

Dynaflite™ 84" Fun Scale Fly Baby

SCALE COCKPIT KIT – ASSEMBLY INSTRUCTIONS

Congratulations for being one of those modelers who takes pride in flying a truly finished model; inside and out! The little bit of extra effort required to assemble and install this accessory kit will be rewarded by your personal satisfaction and the applause of your buddies. We have provided the basic ingredients – you provide the imagination to finish the details to your liking. All it takes is a couple of evenings and you will have an even better looking model. Have fun and try to be gracious when accepting the compliments at the field!

PARTS LIST

- 1 Instruction sheet
- 1 Instrument panel
- 1 Instrument panel lens
- 1 Seat back
- 1 Seat bottom
- 1 Luggage tank top
- 1 Luggage tank bottom
- 2 Luggage tank joiner
- 1 Elastic seat belts
- 1 Fiberglass tape
- 1 Small parts bag: bomb release wire, bomb release mechanism, dowels, pins, 2- #2 x 3/8" screws, 4- #4 x 5/8" screws

TOOLS AND SUPPLIES

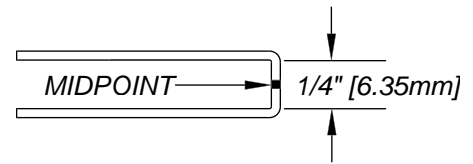
- Thin CA (Great Planes® Pro™ recommended)
- 6-Minute epoxy
- Canopy glue
- Hobby knife and #11 blades
- Plastic filler putty or Bondo®
- 80, 220 and 400-grit wet/dry sandpaper
- Selection of small paint brushes
- Model enamel paint – (Testors enamel recommended)
- Needle nose pliers
- Wood stain
- Gloss varnish or polyurethane
- Clear silicone adhesive

1. Follow the embossed “cut lines” on each part with a sharp hobby knife to score the plastic. Gently flex the plastic along the score to break the scrap from around the edges. Sand each part with progressively finer grades of sandpaper to smooth the edges. Finish the part off by wet sanding the entire exposed surface with 400-grit paper to give the plastic a “tooth” for better paint adhesion.



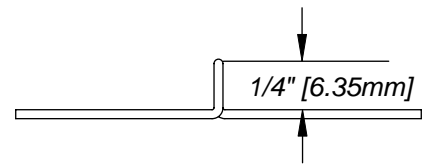
2. Use thin CA to glue the seat back to the top surface of the seat bottom, flush with the rear edge.

Sketch #1

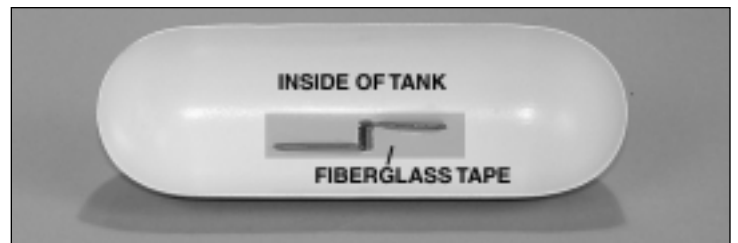


3. Using sketch #1 as a template, bend the wire to create a “U” shape as shown in the above image. The center section is 1/4" wide.

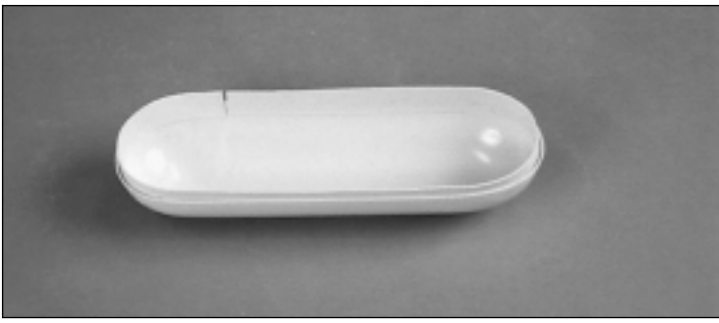
Sketch #2



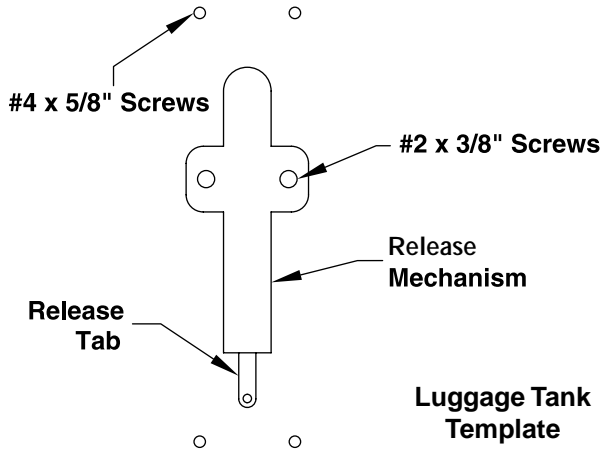
4. Using sketch #2 as a template, bend the legs in opposite directions as shown in the above image. The center section has a height of 1/4".



5. Cut out the marked hole on the luggage tank top. Roughen the **inside** of the tank for about a 2" area around the holes with 80-grit sandpaper. Glue the wire to the inside of the tank with thin CA. Use 6-minute epoxy to glue the furnished strip of fiberglass cloth over the clip to reinforce the joint.



❑ 6. Trim the 3/8" x 10" strips of plastic to fit around the inside of the bottom half of the luggage tank. Center the strips on the inside edge of the tank bottom to form a flange and glue them in position with thin CA.



❑ 7. Glue the top of the tank to the bottom by "wicking" thin CA around the joint between the two halves. Fill any gaps around the seam with plastic filler putty or Bondo. Sand the seam smooth with progressively finer grades of sandpaper ending by wet sanding with 400-grit. Screw the tank mount to the centerline of the wing with two #2 x 3/8" screws, approximately centered over the spar (*use the template above to properly install the luggage tank*). Use the #4 x 5/8" screws to hold the luggage tank in position.

❑ 8. Paint the seat and luggage tank to your liking. If you will fly with the luggage tank attached, be sure to use fuelproof paint to protect the finish from exhaust oil. Cut the elastic seat belts to fit your pilot figure. Glue them to the seat back notch and the seat bottom with CA.

❑ 9. Apply a 1/4" bead of clear Silicone adhesive to the **inside** edges of the seat bottom. Install the seat in the cockpit and hold or

weight it in position. The Silicone will flow down onto the floor inside the seat and secure it in place. Carefully apply a few drops of thin CA to the seat back edges, allowing the CA to "wick" around the joint between the seat and the aft cockpit bulkhead. Hold it in position until the CA cures.

❑ 10. Before you add the instruments and clear Butyrate, sand the laser-cut instrument panel smooth with 400-grit sandpaper. Apply a wood stain to bring out the color of the grain. Finish the instrument panel with Varnish or Polyurethane for a high gloss.

❑ 11. Trace the outline of the instrument panel onto the clear plastic sheet with a sharp hobby knife, to score the plastic. Flex the plastic to break away the excess material. Sand the edges smooth. Glue the clear plastic to the back of the instrument panel with "canopy glue" or epoxy. **Note:** The plastic will stick better if the contact surface is lightly sanded, Be careful NOT to scratch the exposed "lens" areas.

❑ 12. Cut the paper instruments to fit the back of the instrument panel (IP). Glue them to the clear plastic with Canopy glue.

❑ 13. Cut and glue a piece of scrap balsa to the back of the instrument panel assembly. Use pliers to push the control knobs (pins) through the front of the panel. Apply a spot of CA on the back of the IP to secure them in position. Add other surface details as desired. Attach the instrument panel to the model with Silicone adhesive.

❑ 14. Paint the dowel "control-stick" with aluminum enamel. After the paint has dried, wrap one end with a few layers of electricians tape to form a hand grip. Mark the location of the control-stick on the cockpit floor then drill a 1/16" diameter hole through the marked spot. Carefully drill a 1/16" diameter hole about 3/8" deep into the bottom of the control-stick. Install a #2 x 3/8" sheet metal screw from **beneath** the cockpit floor so that it just protrudes into the cockpit area. Apply a dab of epoxy to the bottom of the control stick. Twist the control stick onto the protruding screw and secure it with a screwdriver.

If you have questions or comments write or call:

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