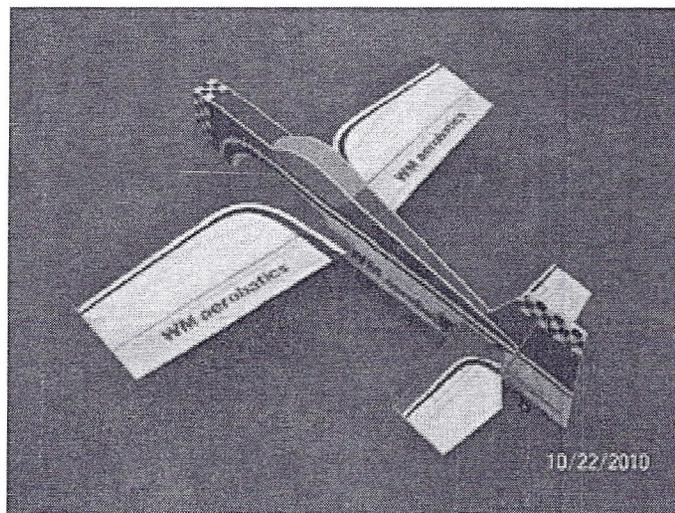


WM EPP series electric model airplane

Instruction manual

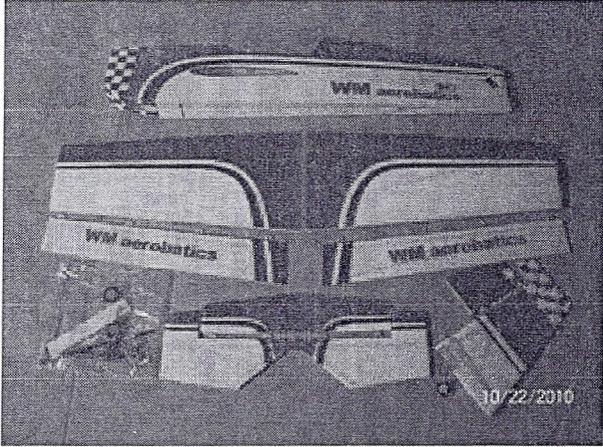


WM aerobatics

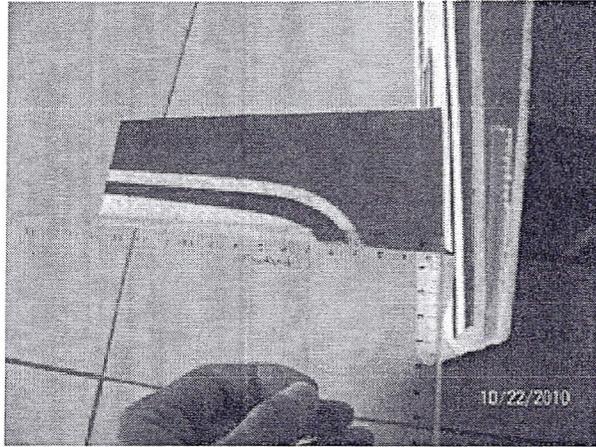
SAFETY PRECOUTIONS: This model is NOT a toy! First time builders and the children under twelve should seek assistance from people with model building experience to ensure the airplane is assembled correctly. Serious injury may result from the misuse of this product. You are responsible for this model's assembly and safe operation. Always stay safe during your operation.

Thank you for choosing this WM aerobatics product. Please read through the instructions thoroughly before assembling this model. (With our products being improved, the images in this instruction manual may not reflect the actual model that you are assembling)

Packing list: Your package should include the following: fuselage, wing panel, aileron, stabilizer, elevator, vertical fin, rudder, landing gear parts, surface angles, and linkages (as picture 1 shown). Please check your box, if any parts lacking, please contact the distributor.



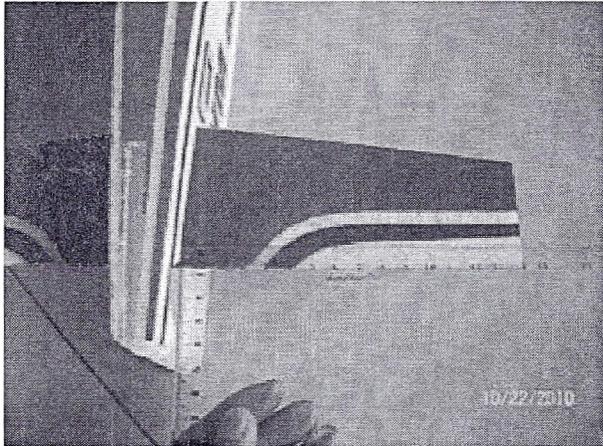
pic.1



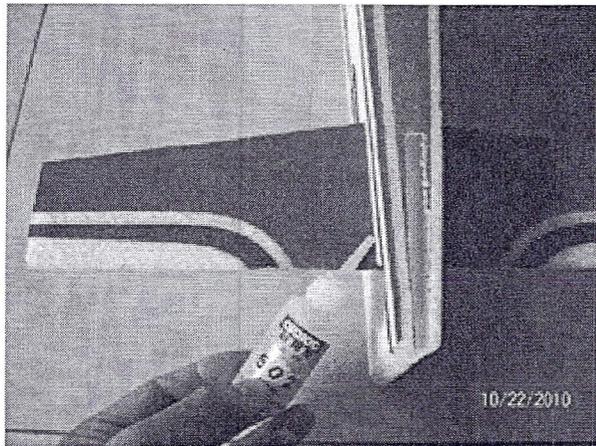
pic.2

Section A. Install the stabilizer

Install the stabilizer inside the fuselage. Align the stabilizer carefully ensuring the stabilizer is centered in the fuselage and 90 degrees to the fuselage sides. Then glue the stabilizer into place with 502 instant adhesive. As pic.2, 3, 4 shown.



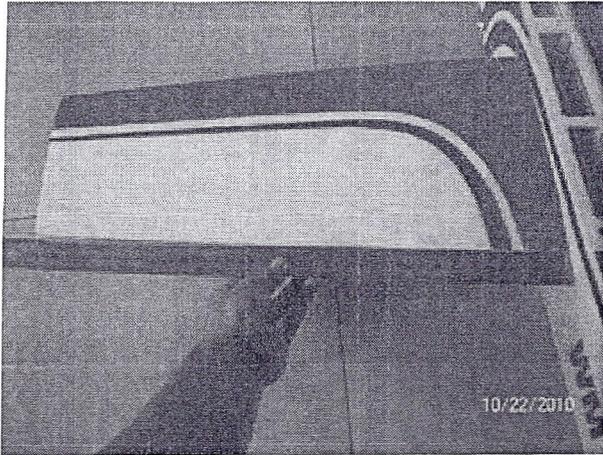
pic.3



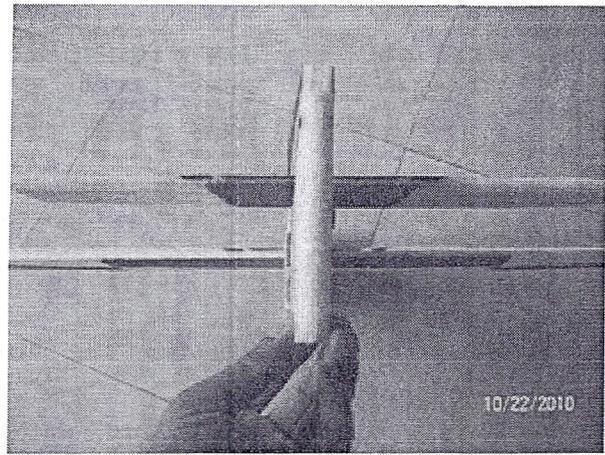
pic.4

Section B. Install the main wing

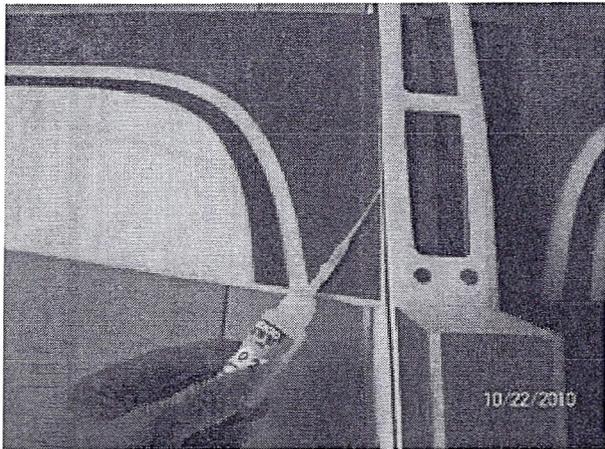
Install the wing panel into the fuselage. Align the wing panel carefully ensuring the wing panel is centered in the fuselage and 90 degrees to the fuselage sides. Then glue the wing panel into place with 502 instant adhesive. As pic.5, 6, 7, 8 shown.



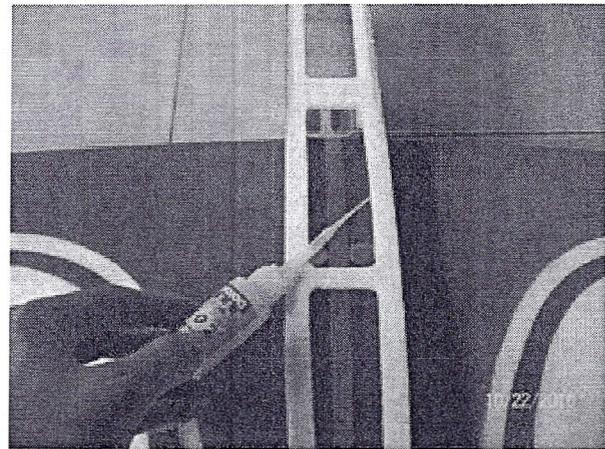
pic.5



pic.6



pic.7



pic.8

Section C. Install the elevator, rudder and aileron

Install the vertical fin into the slot of the fuselage. Insure the vertical fin is centered to the center of the fuselage and square to the fuselage sides and stabilizer. Then glue the vertical fin into place with 502 instant adhesive as pic.9 shown. Split the place as pic.10 shown.

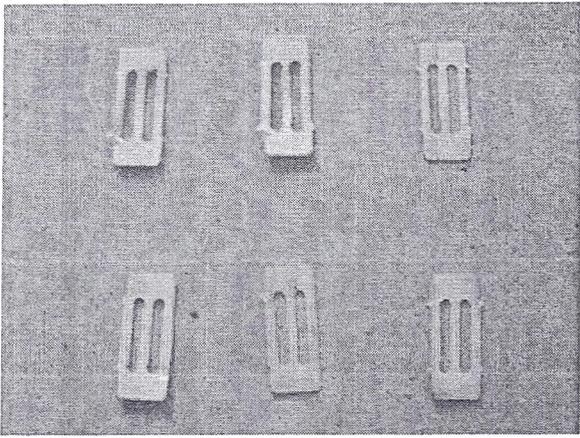


pic.9

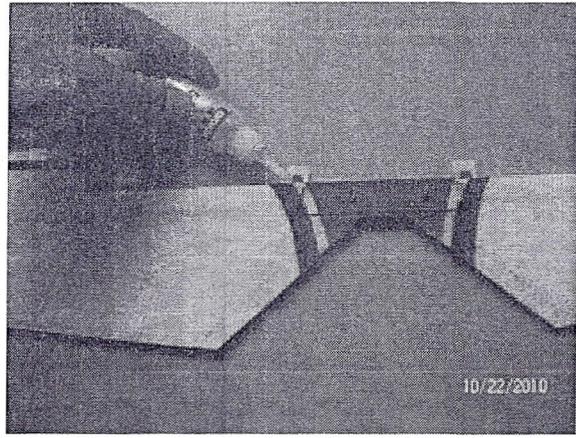


pic.10

Expose the hinge (pic.11) slots with a sharp knife in the elevator. Install the hinges into the elevator halves. Glue the place with 502 instant adhesive (pic.12).

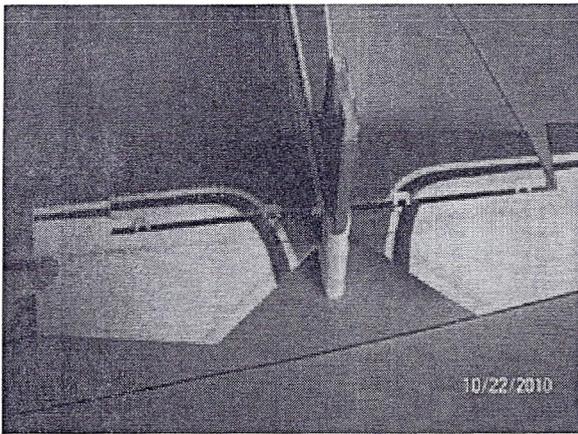


pic.11

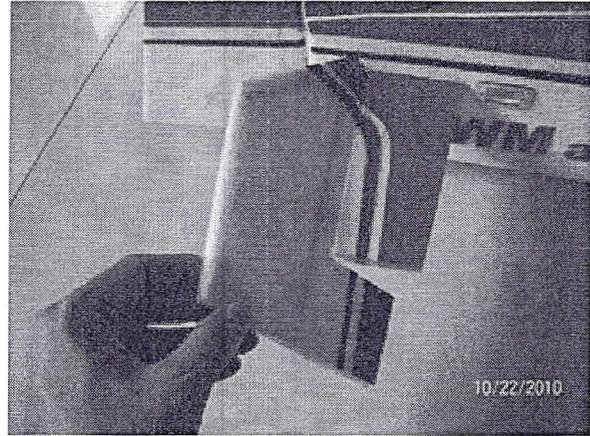


pic.12

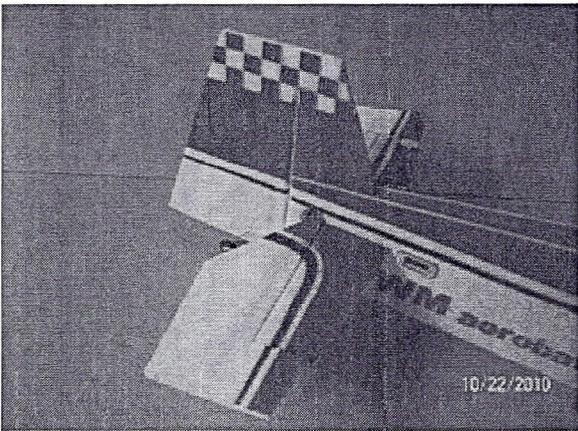
Install the elevator into the fuselage (pic.13), insert the hinges into the stabilizer, then glue the place with 502 instant adhesive. Insure the elevator can spin to certain angle that needed. (pic.14). Locate the rudder's hinges in the same fashion as the elevator, fix the rudder to the vertical fin (pic.15).



pic.13



pic.14



pic.15

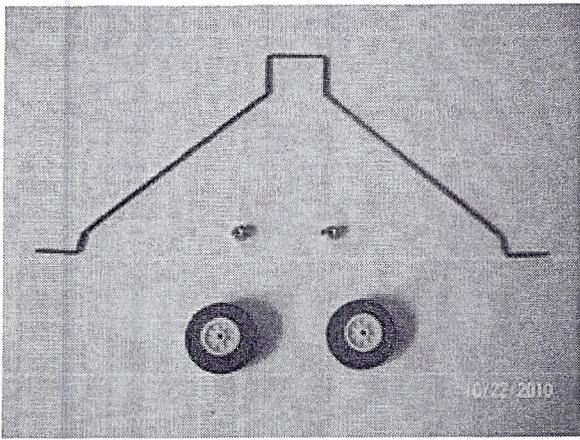
Repeat for the aileron.

Section D. Install the landing gear and tail wheel

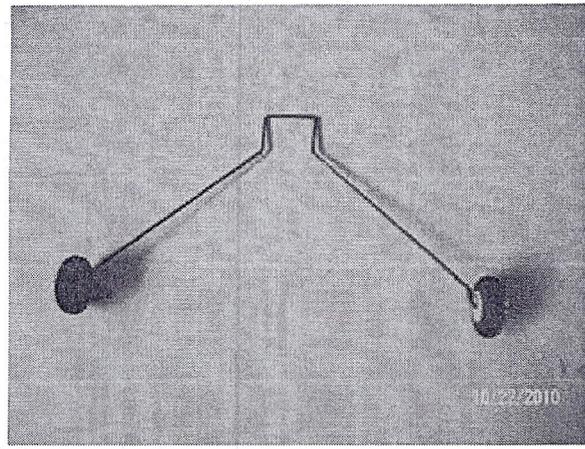
Landing gear parts are shown as pic.16. Locate the gears on the metal wire (pic.17).

Install the landing gear into the fuselage (pic.18), insert the wooden chip into the slot (pic.19), then glue the place with 502 instant adhesive (pic.20).

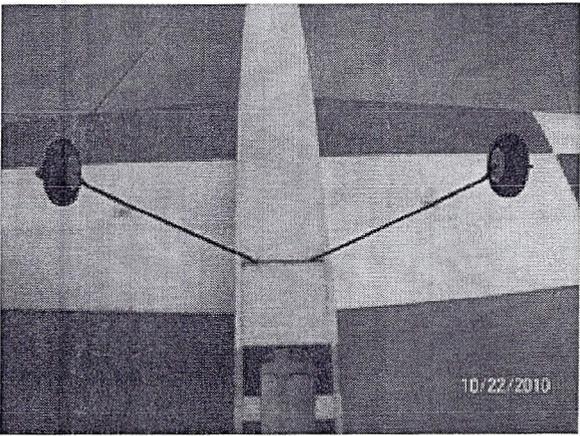
Repeat for the tail wheel. Install the tail wheel into the rudder, insert the chip, and glue the place with 502 instant adhesive (pic.21).



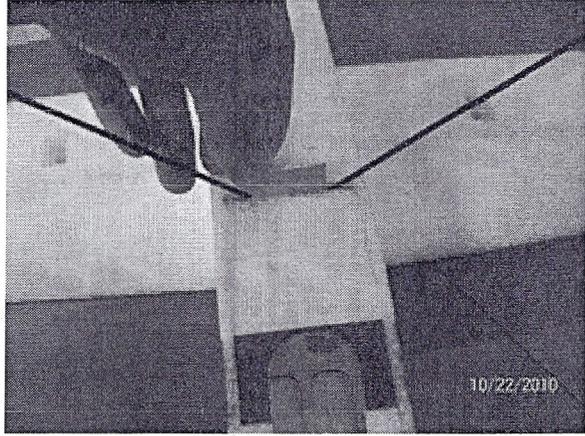
pic.16



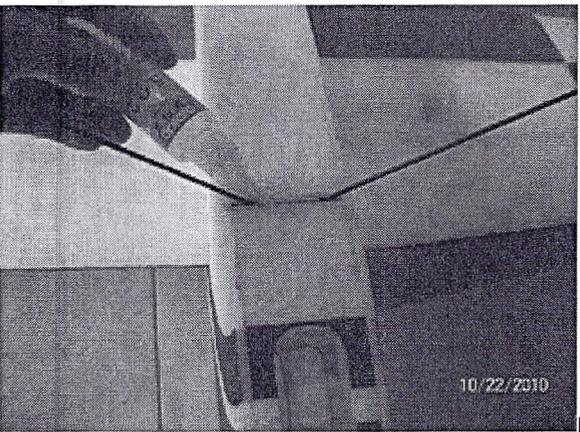
pic.17



pic.18



pic.19



pic.20



pic.21

Section E. Install the servos, angles and the linkage pushrods

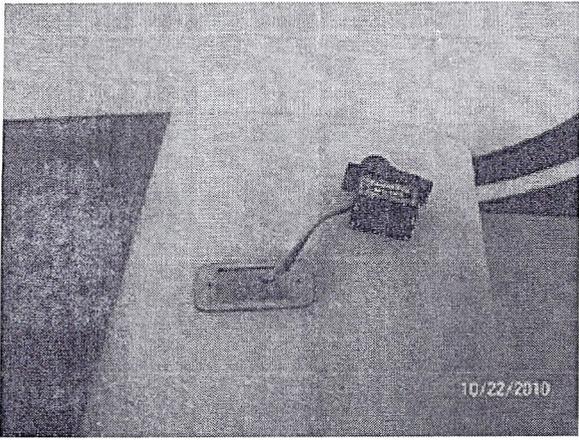
Glue the wooden chip of the servo on the servo hole, put the servo inside, and fix them with cap screws (pic.22).

Glue the angle in the place of each surface (pic.23).

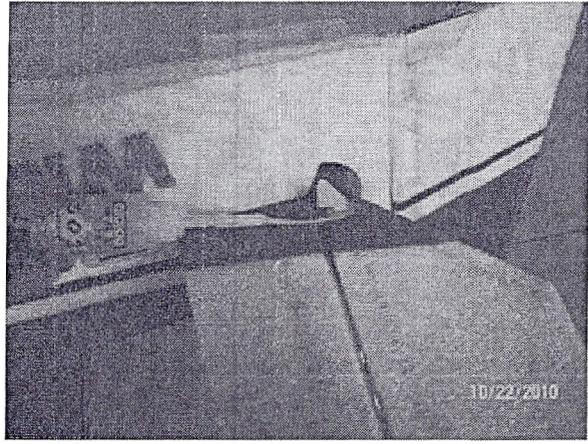
Put the shrinkable tube on the linkage pushrods, adjust the linkage pushrod to appropriate length, and heat the tube to join the two linkages (pic.24).

Mount the pushrods and the linkages with 502 instant adhesive. (pic.25). Joint the servo arm, linkage pushrod and surface angle as pic.26 shown.

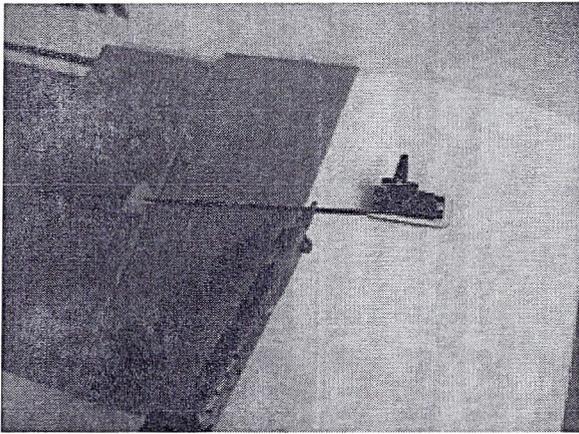
Linkage pushrods of aileron, elevator and rudder are all assembled in the same way.



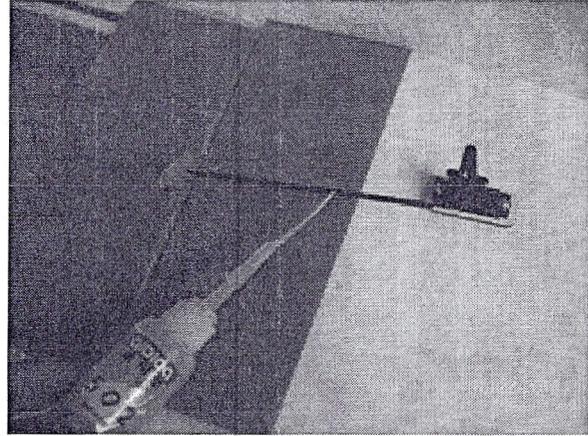
pic.22



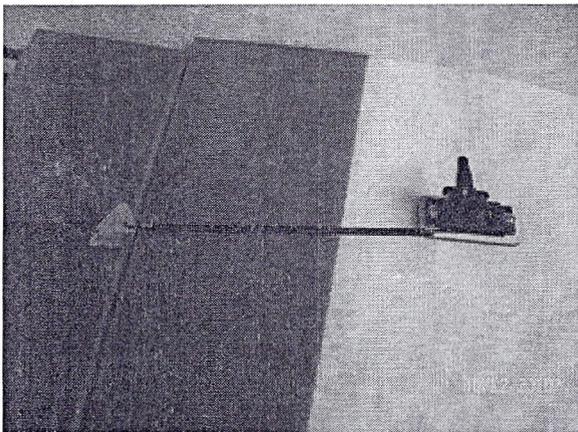
pic.23



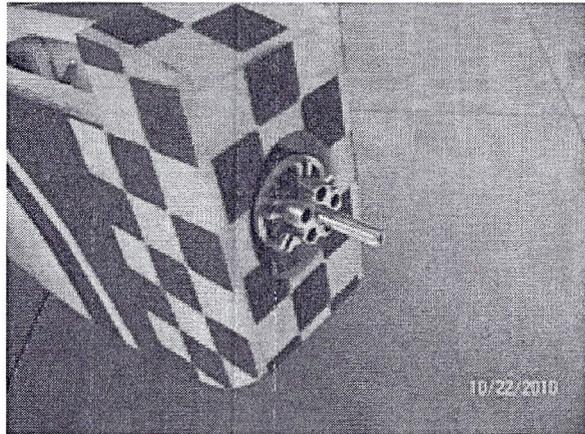
pic.24



pic.25



pic.26

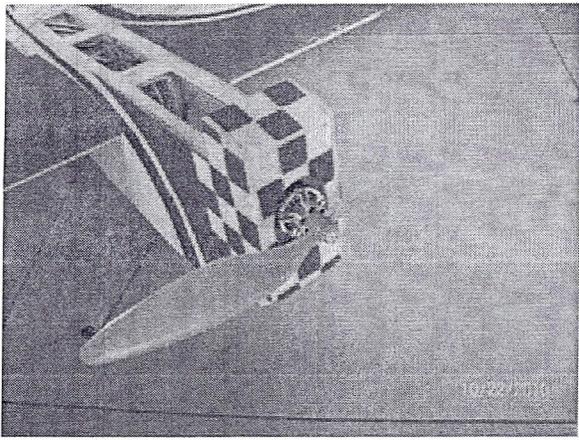


pic.27

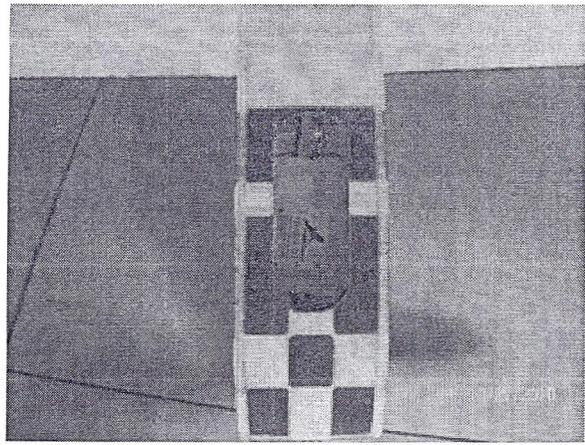
Section F. Install the electronic equipment

Fix the motor into the firewall with cap screws (pic.27). Install the propeller (pic.28).

Connect the ESC to motor, fix the ESC inside the fuselage with masking adhesive tape (pic.29).



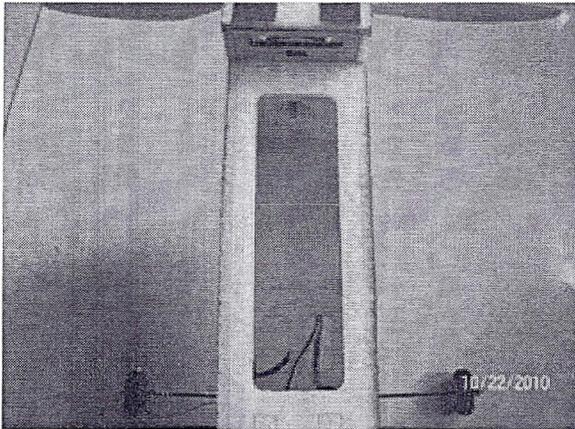
pic.28



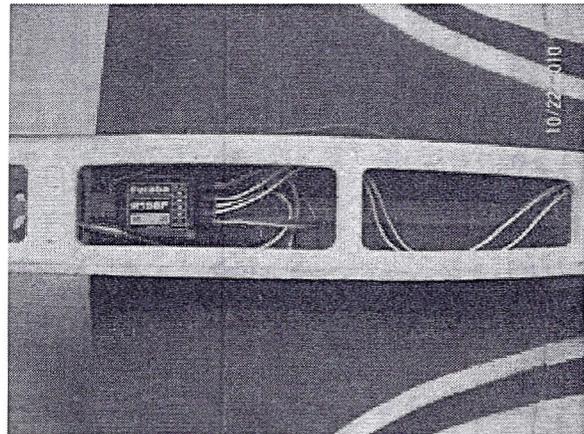
pic.29

Insert the electric wires of ESC that will be connected to battery into the battery bin, and then paste the masking adhesive tape in the battery bin. (pic.30)

Connect servo wires to the receiver, and fix the receiver in the fuselage with masking adhesive tape (pic.31).

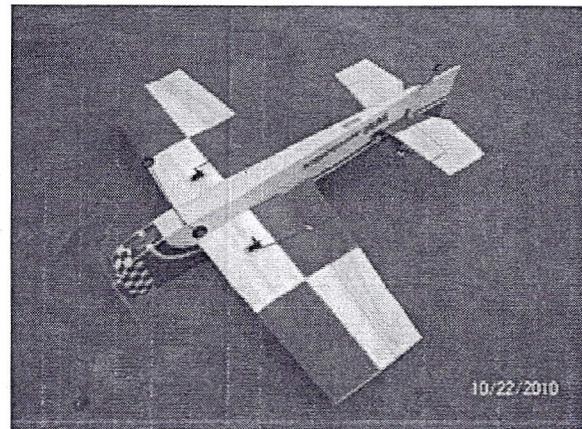
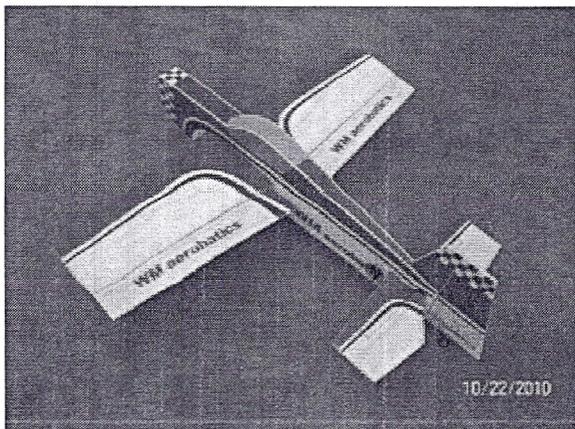


pic.30



pic.31

Assembling is over.



Section G: SPECIFICATION

CODE	WM	ITEM	WM aerobatics
WING SPAN	955mm	WEIGHT	480g (without battery)
TOTAL LENGTH	945mm	MOTOR	2834; 2212; 2217; 950-1100KV
WING AREA	15.2dm ²	ESC	25-30A
SERVO	1.5-2kg/cm; 0.1-0.2S(4pcs)	BATTERY	3S 11.1V 1000-1300MAH
PROPELLER	1047 / 1147	CENTER OF GRAVITY	85-90MM from L.E. at root
CONTROL THROWS			
AILERON	35-40 degree		
ELEVATOR	40-45 degree		
RUDDER	40-45 degree		

CAUTION:

1. NEVER flight on extremely bad weather, such as fierce wind, pool visibility, rain etc.
2. NEVER flight in the crowd, near the building or high voltage cable.
3. MAKE SURE the radio and servos work well, the battery is full charged before flight.
4. Freshman should flight with the guidance of experienced people.
5. NEVER flight the airplane to your back round. Never expose others to real danger.
6. KEEP IN MIND that you are fully responsible for the flight safety. Enjoy your safe flight!