

Beagle B121



No. 8618

SPECIFICATIONS

WING SPAN: 1598mm

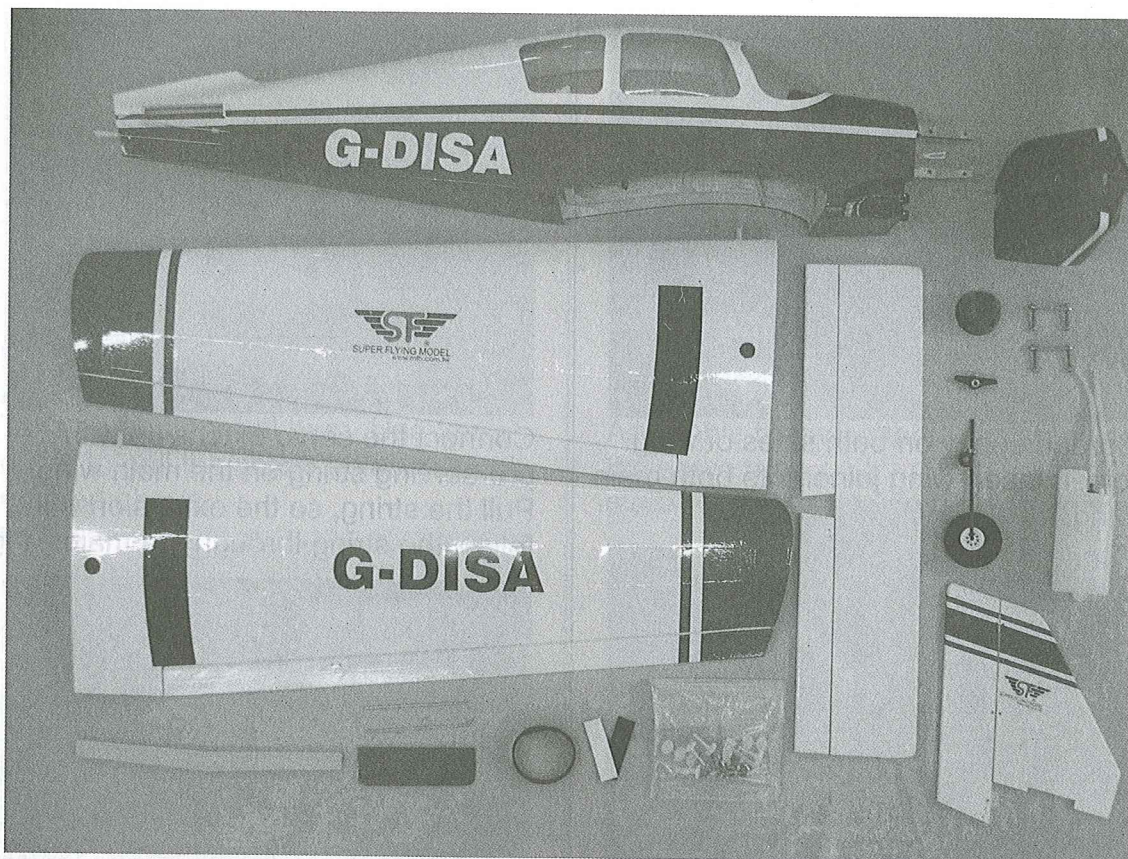
LENGTH: 1164mm

WING AREA: 37dm²

WEIGHT: 2300g

RADIO: 4CH

INSTRUCTION MANUAL



The whole accessories including in this kit.

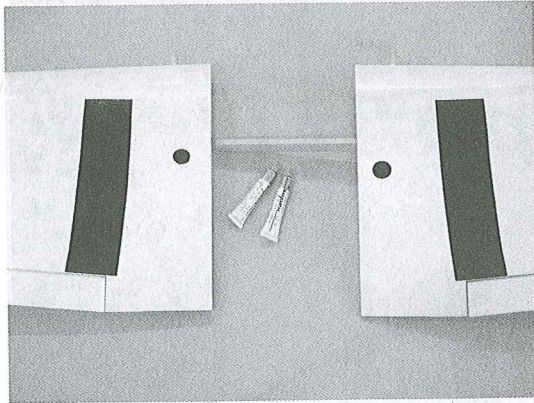
Recommended radio and electronic equipment (Not included in kit):

Accessories:

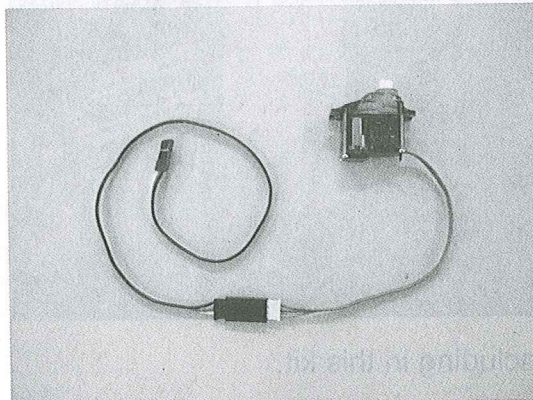
- 11 x 7 propeller x 1 pc
- 46-50 engine x 1 set
- 45g servo x 3 pcs
- 13g servo x 2 pcs
- Extension cable 300mm x 2 pcs
- Y-Harness x 1 pc
- Switch x 1
- 4.8V Ni-Mh battery x 1 pc
- 4ch Radio (receiver) x 1 pc

Tools and suppliers needed (not included in kit)

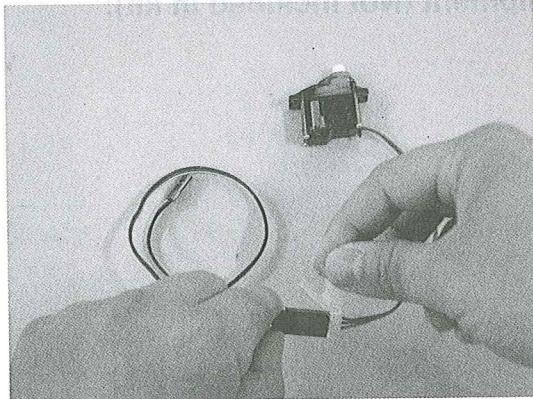
- | | |
|-----------------------|--------------|
| Side Cutter | Hobby Knife |
| Phillips Screw driver | Marker |
| 1.5mm Hex wrench | tap Z-bender |
| Cross wrench | Epoxy |
| Hobby scissors | Instant glue |



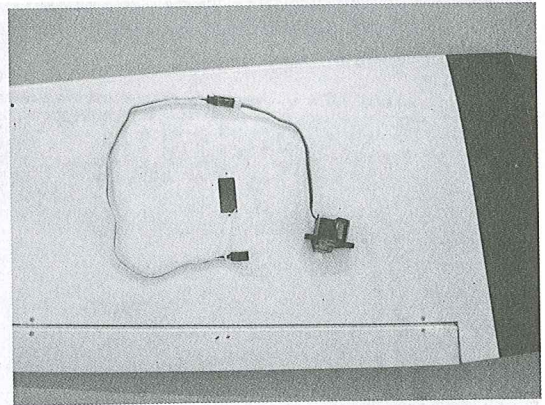
Spread epoxy on both sides of wing joiner. Insert wing joiner into both main wing.



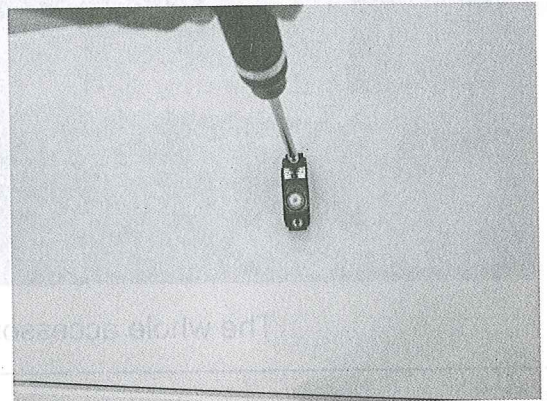
Connect servo with extension cable.



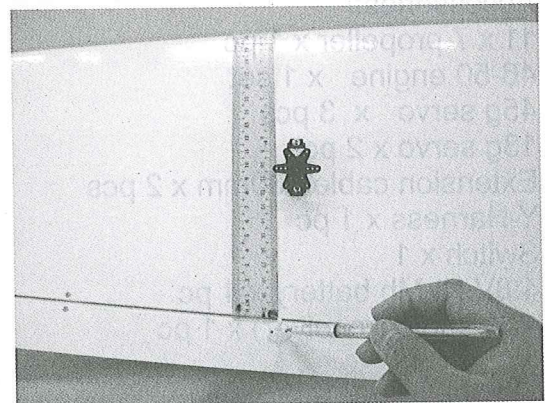
Apply tape on the servo and extension-connecting place for avoiding losing off during flight.



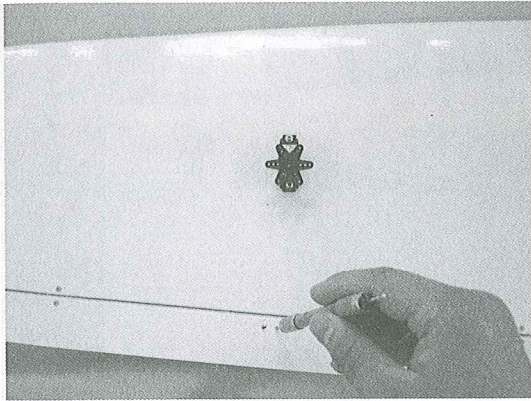
Connect the servo extension with pre-servicing string on the main wing. Pull the string, so the extension will follow the string through the main wing.



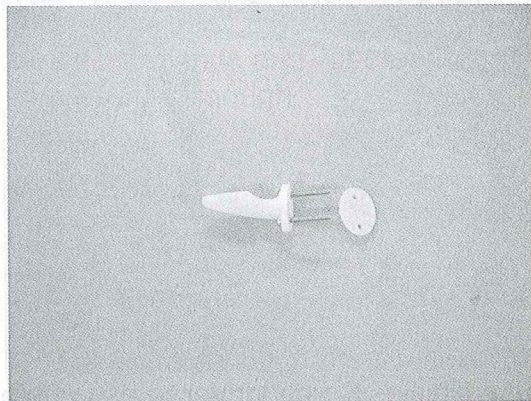
Install servo on the main wing.



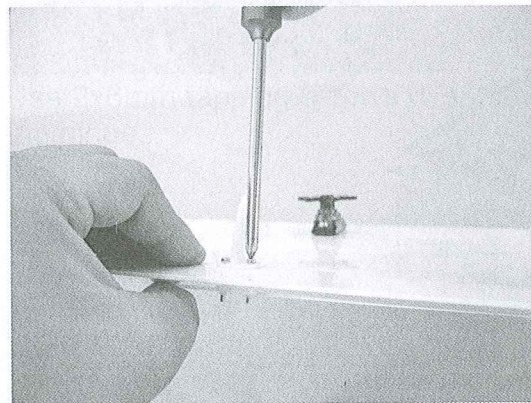
Try to locate the control horn on the aileron. Please note the control horn must straight to the servo arm. Use pencil to mark the screw holes on the control horn.



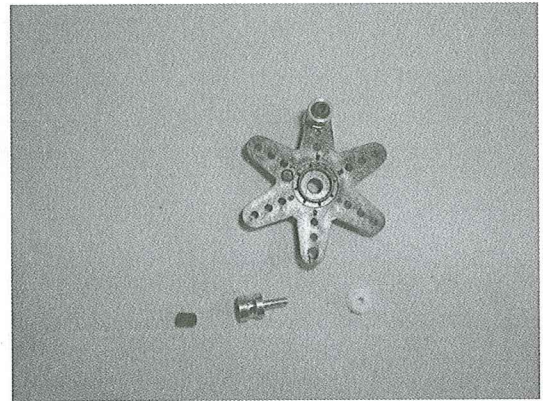
Take out the control horn. Use 2mm driller to drill the screw holes that are marked above.



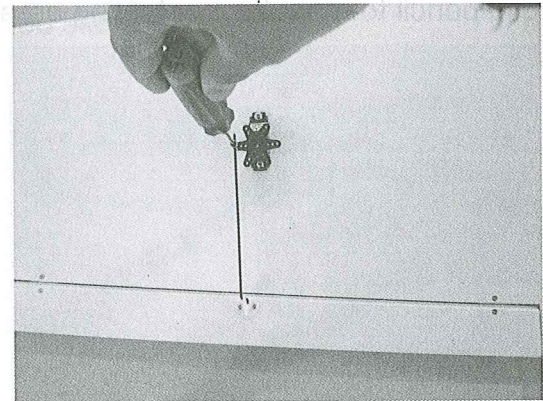
The assembling of control horn set.



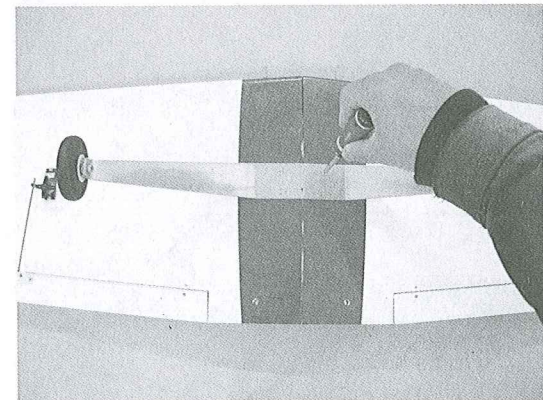
Assemble the control horn set on the aileron.



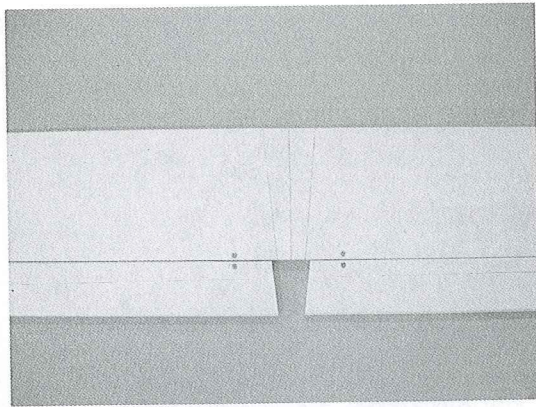
Assemble the adjustable rod stand on the servo arm.



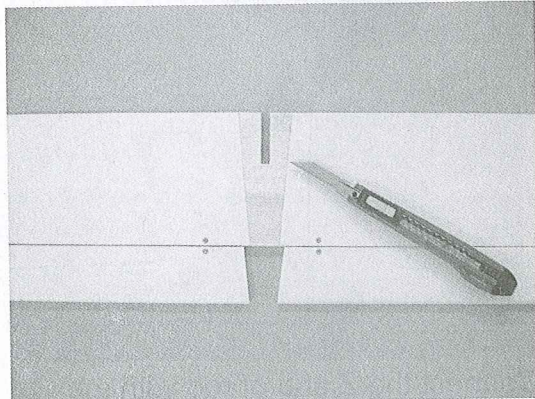
Connect the Z end of rod with the control horn. Insert the other end through the adjustable rod stand.



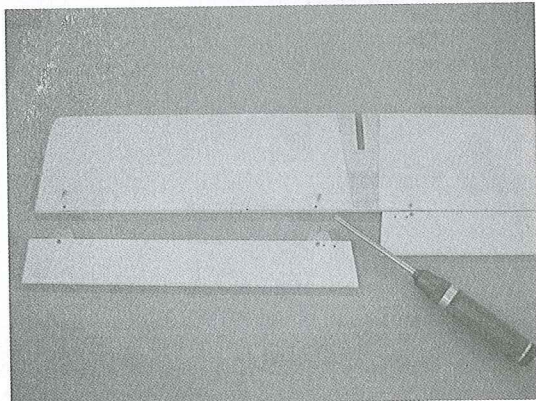
Use 3x10mm tapping screws to secure the main gear on the bottom of main wing.



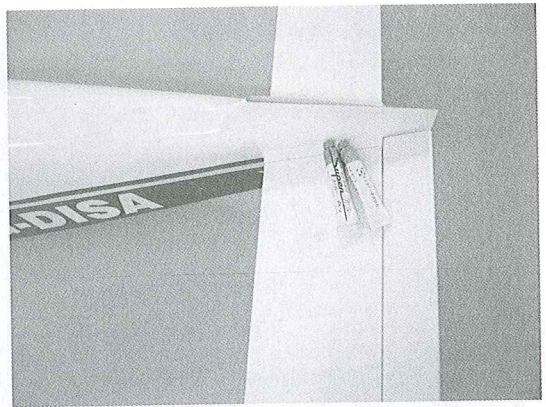
Try to locate the horizontal on the fuselage. When satisfy the location, use pencil to mark the contacting area.



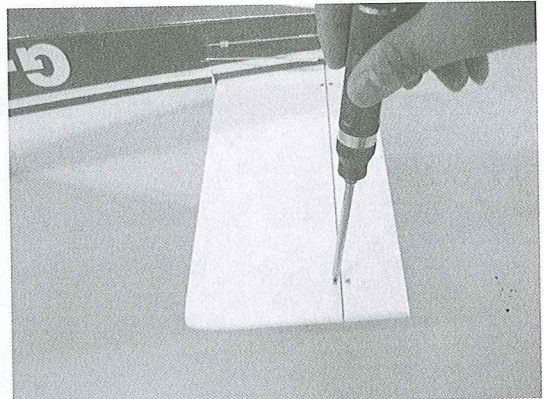
Use hobby knife to cut off the covering inside the marking area.



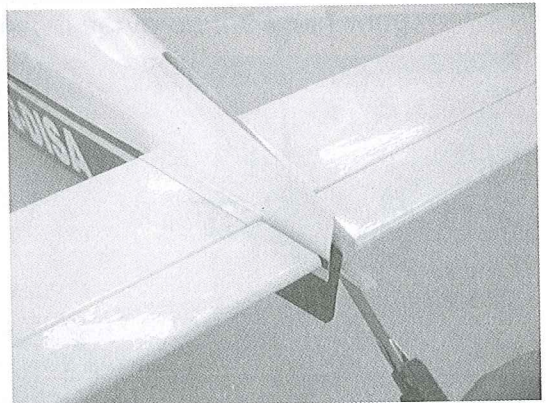
Use Phillips Screw driver to remove one side of the elevator.



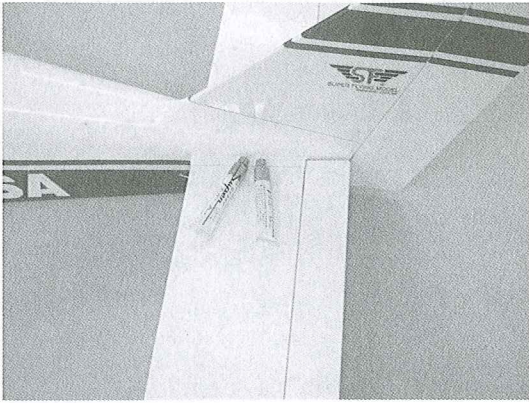
Spread epoxy on the cutting area and insert the horizontal into tail of fuselage.



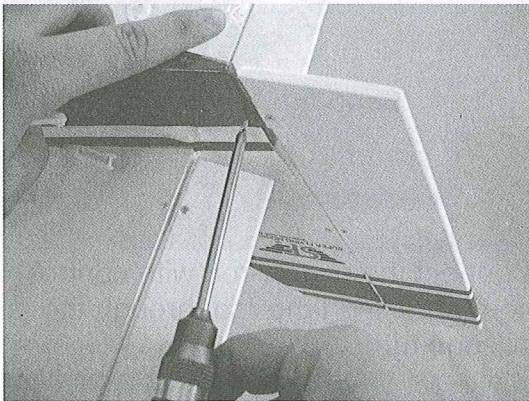
Use Phillips Screw driver to assemble the elevator.



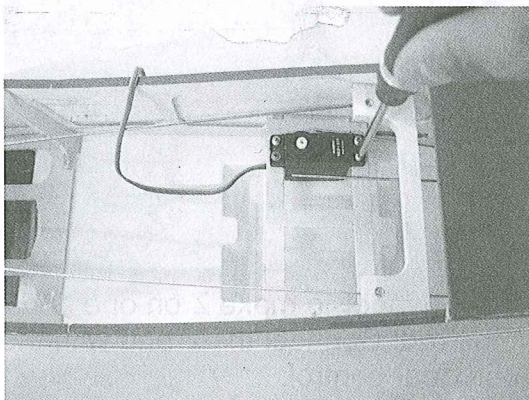
Use hobby knife to open a hole for the hinge.



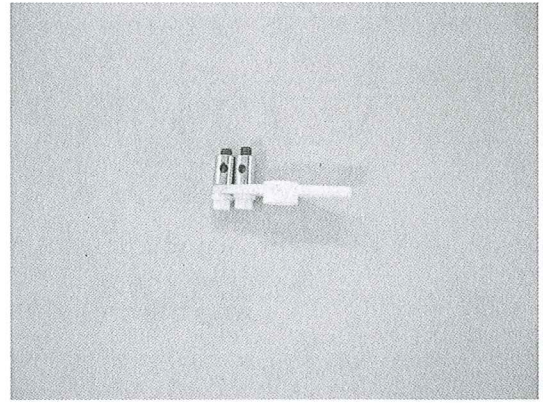
Use epoxy to fix the vertical on the tail of fuselage. Please note that the vertical must be perpendicular to the horizontal. Apply tape on the connecting place and wait for the epoxy to dry enough.



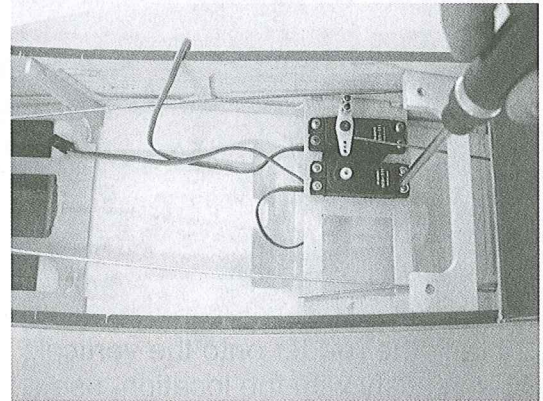
Use 2x6mm tapping screws to secure the hinge.



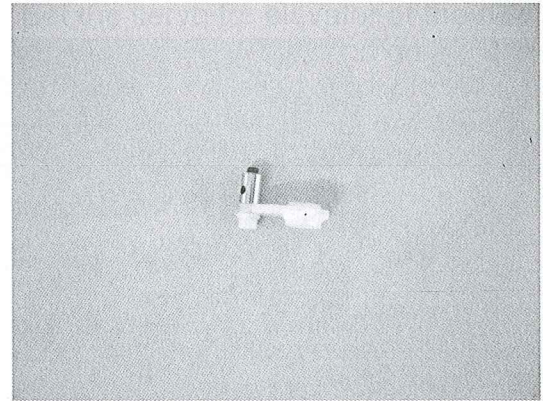
Install servo for the rudder.



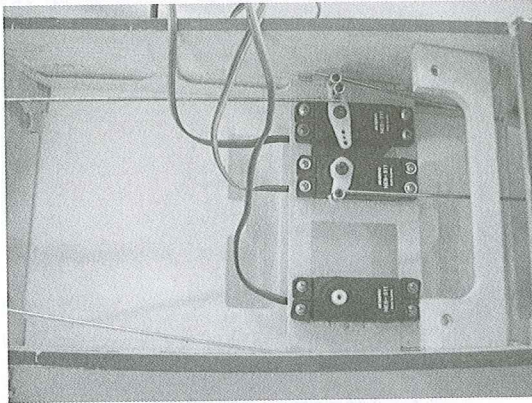
Please note the servo for the rudder must be assembled with 2 pieces of rod stands.



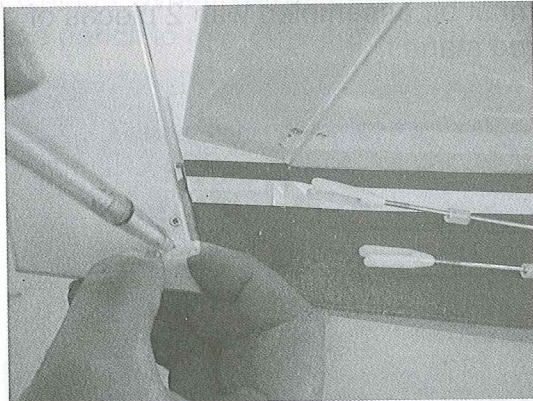
Install servo for the elevator.



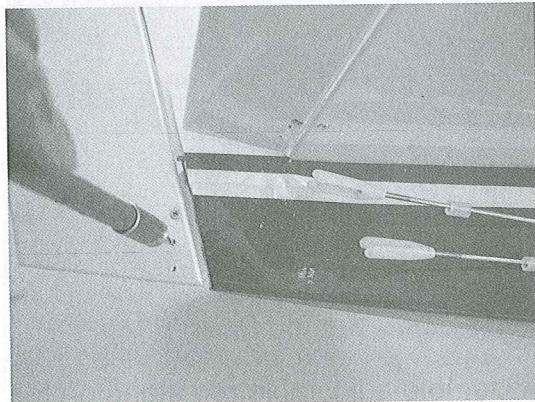
Assemble adjustable rod stand on the servo arm.



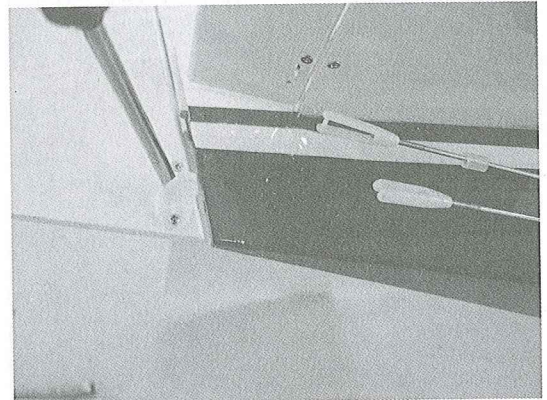
Install servo for the throttle.



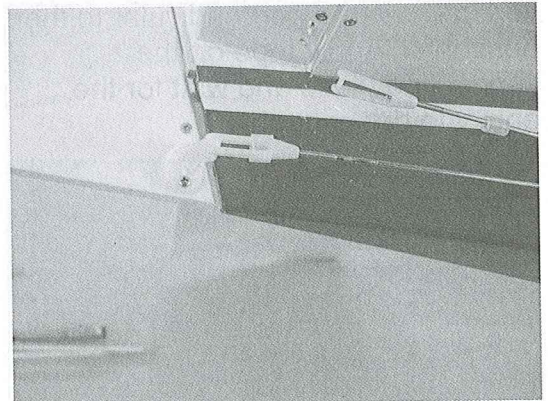
Try to fit the rudder onto the vertical. When satisfied with the location, use pencil to mark the spot for the control horn.



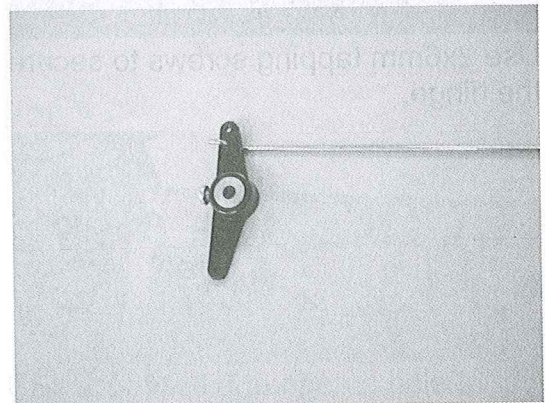
Use 2mm drill to open the hole on the marking spot.



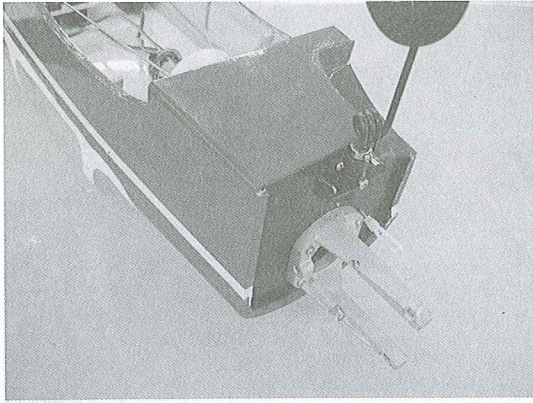
Use screw to secure the control horn on the rudder.



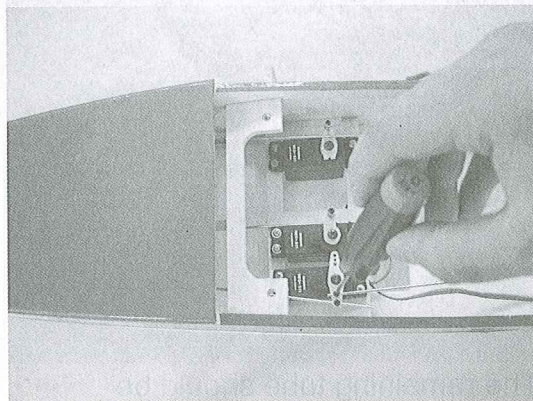
Connect the rudder-rod with control horn and insert the rod through the silicone tube.



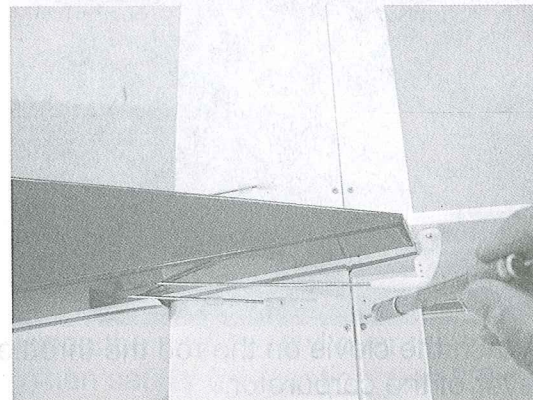
Use Z bender to make Z on one end of the rod. Connect the Z end with the nose gear control.



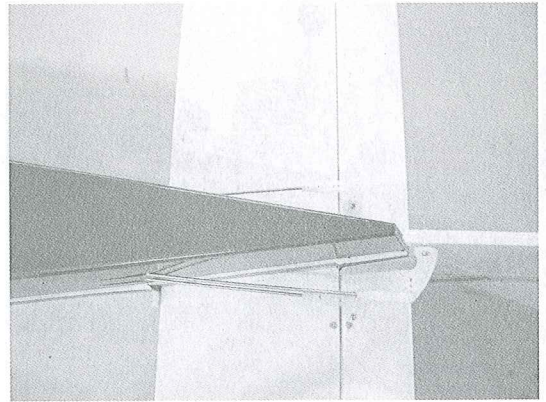
Insert the collar to the nose gear set and use Phillips Screw driver to secure the collar. Secure the nose gear set into the fuselage.



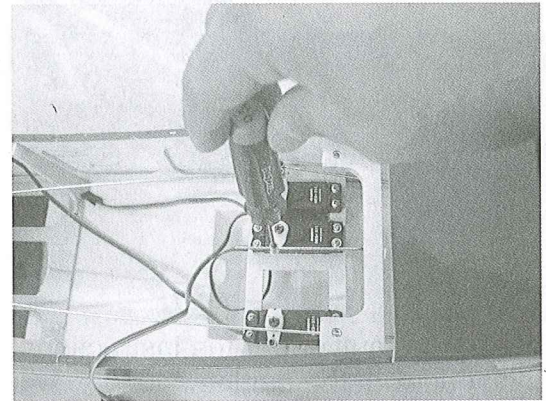
Set the servo for rudder at the neutral position. Connect the rod on the servo arm. If the rod is too long, please use side cutter to cut off the extra length.



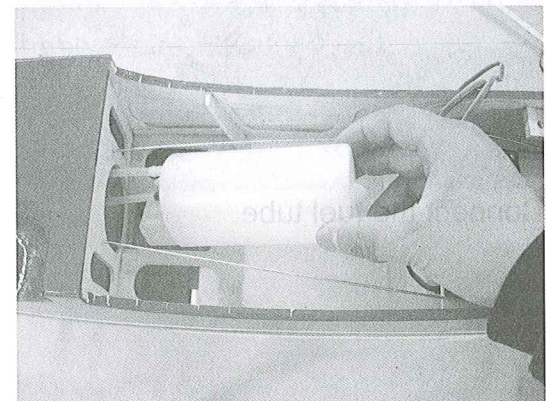
Try to fit the elevator onto the horizontal. When satisfy with the location, use pencil to mark the spot for the control horn. Use 2mm driller to open the hole on the marking spot.



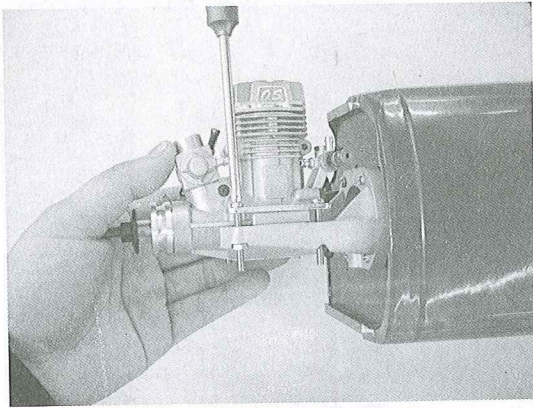
Use screw to secure the control horn on the elevator. Connect with clip and insert through silicone tube for avoiding losing off during flight.



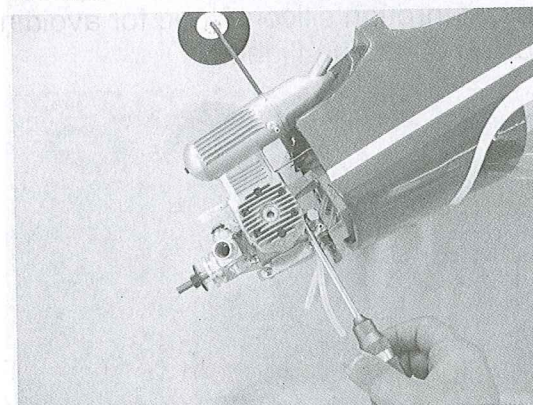
Set the servo for elevator at the neutral position. Connect the rod on the servo arm. If the rod is too long, please use side cutter to cut off the extra length. Please use 1.5mm Hex wrench to fix the rods.



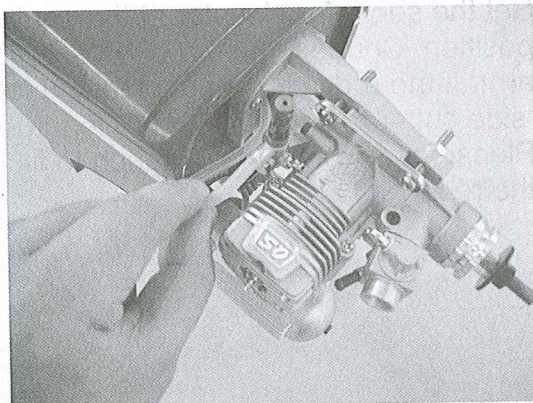
Install the fuel tank.



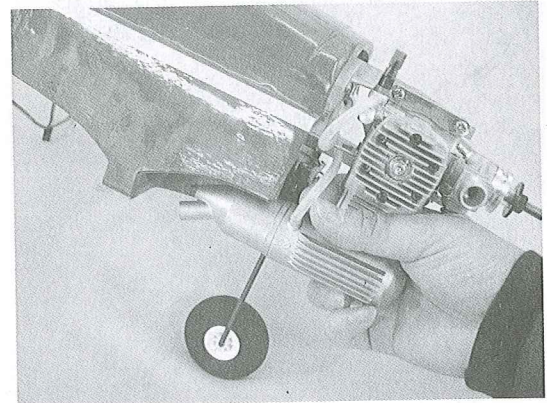
Secure the engine on the engine mount.



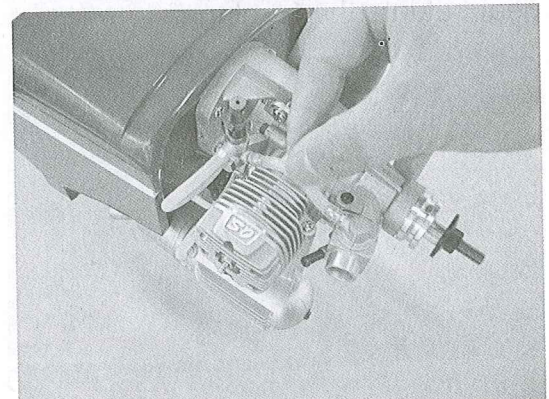
Install the muffler per the instructions included with the engine.



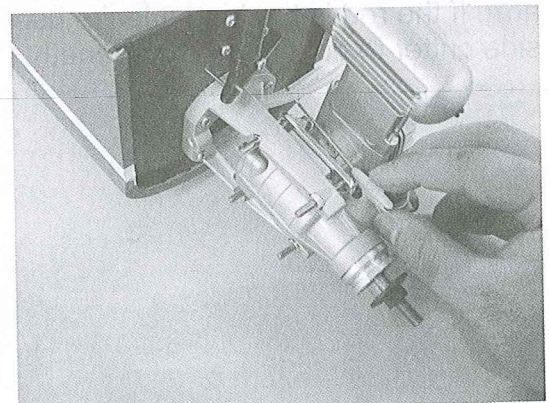
Connect the fuel tube.



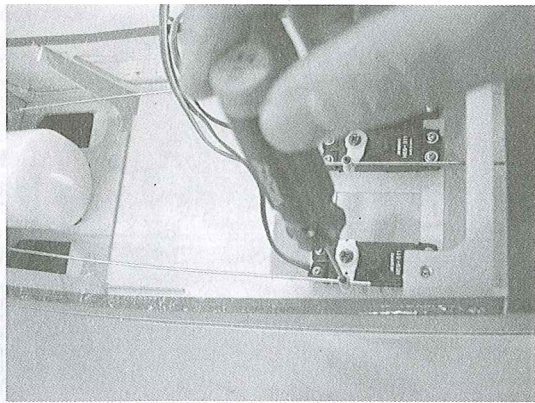
Connect the vent tube from the fuel tank to the pressure fitting, or nipple, on the muffler.



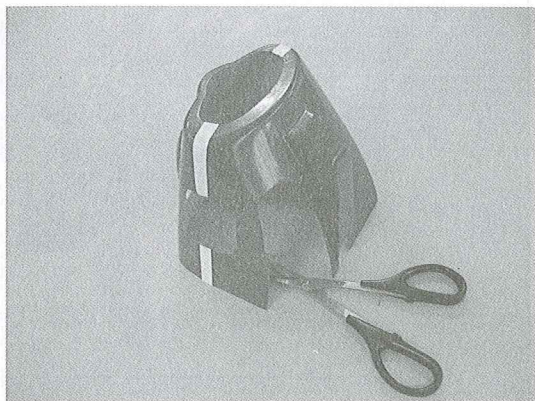
The remaining tube should be attached to the carburetor fuel inlet nipple.



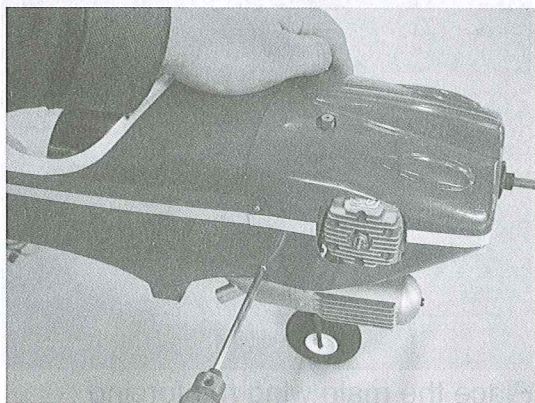
Attach the clevis on the rod the throttle lever of the carburetor.



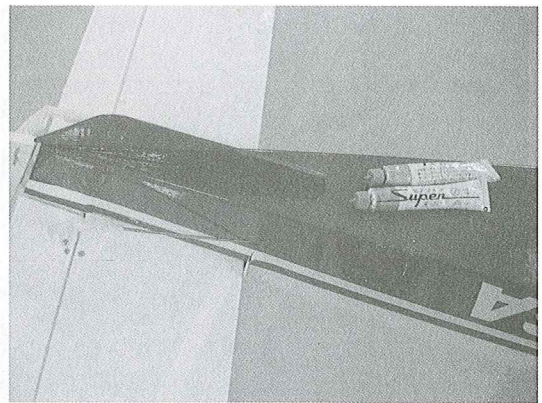
Center the throttle servo. Connect the rod with the throttle servo. If needed, cut off the extra length.



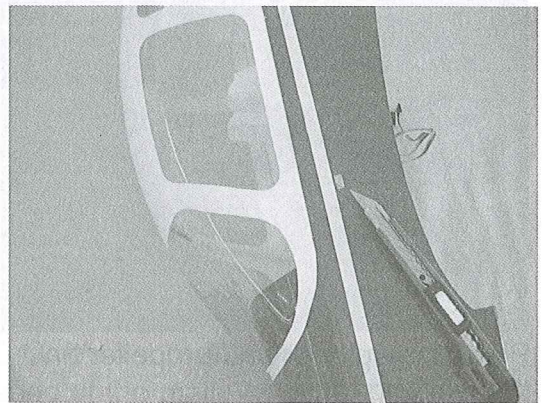
Place the engine cowl on the working table. Use hobby scissors to trim the cowl according to the marking line.



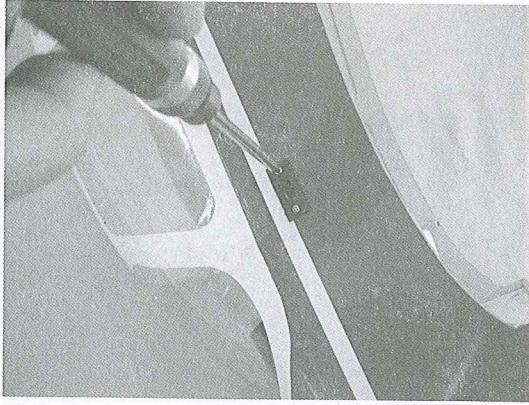
Place the engine cowl over the engine. When satisfy the location, use 2.8mm tapping screws to secure the cowl on the fuselage. Please keep 2mm space between the nose and the engine shaft.



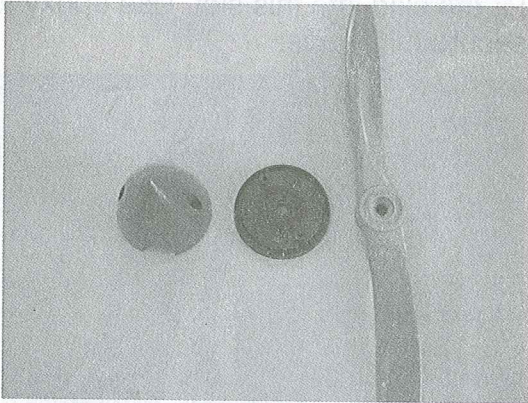
Use hobby knife to cut off the covering over the pre-serving slot on the tail of fuselage. This slot is for skid. Fit the skid into this slot. Use epoxy to secure it in place.



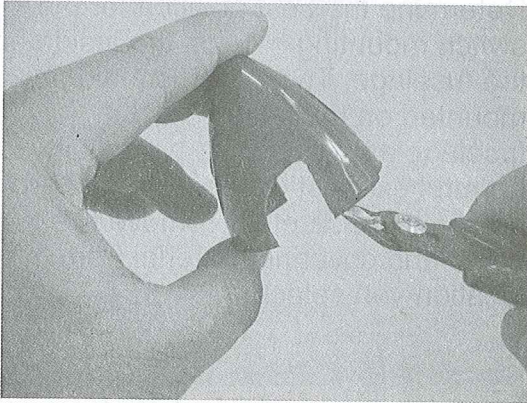
Determine the best position for the switch mounting hole on the inside of the fuselage. The switch should be mounted on the left side of the fuselage away from the potentially harmful exhaust gases. Use a sharp hobby knife, carefully remove the balsa and covering material from the location you selected.



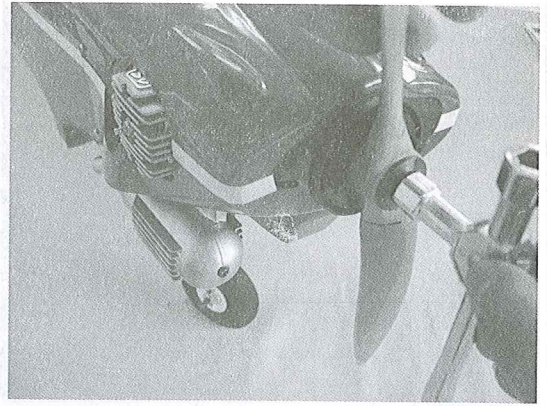
Using the two screws supplied with the switch, attach the switch to the fuselage.



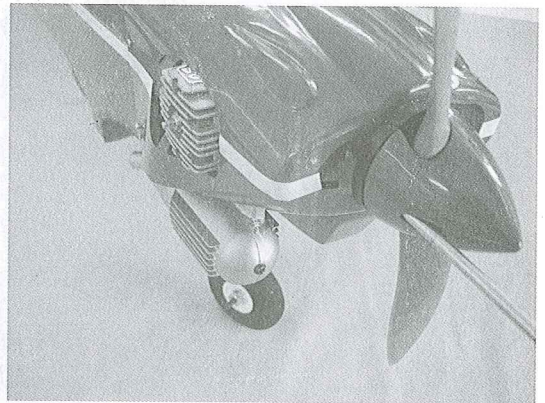
Place the spinner and propeller on the working table.



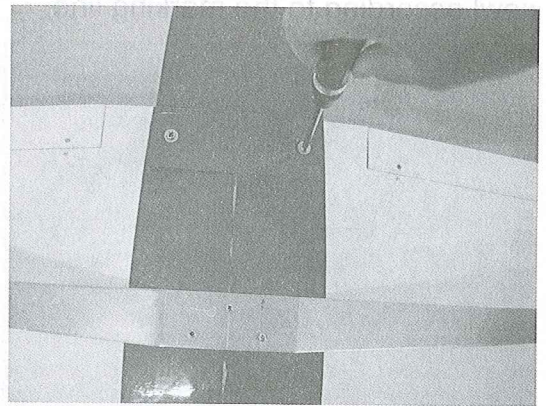
Try to assemble the spinner and propeller. If necessary, use side cutter to trim the spinner for perfectly fitting with the propeller.



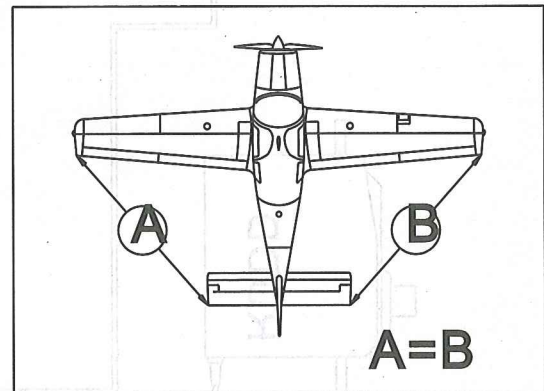
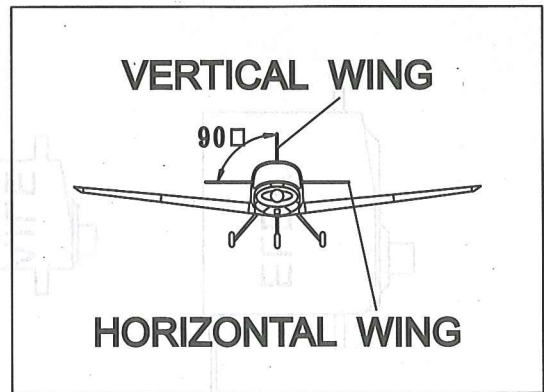
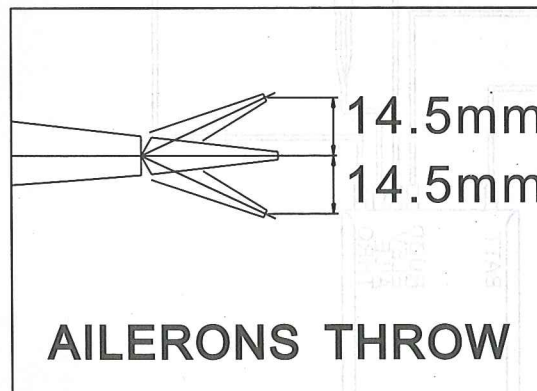
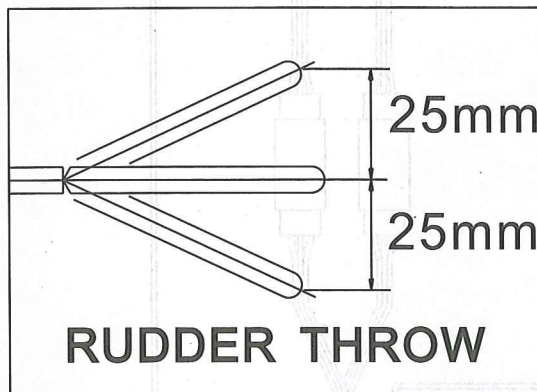
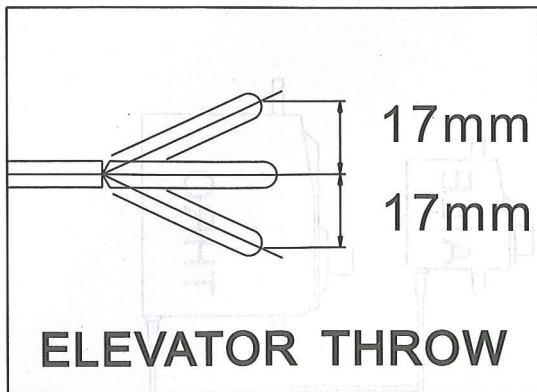
Assemble the spinner mount and propeller on the engine. Use cross wrench to secure them in place.



Secure the spinner in place with the screws supplied.



Place the main wing reinforcing planking and the screws and plates supplied on the working table. Place the reinforcing planking on the preserving holes and secure it in place use the screws supplied.



C.G.: It's about 97mm from the leading edge of the main wing.

