

Christen Eagle

Giant Scale Classic Aerobatics Biplane

For Intermediate & Advanced Fliers.

SAFETY PRECAUTIONS

This radio control model is not a toy!

First-time builders should seek advice from people having building Experience in order to assemble the model correctly and to produce Its performance to full extent.

Assemble this kit only in places out of children's reach!

Take enough safety precautions prior to operating this model.

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.

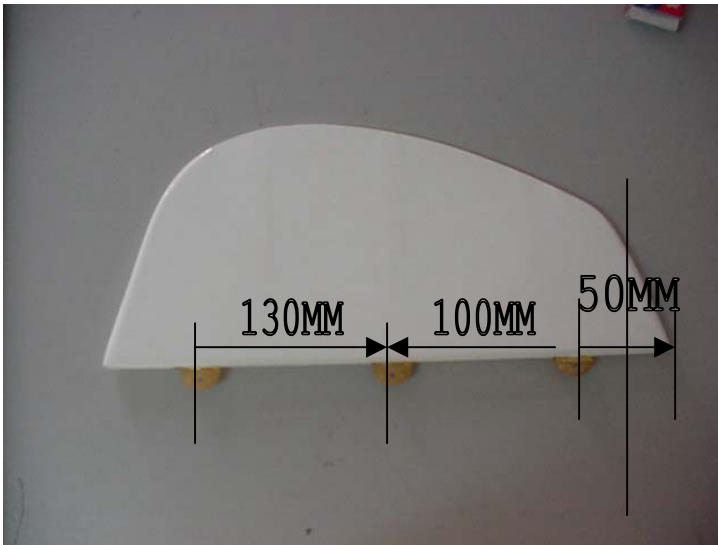
Notice:

This manual included Specification, Parts list in paper and CD full instruction manual.

Before you read the CD. Please install Acrobat Reader. First.

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P1



Trim out film at LE. of Rudder and install three hinges.

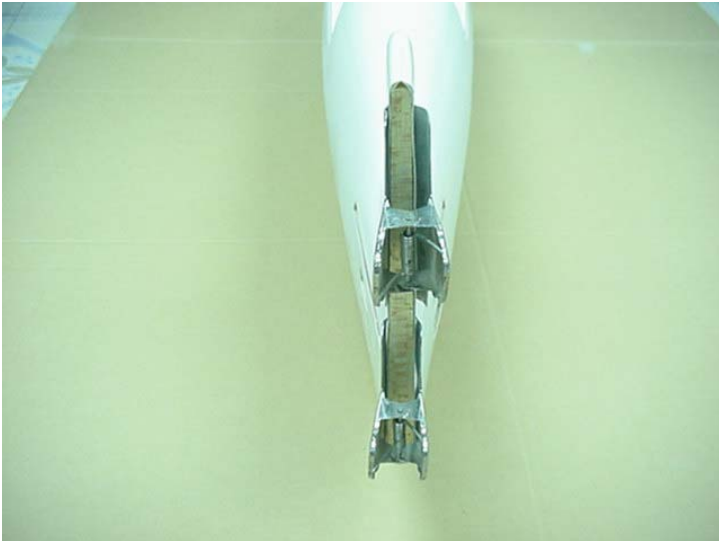
Glue them in piece .

SEE: P1

Parts needs: copper hinges x 3 PCS.

Supply from separately .

P2



Glue the Fin posit inside the tail .

Hold them in piece with long clip .

Glue it in piece with epoxy.

SEE P2.

P3

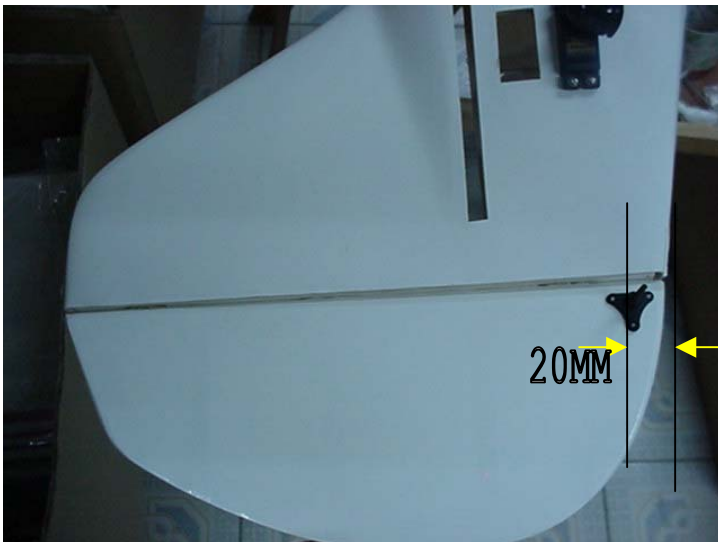


Cut three slot at same place as Rudder hinges.

Notice: made sure all slot are center of the Fin.

SEE P3

P4



Install the Rudder to tail.
Glue them in piece with Epoxy.

SEE P4

P5



Install a heavy duty tail gear and tail wheel at the tail position.

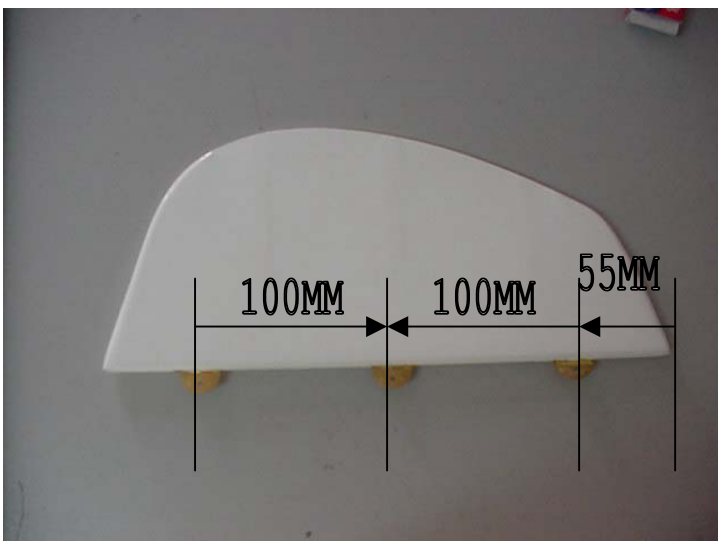
SEE P5

Parts need:

Heavy duty tail gear and tail wheel.

Supply from separately

P6



Trim out film at LE. of Elevator and install three hinges.

Glue them in piece .

SEE P6

Parts needs: copper hinges X 6 PCS.

Supply from separate .

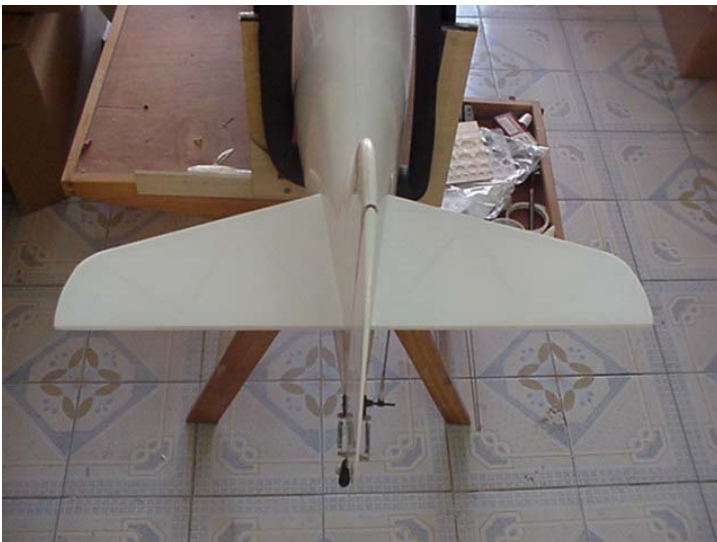
P7



Pre-install the Stabilizer in Fus. Then mark slot edge with marking tape. Then remove the Stabilizer from Fus. And trim off cover film a bit inside of mark.

SEE P7

P8



Made sure the Stabilizer are right angle with Fin. And Fus.

Glue the Stabilizer in to the Fus.

SEE P8 &

Notice:

Before the Epoxy dry , remove marking tape , so all excess Epoxy will be remove together.

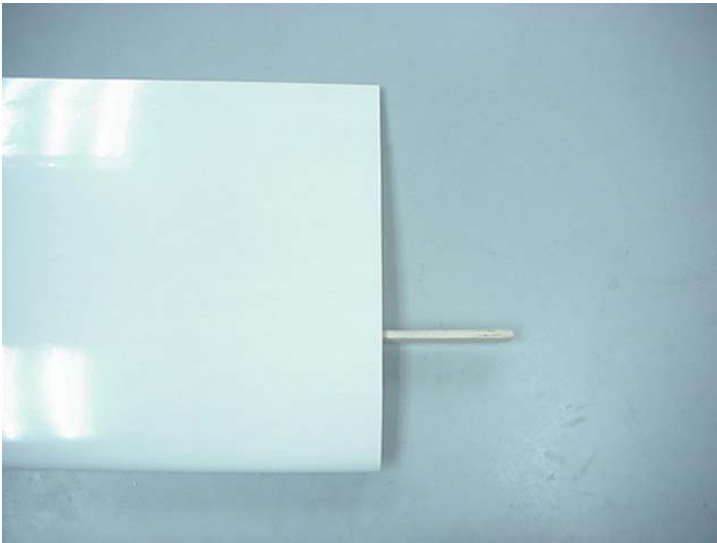
P9



Install Elevator to Stabilizer.
Glue it in piece with Epoxy.

SEE P9

P10



Install dihedral brace to low wing .

SEE P10

Parts need: F 137

P11

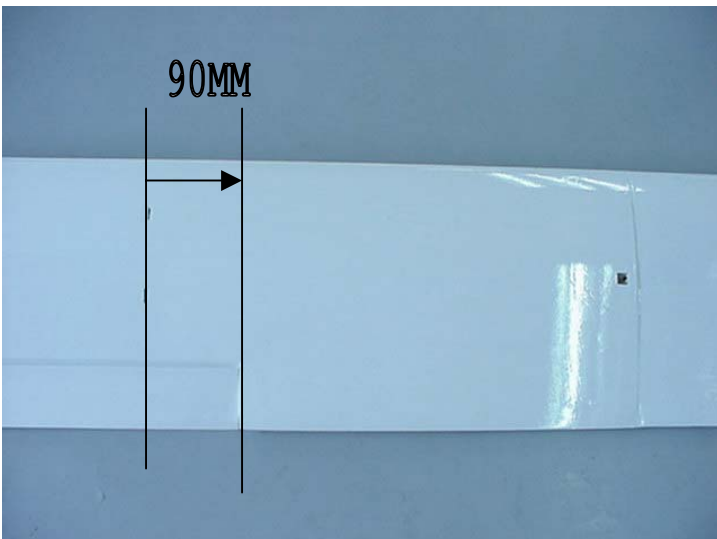


Glue the low wing panel in piece with Epoxy.

Hold them with marking tape.

SEE P11

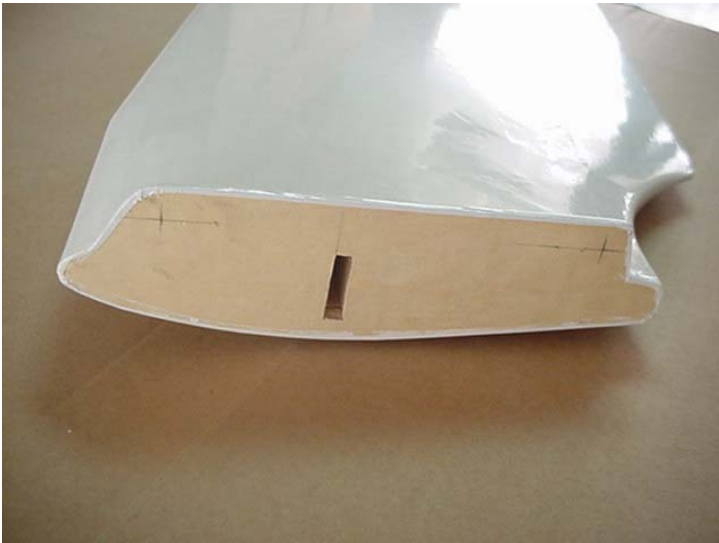
P12



Trim out cover film at strut slot at each side of low wing and top wing.

SEE P12

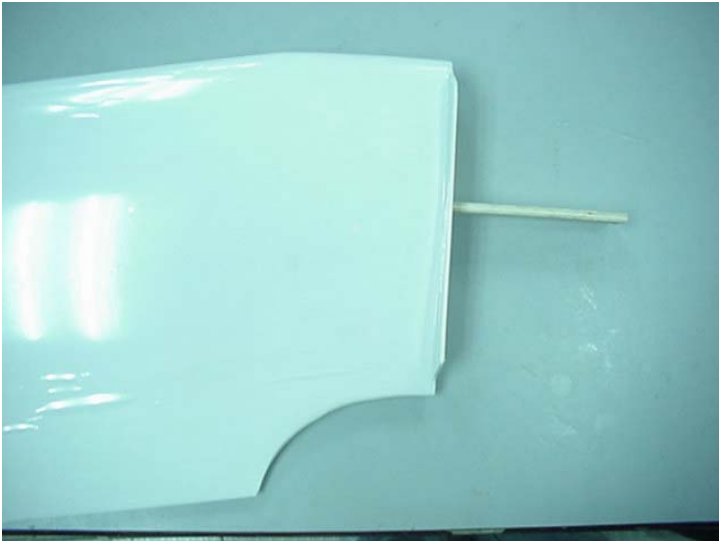
P13



Drill to two 3mm hole to root of top wing.

SEE P13

P14



Install dihedral brace to top wing panel .

SEE P14

Parts need: F 136

P15



Glue the top wing panel in piece with Epoxy.
Hold them with marking tape.

SEE P15

P16



Place four ply wood inside the low wing fairing .

Glue them with Epoxy.

SEE P16

Parts need: F129

P17



Drill four 4mm hole on the low wing fairing.

SEE P17

P18

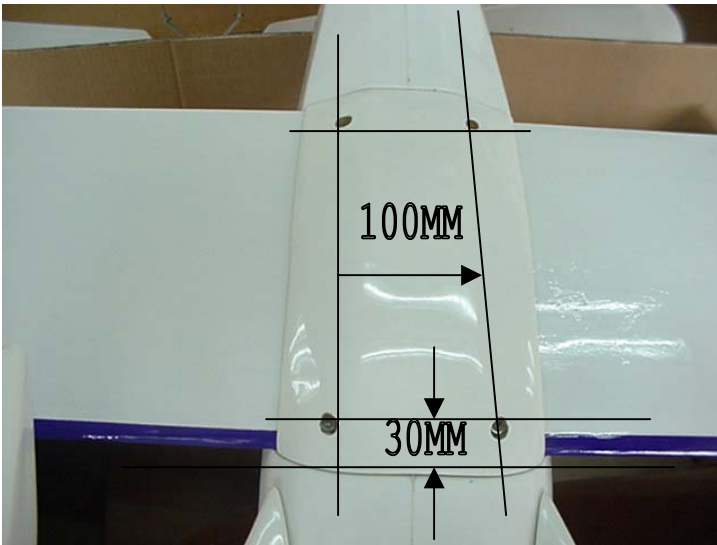


Made all four hole bigger to 10mm.

Notice: do not use drill to made hole bigger,
The drill will made GRP. Easy to crash .

SEE P18

P19



Place the low wing on the Fus. temporarily.
Made sure wing the Fus. are right angle.

Made the fairing in right position and make it
with marking tape.

SEE P19 & 60-61

P20



Follow the hole to drill the 4mm hole in to
the Fus.

Then remove the low wing .

Drill the all hole again to made it bigger for
install blind nut.

Install four 4mm blind nut under the wing
site.

Install the low wing with four 4mm wing
bolt.

SEE P20 & p60-61

P21

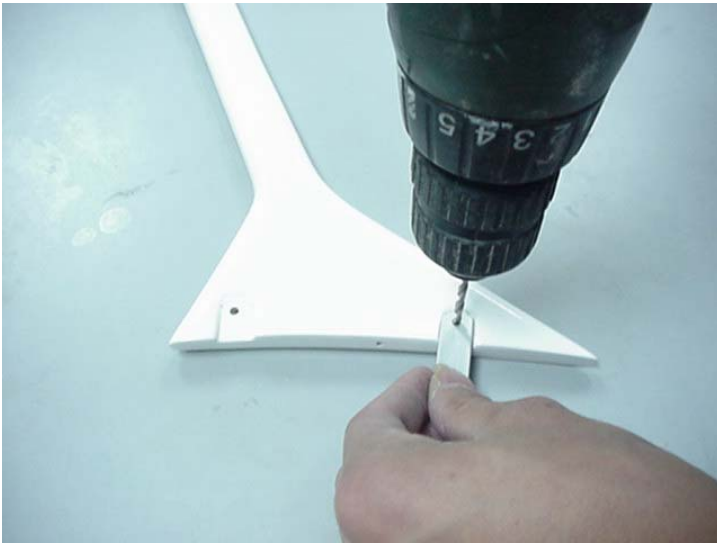


Trim off cover film a bit inside the marking
tape.

And glue the wing fairing on the low wing
panel.

SEE P21.

P22



Follow the hole on Alum. strut connector to drill a 3mm hole at all connect point.

SEE P22

P23



Install the Alum. connector on all wing strut.

SEE P23

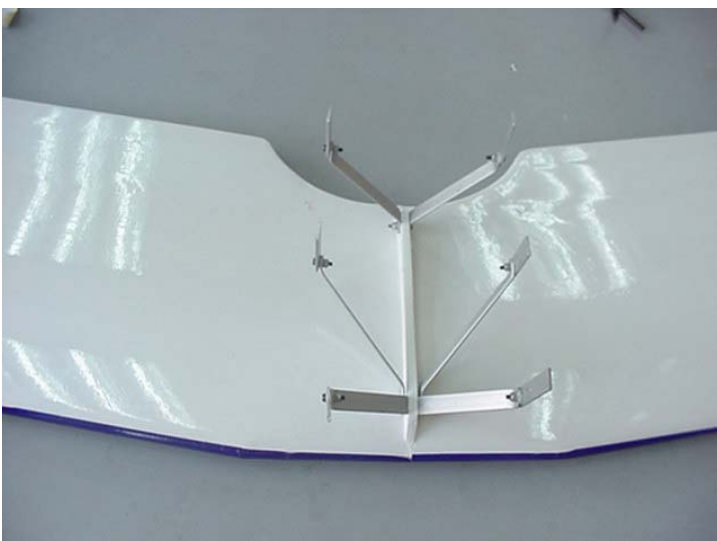
Parts need:

Alum. connector X 8

M3 X 12 screw X 8

M3 nut X 8

P24



Install all top wing Alum. strut to root ply of top wing.

Parts need:

M114 X2

M114A X 4

M115A X4

M115 X 2

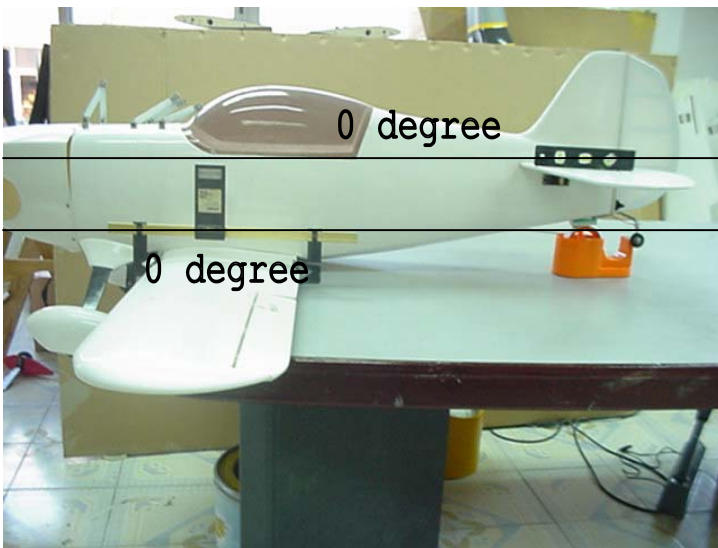
M115B X 2

M3 X 20 bolt and nut X 2

M3 X 12 bolt and nut X 6

SEE P24

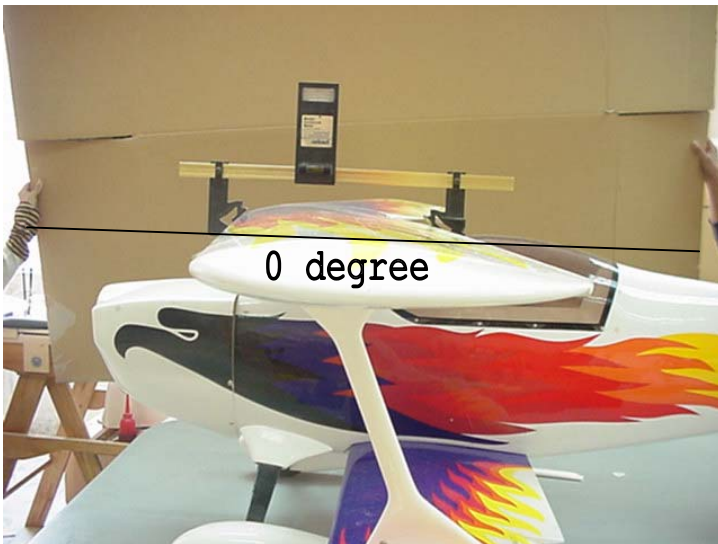
P25



Set the Stabilizer to 0 degree.
Check the low and adjust to 0 degree.

SEE P25 & 60 -61

P26



Place the top wing on the Fus. top.
Check and adjust the top wing as 0 degree.

SEE P26

P27



Glue all wing strut and connector with slow set Epoxy. And hold them to dry.

SEE P27

P28

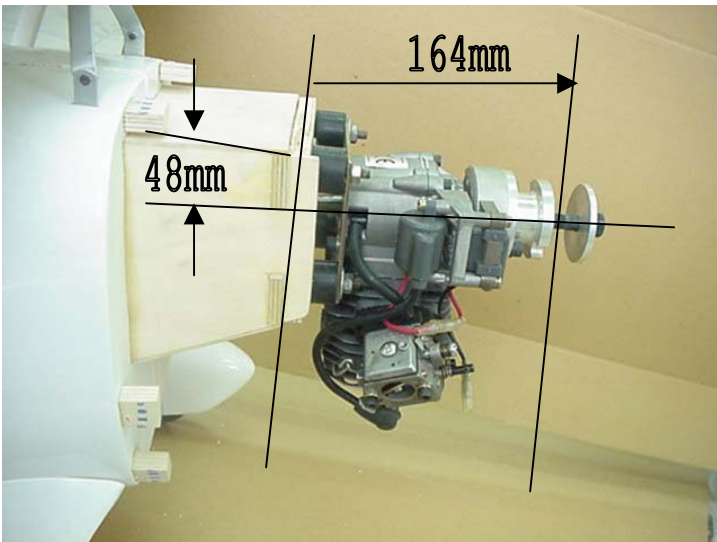


Made sure the motor back have right off set to keep the motor right thrust in 2 degree.

Rubber mount are recommended to use when you use Gas motor.

SEE P28

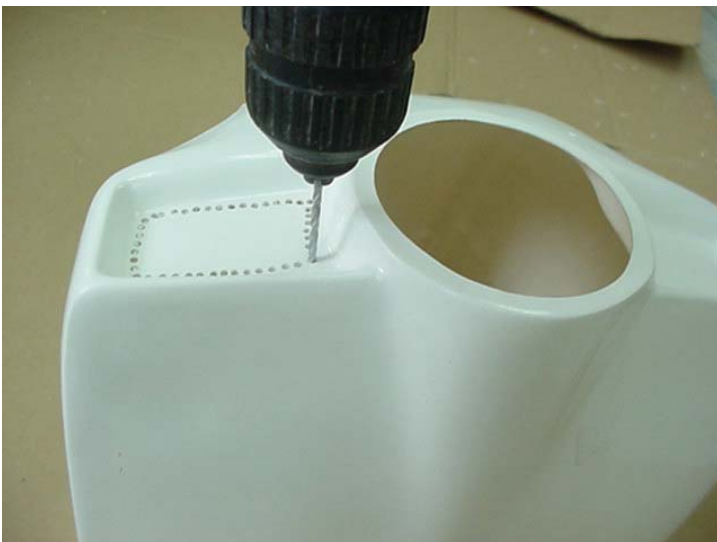
P29



Made sure the motor at a right thrust line. And right distance from fire wall .

SEE P29

P30



Drill some small hole to made the air in take hole on cowl end.

SEE P30

P31



If it is need sanding smooth the edge of the hole.

SEE P31

P321



Glue ply and balsa wood block to end of Fus. for fix cowl .

SEE P32

Parts need:

F105 X 6

F106 X 1

F106A X 2

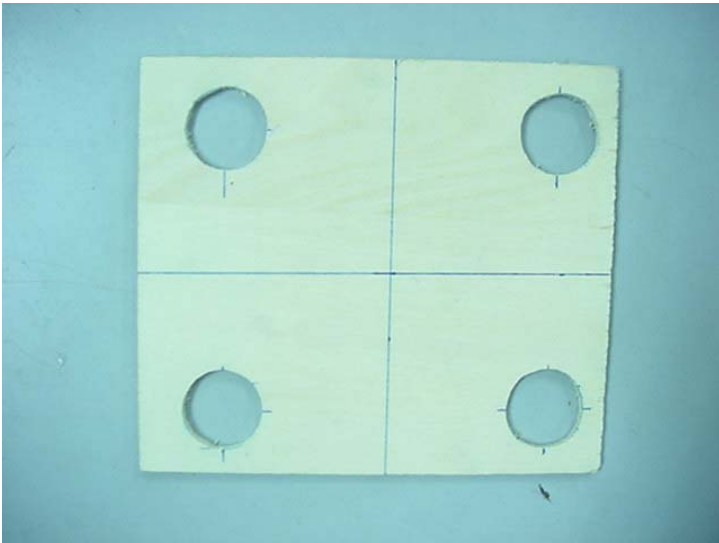
P33



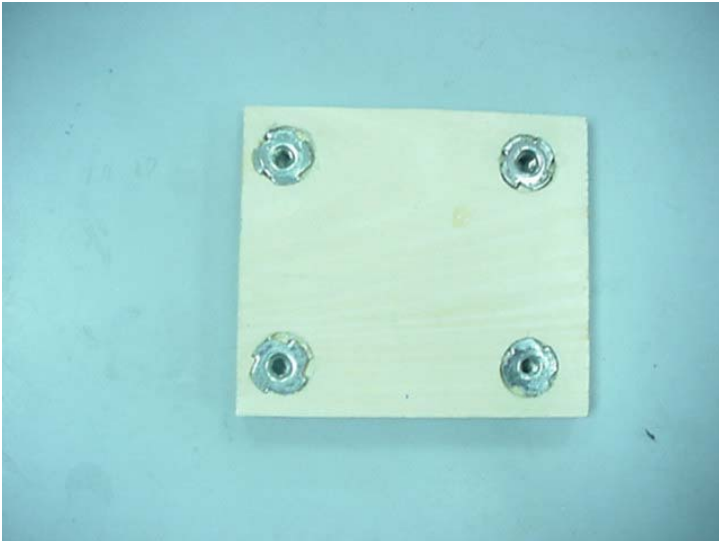
Made sure the motor drive hub have at least 5-6mm gap from the end of cowl.

SEE P33

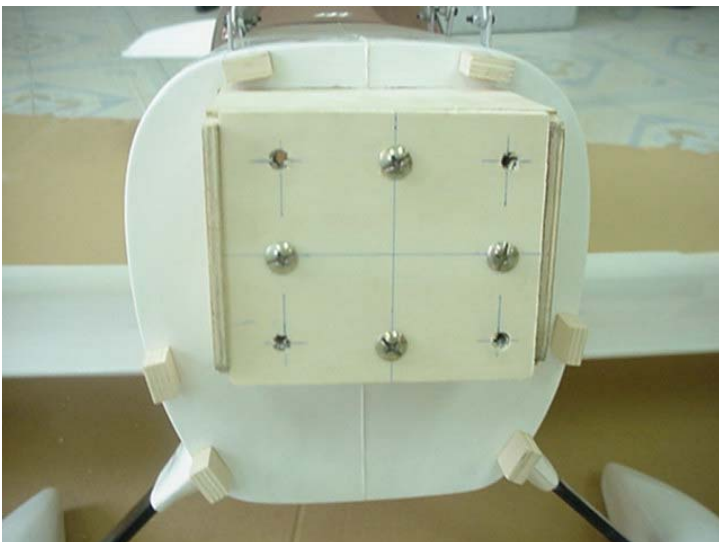
P34



P35



P36



If your motor are shorter .
Use a ply spacer as our recommended.

All parts Supply from separately

SEE P34-36

P37



Install Rudder and Elevator control horn.
Install Elevator two servo in both Fus.side.
And a Rudder servo in right Fus. side.

SEE P37

Parts need:

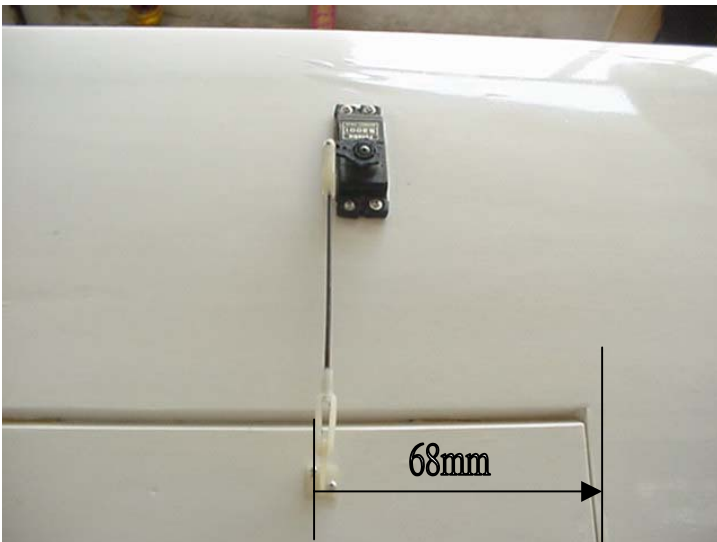
Heavy duty servo X 3

Heavy duty control horn X 3

Heavy duty control linkage X 3

All supply from separately.

P38



I Install Ailerons control horn close hinge line.

Install two Aileron servo in both low wing panel.

SEE P38

Parts need:

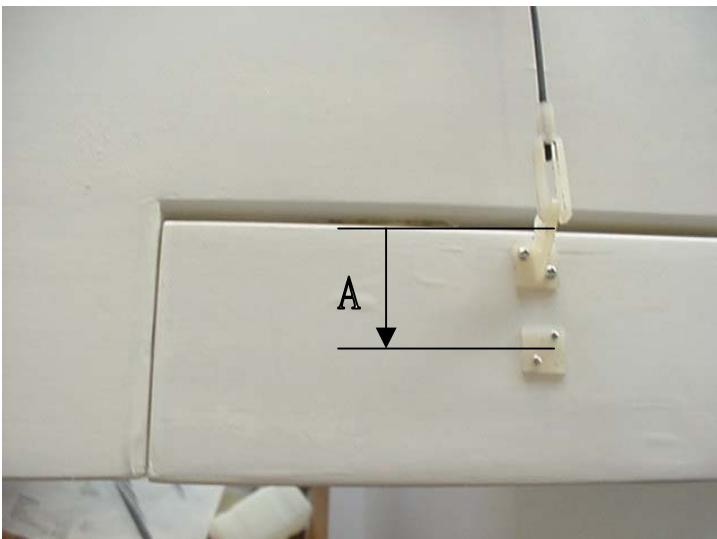
Heavy duty servo X 2

Heavy duty control horn X 2

Heavy duty control linkage X 2 (3mm)

All supply from separately.

P39



Install the corresponding control horn to mid of low wing Ailerons upper side.

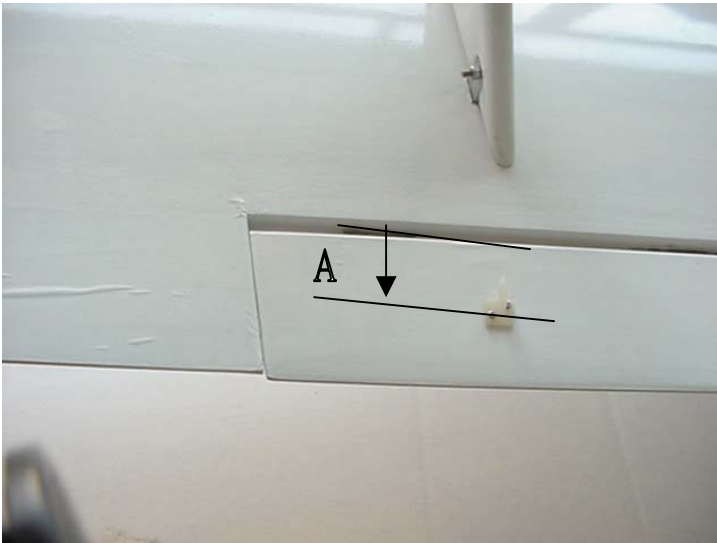
SEE P39

Heavy duty control horn X 2

Heavy duty control linkage X 2 (3mm)

All supply from separately.

P40



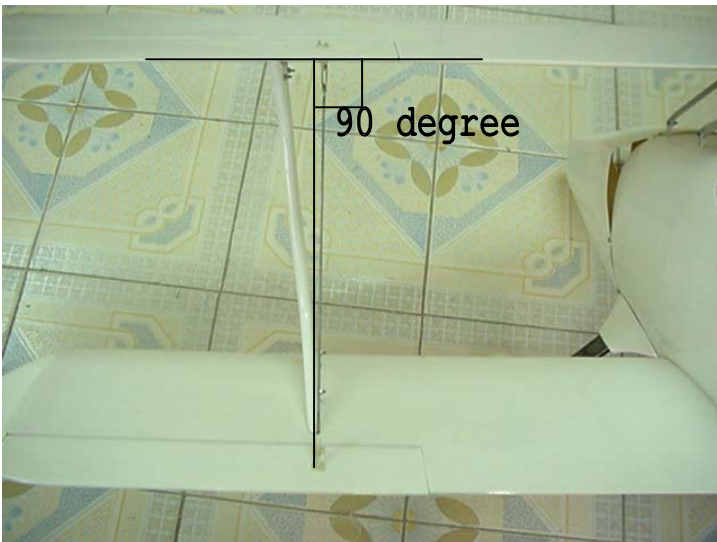
Install the corresponding control horn to mid of top wing Ailerons under side.
Made sure all control corresponding control horn are same distance from the hinge line.

SEE P40

Heavy duty control horn X 2

All supply from separately.

P41



Made sure the corresponding linkage of top and low wing Ailerons are vertical with wing panel.

SEE P41

P42



Install the landing gear fairing to each log of landing gear.

SEE P42.

Parts need:

F132 X 2

F133 X 2

P43



Place the landing gear on the bottom of Fus.
Then glue the fairing and landing gear in piece with Epoxy.

SEE P43

P44



Made sure the fairing and Fus. have at least 1mm gap all around .

SEE P44

P45



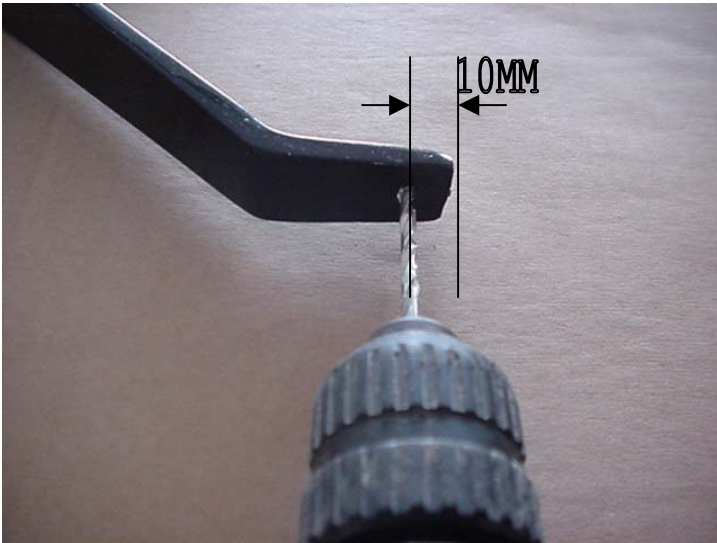
Install the ply wood inside the wheel pants.
Glue them in piece with Epoxy.

SEE P45

Parts needed:

F121 X 2

P46



Drill a 4mm hole to log end of landing gear.

SEE P46

Notice:

If you use wheel axle are different size,
please drill the hole as your wheel axle.

P47



Follow the landing gear to drill the pants.

SEE P47

P48



Install the wheel in to wheel pants.

SEE P48

Parts needed:

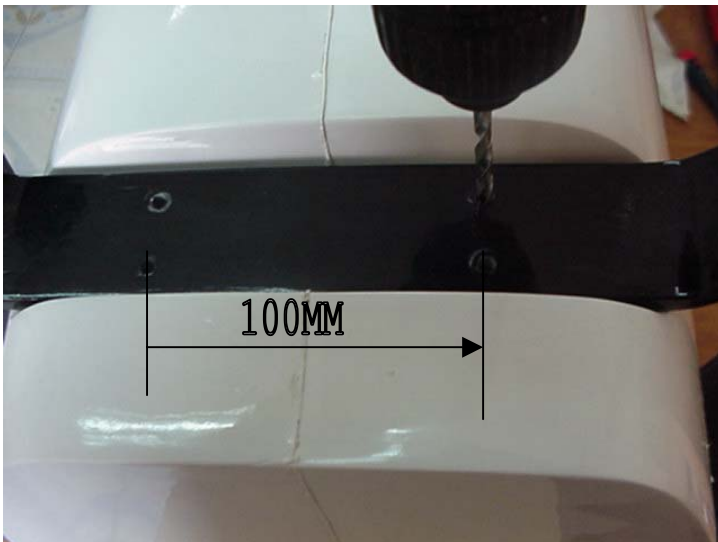
Wheels 3.5in –4in X 2

Wheels axle bolt and nut X 2 set

TP. screw for fix the pants 3 X 12mm X 2pcs

All supply from separately.

P49



Drill four 3 or 4mm hole from landing gear to landing gear site.

Then remove landing gear and drill the hole bigger again.

Install four blind nut from inside Fus.

SEE P49

Parts needed:

Blind nut 3 or 4 mm X 4Pcs.

All supply from separately.

P50



Install the landing gear with four 3 or 4 X 20mm screw.

SEE P50

Parts needed:

Screw 3 or 4mm X 20 X 4 pcs.

All supply from separately.

P51

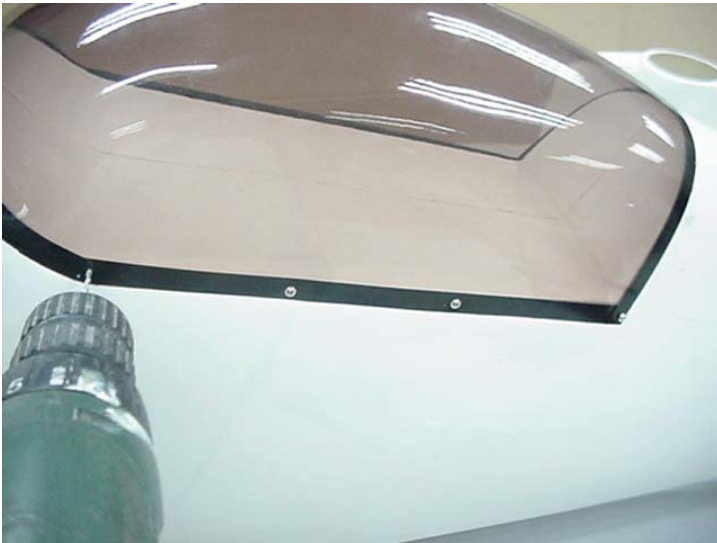


Mark the cut line with marking tape.

Then trim the canopy fit to Fus.

SEE P51

P52



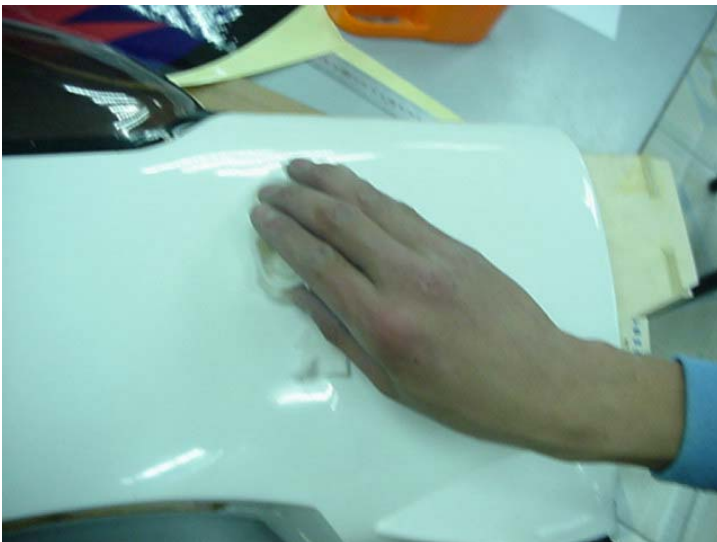
Drill eight 1mm hole around the canopy.
Fix the canopy with TP.screw 2 X 10 X
8PCS.

SEE P52

Parts needed:

TP. screw 2 X 10 X 8pcs

P53



Get some bath foam water on the surface
that you ready to put the sticker on.

SEE P53

P54



Put the sticker on the wing and fus. very
carefully .

The sticker should over loop to LE. of
wing.

You need to cut on the TE. Of all control
surface and stick the it on all LE. of control
surface.

SEE P54

P55



The sticker should a bit inside the fus. on low wing.

SEE P55

P56



The sticker should cover to other side at the center of Top wing.

SEE P56

P57



Put sticker on the tail surface.

SEE P57

P58



The sticker on cowl must match to Fus.
very carefully.

SEE P58

P59



Install the servo tray with F116,F135 and
F135A .
Glue all three ply wood to fus. with Epoxy.

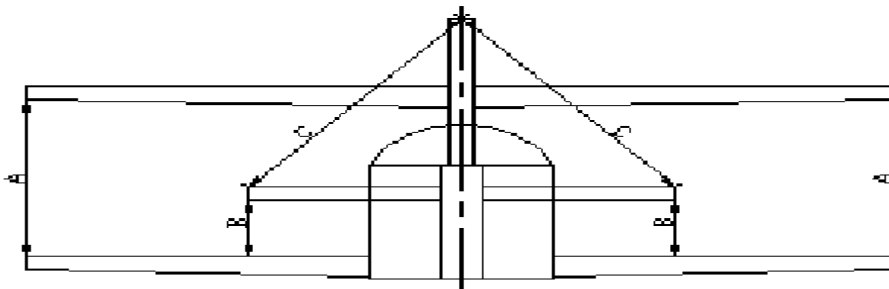
Parts needed:

F116

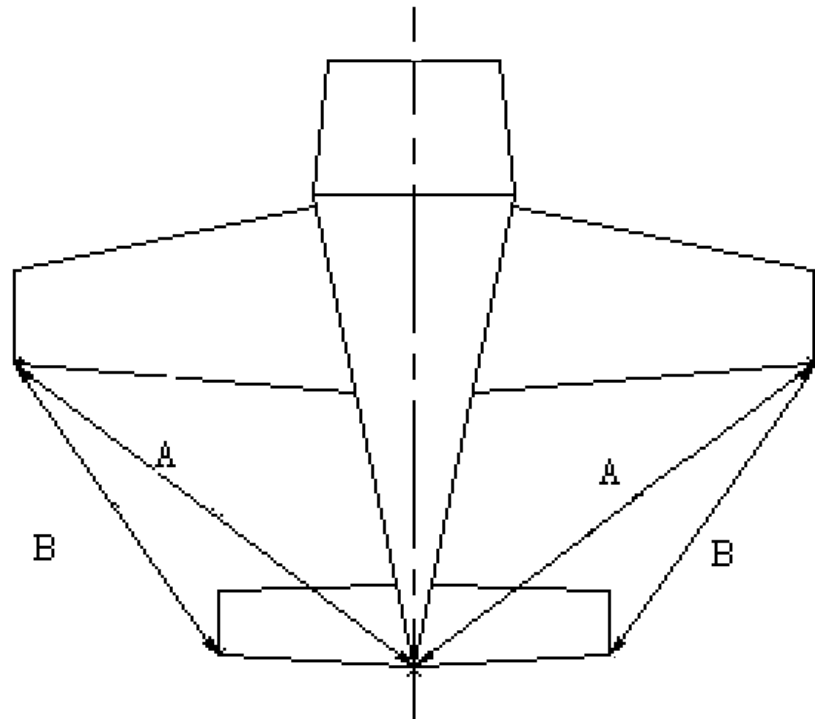
F135

F135A

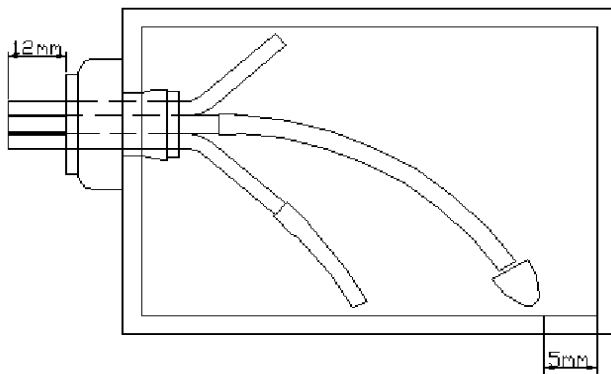
P60



P61



P63



Important notice:
If you use Gas motor.
You must use a fuel tank that for
Gas only.

SPECIFICATION	A008	CHRISTRN EAGLE	
CODE	A008	ITEM	
TOP WING SPAN	1740MM	ENGINES CLASS	30-40CC GLOW
LOW WING SPAN	1660MM		40-50CC GAS
TOTAL WING AERA	89dm ² /	RTF. WEIGHT	6.8-7.5 Kg
FUS. LENGTH	1190 mm	CENTER OF GRAVITY	LE. OF LOW WING
TOTAL LENGTH	1570 mm	LOW WING INCIDENCE	0 °
		TOP WING INCIDENCE	0 °
RUDDER AREA	2.96 dm ²	LOW WING DIHEDRAL	1.5 °
		TOP WING DIHEDRAL	0 °
STAB.AREA	7.39 dm ²	STAB. INCIDENCE	0 °
ELEVATOR AREA	4.51 dm ²	RIGHT THRUST	2 °
AIRFOIL TOP WING	15% Symmetrical	DOWN THRUST	0 °
AIRFOIL LOW WING	13% Symmetrical	ENGINE OFFSET	6 MM
	CONTRL THROWS		
AILERON	LOW RATE	HIGH RATE	
	UP DOWN	UP DOWN	
	12Degree 12Degree	20Degree 20Degree	
Elevator	15Degree 15Degree	25Degree 25Degree	
Rudder	25degree 25Degree	35degree 35Degree	

PARTS LIST **A008**

CODE	DESCRIPTION	DIM.	QUT'Y	REMARK
F116	SERVO TRAY	122X81X3	1PCS	PLY
F103	STICK FOR SERVO TRAY	10X10X81	2PCS	H.WOOD
F121	PLY FOR WHEEL PANTS	30X30X6	2PCS	PLY
F129	PLY FOR WING FAIRING	25X25X3	4PCS	PLY
F105	PLY BLOCK FOR COWL	20X20X12	6PCS	PLY
F106	BALSA BLOCK FOR COWL	83X16X5	1PCS	BALSA
F106A	BALSA BLOCK FOR COWL	50X16X5	2PCS	BALSA
F132	BALSA FOR LAND GEAR FAIRING	40X40X10	2PCS	BALSA
F133	BALSA FOR LAND GEAR FAIRING	40X40X8	2PCS	BALSA
F135	SERVO TRAY	216X189X3	1PCS	PLY
F135A	SERVO TRAY	211X185X3	1PCS	PLY
F136	TOP WING DIHEDRAL BRACE	6X25.5X196.5	1PCS	PLY
F137	LOW WING DIHEDRAL BRACE	6X184X20	1PCS	PLY
M114	TOP WING STRUT	46.5X12X2	2PCS	ALUM.
M114A	TOP WING STRUT	61.5X12X2	4PCS	ALUM.
M115	TOP WING STRUT	107X12X2	2PCS	ALUM.
M115A	TOP WING STRUT	105X12X2	2PCS	ALUM.
M115B	TOP WING STRUT	127X12X2	2PCS	ALUM.
M116	LOW WING STRUT CONNECTOR	40X11X2	8PCS	ALUM.
M117	WASHER FOR WING BOLT	4X10	4PCS	STEEL
M117A	WING BOLT	M4X50	4PCS	STEEL
M18	BLIND NUT FOR WING BOLT	M4	4PCS	STEEL
M18A	TOP WING STRUT BOLT	M3X20	2PCS	STEEL
M19	WASHER	3X10	16PCS	STEEL
M19A	BOLT FOR WING STRUT	M3X12	14PCS	STEEL
M20	LOCK NUT FOR WING STRUT	M3	16PCS	STEEL
M120	TP. SCREW FOR COWL	M3X10	6PCS	STEEL
M121	TP. SCREW FOR CANOPY	M2X10	8PCS	STEEL