

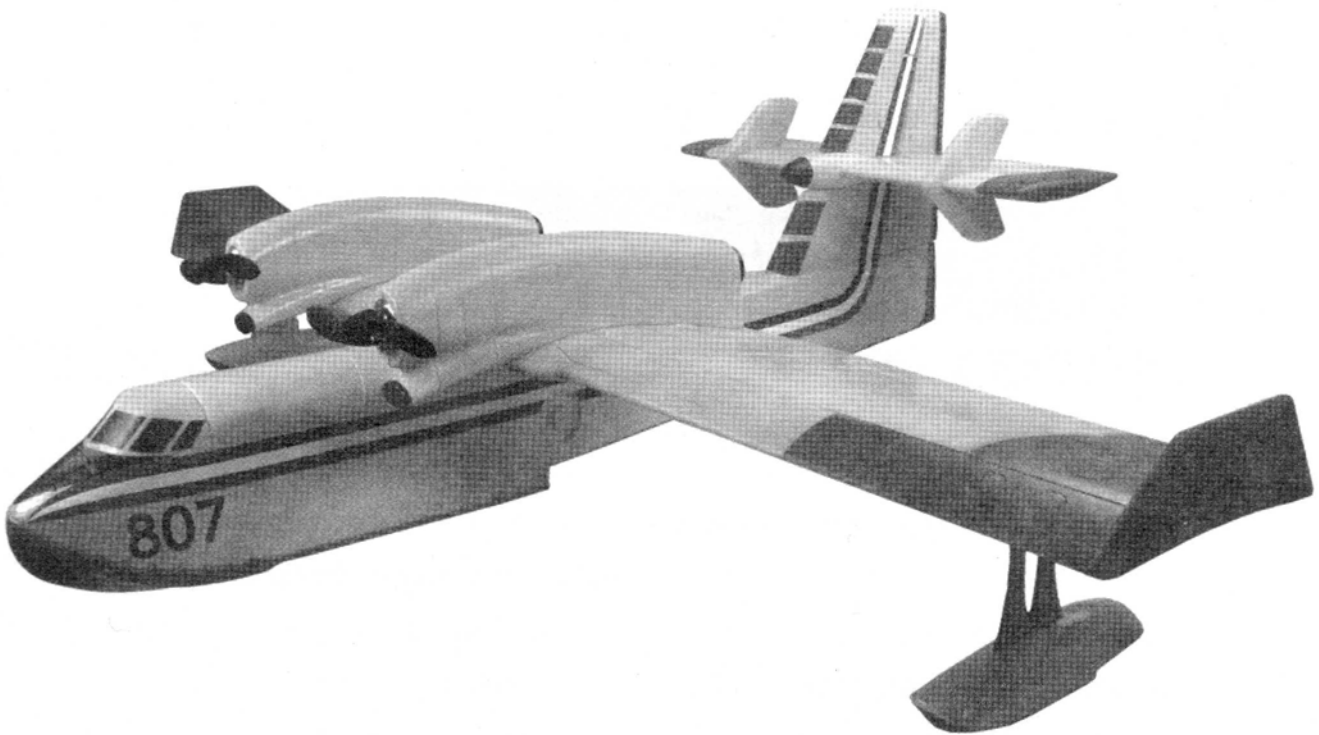


**RADIO CONTROLLED
FIGHTING AIRPLANE**

ITEM NO.: 807

CANADAIR CL-415

ASSEMBLY AND OPERATION INSTRUCTIONS



Due to continuing improvements, actual product may differ slightly from the product described herein

No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of GUAN LI MODEL.

Thank you for choosing a GUAN LI product.. It is important that you read the entire manual to become familiar with the unit before you begin assembly. Save the receipt, warranty and these instructions.

SPECIFICATIONS

WINGSPAN	:1390MM(54.7inches)
LENGTH	:730MM(28.7inches)
WEIGHT	:710G
BATTERY	:11.1V-2200mAh Battery
POWER SYSTEM:	Twin 2410 Brushless Motor,8035 Propeller
RC SYSTEM	:4 Channel RC System,4pcs 9g Servos, 2pcs 20A Brushless ESC

SAFETY WARNINGS AND PRECAUTIONS

Reduce the risk of personal injury and damage to equipment.

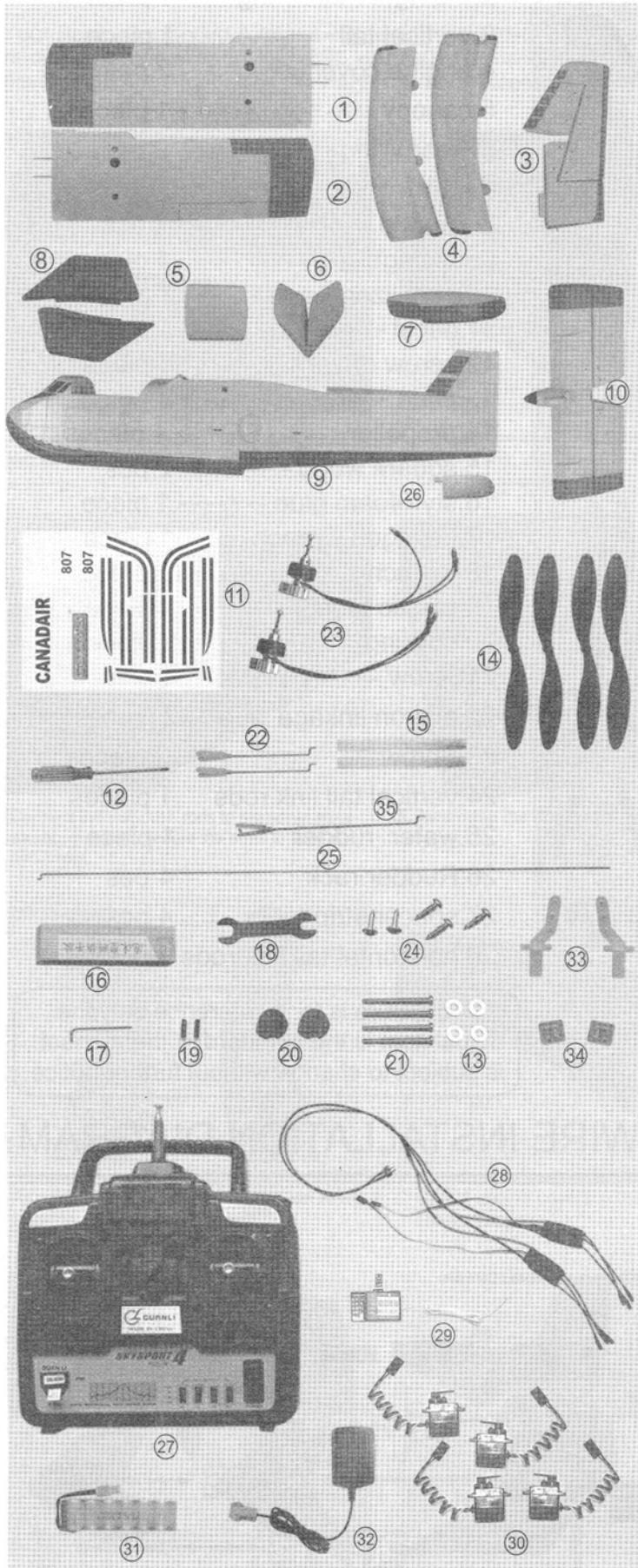


Supervision is highly recommended when 14 year old (or under) children are flying the model.

1. Keep work area clean. Cluttered areas in vite injuries.
2. Observe work area conditions. Keep work area well lit. Keep work area uncluttered and free of debris. Cluttered areas in vite injury.
3. Check for damaged parts. Before using any product, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for any broken or damaged parts and any other conditions that may affect its operation. Rplace or repair damaged or worn parts immediately.
4. Replacement parts and accessories. When servicing, use only identical replacement parts. Use of any other parts will void the warranty.
5. Always check hardware and assembled parts after assembling. All connections should be tight and hardware tightened.
6. Do not let children use the airplane without adult supervision. Failure to do so could result in personal injury and/or property damage.

7. Use eye protection. Always wear impact safety goggles when assembling this product.
8. Maintain products with care. Keep the Airplane in a dry location. Do not expose it to prolonged moisture.
9. Store idle equipment. When not in use always lock up the Airplane.
10. Dress properly. Wear restrictive hair covering to contain long hair.
11. Use the right Airplane for the job. Do not attempt to force a small Airplane to do the work of a larger Airplane. There are certain applications for which this Airplane was designed. Do not modify this Airplane and do not use this Airplane for a purpose for which it was not intended.
12. Do not use or assemble the Airplane if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgement or reflexes are impaired while taking drugs. If there is any doubt, do not assemble or use the Airplane.
13. Do not pick up the Airplane while it is in motion.
14. Use only batteries of the type recommended and do not mix old and new batteries.
15. Do not incinerate batteries. Batteries may burst, causing personal injury and/or property damage.
16. Remove batteries if the Airplane is not used for a long period of time.
17. Do not recharge non-rechargeable batteries.
18. Make certain to use the Airplane in a large area free from interference from trees, electrical power lines and other obstacles.
19. Airplane and Charger should always be used with adult supervision.
20. Never fly near buildings, cars or busy streets and do not fly at or near people or animals.
21. Do not fly the Airplane in strong wind.
22. Do not allow children to use glue without adult supervision. Make certain that all glue is stored out of reach of children and animals.
23. If two airplanes with the same frequency are used (both with the same numbers on the transmitter and/or receiver) they must be at least 800m away from one another.
24. Do not trim the Airplane's antenna. Trimming the antenna will affect radio range.
25. People with pacemakers should consult their physician(s) before using this product. Electromagnetic fields in close proximity to a heart pacemaker could cause interference to/or failure of the pacemaker.
26. Warning: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

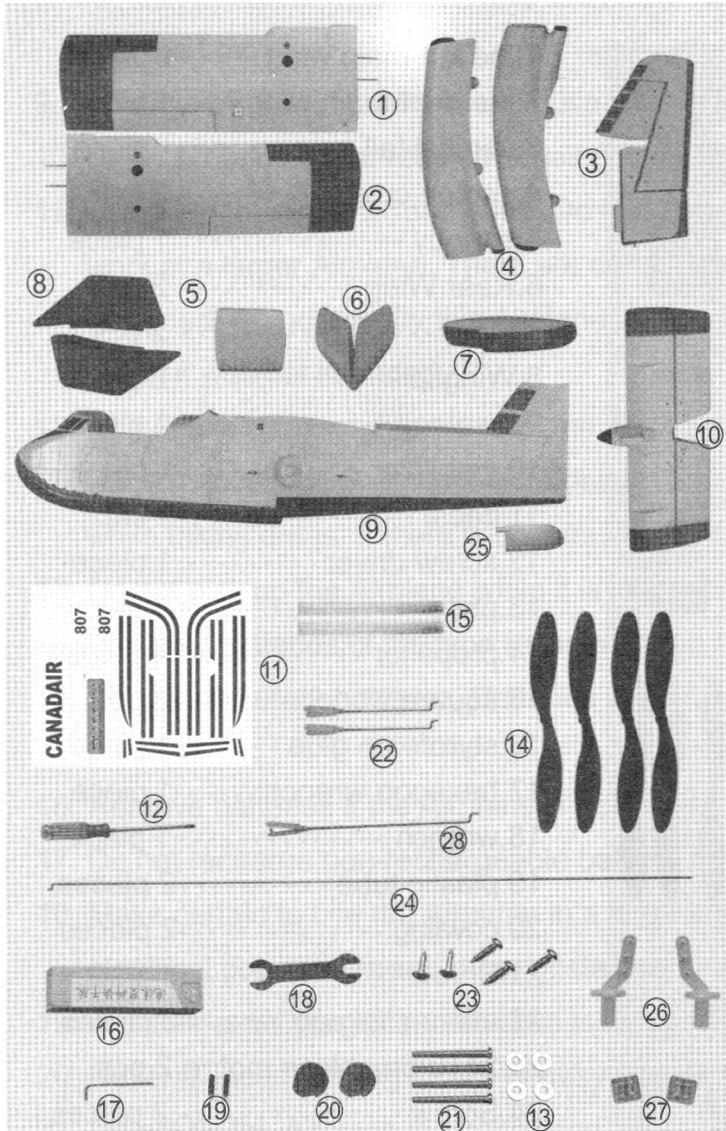
PARTS LIST FOR RTF



- 1.the left main wing -----1 piece
- 2.the right main wing -----1 piece
- 3.vertical tail -----1 piece
- 4.engine cover ----- 2 pair
- 5.canopy ----- 1 piece
- 6.Rear Wing ----- 2 pcs
- 7.Float ----- 2 pcs
- 8.Wingtip ----- 2 pcs
- 9.fuselage ----- 1 piece
- 10.stabilizer -----1 piece
- 11.decal -----1 set
- 12.screw driver -----1 piece
- 13.plate ----- 4 pieces
- 14.propeller ----- 4 pieces
- 15.square wood -----2 pcs
- 16.styrofoam glue ----- 1 piece
- 17.hexagon wrench -----1 piece
- 18.wrench -----1 piece
- 19.plastic tube -----2 pieces
- 20.cowling -----2 pieces
- 21.Screw -----4 pieces
- 22.aileron linkage wire -- 2 pieces
- 23.2410 brushless motor 2 pcs
- 24.Screw ----- 2 pieces
- 25.vertical tail link rods ---1 pieces
- 26.water rudder -----1 piece
- 27.transmitter 1 piece(not included)
- 28.ESC 1 piece(not included)
- 29.receiver 1 piece(not included)
- 30.servo 4 pieces(not included)
- 31.Li-Po battery 1 piece(not included)
- 32.Li-Po charger 1 piece(not included)
- 33.Rudder rack ----- 4 pcs
- 34.spacer strip ----- 4 pcs
- 35.horizontal tail link rods 1 pcs

The picture is for a reference only; the actual item is the standard. If the manual is subject to change without further notice.

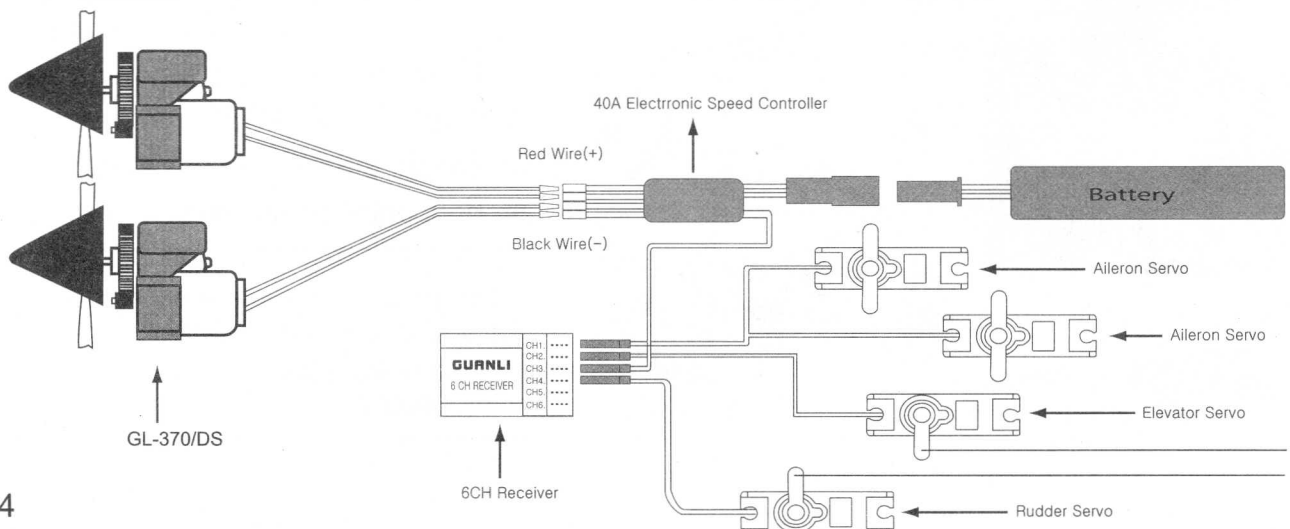
PARTS LIST FOR ARF



- 1.the left main wing -----1 piece
- 2.the right main wing-----1 piece
- 3.vertical tail -----1 piece
- 4.engine cover----- 2 pair
- 5.canopy ----- 1 piece
- 6.Rear Wing----- 2 pcs
- 7.float ----- 2 pcs
- 8.Wingtip ----- 2 pcs
- 9.fuselage ----- 1 piece
- 10.stabilizer -----1 piece
- 11.decal ----- 1 set
- 12.screw driver -----1 piece
- 13.plate ----- 4 pieces
- 14.propeller ----- 4 pieces
- 15.square wood -----2 pcs
- 16.styrofoam glue ----- 1 piece
- 17.hexagon wrench-----1 piece
- 18.wrench ----- 1 piece
- 19.plastic tube ----- 2 pieces
- 20.cowling -----2 pieces
- 21Screw ----- 4 pieces
- 22.aileron linkage wire 2 pieces
- 23.Screw 2 pieces
- 24.vertical tail link rods 1 pieces
- 25.water rudder 1 piece
- 26.Rudder rack 4 pcs
- 27.spacer strip 4 pcs
- 28.horizontal tail link rods 1 pcs

The picture is for a reference only; the actual item is the standard. If the manual is subject to change without further notice.

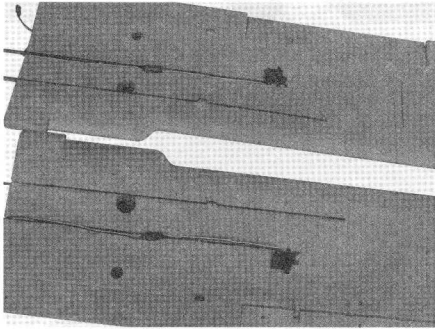
ELECTRIC ACCESSORIES WIRE INSTALLATION DIAGRAM:



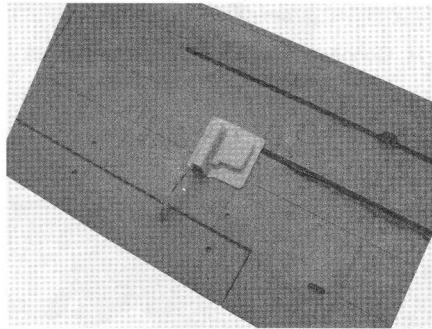
CAUTION: Before installation please read the instruction carefully. Please follow the above showing wire diagram to connect the wire and be sure the servo are in neutral position. When you are testing the servo, please do not connect motor wire and be sure to turn on transmitter first.

ASSEMBLY

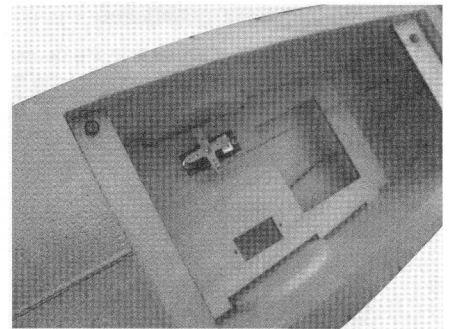
Your Radio Controlled Airplane will require complete assembly. It is important that you read the entire manual to become familiar with the product BEFORE you assemble and use the Airplane. Before assembling the Airplane be sure that you have all parts described in the Parts List and Assembly Diagram.



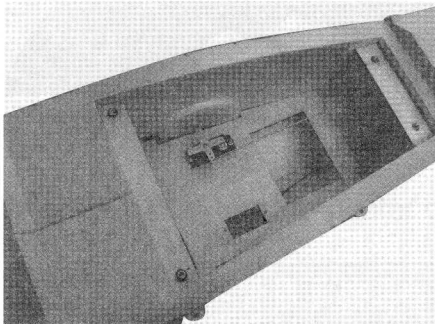
1. Assemble a servo to main wing, secured it by two screws.



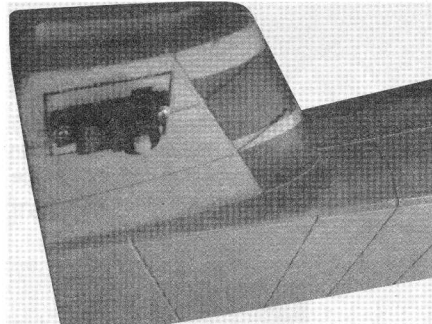
2. Connect the aileron linkage wire to aileron servo horns. Assemble two servo cover to cover the aileron servos as image shown.



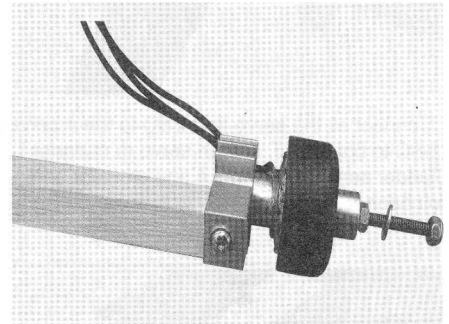
3. Assemble the rudder servo and elevator servo to the fuselage, secured them by screws.



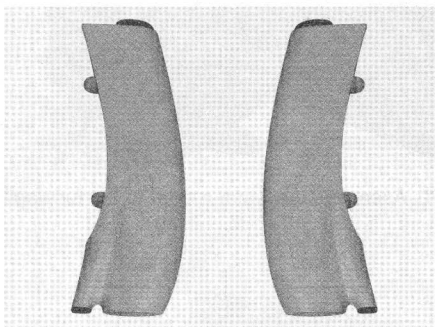
4. Connect the pull-push rods to the servo arms as shown image, secure the arms to servos by screws.



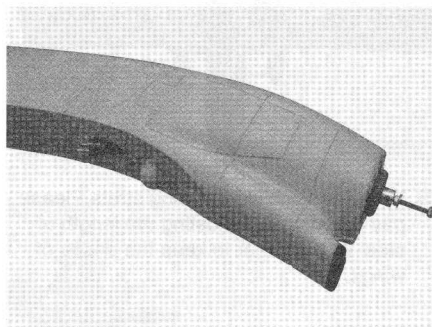
5. Assemble the horizontal rudder servo.



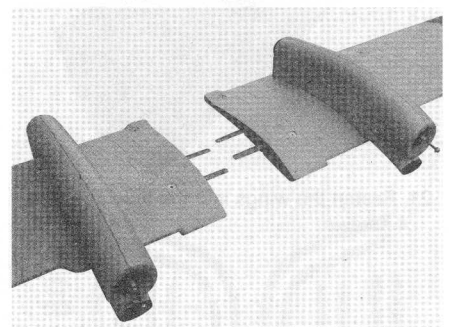
6. Assemble two brushless motor to the square woods, and secure them by two screws.



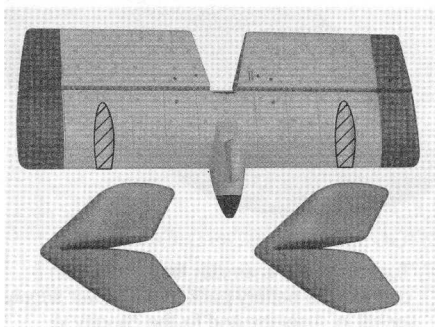
7. Assemble engine covers, Attention to fixed position and bonding strength.



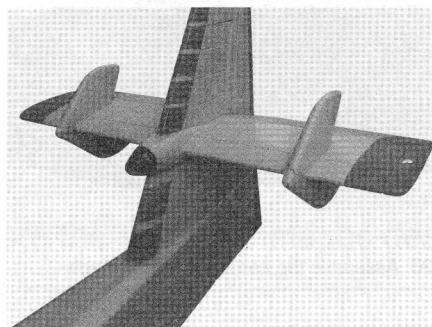
8. Glue 4 engine covers in the positions as shown image.



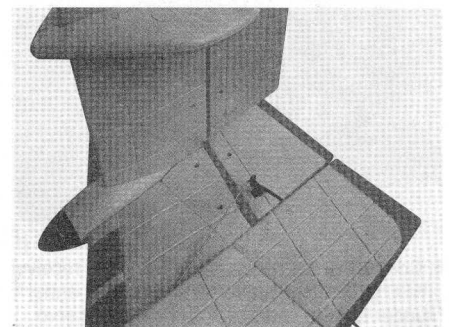
9. Assemble engine covers to the main wings, Attention to fixed position and bonding strength.



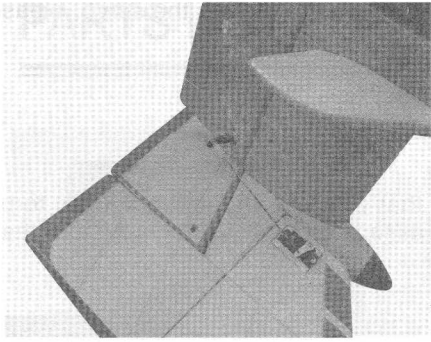
10. Assemble the propellers to power shafts, secure them by the nuts and wrench provided.



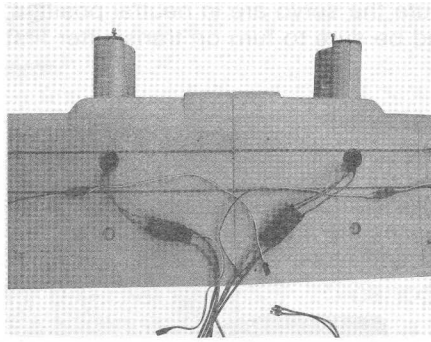
11. Glue the horizontal and vertical fin into the fuselage, Attention to fixed position and bonding strength.



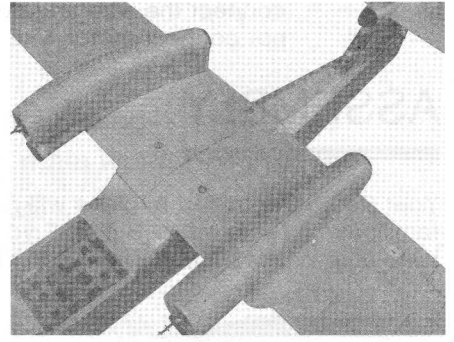
12. Make sure the control signal is in the center position when assembling the control rod to the horn of the vertical fin.



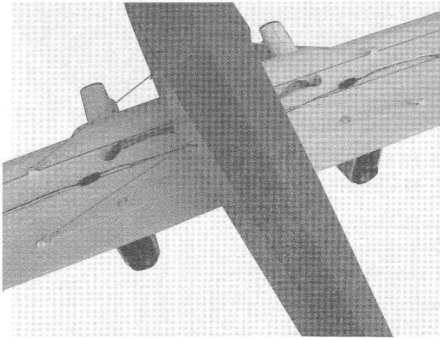
13. Make sure the control signal is in the center position when assembling the control rod to the horn of the horizontal fin.



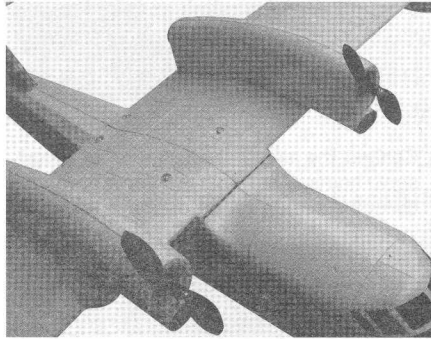
14. Connect motor and ESC, Note that the rotation direction of motor after power.



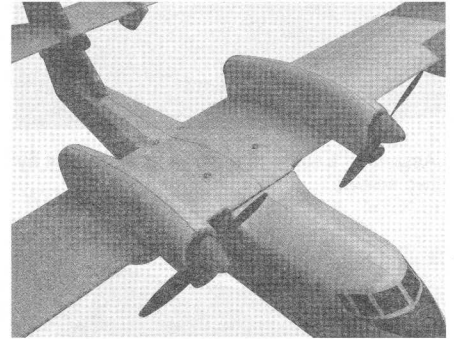
15. Fasten the wings into the fuselage with 4 screws.



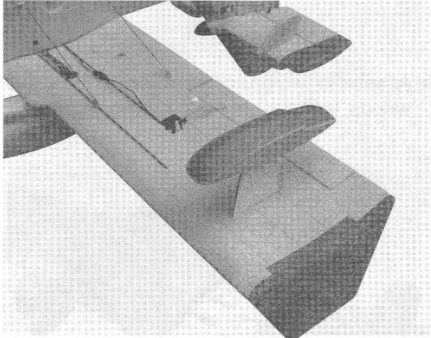
16. Connect all the servo and ESC to the receiver. (ESC to channel 3, aileron servo to channel 1, Rudder servo to channel 4 and elevator servo to channel 2).



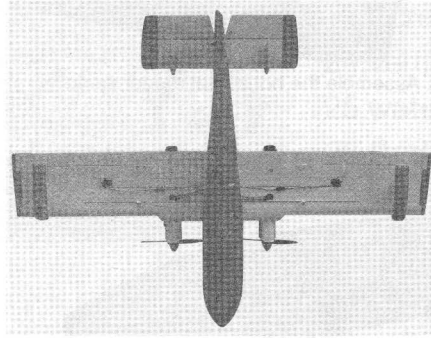
17. Assemble the propellers to motor shafts; please note positive and negative direction of the propeller (Propellers convex surface faces toward the direction of the aircraft nose).



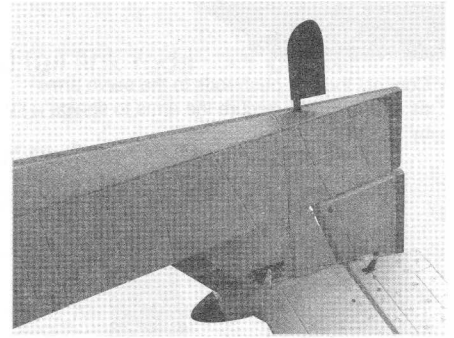
18. Assemble the cowling to the motor shafts.



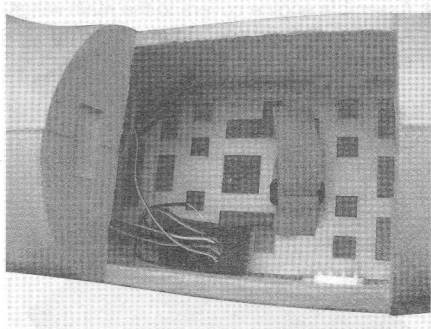
21. Fasten the wings into the fuselage with 4 screws.



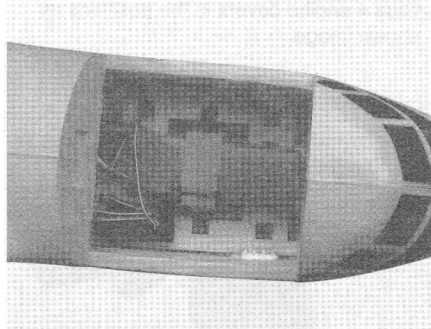
19. When assembling the wing struts, Please pay attention on adjusting the length of steel wire in order to keep the shape of wings.



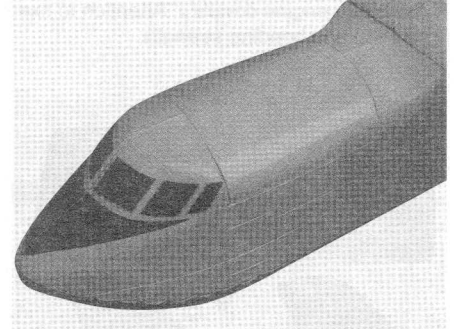
20. Assemble the water rudder to the fuselage.



25. Connect all the servos and ESC to the receiver. (ESC to channel 3, aileron servos to channel 1, rudder servo to channel 4 and elevator servo to channel 2)

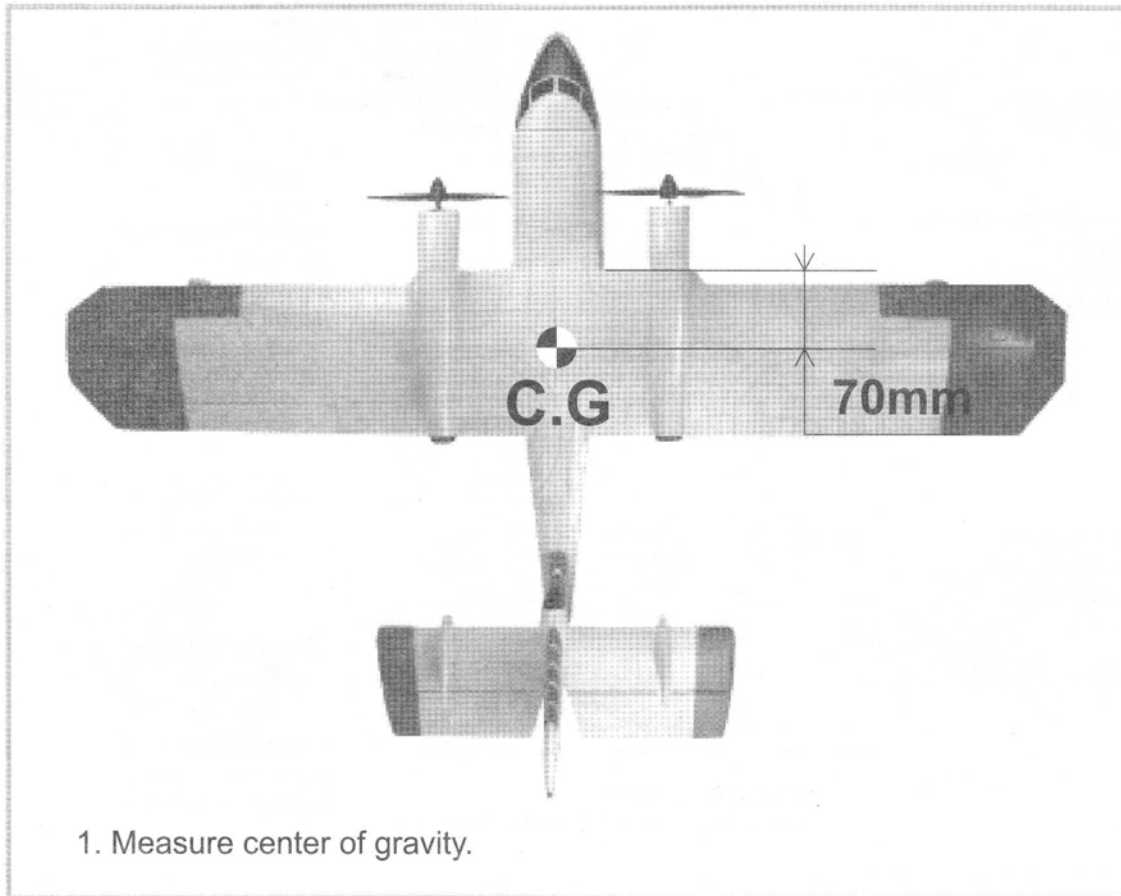


26. Assemble the battery to the fuselage.

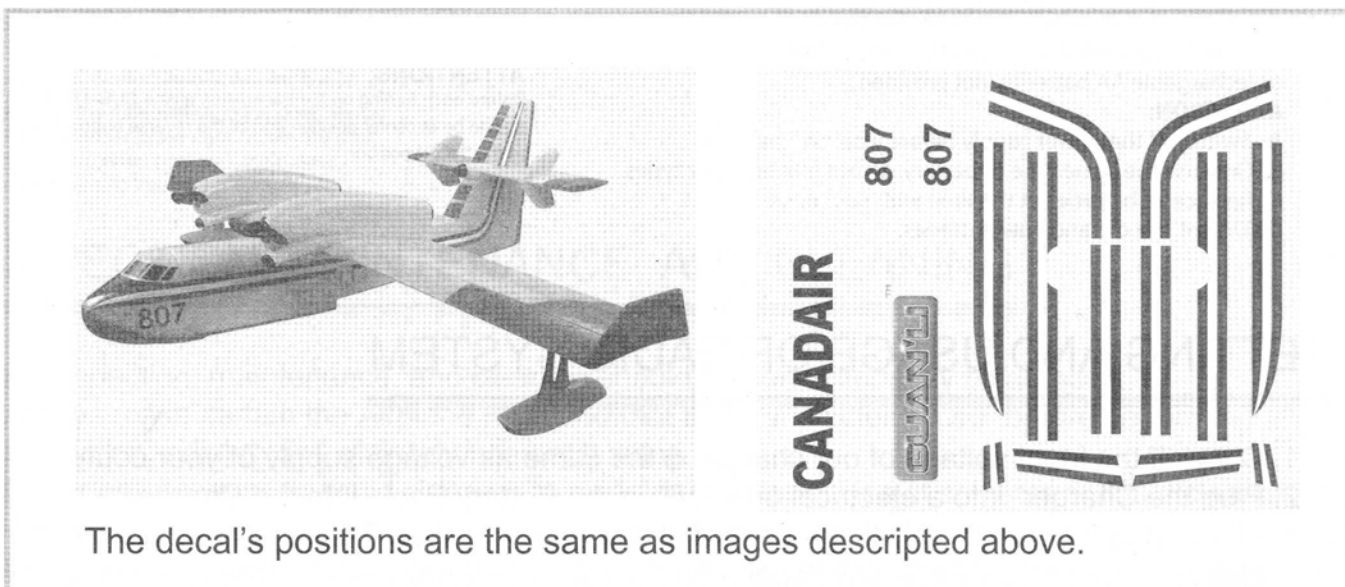


27. Turn on your transmitter firstly, and then connect the battery pack to the power supply socket in fuselage and fix the canopy to fuselage.

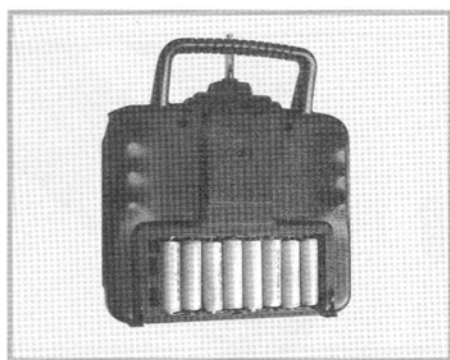
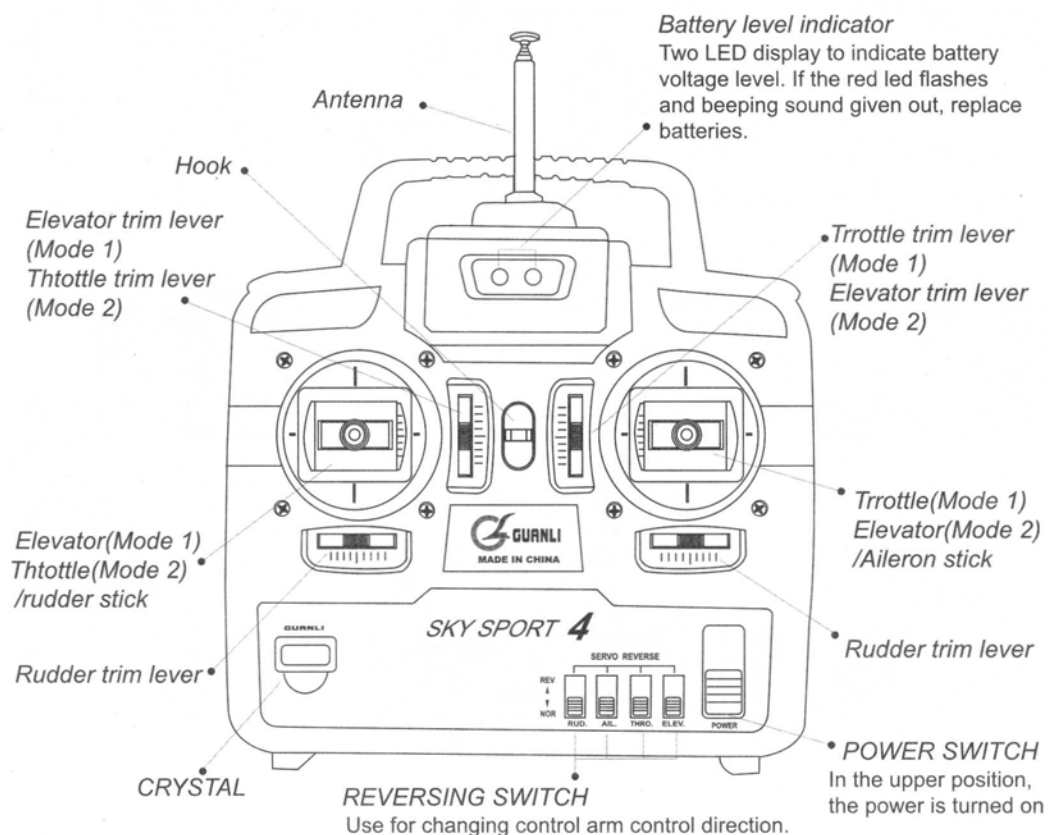
CENTER OR GRAVITY



DECAL



SETTING AND USAGE OF RADIO SYSTEM



Remove battery cover and install 8 pieces Alkaline or rechargeble AA batteries (not provided).

ATTENTION:

- A. Switch off the power supply before inserting batteies.
- B. Only use the same type of battery, do not mix brand or types.
- C. Replace all batteries at the time with new ones.
- D. Do not mix old and new batteries.

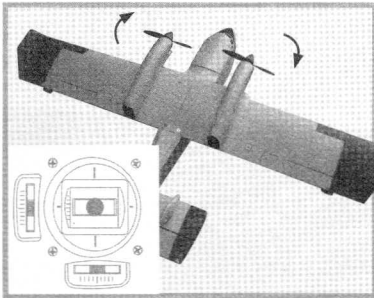
ATTENTIONS:

Before each turning on the transmitter, all the SUB-TRIM should be at center position and all the reverse bottom are at the "NOR" position.

SETTING AND USAGE OF RADIO SYSTEM

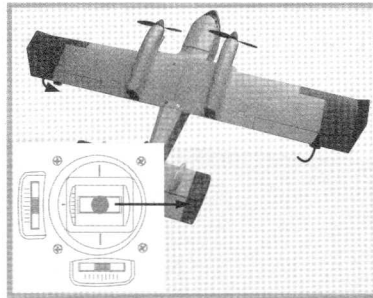
1. Check if the input voltage of our charger is the same as voltage supply of your country.
2. Plug the Charger into a electrical outlet. Plug the Battery Pack into the Charger
3. Allow up to 3 hours for initial charge and all following charges. The length of time for charging the Battery Pack will depend on the status of the current charge existing in the Battery Pack.

BEFOR FLY TEST

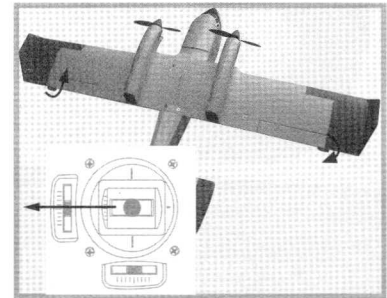


1. Turn on your transmitter and then the airplane. Push up the throttle stick slowly and watch the reaction of the motor. The motor should run from low to full throttle as you adjust the stick upward.

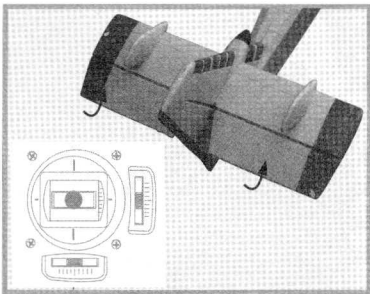
NOTE: Throttle will be controlled on the left in mode 2 transmitters.



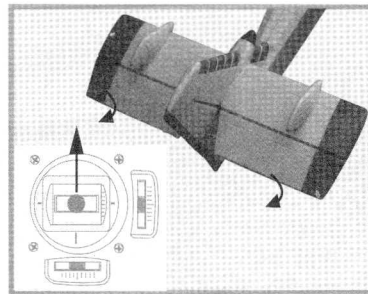
2. Aileron stick move to right, the right side aileron on the airplane move up, and left aileron move down. When stick in neutral position, all the aileron on the airplane should return to neutral.



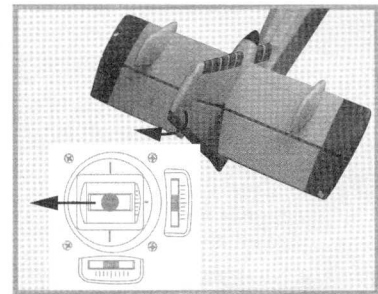
3. Aileron stick move to left, the right side aileron on the airplane move down, and left aileron move up.



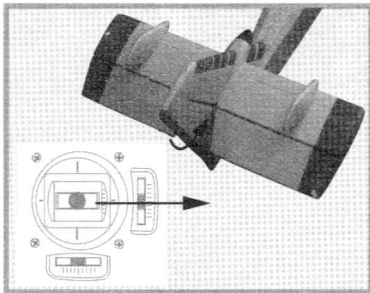
4. Moving the elevator stick down should move the elevator up. When the stick is in neutral, the elevator should return to neutral.



5. Moving the elevator stick up should move the elevator down. When the stick is in neutral, the elevator should return to neutral.



6. Moving the rudder stick to the left should move the rudder to the left. When the stick is in neutral(center position), the rudder should return to neutral.



7. Moving the rudder stick to the right should move the rudder to the right. When the stick is in neutral(center position), the rudder should return to neutral.

NOTE: If the motor or movement does not follow the stick control, please check to confirm the power wire connection is correct. Check with reverse switch on the transmitter.

INSPECTION, MAINTENANCE, AND CLEANING

1. All inspection, maintenance, and cleaning should be performed only by an adult.
2. Always make certain the Airplane is off and that the Transmitter is OFF before performing any inspection, adjustment, maintenance or cleaning.
3. Never use solvents or liquid cleaners to clean the Airplane. Use of solvents or liquid cleaners will damage the material. Use only a dry, soft cloth for cleaning.
4. Before each use check for loose screws, misalignment or binding of moving parts, cracked or broken parts, damaged housing, damaged wiring, loose wheels and any other condition that may affect its safe operation. Do not use the Airplane if it is damaged.