

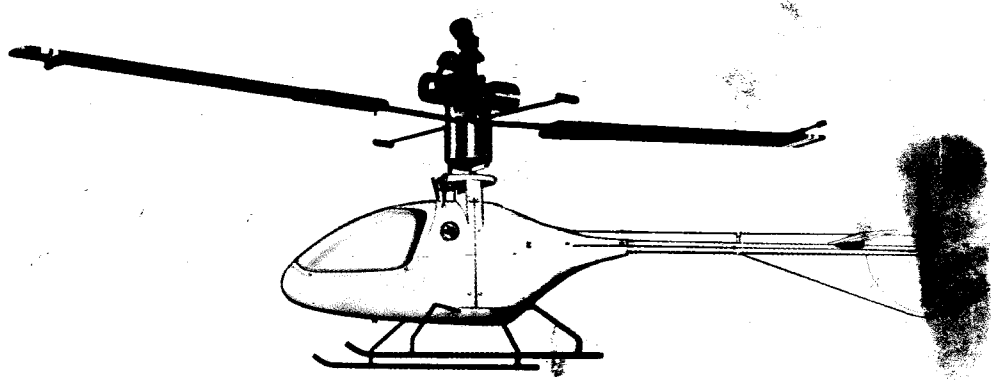
*John Thema*

\$3.50

# **ASSEMBLY** and **FLYING**

## **INSTRUCTIONS**

**"DU-BRO WHIRLYBIRD 505" RADIO CONTROLLED HELICOPTER KIT**



designed and manufactured by  
**DU-BRO PRODUCTS INCORPORATED**

wauconda, illinois 60084

**U.S.A.**

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## INTRODUCTION

Since helicopters are so new to the radio control field, and all copters including the full-sized ones, are very dependent on everything working perfectly, we strongly advise you to read and follow all instructions. If you deviate from any of the prescribed steps or try to change the engine size, props, weight of model, or any other parts, then you are on your own. If, however, you build this kit as we have described, you should have no trouble learning to fly it. After you learn to fly the model, you can start to modify it and try your own ideas. It is suggested that you read the instructions completely and study the drawings and pictures before starting constructions. If you use the written instructions for assembly procedures, the exploded view drawings for part identification and location, and the pictures to see what the assembly should look like when finished, you should have no trouble building this copter.

### WOOD FRAME ASSEMBLY

1

1. Install bearing blocks in side rails. ✓  
(Top block hole up, bottom block hole down.)  
Note mark on one end of each bearing block.  
Install blocks so that the marks are on the same side. ✓ See Drawing A for part identification. Use white glue on all wood joints except where noted. Sand all wood parts before assembling.

2. Glue landing gear block in place. ✓

3. Glue servo mounting plate in place. ✓ You may have to sand the thickness of this plate in order to press it into the slot of the landing gear block.

4. Glue servo mounting rails in place.

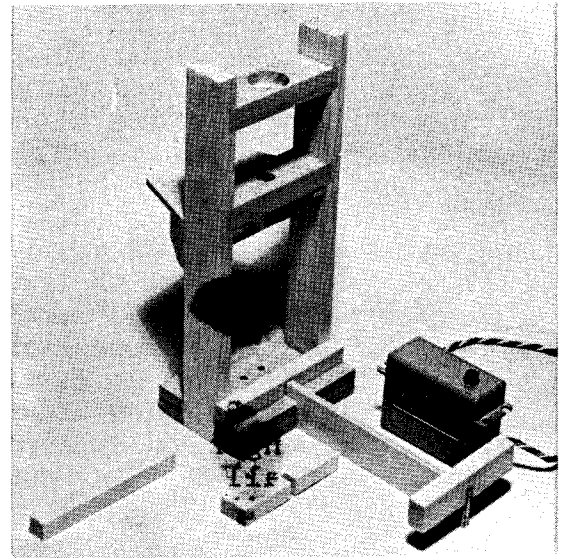
(Adjust to fit your servos.) See Pix #1.

After installing rails, fit servos in place. If you are using some of the larger servos, you may have to cut out some of the side rails so that you have about 7/16" between the servos.

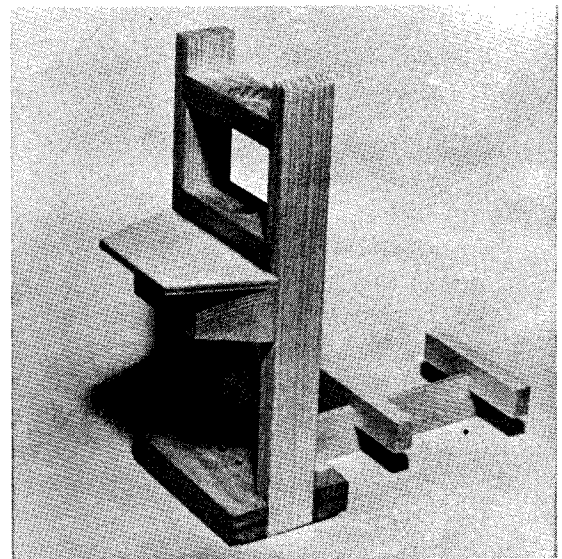
5. Glue tail boom mounting plate in place.

6. Glue tail boom mounting block in place. Be sure the small hole is on the left side as you face the front of the copter. See Pix #2.

7. Round top 1 1/2" edges of side rails so plastic body will fit.



2



### TAIL BOOM ASSEMBLY

1. Bend tail rotor protector wire to shape as per Drawing B. Use 14" long 1/16" wire provided.

2. Glue protector wire in place using the wood button plug. You may have to square off the end of the tail boom with sandpaper. Make the first three bends and insert the wire through the boom and make last bend. Epoxy wood plug and wire into tail.

3. Trim plywood fin to fit protector wire.

