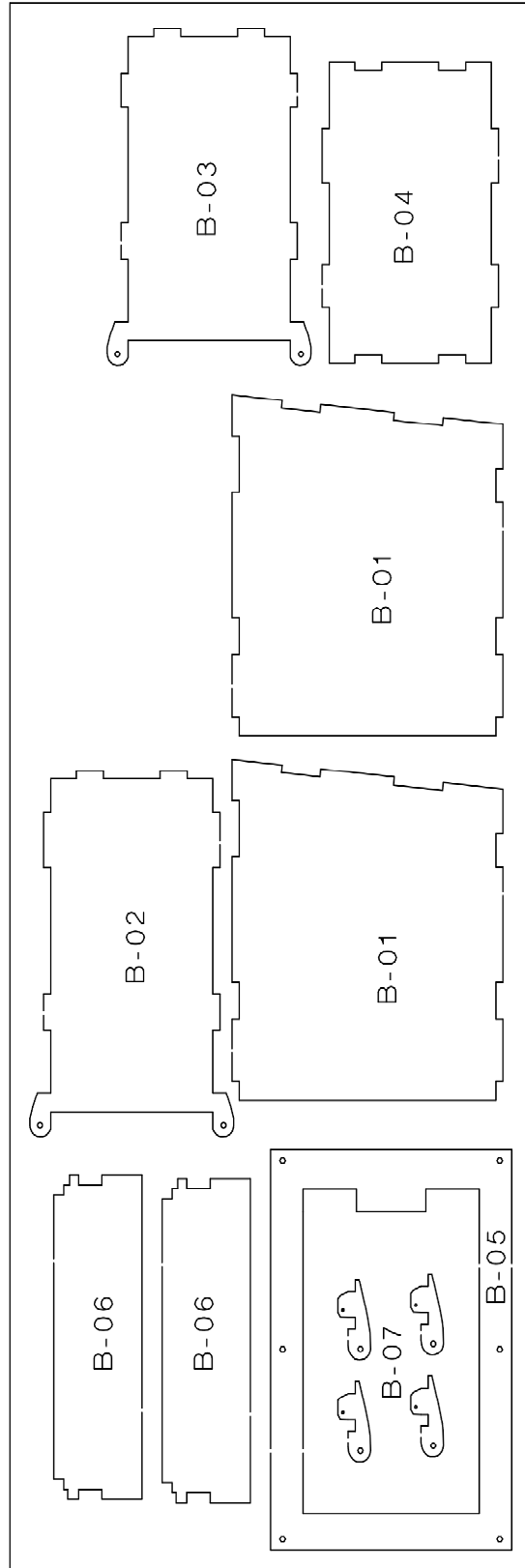
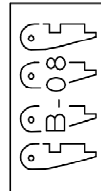


FunMaster 72 Internal Bombay

Kit AK-504_BB



LC-503-BB-01 3mm X 8" X 24" POPLAR PLY 1 REQD.



LC-503-BB-02 1/32 X 1 1/2" X 2 1/2" BIRCH PLY 1 REQD.



Kit # AK-504_BB

Kit Contents:

Laser Cut Sheets

Qty.	Name	Description
1	LC-504-BB-01	.3mm X 8" X 24" Laser Cut POPLAR PLY
1	LC-504-BB-02	.1/32" X 1 1/2" X 2 1/2" Laser Cut BIRCH PLY

Hardware Bag

Qty.	Name	Description
4	Hinge Screws	.2-56 x 1/2" Machine Screw
4	Hinge Nuts	.2-56 Nut
2	Pushrods	.1/32" x 6" Music Wire
2	Pushrod Stiffeners	.1/32" ID x 6" Aluminum Tube

Additional Items Required (Not Included in Kit)

Qty.	Name	Description
1	Servo	.HiTec HS-81 Micro Servo or Equivalent
1	Pushrod Connector	.DuBro EZ Connector

WARNING.....EXTREME DANGER:

Dropping objects from a model aircraft can be dangerous if the proper safety precautions are not followed.

- 1...Only small, light weight, soft objects should be dropped from a model aircraft.*
- 2...Do not drop any hard objects from a model aircraft.*
- 3...Do not drop any sharp objects from a model aircraft.*
- 4...All objects dropped from a model aircraft should have a soft, impact absorbing front end or nose cone.*
- 5...When flying a model aircraft with droppable objects, a safety line must be established parallel and away from any spectators. This safety line must never be crossed by the aircraft.*
- 6...Never fly over or drop any objects on any spectators.*
- 7...Always fly a model aircraft with droppable objects over an open area. Never fly over or drop any objects on any unprotected people, vessels, vehicles or structures and the endangerment of life and the property of others.*
- 8...Do not drop any sharp objects from a model aircraft carrying pyrotechnic devices that explode or burn, or any device which propels a projectile or drops any object that creates a hazard to persons or property.*

You must read and follow the A.M.A. Safety Code when Operating any Model Aircraft.

Academy of Model Aeronautics
5161 E. Memorial Dr. Muncie IN 47302
Tel.: (800) 435-9262
<http://www.modelaircraft.org/>

Building the Internal Bombay

1...Place a small drop of thin C/A glue into the small holes in parts B-02, B-03 and B-05. This will soak into the wood to harden it. Also apply a small amount of glue to the edges near the holes.

When the glue is dry, test fit a 2-56 screw into the holes in B-02 and B-03. The screw should just fit loosely into the holes. Drill out the holes slightly if the fit is tight.

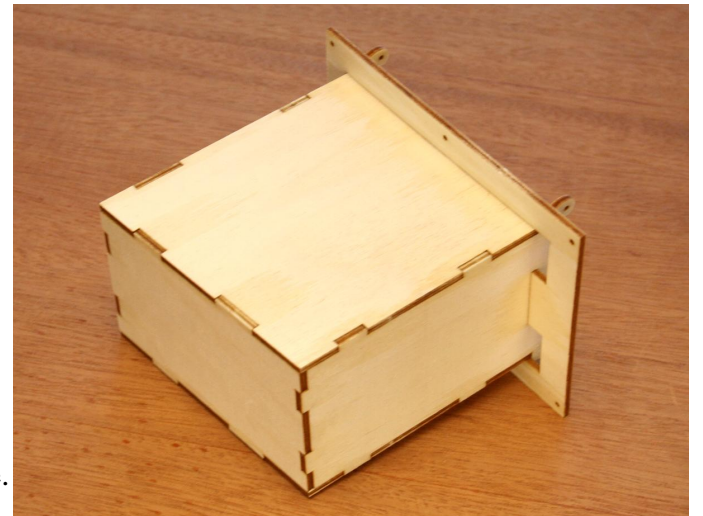
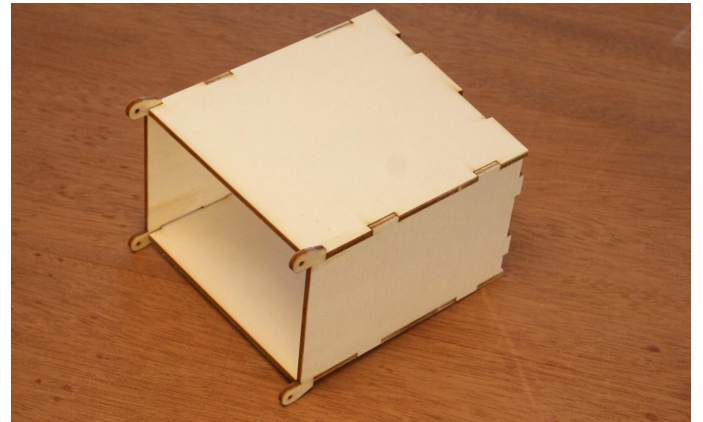
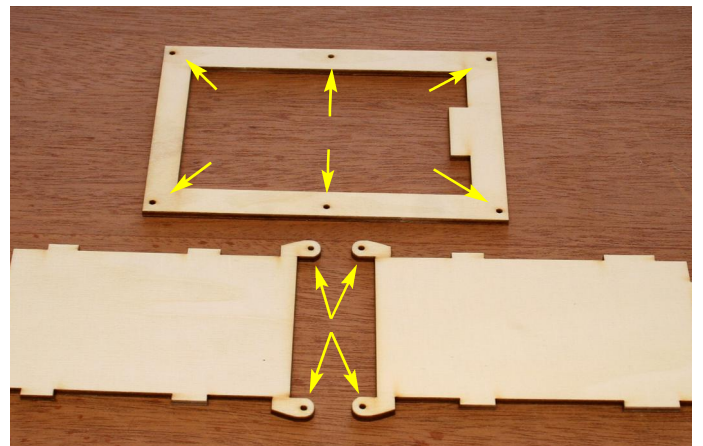
2...Tack glue parts B-01, B-02 and B-03 together with several small drops of glue. Use just enough glue to hold the parts together loosely.

3...Slide B-05 down onto the assembly from the top. The cutouts in B-05 should be at the back end (short end) of the bombay. Make sure that it is seated on top of the legs on the B-02 and B-03 parts. Place part B-04 into place on the top of the bombay.

Wiggle the parts around to make sure that all parts are seated and tight against each other. Also, make sure that the bombay is squared up.

Now, securely glue all of the parts together using thin C/A glue.

4...Glue one B-08 to each B-07 as shown. Be sure to make two left hand and two right hand. Harden the holes with glue.

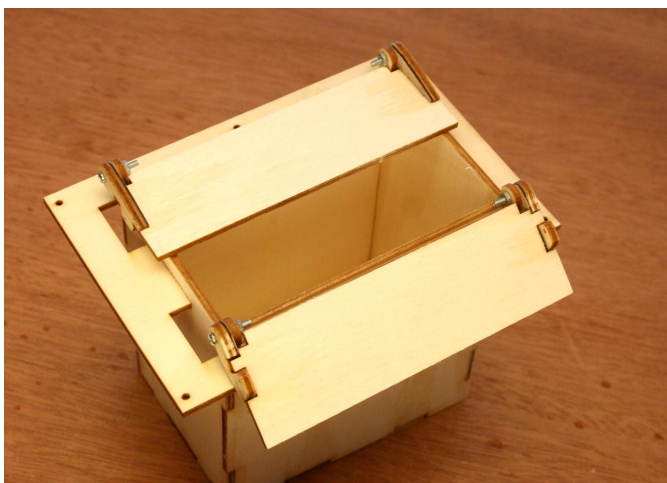


5...Glue the B-07 / B-08 hinges to the B-06 doors. The B-07 on the hinges face inboard...face each other as shown.



6...Test fit the doors to the bombay. Insert the 2-56 screws and nuts not quite tight.

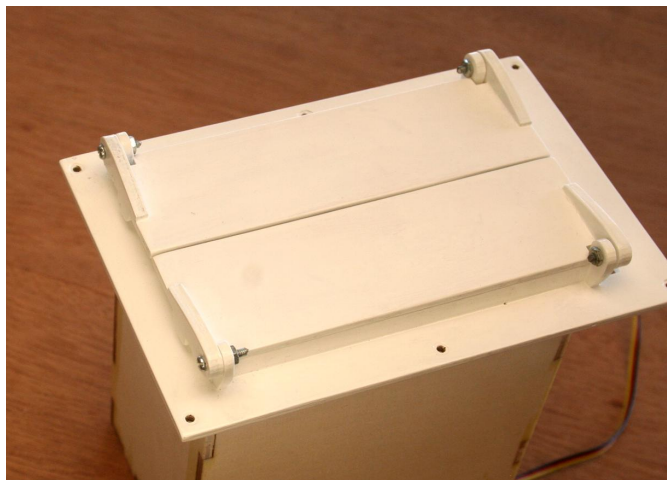
The doors should swing freely. Sand the parts to allow the proper movement. Sand the faces of the hinges a little extra to allow for the application of paint without binding.



7...Paint the bombay to match your model. We used 3 thinned coats of clear dope and two coats of white dope. You may use any paint that you prefer. If you are using a glow motor, be sure to use fuel proof paint.

You do not need to finish the entire bombay. Just the bottom and up about 1 1/2" on the sides. We finished both sides of the doors.

8...Fit the doors to the bombay. Insert the 2-56 screws and nuts. Tighten the screws just snug and then loosen them just until the doors swing freely. Carefully apply a small drop of thick C/A glue to the nut to lock it in place. Now cut off the end of the screw close to the nut.



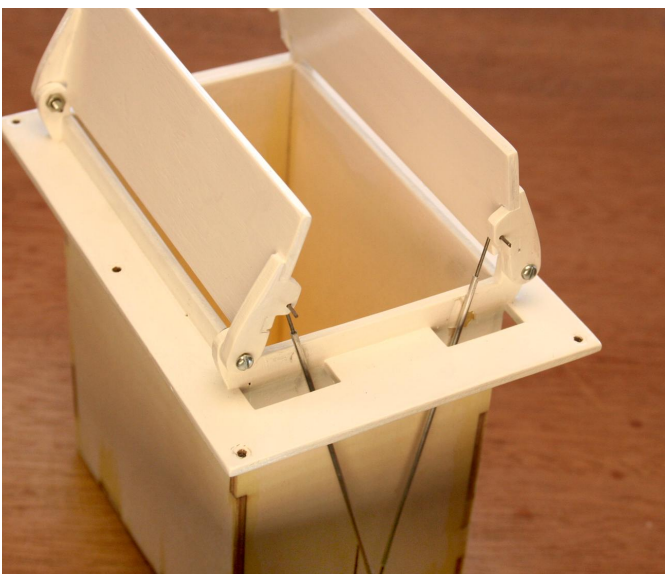
9...Cut the 1/32" x 12" music wire in half to make two 6" pieces. Make a 1/4" long 90 degree bend in one end of each wire. Cut the two 1/16" aluminum tubes to a length of 3-3/8".



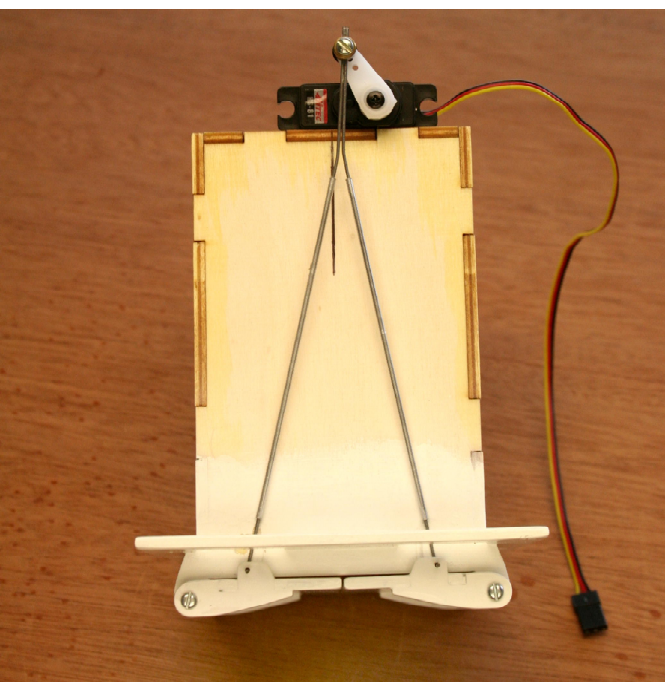
10...Slide the tubes onto the music wire. Position the tube 1/2" from the 90 degree bend and secure the tube to the wire with thin C/A glue.



12...With the doors open, feed the bent ends of the wire through the openings in B-05. Gently spring the ends and insert the wires into the holes in the arms on the doors.



13...With glue or thin servo tape, mount the servo to the top of the bombay in the position shown. Install an EZ connector on the servo arm. Bent the top end of the pushrods as shown and insert them into the EZ connector.



Adjust the pushrods so that the doors just close when the servo is in the full up position. Tighten the screw on the EZ connector to hold the wires in place. Trim the wires off close to the connector and lock them in place with a small drop of thin C/A glue.

Mount the bombay in the bottom of the fuselage with the pushrods at the rear. Connect the servo to the receiver.