

Tiger Shark 400 DF Airplane Assembly Procedures

RCmart International, Inc.

<http://www.rcmart.com.tw>



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1. Prow assembly

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3. Connection rods

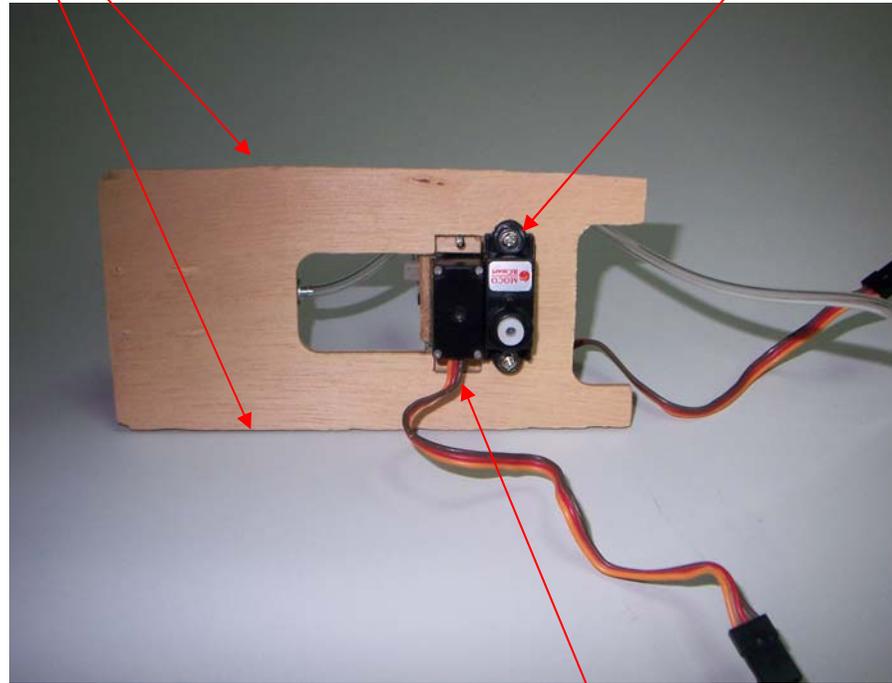
4. Patterning your Tiger Shark



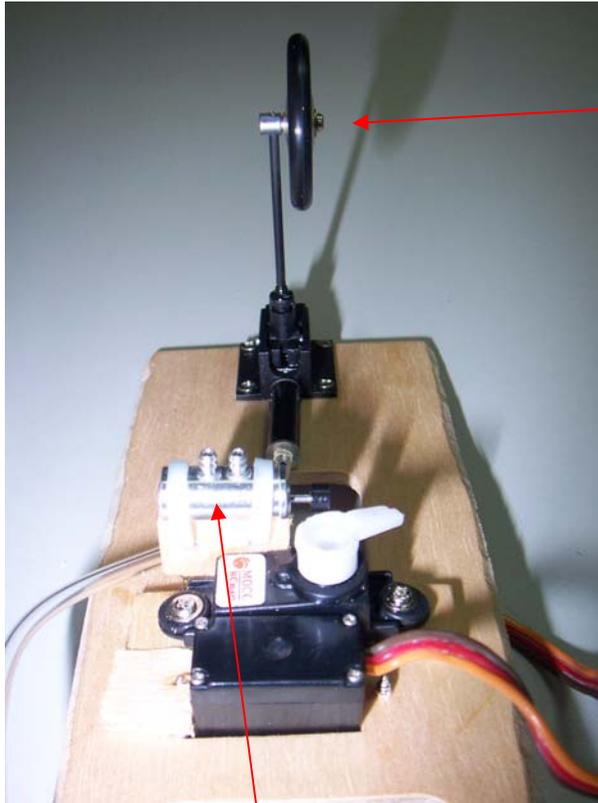
1. Prow assembly

Cut the board become inclined plane, for easy to stick with prow.

Install the elevator servo

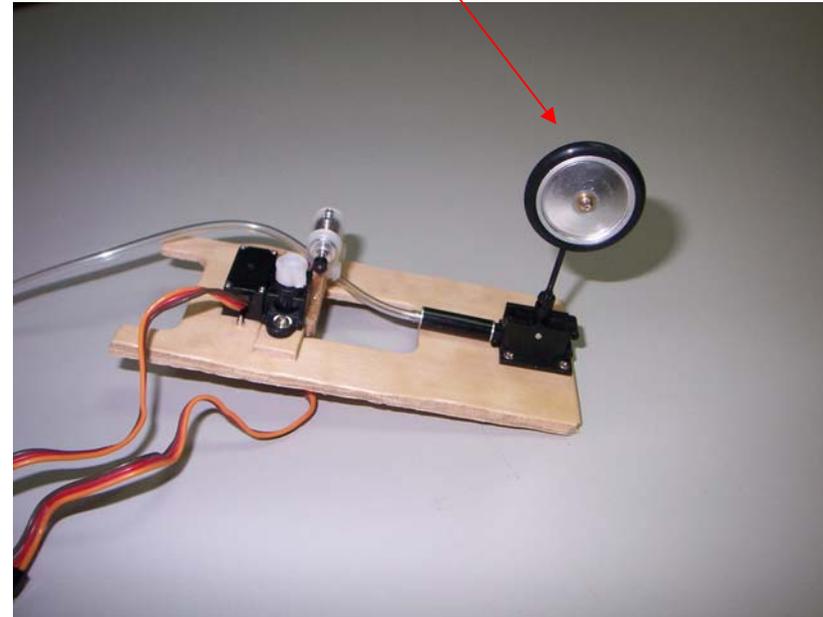


Install the retract wheels gear servo

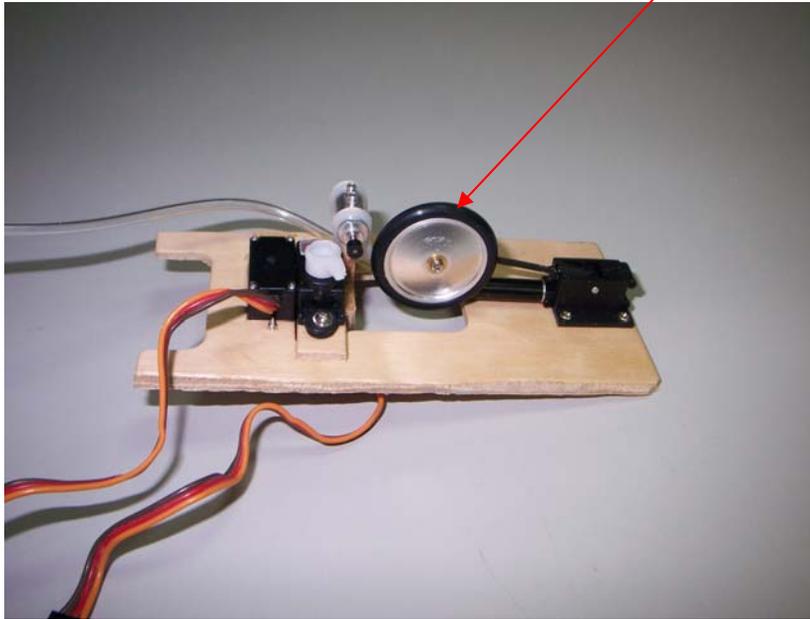


Install retract gas valve

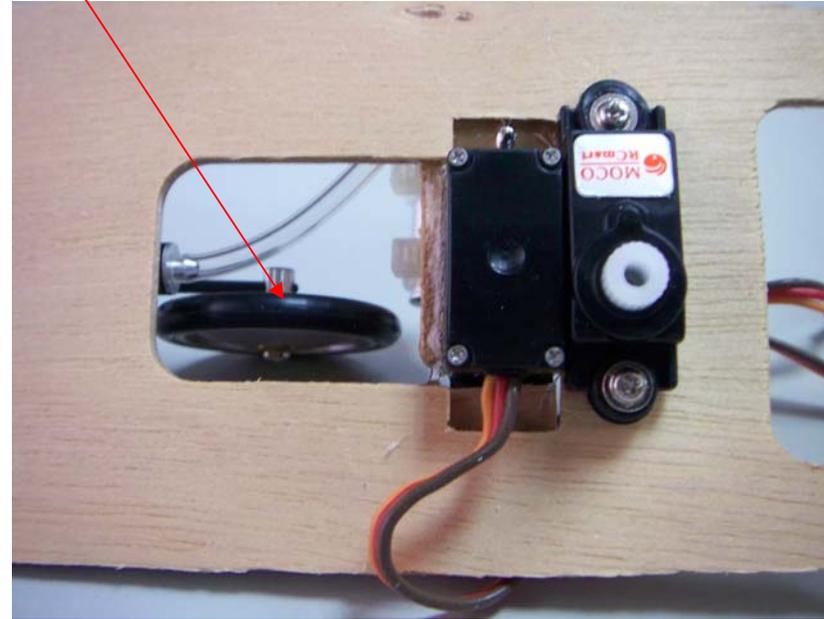
Install wheels



Test the retracting
function of wheel

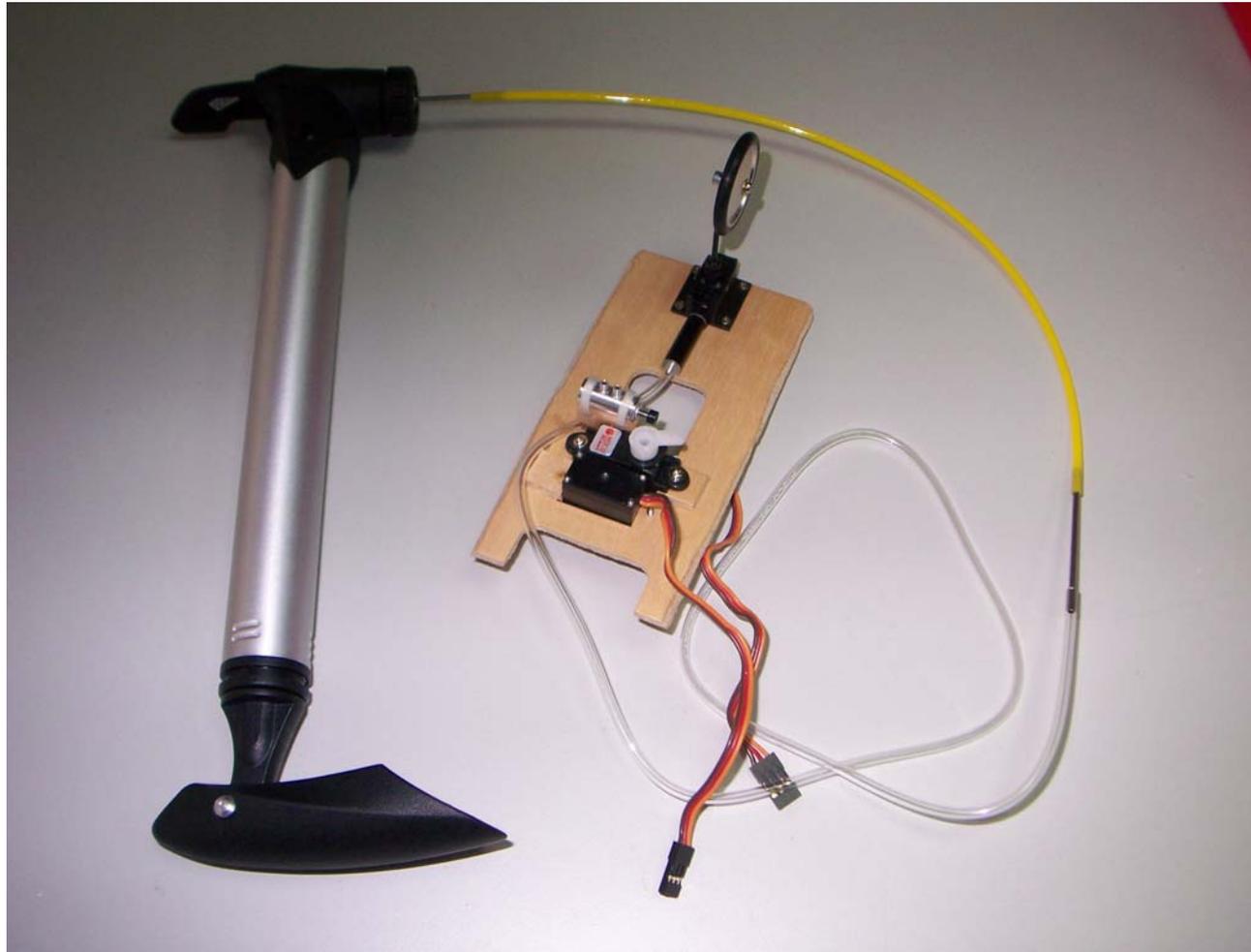


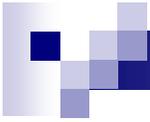
Front side



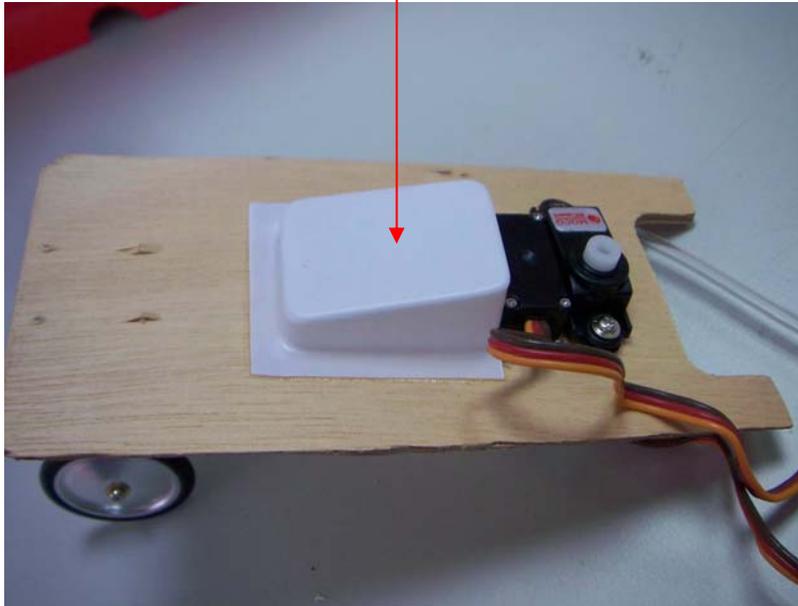
Back side

Retract wheels gear set with air pump

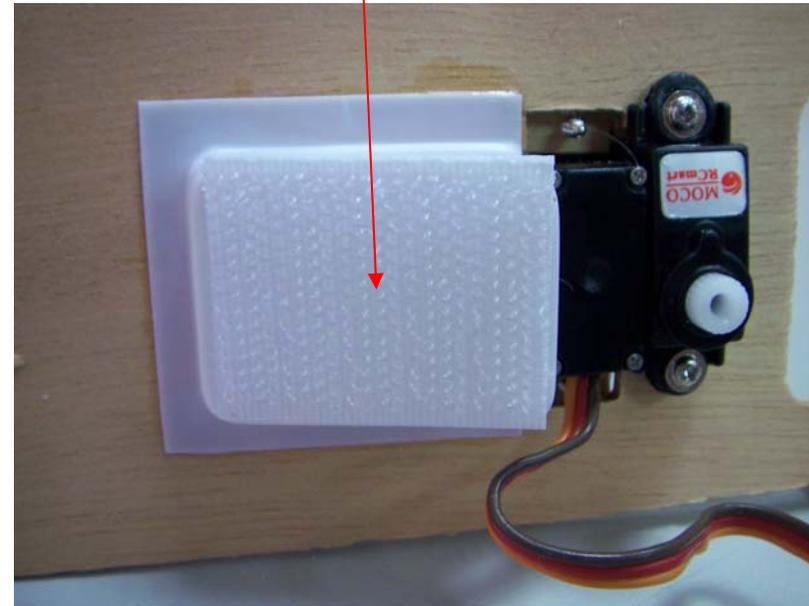




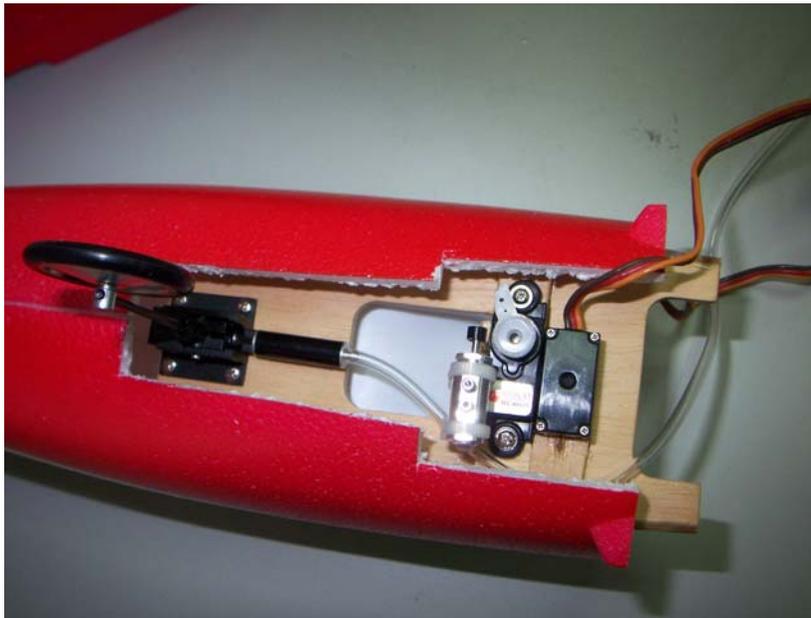
Stick the battery pedestal



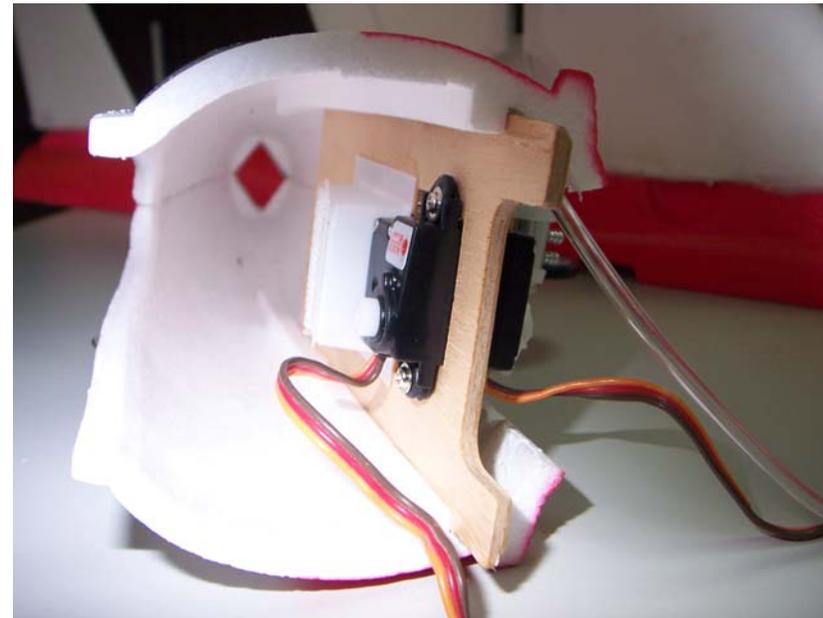
Put a sticker tape on battery pedestal

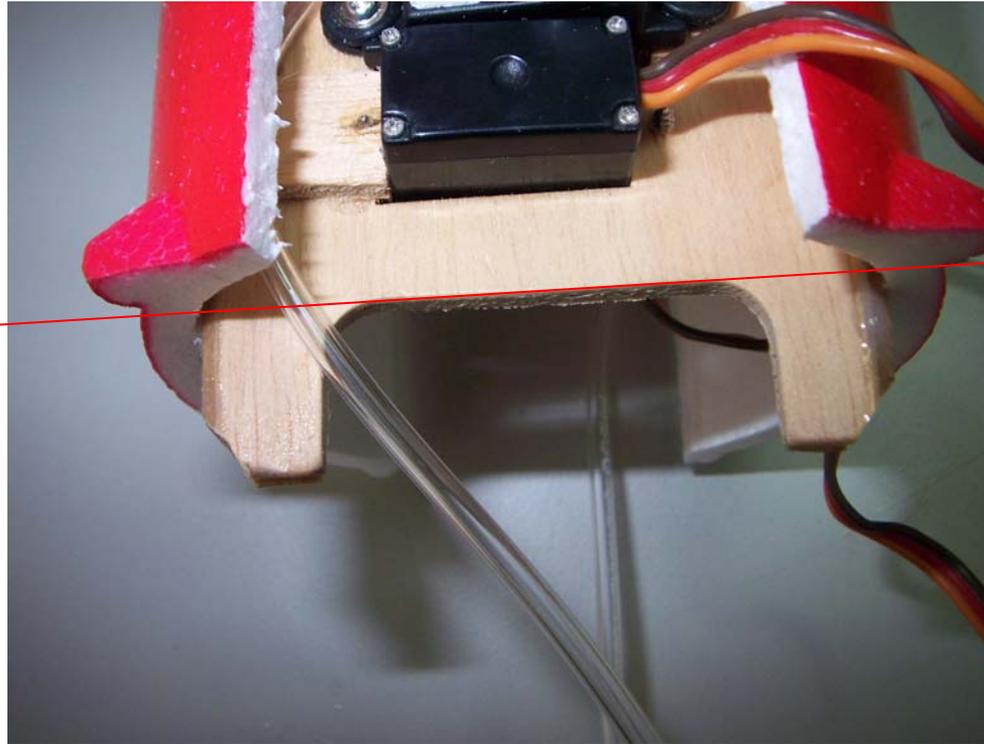
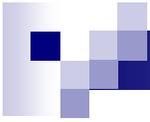


Cut a space under the prow for
put down the retract front wheel



Stick board with prow



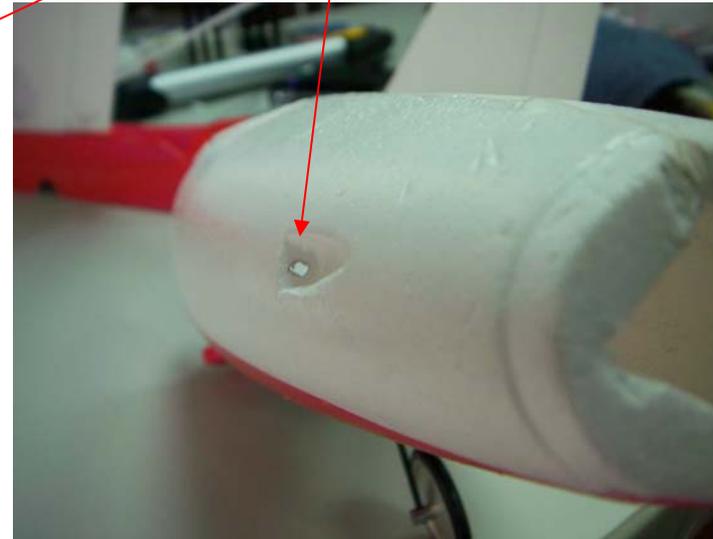


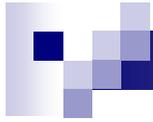
Stick board with prow to aim at line as this figure

Open a hole on the prow
front for disperse the heat
of battery

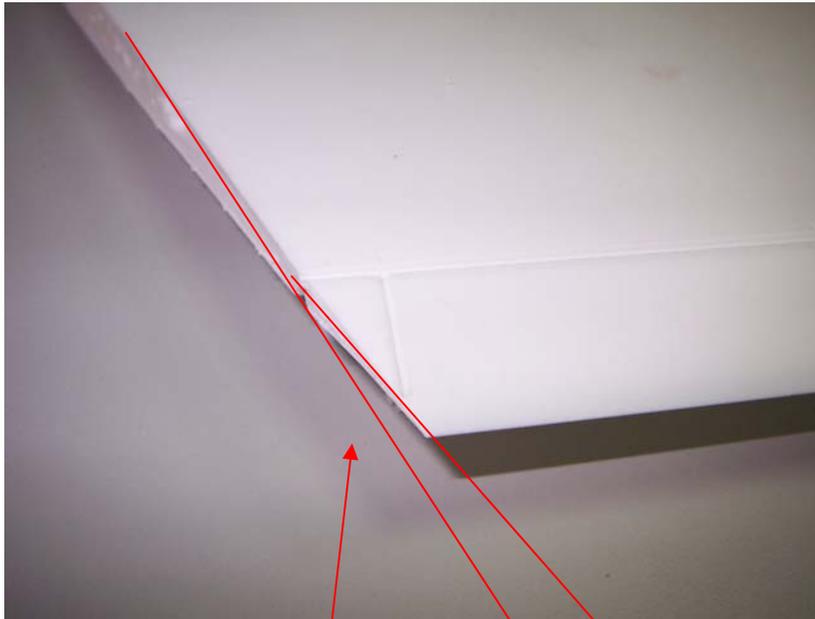
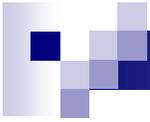


Also drill 2 holes
beside the prow



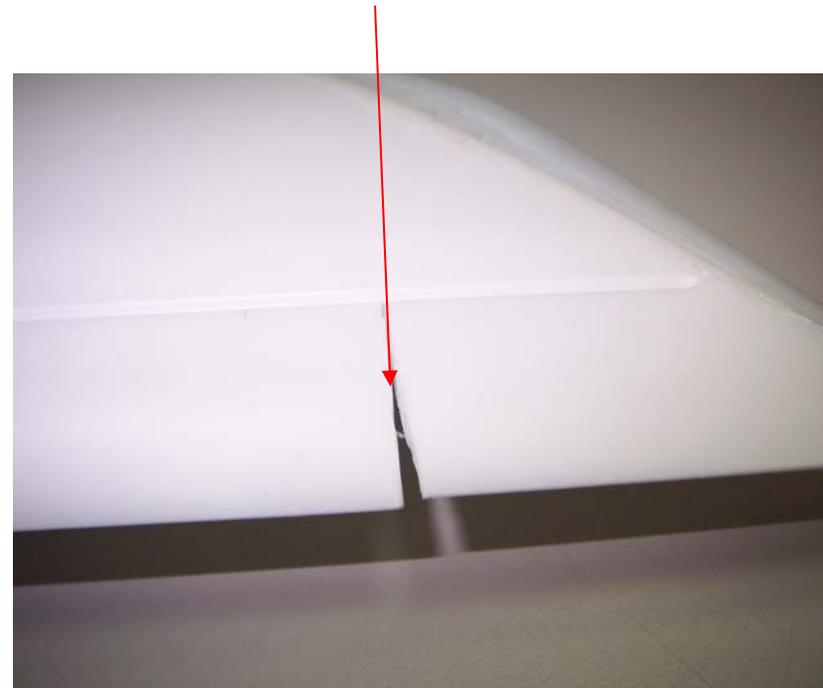


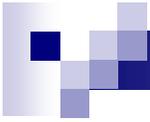
2. Fuselage assembly



For avoiding friction with fuselage , trim out 3 mm space of inside part of aileron

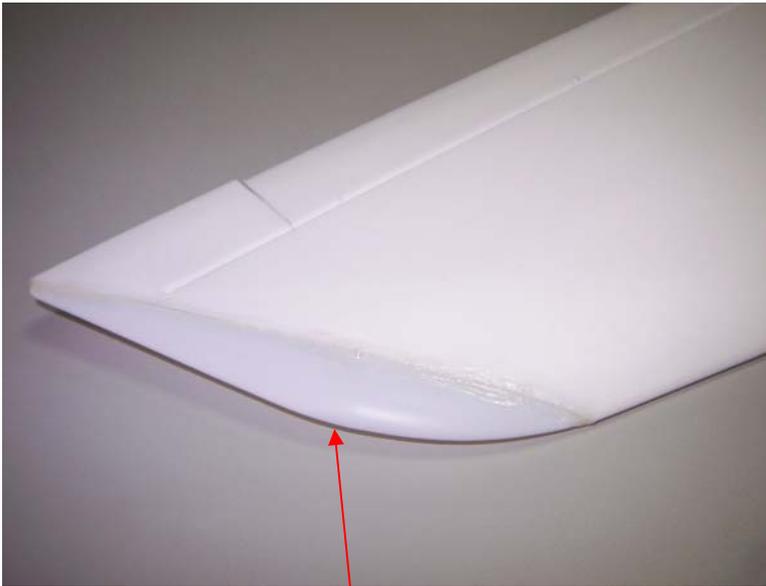
Cut a slot of the aileron outside part





Install the servo rod connector

Install the plastic wheels case on wings



Stick the plastic frontier case on wings



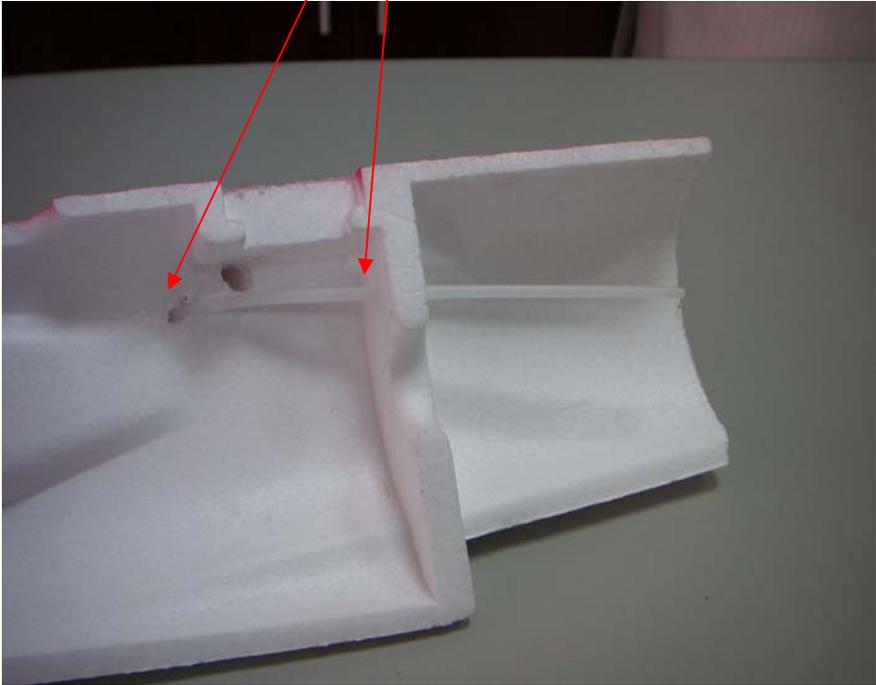
Grind the stick face of wings by sanded-paper

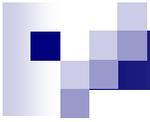
Insert 2 plastic tube into the fuselage

Outside insert point



Inside insert point



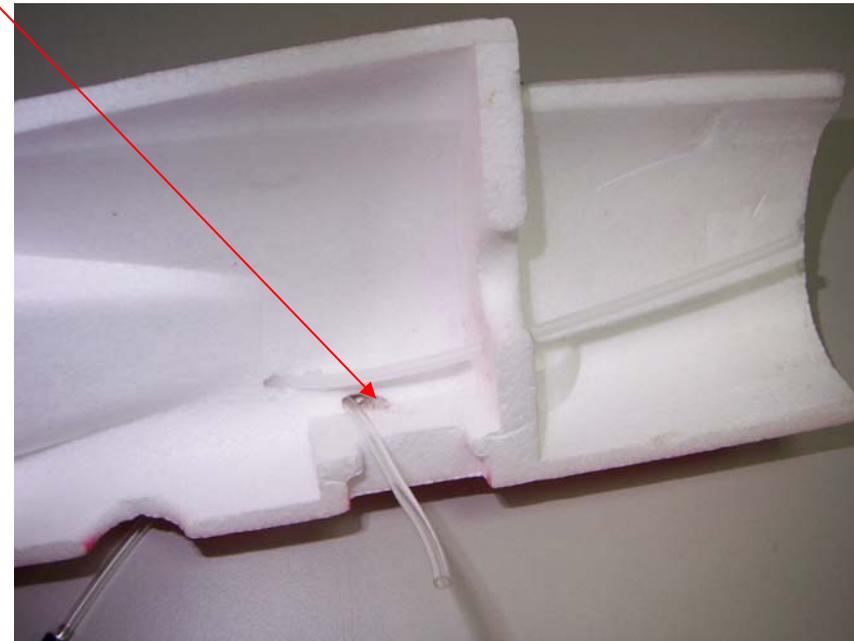
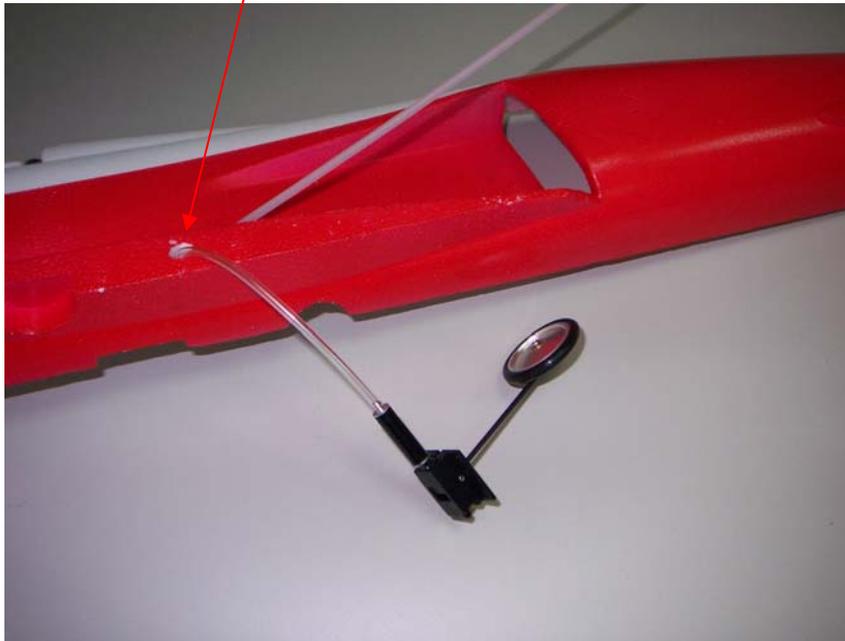
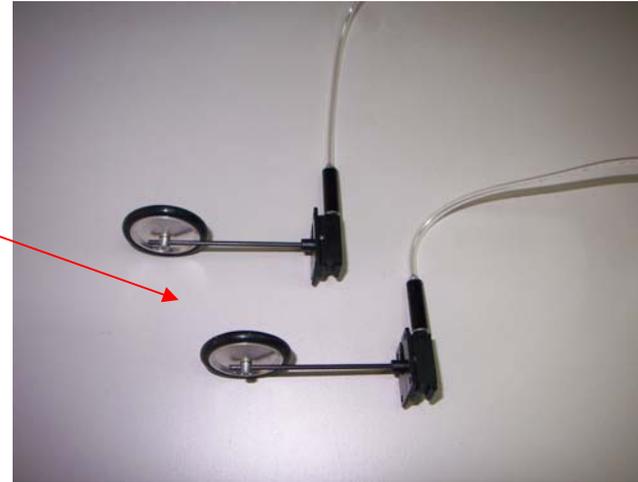


Assembly the retract wheels gear set

Insert the gas tube into the fuselage

Outside point

Inside point

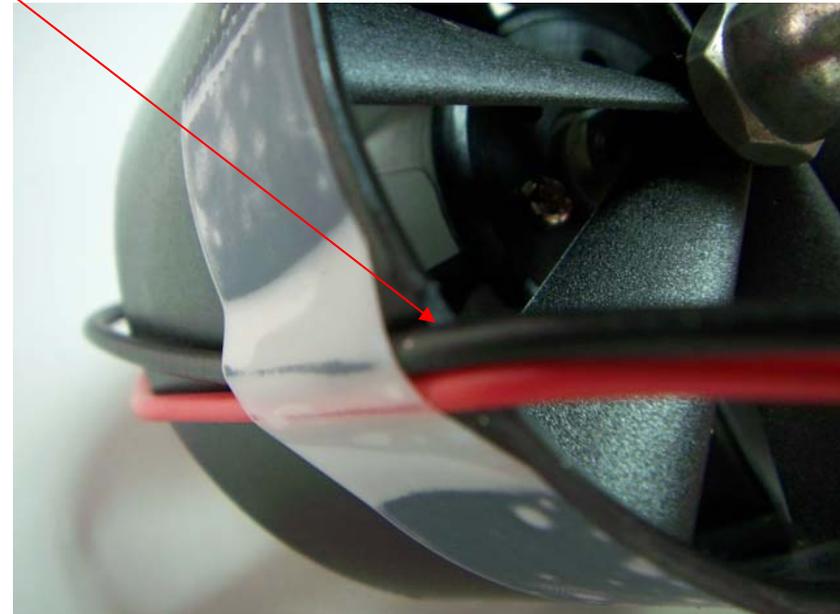
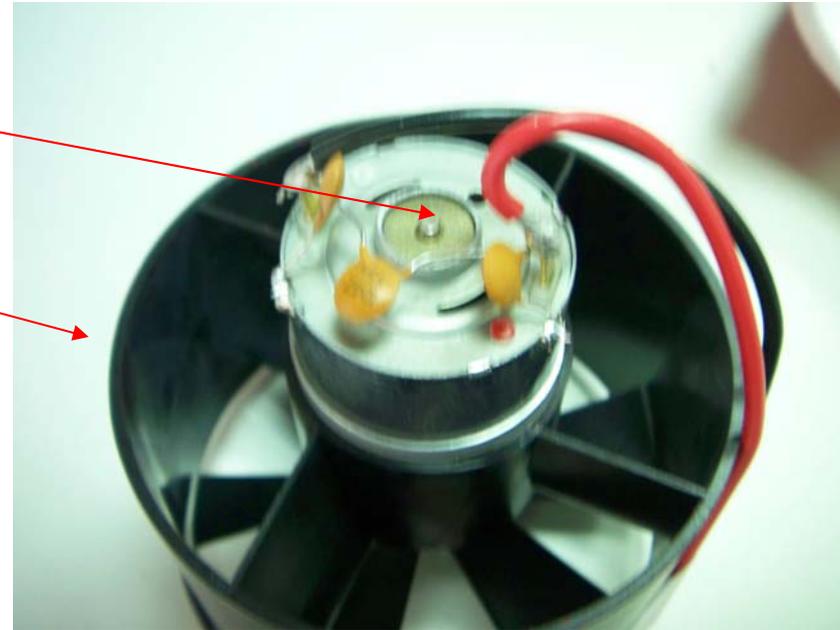


Connect the capacitor and power wire of motor

Cut out the edge of ducted fan 3 mm for easy to install in fuselage

Cut a space for through the power wire

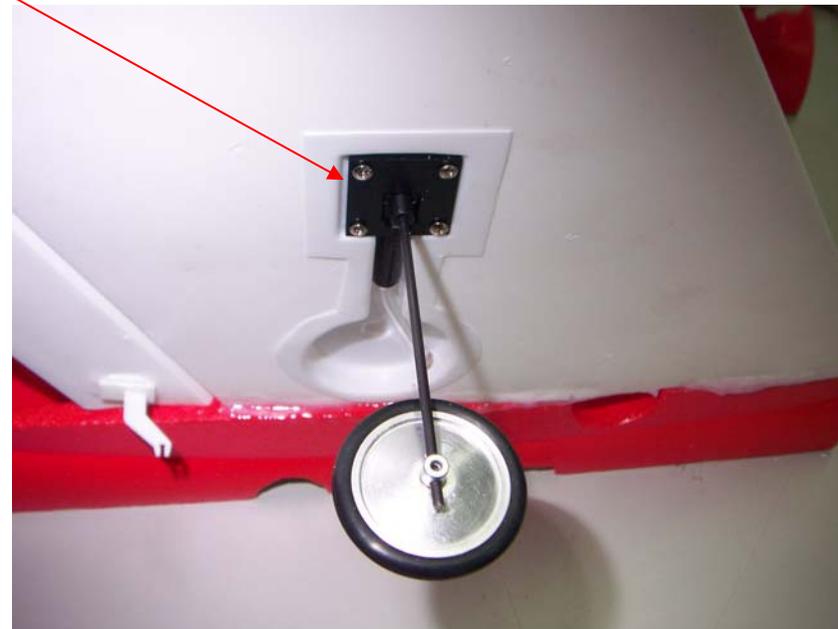
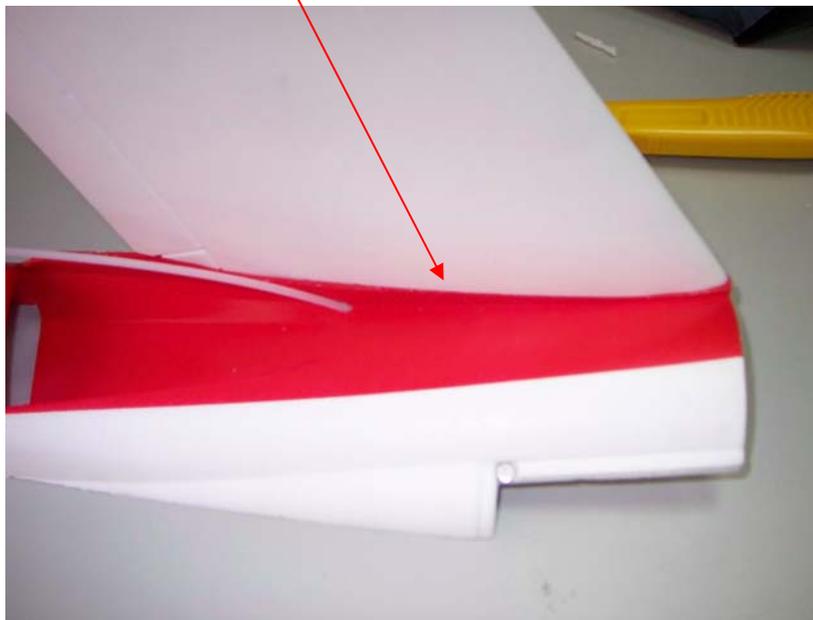
Connect motor with ESC

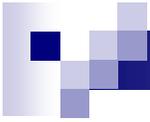


Remember do not use the general strengthen-gluе, they will damage the fuselage material. Be using the AB glue or styrofoam glue.

Stick wings

Install wheels

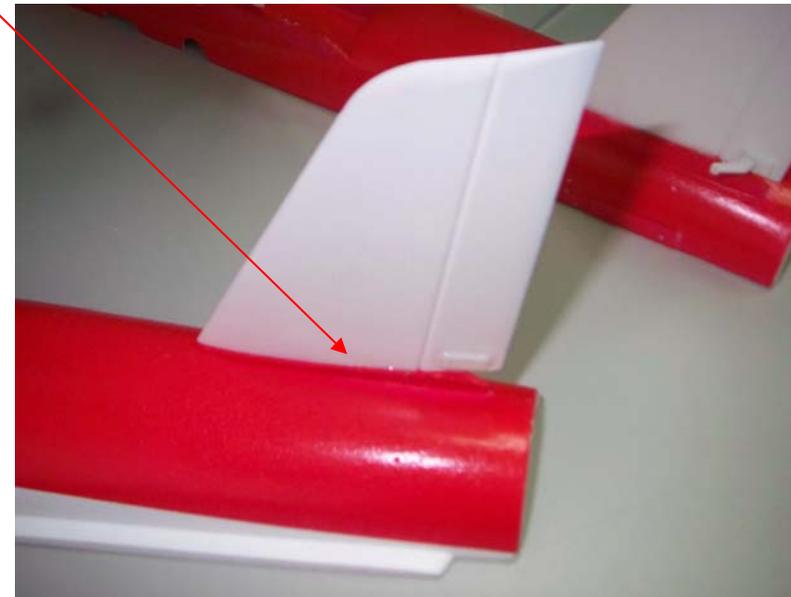
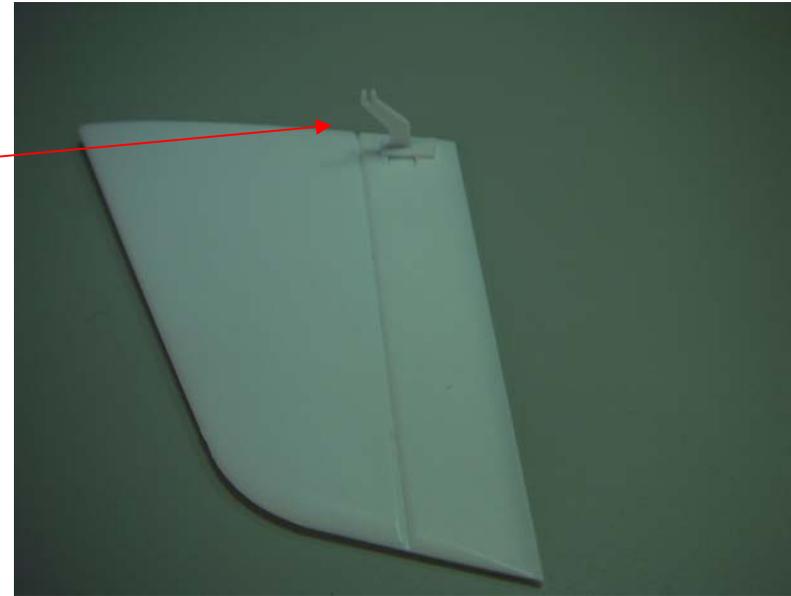




Install the elevator
servo rod connector

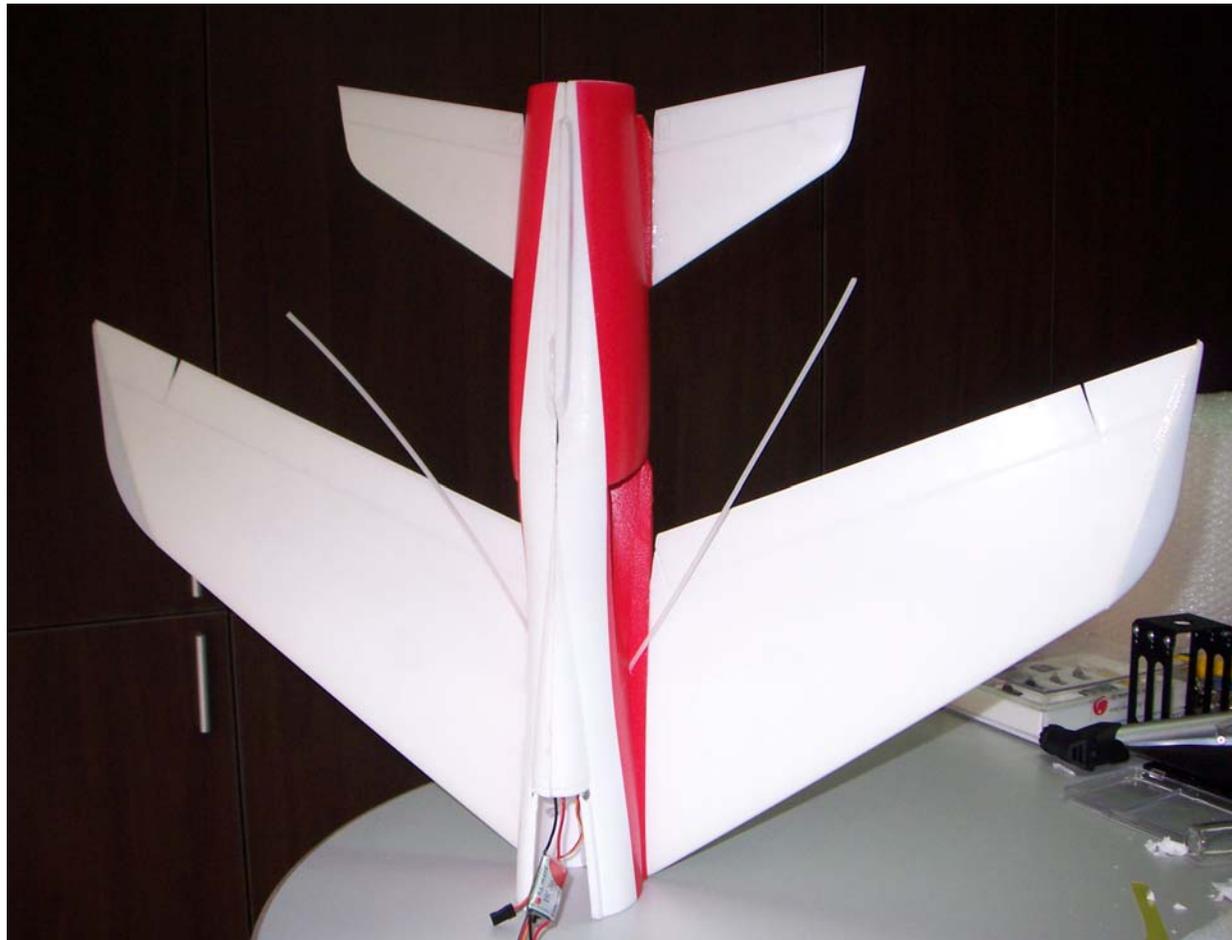
Grind the
stick face
of elevator

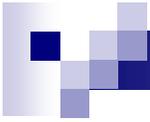
Stick
elevator



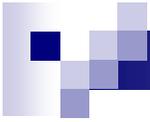
Install ducted fan, ESC, and then
stick two sides of fuselage together

Front side view



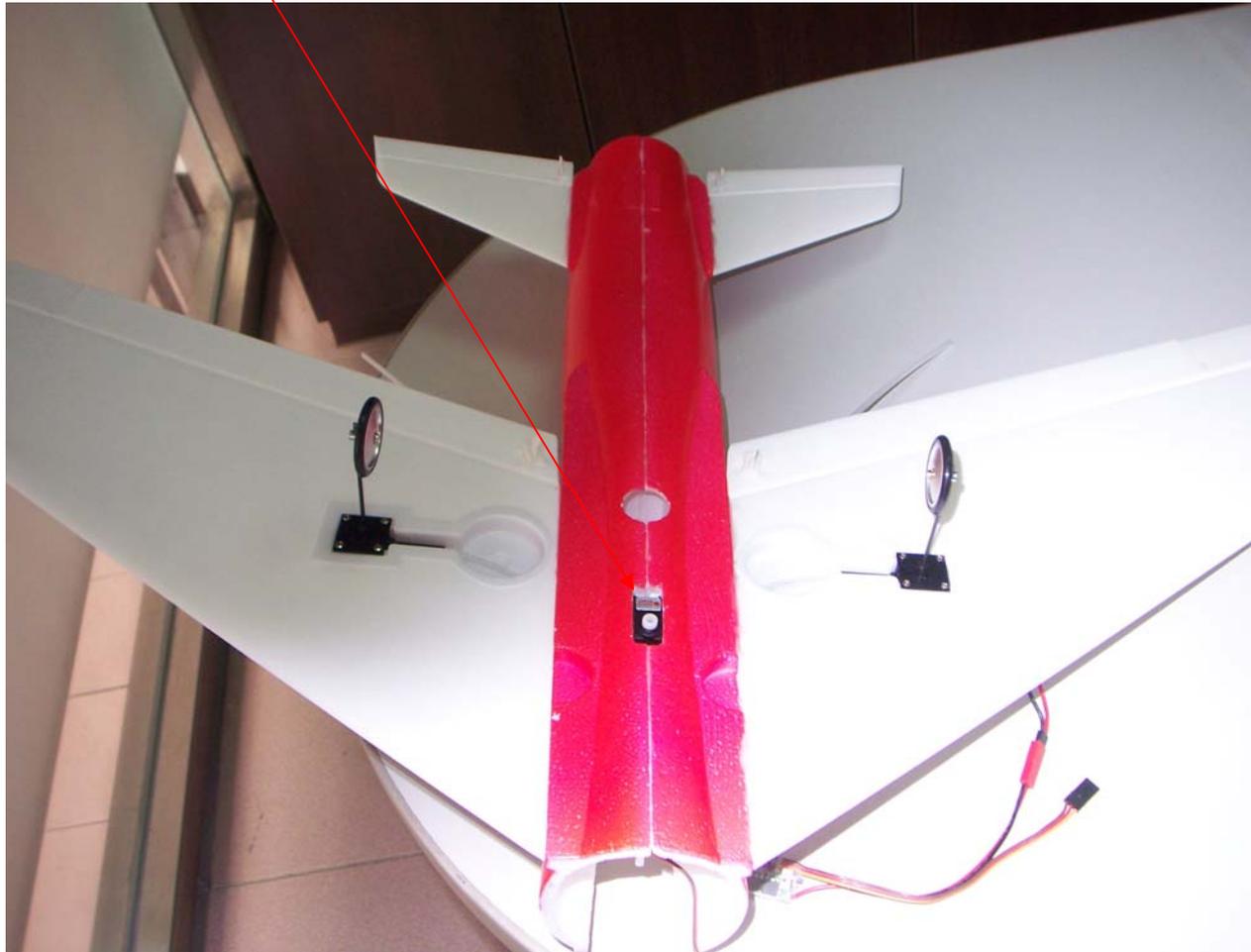


3. Connection rods

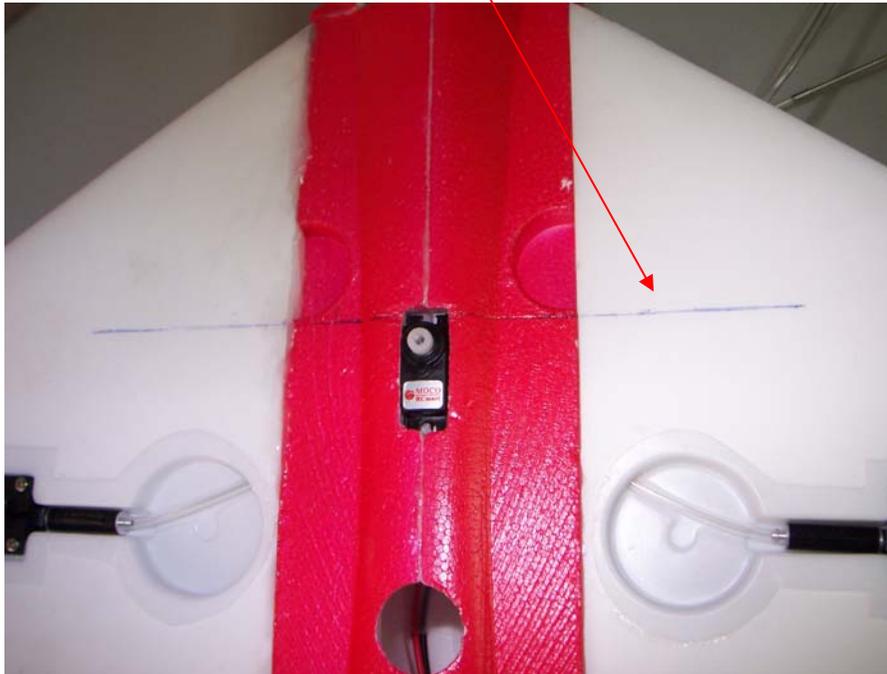


Install aileron servo

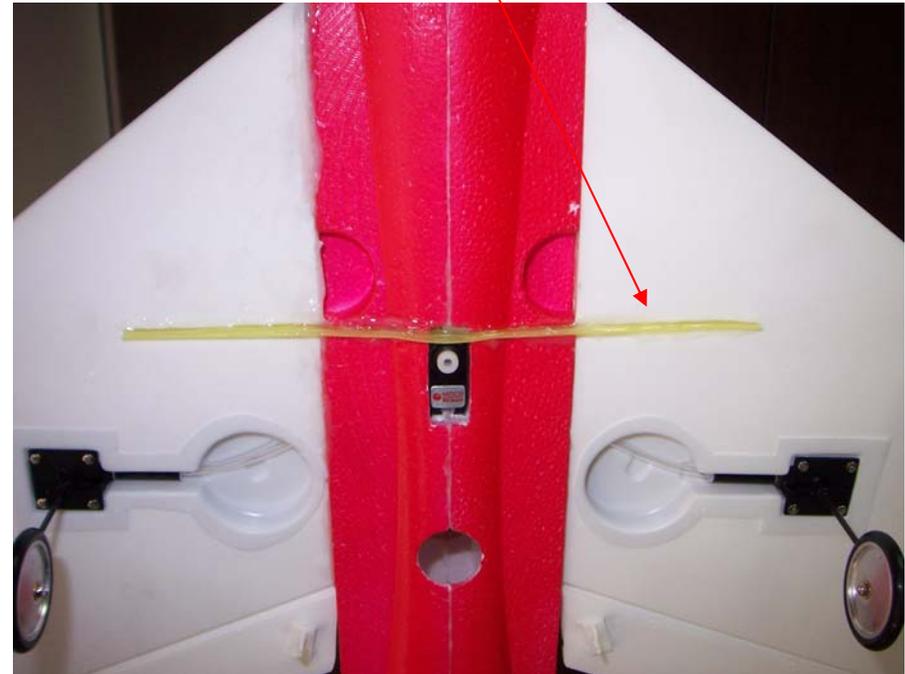
Back side view



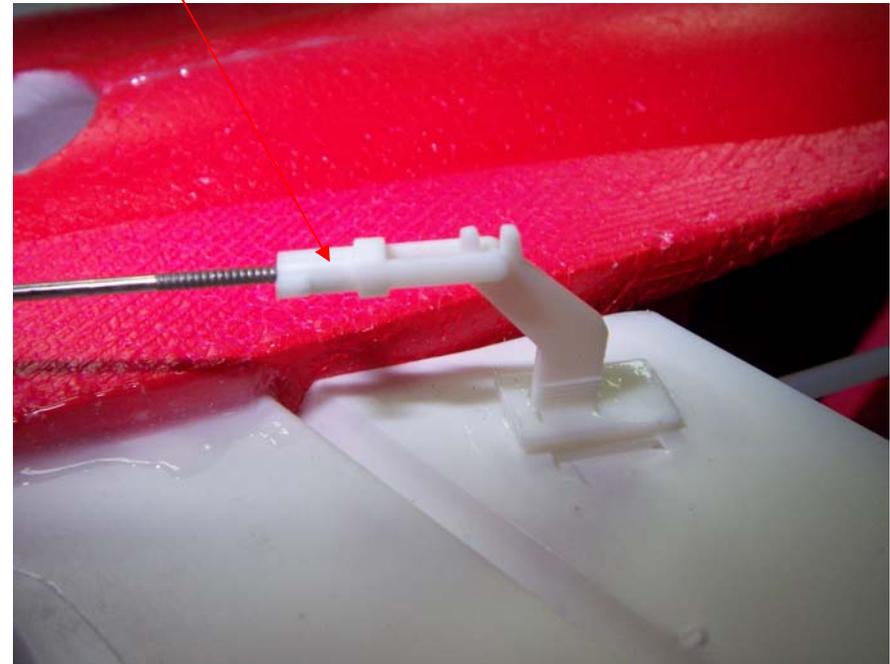
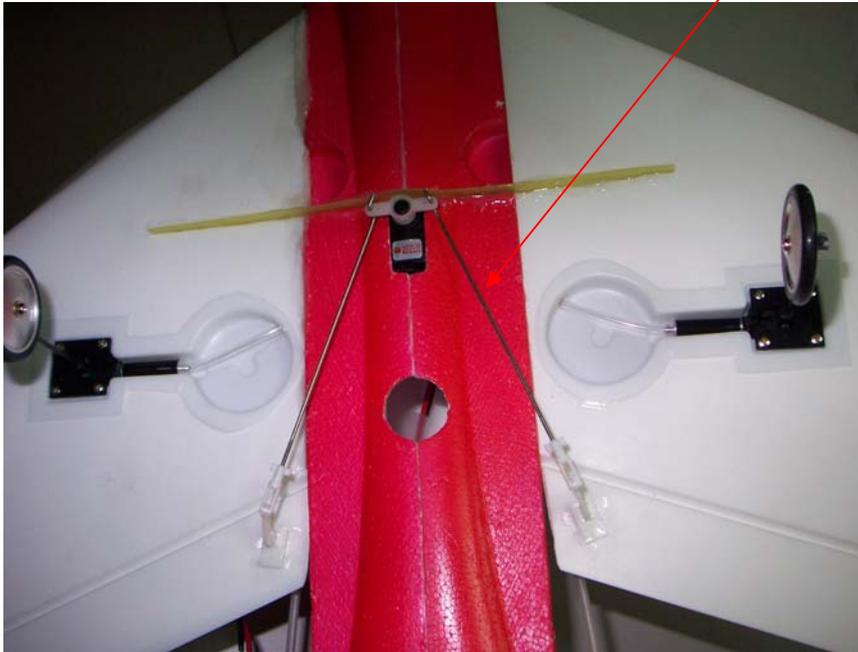
Cut a 18 cm length slot



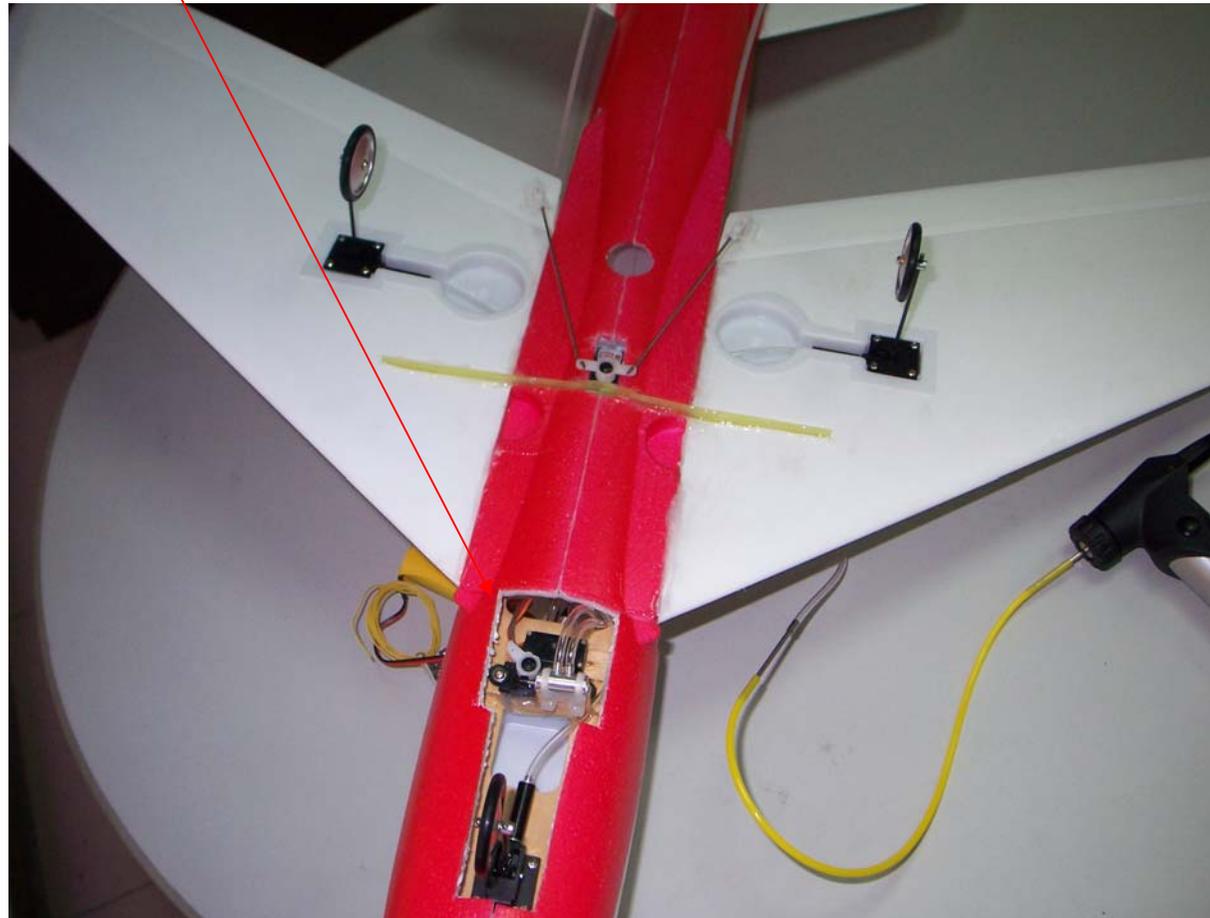
Insert the strengthen fiber plate to this slot



Install the aileron servo rod



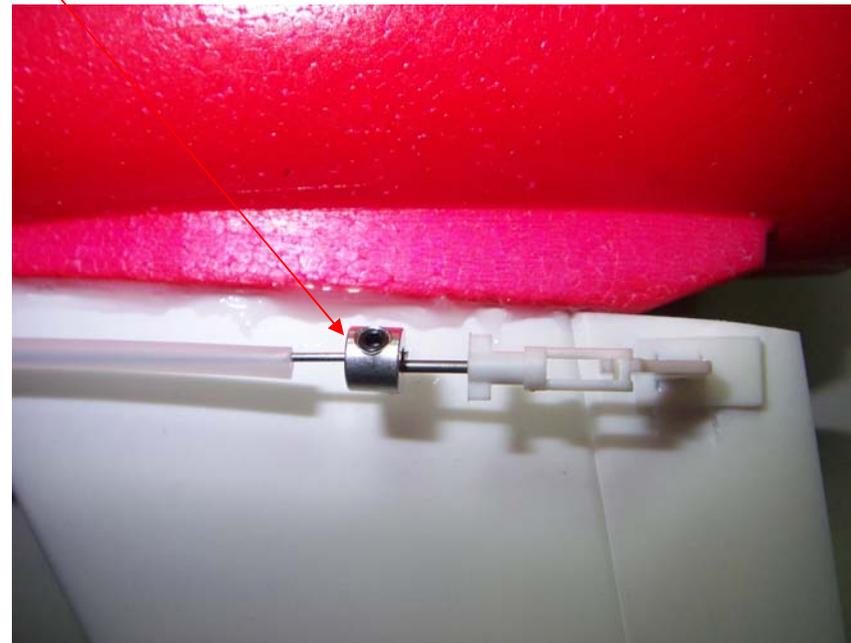
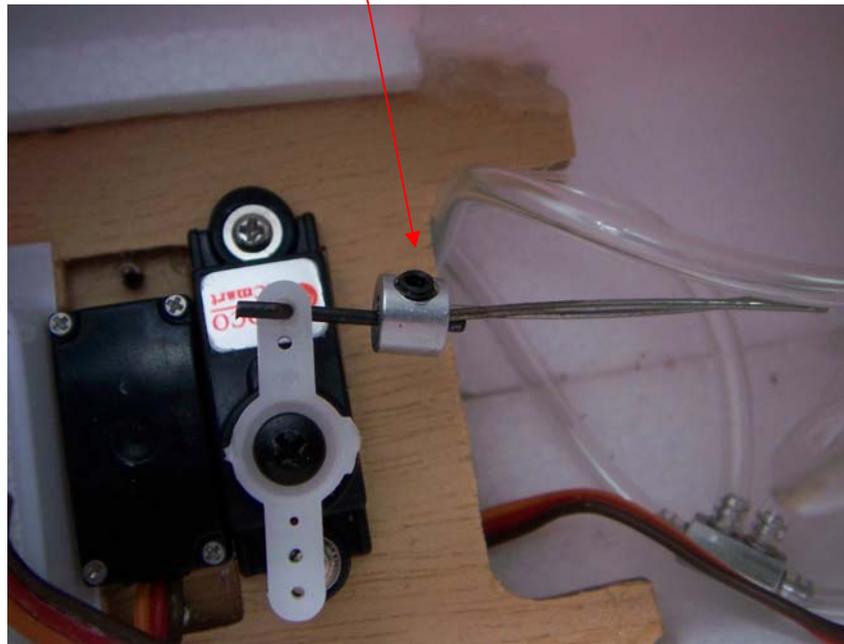
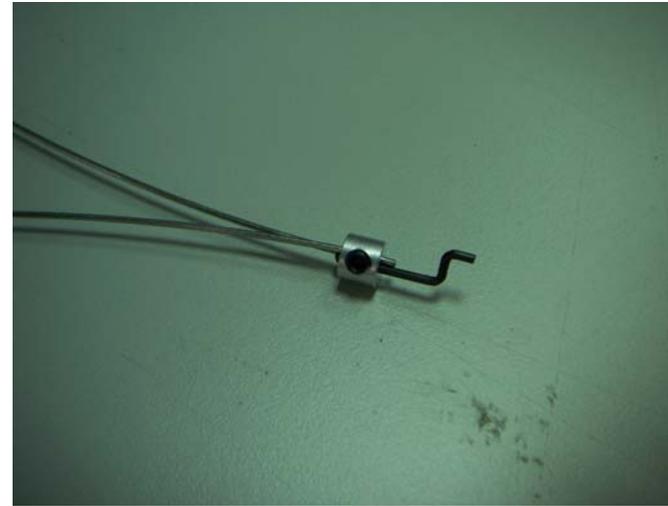
Combine the prow with fuselage



Make the elevator servo rods

Install the elevator servo rods with servo

Connect with the elevator connector

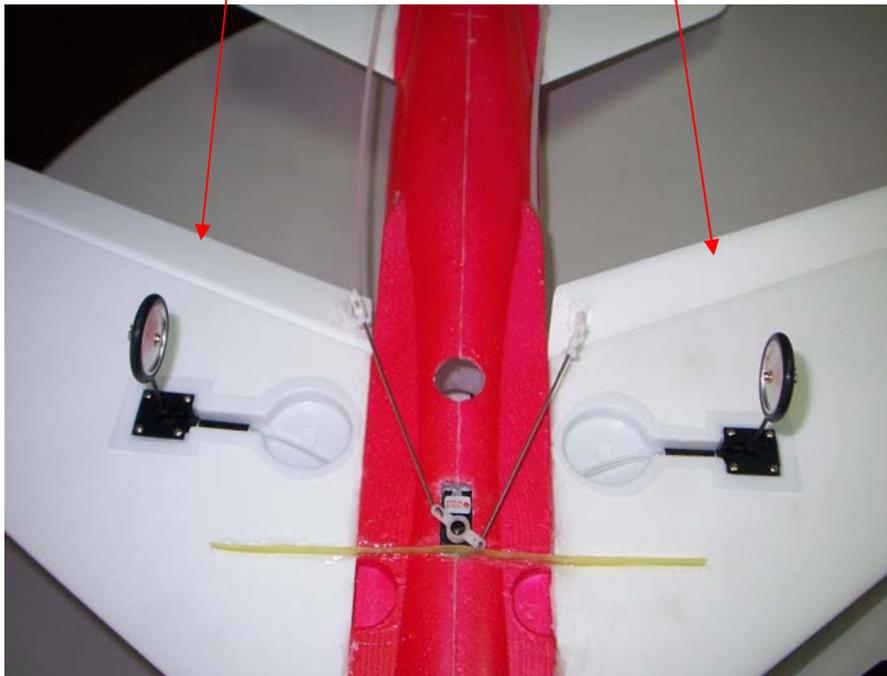


Servo rods control testing

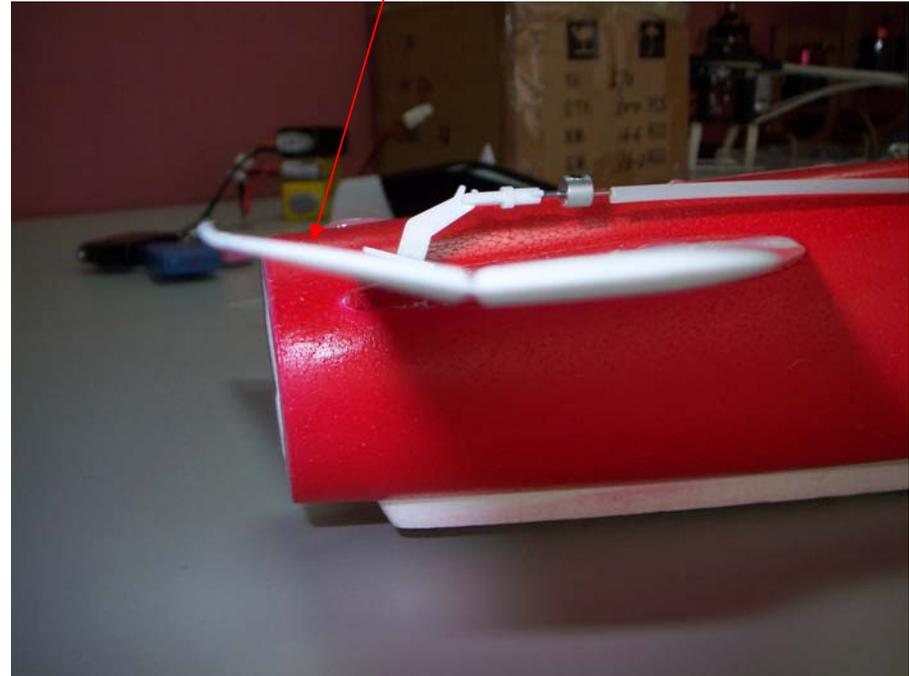
Aileron test

Down move

Up move



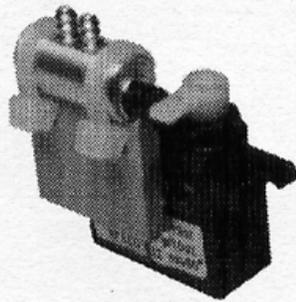
Elevator test



Retract wheels gear system install instruction

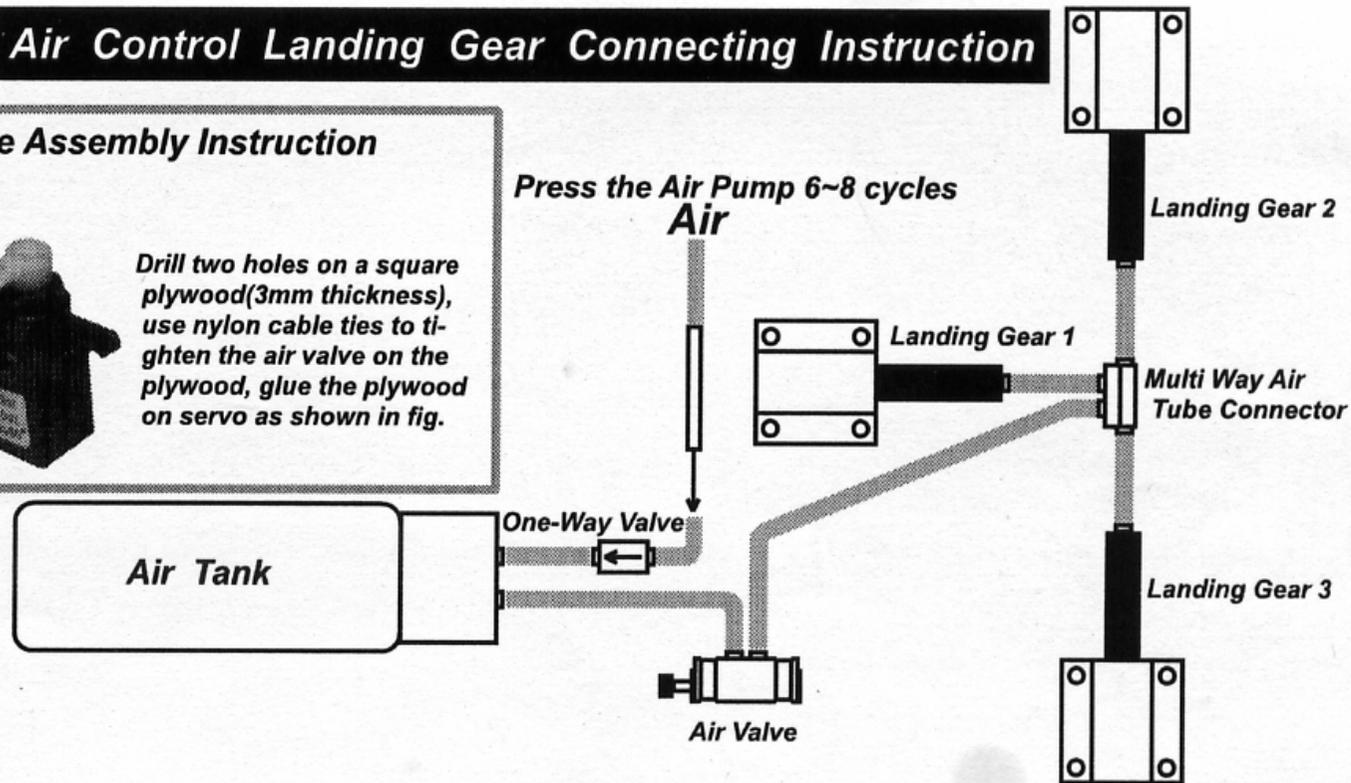
TSHobby Air Control Landing Gear Connecting Instruction

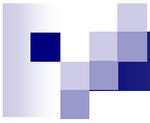
Air Valve Assembly Instruction



Drill two holes on a square plywood(3mm thickness), use nylon cable ties to tighten the air valve on the plywood, glue the plywood on servo as shown in fig.

Press the Air Pump 6~8 cycles
Air



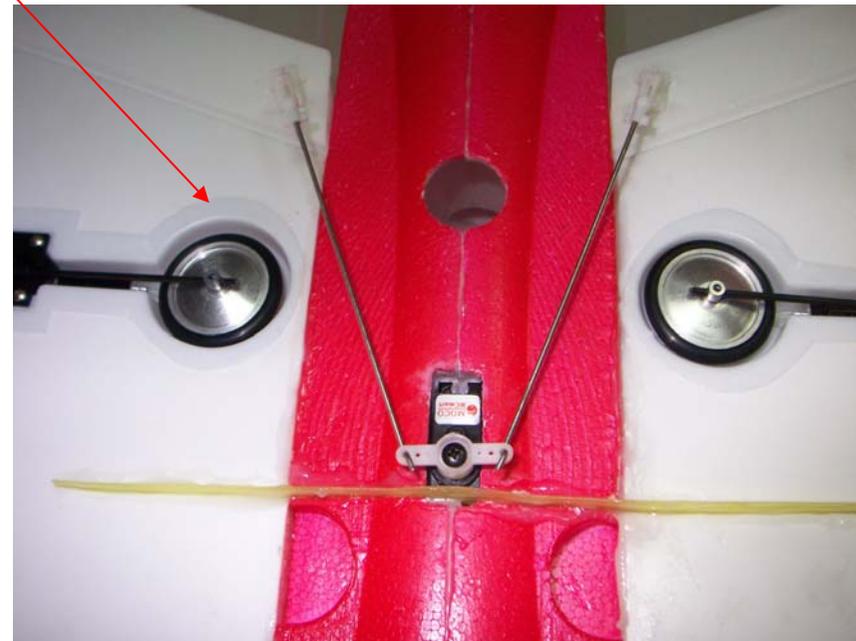
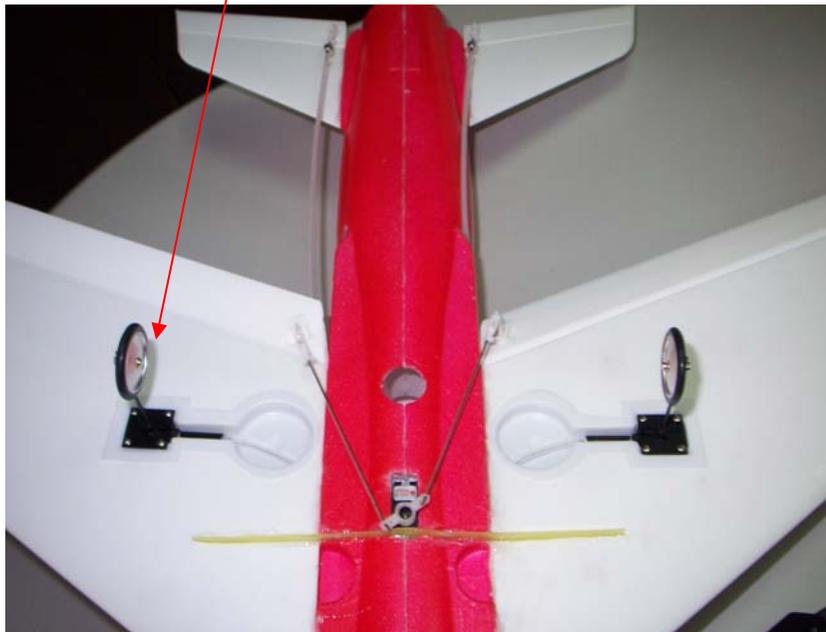
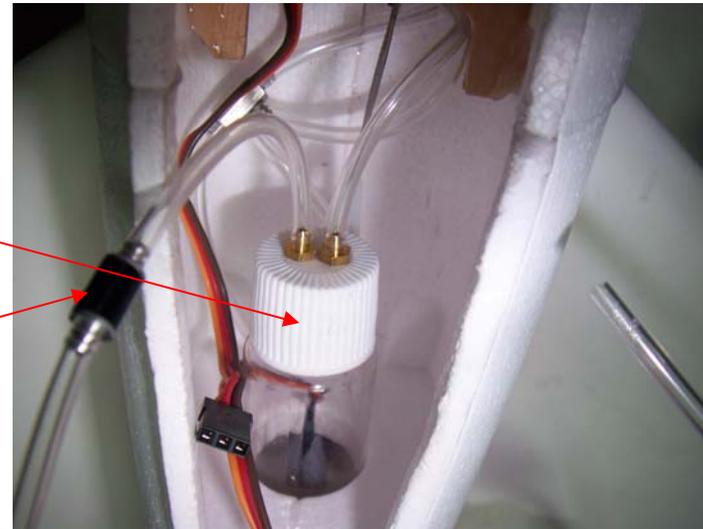


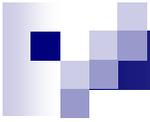
Gas cabinet

Retracting test

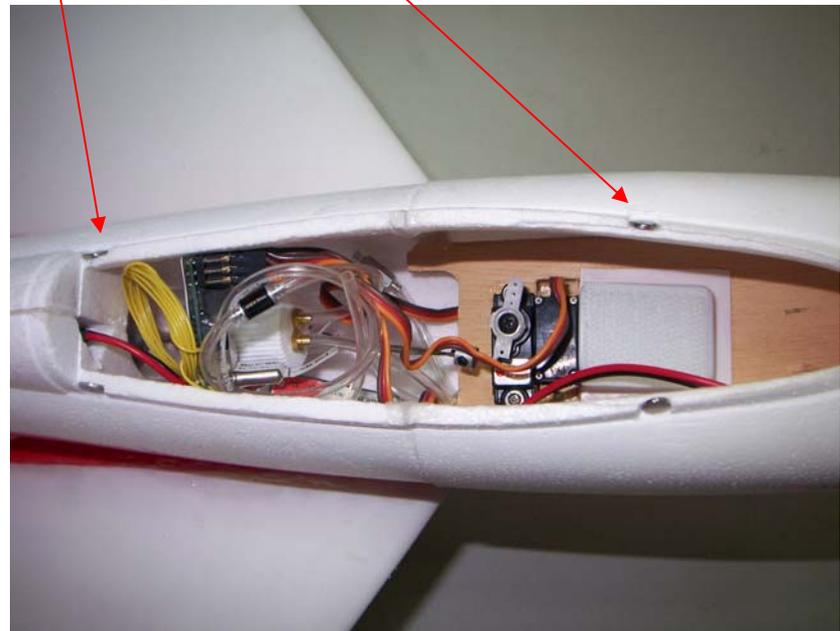
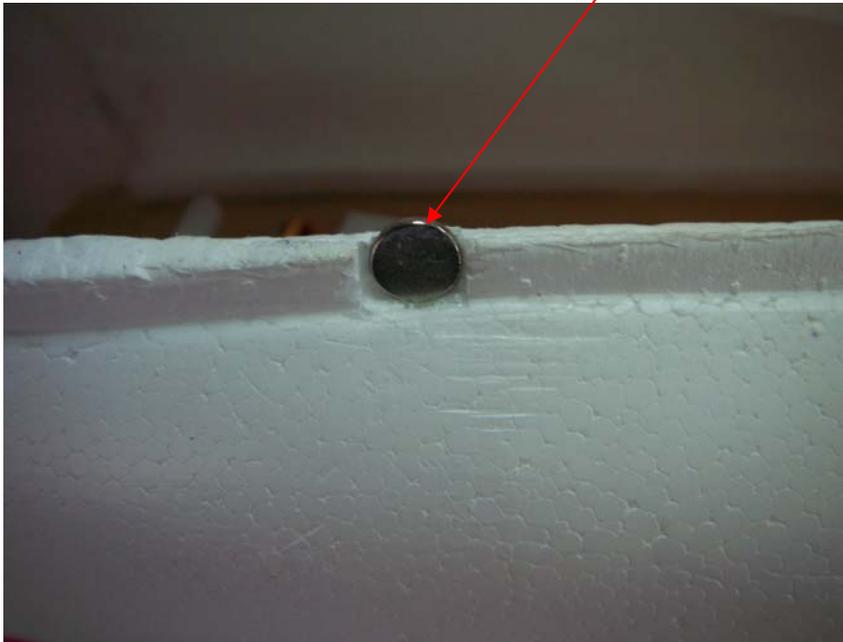
Normal condition

Retracting wheels



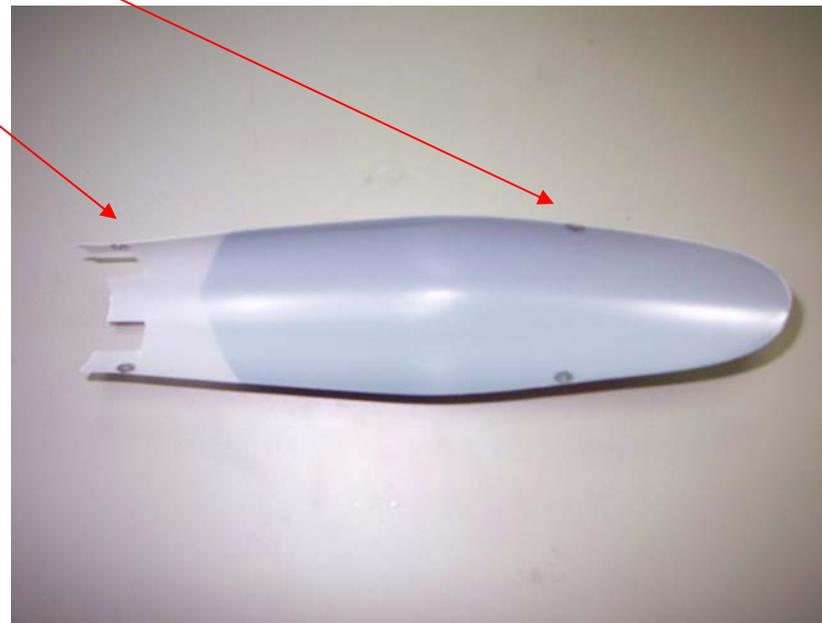
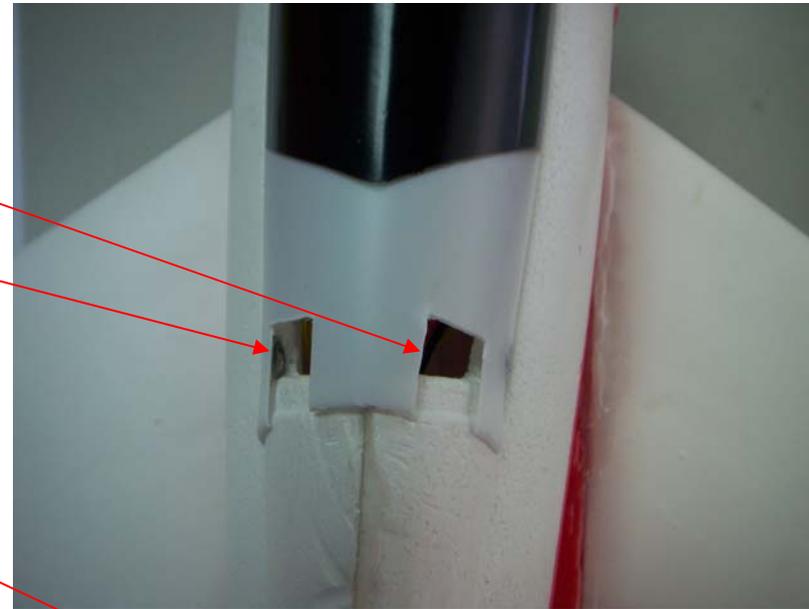


Stick the 4 magnets beside
the pilot cabinet

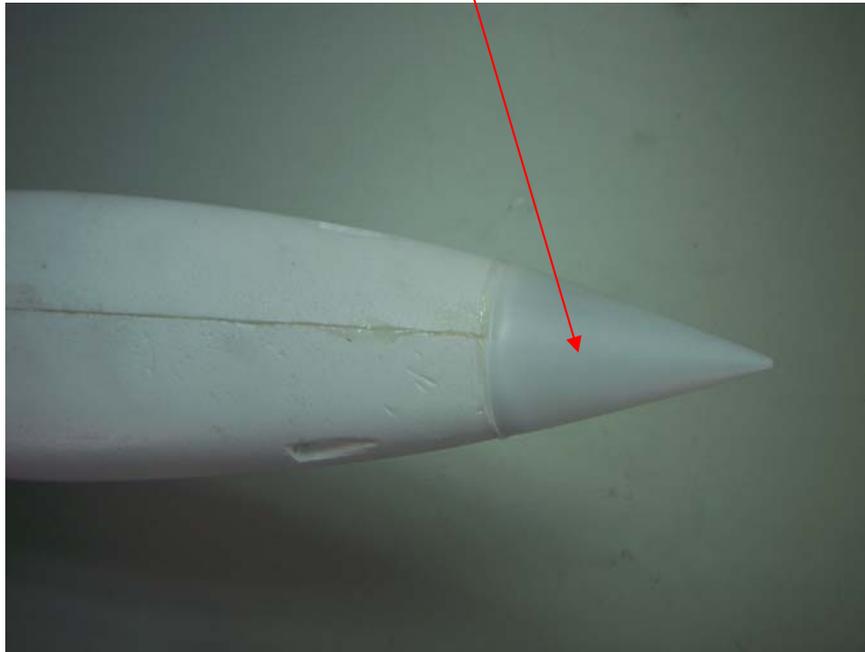


Cut 2 spaces on
the cabinet cover
for disperse heat

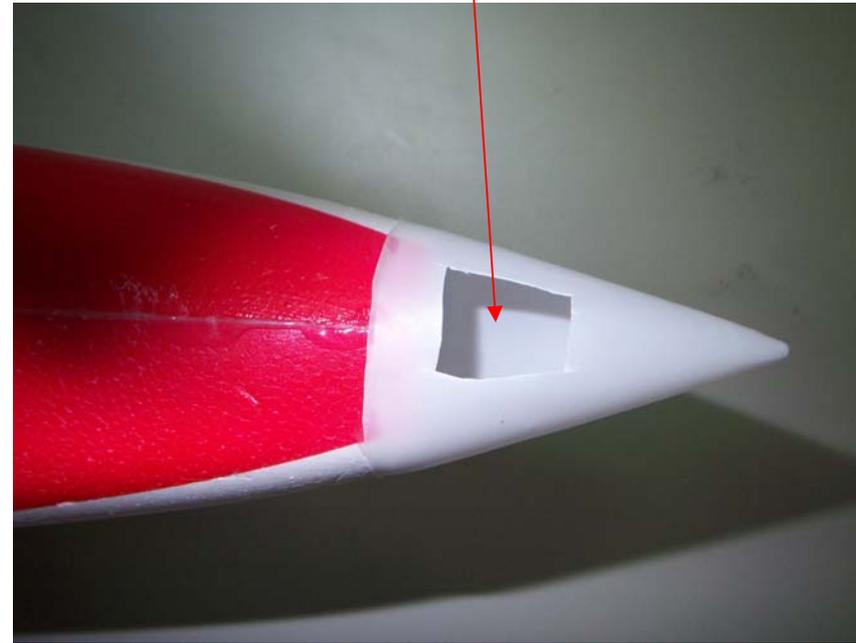
Stick 4 washers on the
inside part of cabinet cover



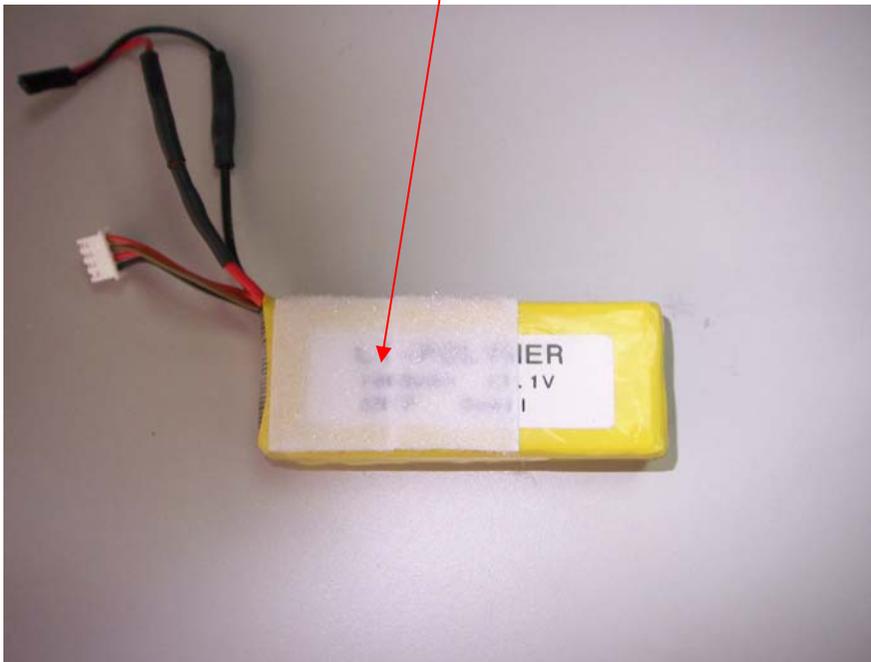
Stick the nose with prow



Cut a space under the nose for disperse heat

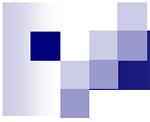


Put a sticker tape on battery



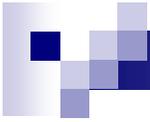
Put the battery, receiver, and ESC into the cabinet





4. Patterning your Tiger Shark







THE END !

Hope you have a good flying !

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