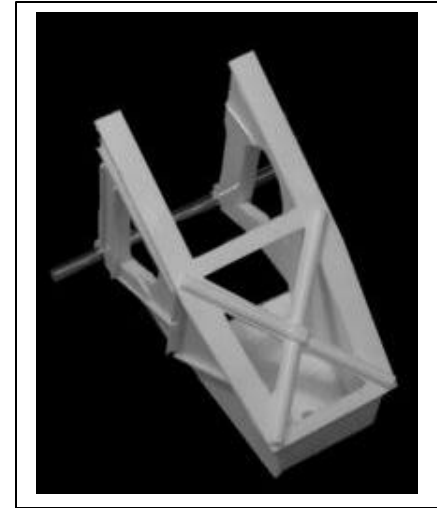
4 Line up both Right and Left Girder Sides (2 & 3) with a 1/8" brass rod (not supplied) and glue to the girder box maintaining the girder sides parallel to each other.



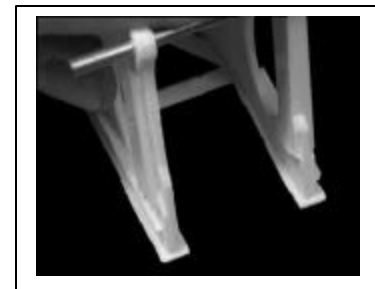
5 Check to make sure the side are parallel. Make another assembly like this and make the sides end up the same width for both assemblies.



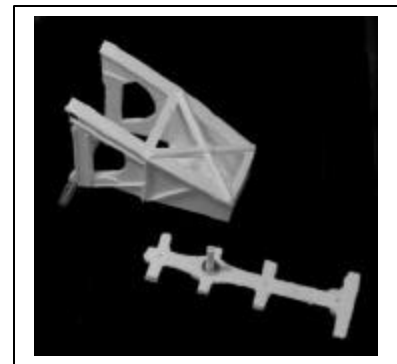
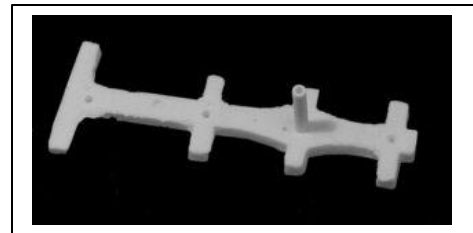
6 If you are making the car like the photos, trim away the top part of the girder to attach as shown in the adjacent photo. If you wish to make the car per print, Cut back the top brace assembly. In any event the brace should be installed flush with the girder box end and the sides should hang over equally.



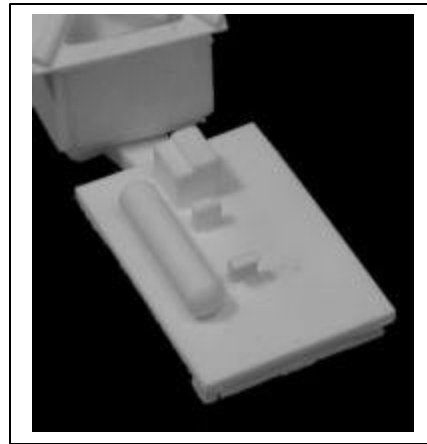
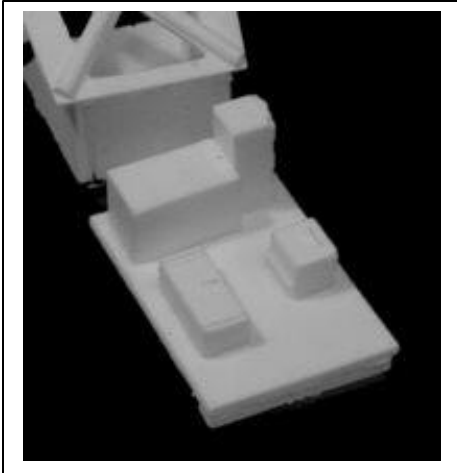
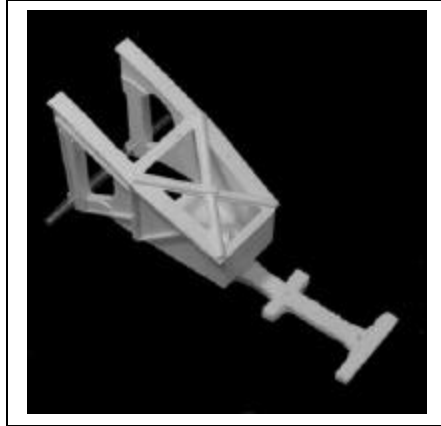
7 The ends of the Top Brace Assembly should be trimmed and glued as shown.



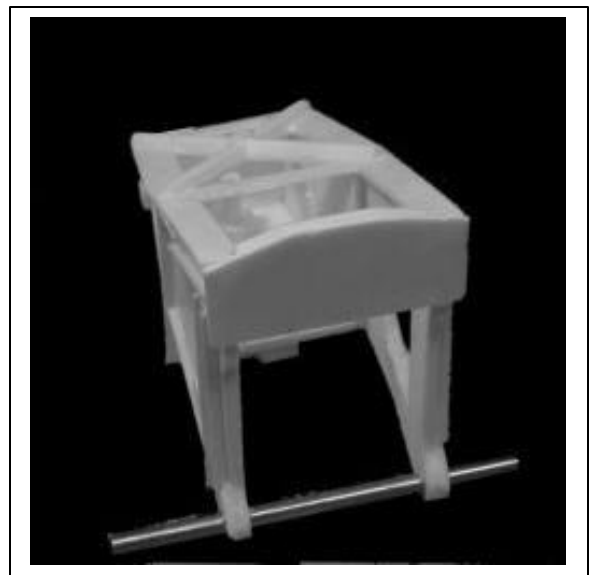
8 Insert the supplied 1/8" tube as shown. It may be necessary to ream out the 1/8" hole in the sub bolster assembly. **Do not glue at this time!** (It will be removed for painting.) Slip a 1/8" I.D. washer over the tube and check the girder assembly for fit.



9 Glue the end decks to the bolster assemblies as shown. The ends of the deck should match the end of the bolster. The end decks are unique on this car.



10 Install the Girder Face Plate (9) as shown. It is necessary to notch the tope brace to get a good fit.



11 The empty car links may be used to run the car empty as shown. (Unpainted parts shown for clarity.)



12 The load spacer may be used to space the girders and give the car a level appearance. (Unpainted parts shown for clarity.)



PAINTING

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 the color coat.

Colors: Black or weathered black

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.

