



BUILD INSTRUCTIONS:

1. INSTALL .051" CARBON RODS IN FUSELAGE AND WING PANEL
2. INSTALL 5MM WING SPAR AND LAMINATE KF PANEL TO THE WING PANEL
3. FILL IN EXPOSED CARBON SLOTS WITH LIGHTWEIGHT SPACKLE
4. BEVEL LEADING EDGES OF ELEVONS AND ATTACH TO WING WITH TAPE HINGE
5. CONTOUR THE LEADING EDGE AND WINGTIP PER THE AIRFOIL SECTION SHOWN AT THE TOP OF PLANS
6. WING GRAPHICS MAY BE PAINTED OR APPLIED AT THIS TIME, THEN APPLY LEADING EDGE REINFORCEMENT TAPE
7. LAMINATE FUSELAGE LOWER, DOUBLERS, AND FIREWALL FILLER PANELS
8. JOIN HALVES OF HORIZONTAL FUSELAGE DOUBLERS (THIS APPLYS TO KITS ONLY AS THIS PART IS 2 PIECE)
9. GLUE THE FUSELAGE LOWER TO THE HORIZONTAL FUSELAGE DOUBLER
10. INSTALL THE FUSELAGE SUB-ASSEMBLY TO THE WING SUB-ASSEMBLY
11. INSTALL VERTICAL STABILIZER FIN AND FIREWALL

12. INSTALL ELEVON CONTROL HORNS
13. CENTER SERVOS AND ATTACH CONTROL ARMS
14. INSTALL SERVOS
15. BEND PUSHRODS FROM .032" MUSIC WIRE AND INSTALL WITH DUBRO #849 EZ CONNECTOR
16. INSTALL MOTOR, ESC, AND RECEIVER
17. USE VELCRO STRAPS TO SECURE THE ESC, RECEIVER, AND BATTERY
18. SET ELEVON TO FLAT (NO REFLEX) WITH CG AT 3-3.25" FROM NOSE
19. SERVO SETTINGS SHOULD GIVE 5/16" DEFLECTION AT LOW RATES WITH 50% EXPO AND 3/4" DEFLECTION ON HIGH RATES WITH 50% EXPO. MEASURED AT ELEVON ROOT
20. PUT ON 20' OF 1" WIDE CREPE PAPER STREAMER WITH A PIECE OF TAPE AND GO GET SOME VICTORIES

EQUIPMENT SPECIFICATIONS:
 MOTOR: BLUE WONDER 1700 KV
 PROPELLER: 7X6
 SERVOS: HXT 9G (2)
 BATTERY: 850 MAH 2S - 1000 MAH 3S
 MATERIAL SPECIFICATIONS:
 ALL MATERIAL IS "MODEL PLANE FOAM" UNLESS OTHERWISE SPEC'D

StingRay 3.0
an original design by Ken Neal

WINGSPAN: 32"
 OAL LENGTH: 18"
 WING AREA: 236"
 WEIGHT: w/2s BATT. 7oz - w/3s BATT. 8oz
 FOR NON COMMERCIAL USE ONLY
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