

Before commencing assembly, please read these instructions thoroughly.

LINGCAT



Wing Span:800mm(31.5")
Length:940mm(37")
Weight:750g(26.5oz)
Wing Area:16.1dm² (250sq in)
Wing Loading:46.6g/dm²(16.4 oz/sq in)
Engine:Brushless Motor(200-250w)

INSTRUCTION MANUAL

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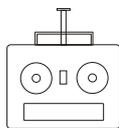


SAFETY PRECAUTIONS

- First-time builders should seek the advice of experienced modelers before commencing assembling and if they do not fully understand any part of the construction.
- You are responsible for this model`s assembly and safe operation!
- Always keep this instruction manual ready at hand for quick reference, even after completing the assembly.

REQUIRED FOR OPERATION (Purchase separately!)

1 4 Channel R/C Transmitter



3 Brushless Motor



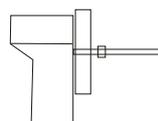
5 Propeller



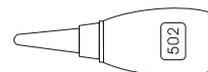
2 4 Channel Mini R/C receiver



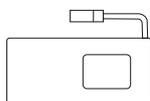
4 Reduction gear case



6 Instant Glue



7 Power battery

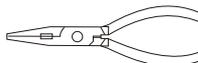


8 Speed Controller

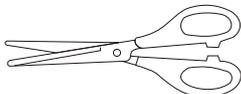


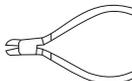
TOOLS REQUIRED (Purchase separately!)

Sharp Hobby Knife 

Needle Nose Pliers 

Screw Driver 

Scissors 

Wire Cutters 

Awl 

BEFORE YOU BEGIN

1 Read through the manual before you begin, so you will have an overall idea of what to do.

2 Check all parts. If you find any defective or missing parts, contact your local dealer.

3 Symbols used throughout this instruction manual, comprise:

 Apply C.A Glue

 Apply A.B Glue

 Apply P.A Glue

 Assemble left and right sides the same way

 Drill holes with the specified diameter (here: 2mm)

 Purchase separately

 Pay close attention here

 Ensure smooth non-binding movement while assembling

 Cut off shaded portion

Parts Layout

KING CAT ARF Airplane

Explain:

31.5" wingspan ,37" long ,26.5oz flying weight. The plane is made of great balsa wood. Totally produce like the real plane just reduce it. It comes with 6 servos , R28C-1 1200kv Brushless Motor, 30A motor controllers and 8*6 APC Thin-Electric prop. The plane flies out easily and climbs strongly in several meters. Its flying is very graceful and could all actions . Its landing is very balance.



Radio:
Rich-R.D R-06.6 Channel 72mhz Fm
Radio
(1)



Brushless Controller:
RICH-ESC R-30A 30Amp
Brushless Controller
(1)



Servo:
R-90 RICH S.V Servo
(6)



Gold Contacts Complete:
Rm-G01 Rm-G04 2kit
(1)



Servo Extensions:
RM-R01 24" Servo Extensions(3)
6" Servo Extensions(1)



Battery Pack:
Fu-1350 3cell 1350mah 11.1v
Li-poly pack 20C
(1)



Y Connectors:
One-RM Y connectors:
(2)



Brushless Motor:
R28C-1 1200KV Brushless Motor
(1)

Prop:
Lp08060 APC 8x6E Slowflyer
Prop
(1)



Radio Motor Mount:
28A Radial Mount
(1)

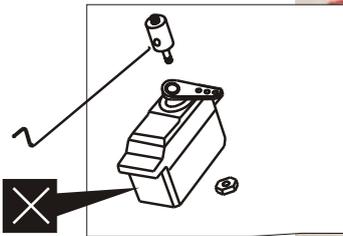
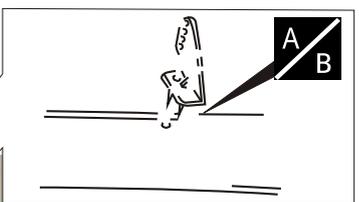
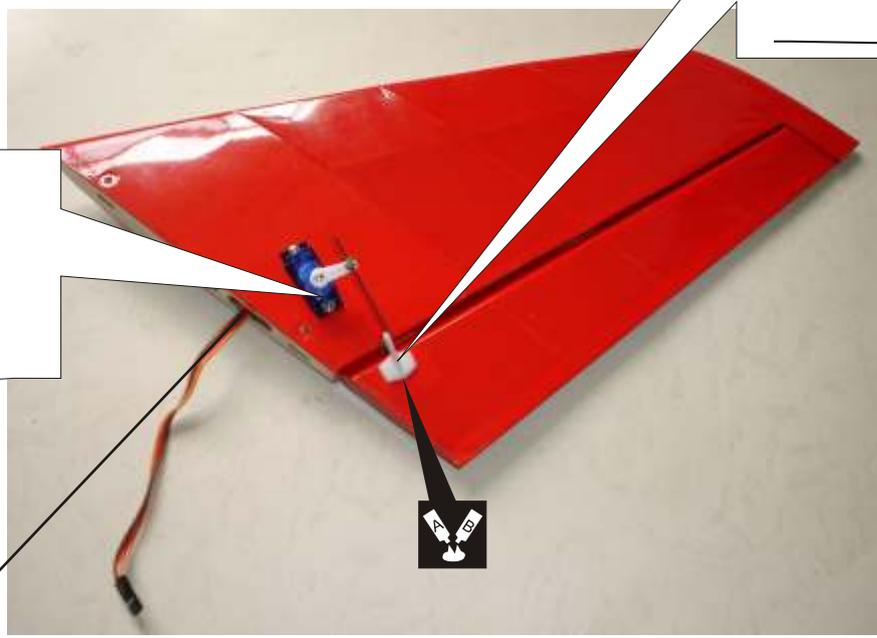
1 Main Wing



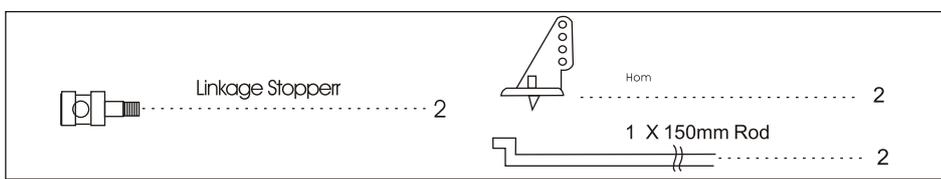
 C.A.
 

Be sure to apply instant type CA glue to both sides of each hinges. (Low viscosity type)

2 Main Wing



Aileron servo line

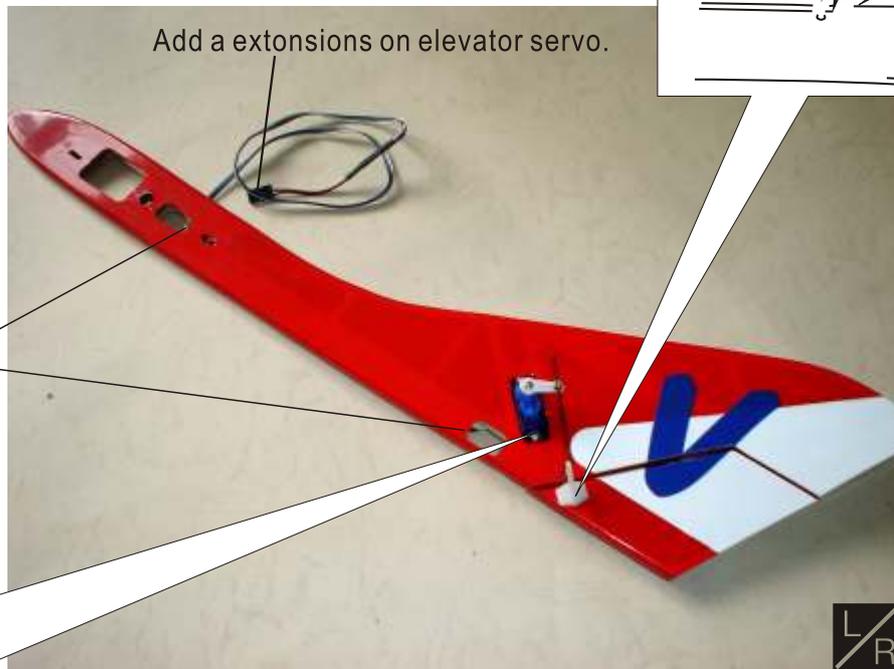


3 Vertical Tail



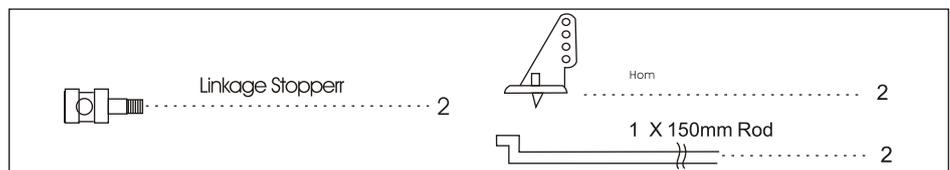
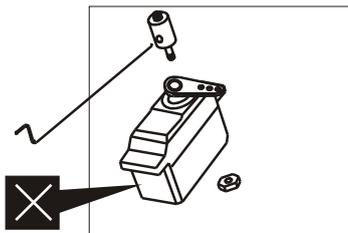
 C.A.
 L/R
 Be sure to apply instant type CA glue to both sides of each hinges. (Low viscosity type)

4 Elevator Servo



Add a extensions on elevator servo.

Elevator Servo line



5 Horizontal Tail

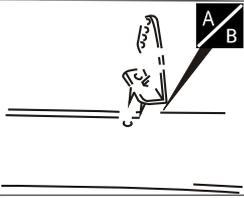
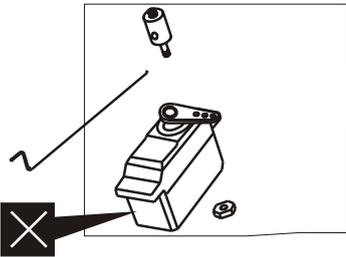
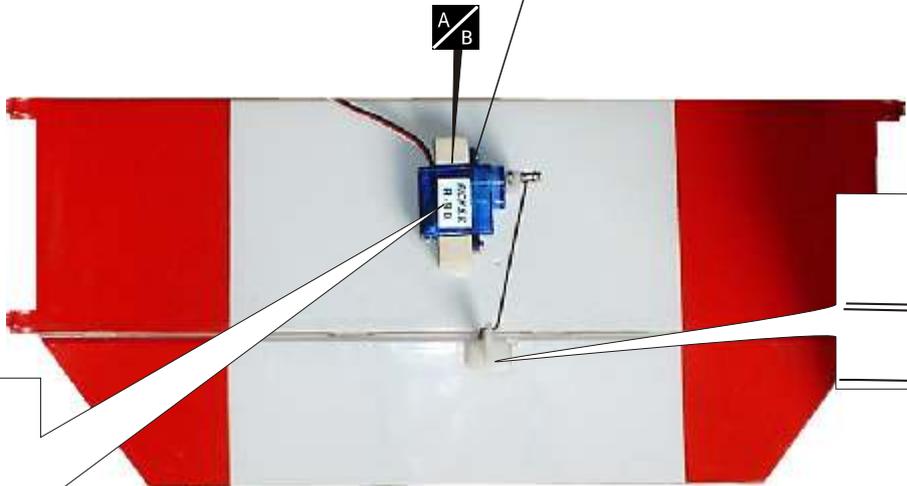




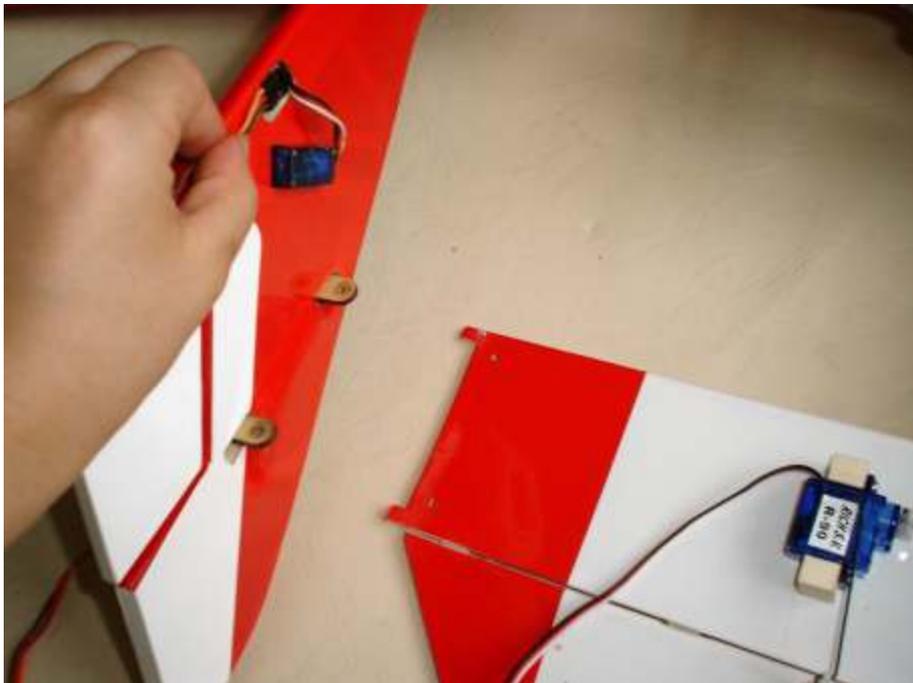
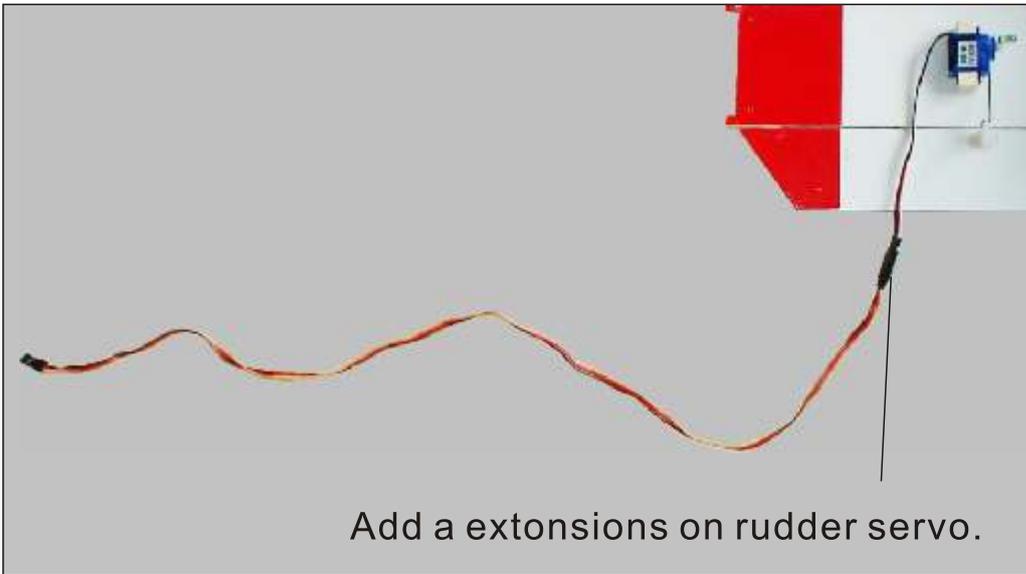

 Be sure to apply instant type CA glue to both sides of each hinges. (Low viscosity type)

6 Rudder Servo

2 X 8mm TP Screw



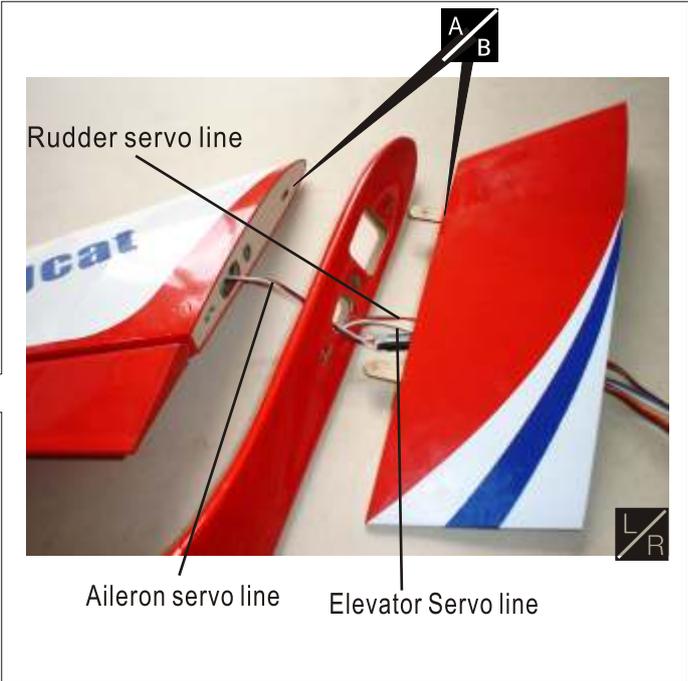
- | | | | | | | | | |
|---|-----------------|---------|---|---------------|---------|---|------------------|---------|
|  | Linkage Stopper | 1 |  | Horn | 1 |  | 2 X 8mm TP Screw | 2 |
|  | wood block | 2 |  | 1 X 150mm Rod | 1 | | | |



Rudder servo line



7 Main Wing

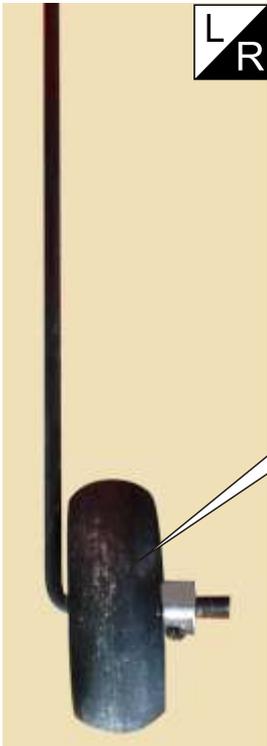


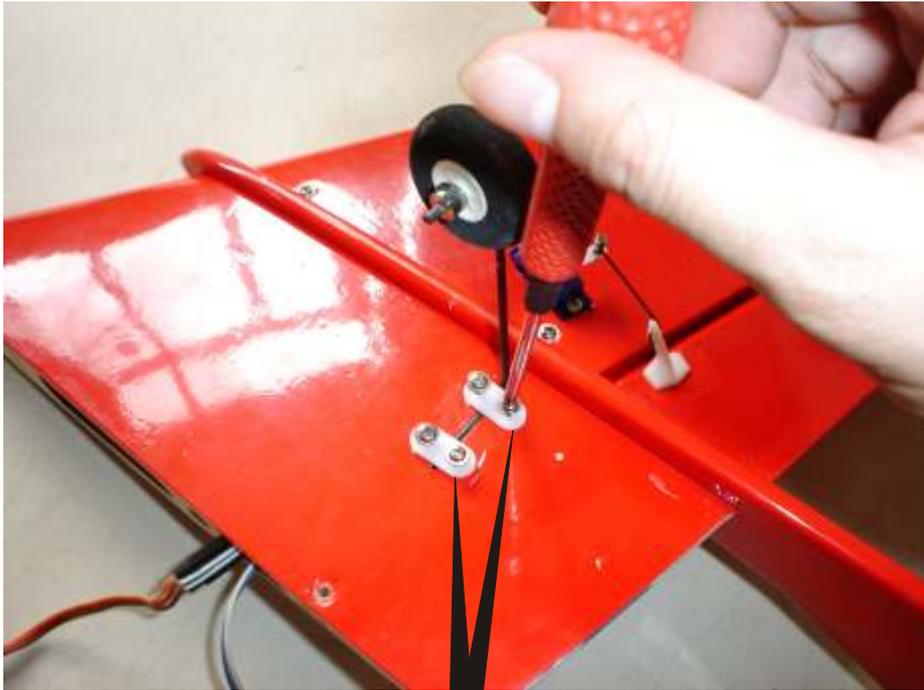


3 X 12mm TP Screw



8 Main Landing Gear



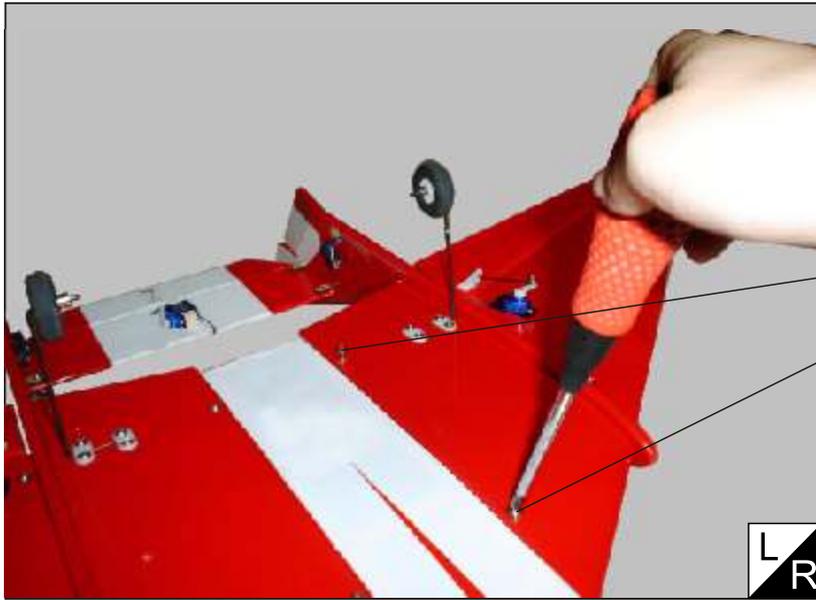


	3 X 8mm TP Screw	8
	Nylon Plates	4

9 Main Wing



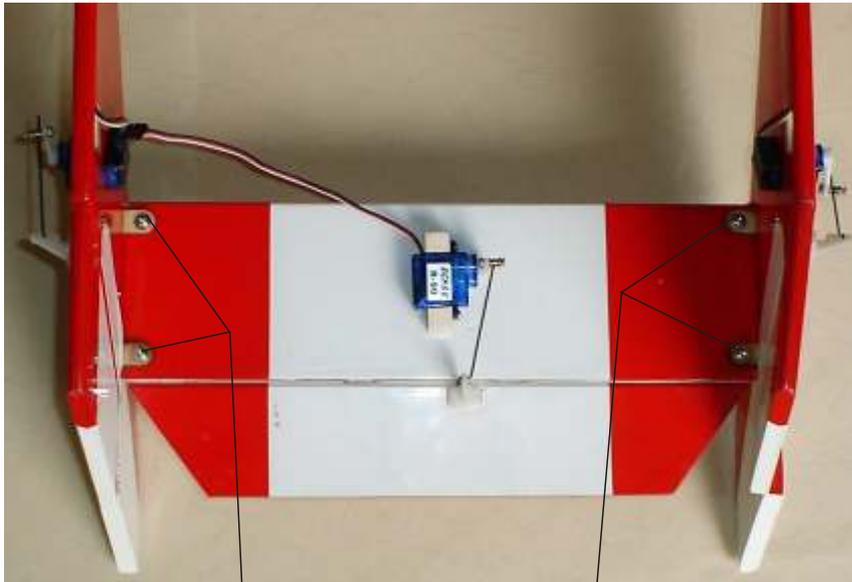
	Aluminum Joint Stick	1
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3 X 8mm TP Screw

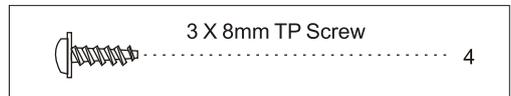


10 Horizontal Tail

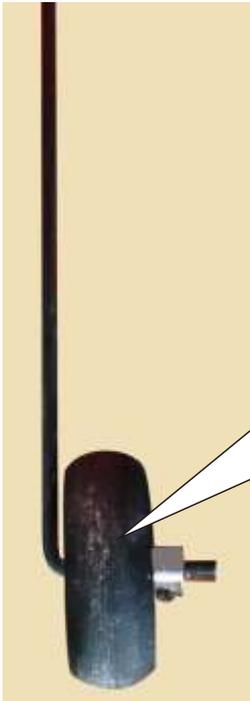


3 X 8mm TP Screw

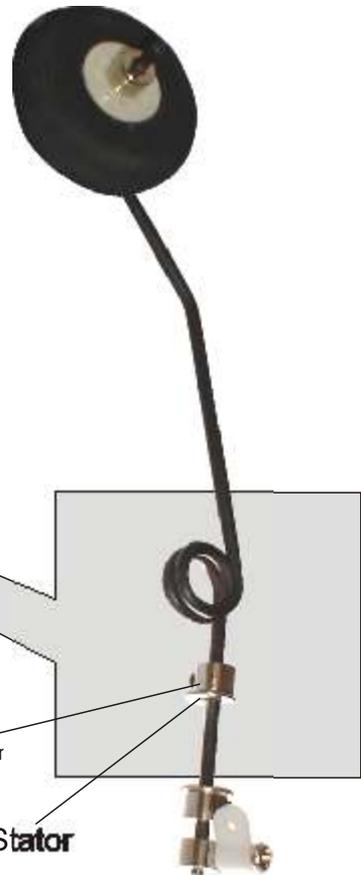
3 X 8mm TP Screw



11 Front Landing Gear



-  Linkage Stopper 1



-  Linkage Stopper 1
-  Stator 1

Linkage Stopper

Stator

12 Front Landing Gear Servo



3 X 10mm TP Screw

Linkage Stopper

Stator



	Linkage Stopper	2		3 X 10mm TP Screw	1
	Stator	1		Nylon Arm	1
				1.2 X 45mm Rod	1

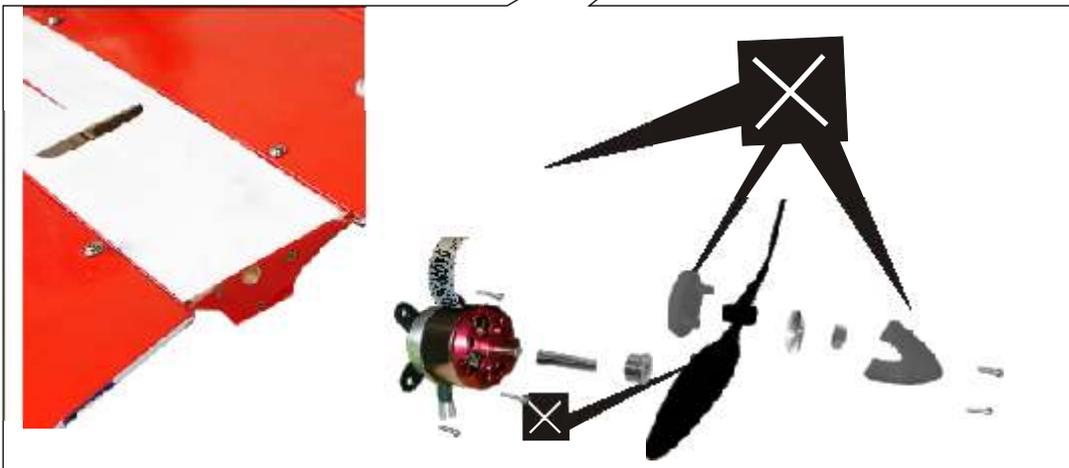
13 Brushless Motor



3 X 15mm TP Screw

3

	3 X 15mm TP Screw	3
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14 Controls



Receiver

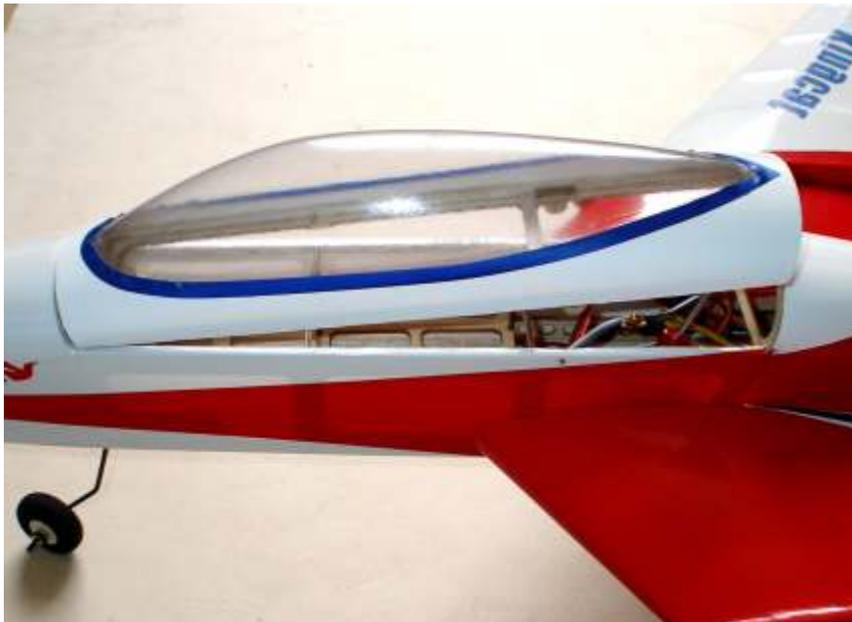


Batteries



Motor controller

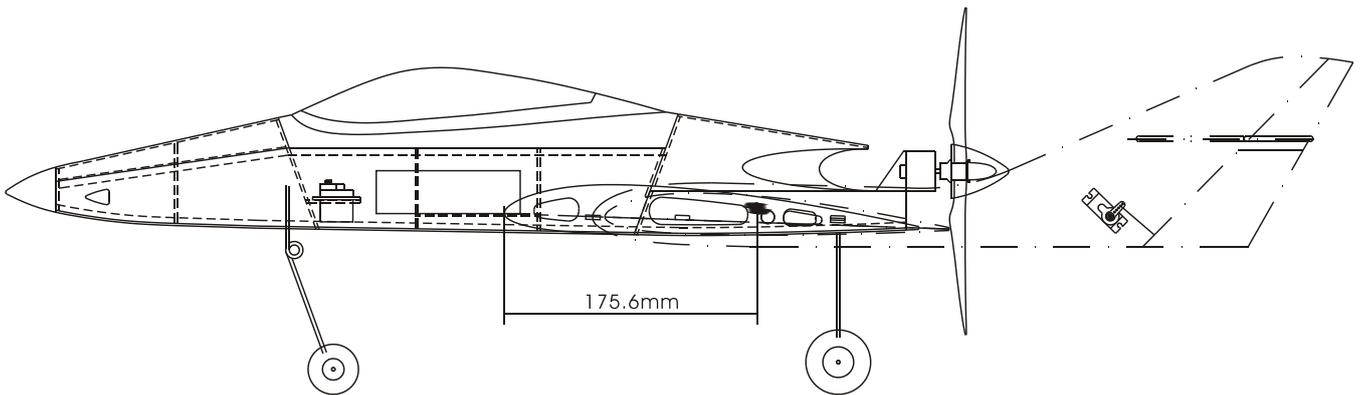
15 Canopy



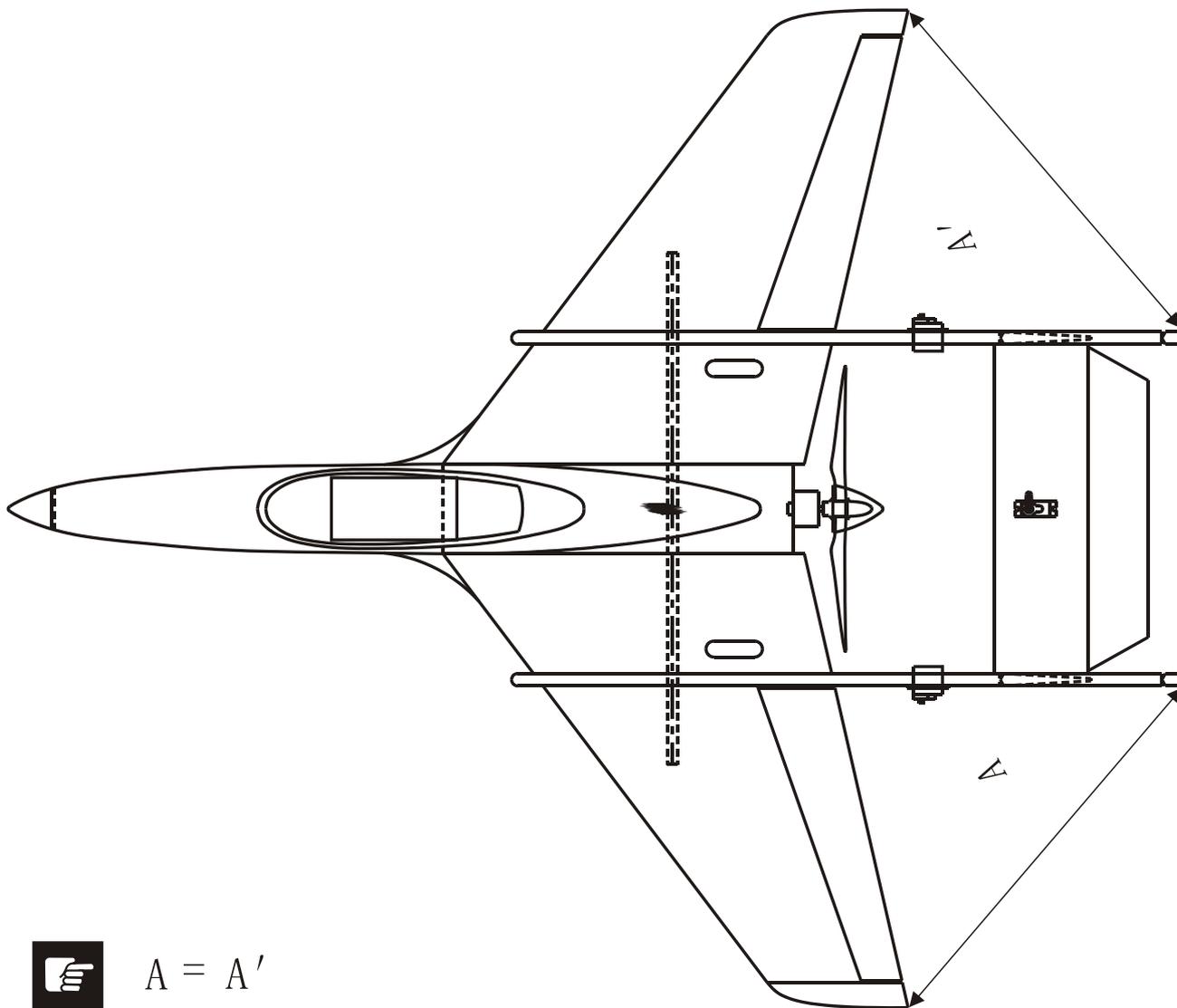


 2 X 8mm TP Screw 2

Center of Gravity



Wing Symmetry



$$A = A'$$