Feat ur e:

- EPO Flex Foam
- High Scale Mechanical Folding Wings
- Excellent Performance and Stability!
- Working 2-Stage(best for performance) / 3-Stage(full-scale plane) Flaps
- Super High Scale and Details
- Working High-Scale Navigation Lights
- Durable Metal Retracts

F4U CORSAIR

Instruction Manual

1.2m Wingspan

www.skyflighthobby.com

SKY FLIGHT HOBBY

Warning:

A R/C model airplane is not a toy and is not intended for use by children without direct adult supervision. It is not suitable for children under 14 years. It is essential to read and follow all the instructions and warnings carefully in the manual prior to assembly, setup or use, in order to operate correctly, avoid damage to the product, personal property and cause serious injury. If you are a beginner, it is recommended to seek experienced assistant.

As the user of this product, you are solely responsible for operating in a manner that does not endanger yourself and others or result in damage to the product or the property of others.

Meaning of the icons.

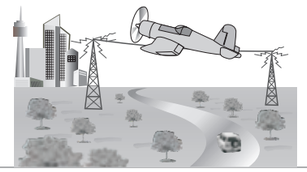
⚠ ● WARNING! : this symbol indicates where caution is essential to avoid injury to yourself or others .

⊘ ● PROHIBITED: this symbol points out actions that you should not do to avoid possible damage or accidents.

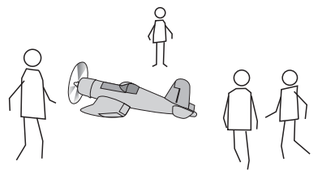
Safety instructions

1.Do not fly in thunderstorm, strong winds or bad weather.

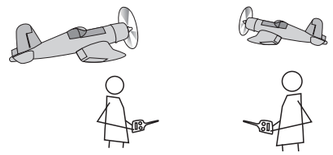
2 .Never fly the Model where are crowds of power lines overhead , automobiles or near highways , subways.



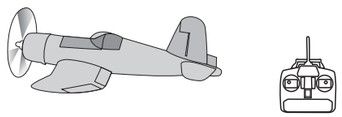
3 .Never fly the Model where are crowds of people. Give yourself plenty of room flying , as the plane can travel at a high rate of speed . Remember you are responsible for the safety of others.



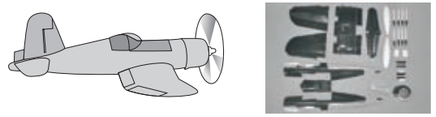
4. Do not fly in where the same frequency model plane is flying nearby.



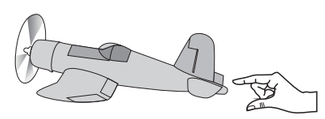
5 . Make sure that the model as well as the control system is in the good state before the plane takes off.



6.Only use genuine accessories as replacmente for damaged parts.



7.Do not attempt to catch the model while flying.



8.Not recommended for children under 14years old, Children under 14 years old should only operate this model under the guidance of a responsible adult.

9. Do not store this model in a high-temperature or humidity area or in direct sunlight.

10.Always use fully charged batteries.
11.Never touch moving parts.
12.Always remove batteries after use.
13.Always remove batteries before disassembly.
14.Never operate your model with low transmitter batteries.
15.Always carefully follow the directions and warnings for this and any optional support equipment (chargers,rechargeable battery packs, etc.)
16.Always keep all chemicals, small parts and anything electrical out of the reach of children.

- In order to fly the F-4U, please make sure you read through the instructions carefully before attempting to operate the model for the first time.
- If you have any questions in regarding to the safe operation, or possible precautions please call your local hobby shop for professional advice.
- Radio-controlled models are sophisticated hobby products. They must be operated with caution and common sense and requires some basic mechanical ability. Please always keep this instruction manual handy for quick references, even after completing the assembly.

Note: BlitzRCWorks / SHENZHEN LANXIANG MODEL AIRCRAFT CO.,LTD will not take any responsibility for damage or accident caused by the improper use of this model.

Instruction for transmitter

- A Retract control switch
- B Flap control switch
- C Vector SW switch
- D Dual rates servo SW switch
- E Throttle, rudder rocker
- F Elevator aileron rocker
- G Mode 1/2 SW switch
- H Mixed control switch

SW-A (Function switching over 1, 2 mode)
SW-B (CH7,CH8,CH9 channel switching over);
SW-C (CH1,CH2 channel mixed control / unmixed control switching over SW)
SW-A ON.SW-B ON. SW-C MIXED, turn on radio system:CH1 and CH2 mixed control, CH7 and CH2 synchronization,CH9 and CH1 synchronization, CH8 and CH4 synchronization; when the radio system power is turning on, SW-A switching over invalid, when SW-B OFF, CH7,8,9 on center. SW-A ON. SW-B OFF, SW-C MIXED,turn on radio system:CH7, CH8,CH9 autonomous working,CH1 and CH2 mixed control ; when the radio system power is turning on: SW-A switching over invalid,SW-B switching over invalid.
SW-A ON, SW-B ON, SW-C MIXED, turn on the radio system:CH1 and CH2 mixed,CH7 and CH2 synchronize (CH7 and CH1 unmixed control), CH8 and CH4 synchronization ; when the radio system power is turning on:SW-A switching over invalid, SW-B switching over invalid.
SW-A OFF, SW-B OFF, SW-C MIXED,turn on the radio system: CH1 and CH2 mixed,CH7, CH8, CH9 autonomous working; when the radio system is turning on:SW-A switching over invalid,SW-B switchingover invalid.

Pictures for receiver connection

CH12:	Color smoke
CH11:	Pilot ejection
CH10:	Parachute
CH9:	Vector 3(Up and Down)
CH8:	Vector 1(Left and Right)
CH7:	Vector2(Up and Down)
CH6:	Flap
CH5:	Retracts
CH4:	Rudder
CH3:	Throttle
CH2:	Elevator
CH1:	Aileron

Frequency method for remote control

1.Open the back cover of the remote control,mounted on the 8 pieces AA batteries.

2.Press the button on the receiver,then plug the power of receiver(to the receiver supply voltage is 5V), after plugging in the power and release the button, then the receiver's LED flashes,Then open the remote control switch, when the remote control is turned on the LED will light up after flashing quickly about 2 seconds.the LED on the receiver lights up means frequency matches up successfully.

3.If the LED on the receiver is still flashing then repeat the steps above.

4.The steps of using the remote control properly: first,the throttle stick to the lowest, and then turn on the remote control, and then the middle LED on the remote control will flash, then connect to the receiver power till the LED lights up.

5.Remote control of the factory has been fixed the frequency, and do not need todo it again. if you encounter the LED on the receiver is flashing, check whether theremote control is turned on or not (you can check the middle LED on the remotecontrol is lighted up or not). if not turning on the remote control, LED on the receiver will flashes as well. and if the remote control has been turned on and still not working then try to fix the frequency again.

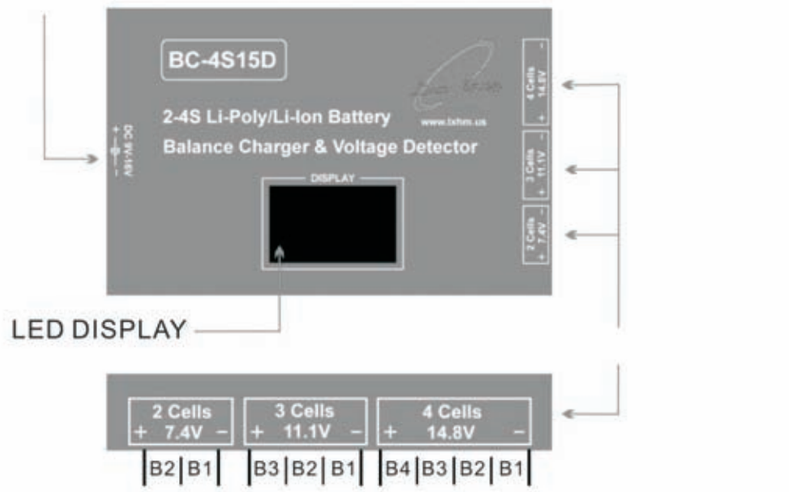
6.There are 3 LED on the remote control is used to identify the remote voltage is normal or not . the green one in the middle lights up long time means the voltage isnormal; the green one in the middle lights up long time and red ones on both sides flash means the voltage is too low and please replace the battery or charge the battery.

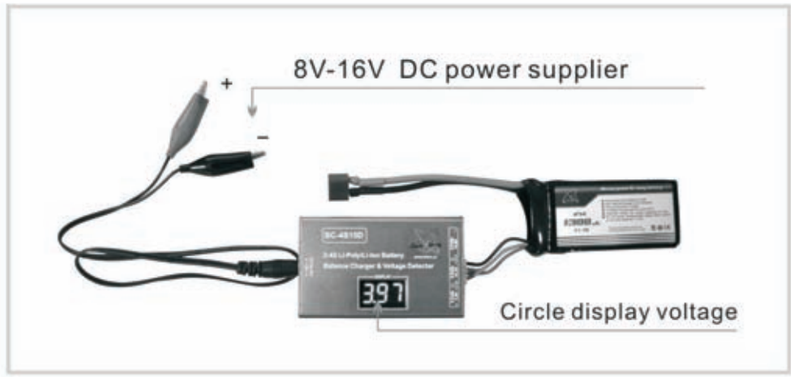
4 Cells Li-Ion/Li-Poly Balance Charger (Voltage Display Combo)

Specifications

Operating Voltage Range:9V-16V DC
Operating Temperature:-20 -45℃
Cells Type Supported:2-4 cells Li- Ion/Li-Poly
Input Power Request : recommend ⩾ 30W
Max Charge Power : 25W
Charge Current : 1500mA
Charge Accuracy : ±10mV
Balance Current:1000mA
Display Accuracy : ±10mV
Weight : 76g
Dimensions : 81*50*20mm (L*W*H)

Device Views





WARNING

⚠ Make sure your adaptor has enough power for charging (⩾30W is recommend)
⚠ The range of input voltage is 9V-16V DC
⚠ This charger is designed for Li-ion/Li-poly battery only
⚠ Do not connect more than two balance lead socket at any time.

Start and stop charging

After power on, the charger will emit a beep and display; [---]
Plug-in the battery, the charger will beep twice to launch charging.
The voltage of each cell will be displayed on the LED screen by turns;

[ALL] → [12.6] → [b-1] → [4.20] → ···· → [b-4] → [4.20]

The charger will automatically stop when the battery is full, [FUL]
Will flash with the beep every 5 seconds to indicate the status.

Voltage display

Connect the balance lead socket only, the voltage of each cell will display on the screen by turns.

[ALL] → [12.6] → [b-1] → [4.20] → ···· → [b-4] → [4.20]

Error Codes

If charger detected error, charging will stop. Display shows error code, and the buzzer alarms. Reconnect adaptor to restore the charger.

[Er0]···[Er8] Self-safety-check can not pass

[Er2] The input voltage or power is out of range

[Er9] One or more cells of the battery is bad

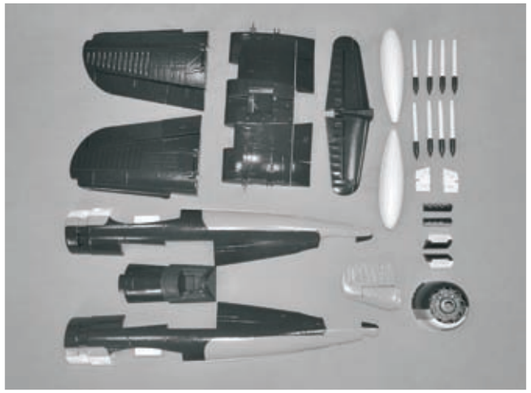
Specification:
Length: 981mm (38.6")
Wingspan: 1200mm (47.2")
Propeller Diameter:12×6
Flying Weight:2360g
Thrust: ⩾2600g

RTF (Ready To Fly) Package Includes:
1x12 Channel Radio System
1x50A Brushless ESC (installed)
10x17g Digital Metal Gear Servos (installed)
1x Retract System Set (installed)
2x Folding Wing Mechanism (installed)
1x3748-700KV Outrunner Brushless Motor (installed)
1x4S 25C 2200mAh LiPo Battery

ARF(Almost Ready To Fly) Package Includes:
1x 50A Brushless ESC (installed)
10x 17g Digital Metal Gear Servos (installed)
1x Retract System Set (installed)
2x Folding Wing Mechanism (installed)
1x 3748-700KV Outrunner Brushless Motor (installed)

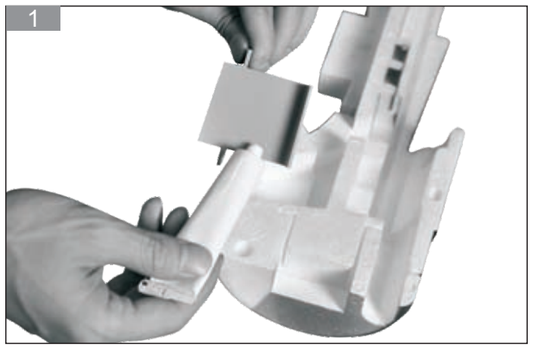
KIT(Airframe Only) Package Includes:
1x Retract System Set
2x Folding Wing Mechanism

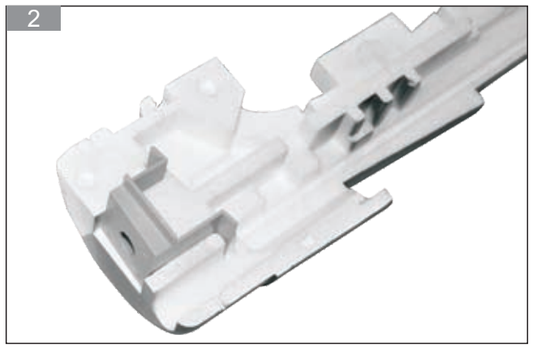
1 General View Schedule.



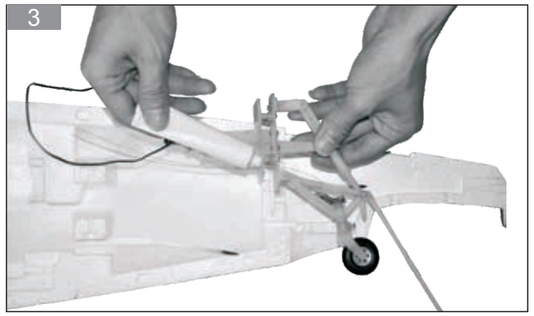
2 Fuselage installation.(1-52)

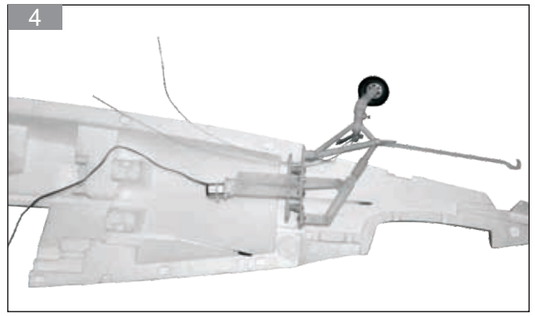
Motor Bracket Installation. (1-2)



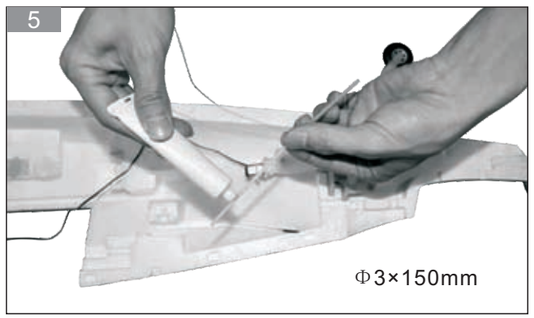


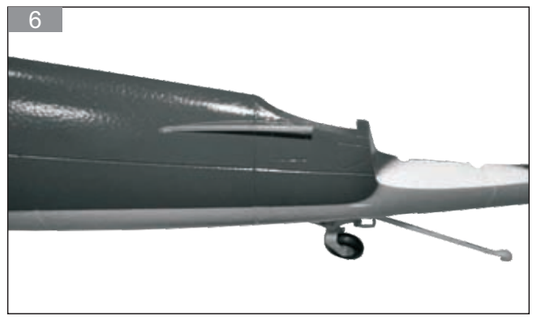
Rear retract installation.(3-4)

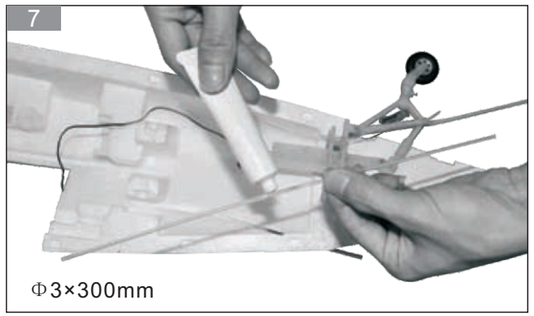


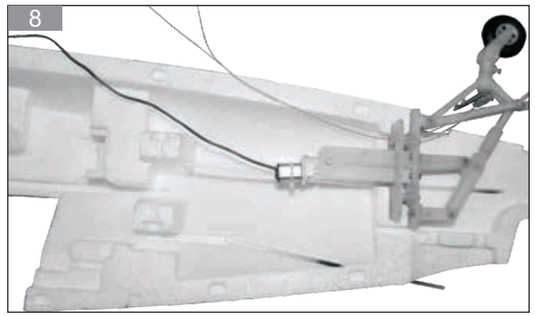


Linkage Tubes Installation.(5-9)

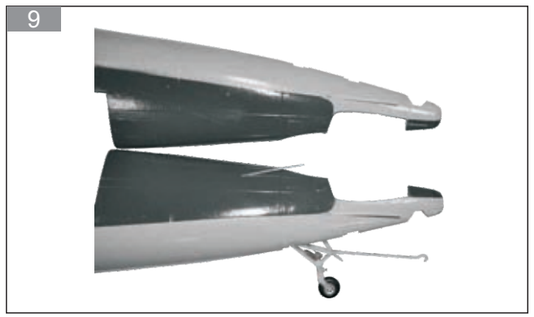


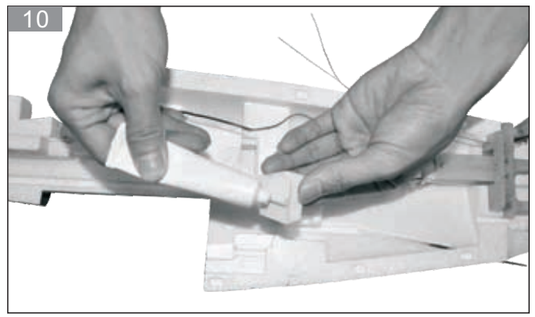




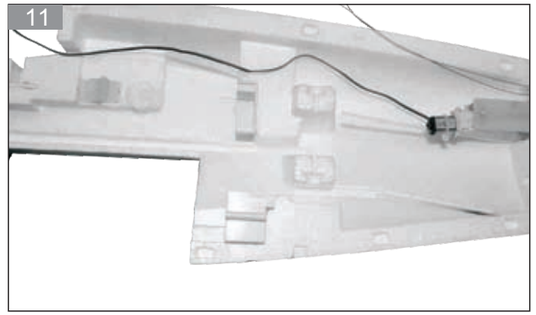


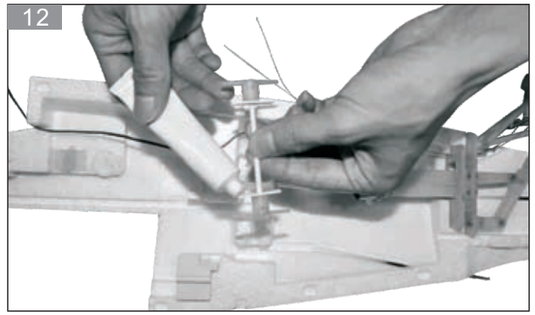
Rudder Servo Installation.(10-11)



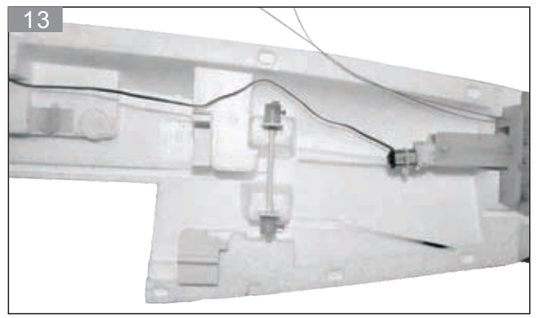


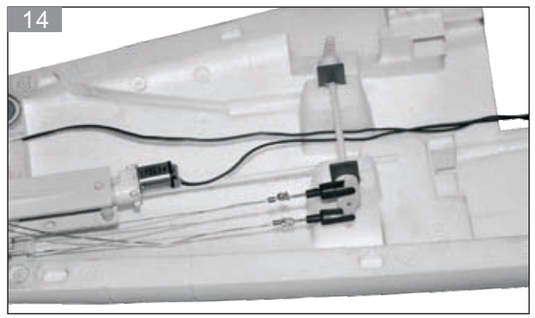
Rear Landing Steering Installation.(12-13)

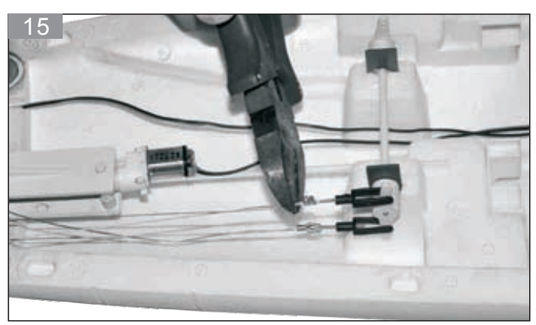


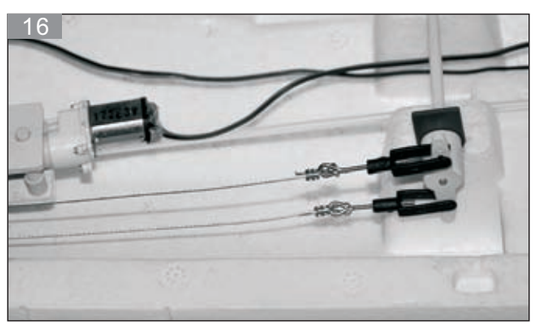


Rudder tiger tail installation.(14-16)

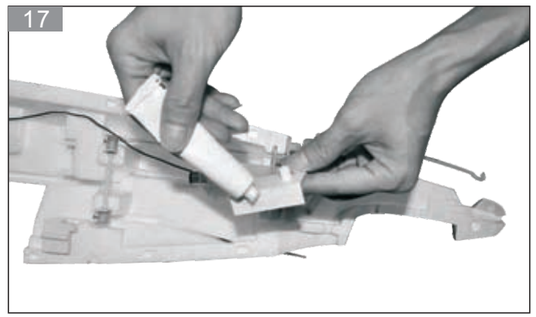


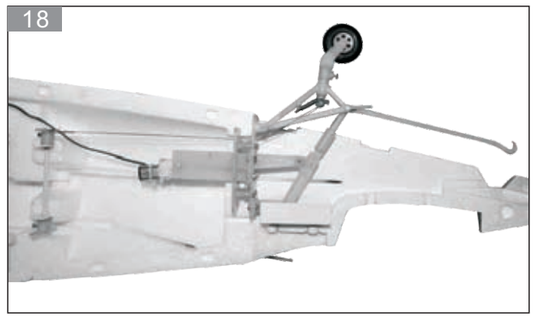






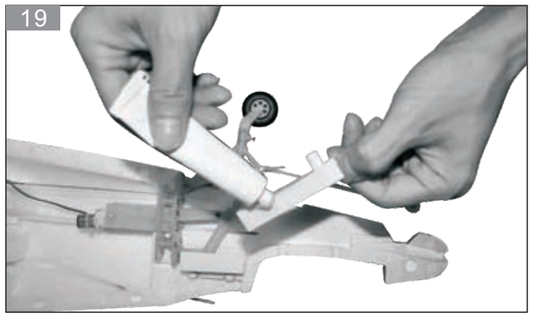
Rudder Bracket Installation.(17-18)





Elevator Bracket Installation.(19-20)

19



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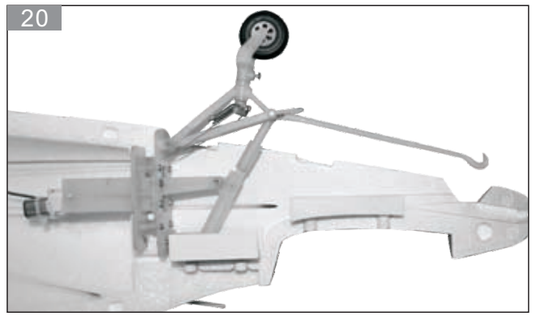
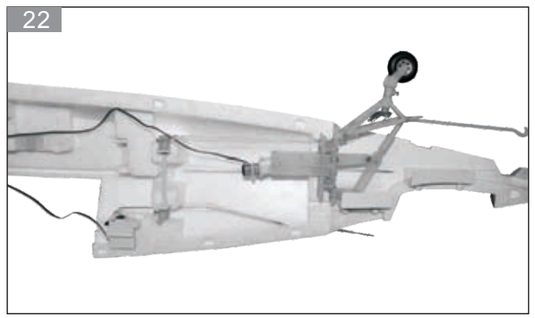


Rudder Servo Installation.(21-25)

21

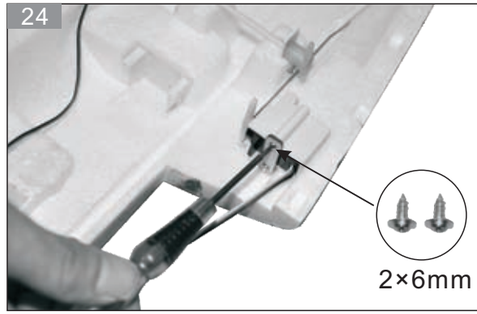
Using Metal Gear Servo With 300mm Length Wire.

22



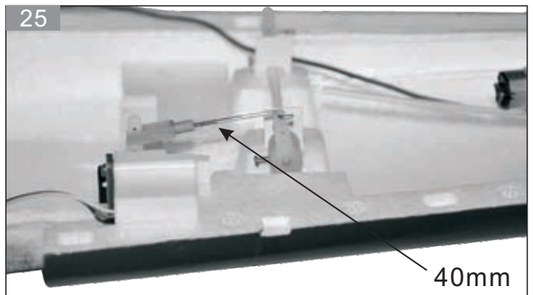
23

24



Elevator Servo Installation.(26-28)

25

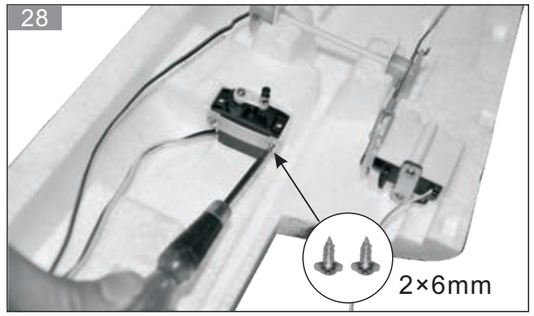


26

Use Metal Gear Servo with 200mm Length Wire.

27

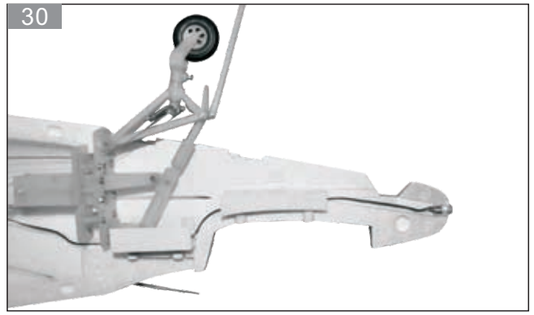
28



Tail LED Light Installation. (29-30)

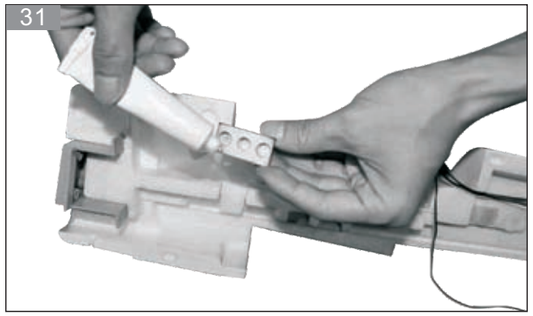
29

30

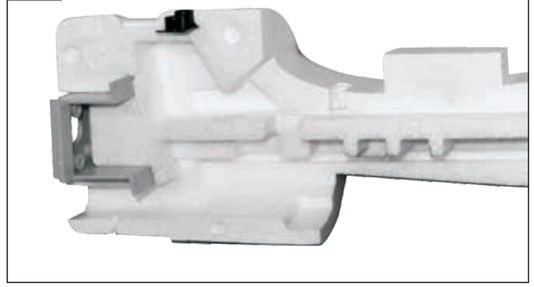


Decorating parts installation.(31-32)

31

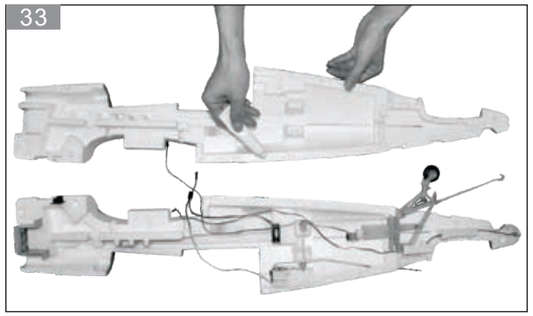


32



Gluing The Fuselage Together.(33-34)

33

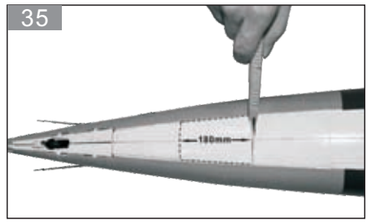


34

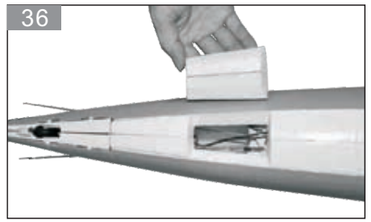
Making the Cover.(35-40)

The cover is for ahjusting the tail wheel and replacing the tail landing gear.

35



36



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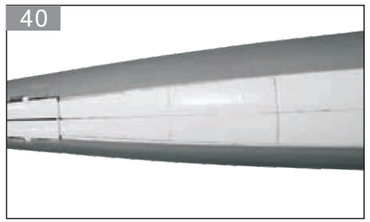
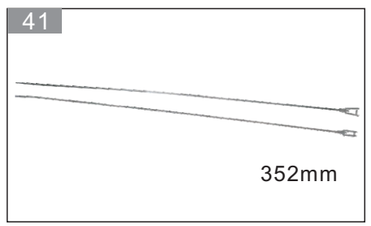
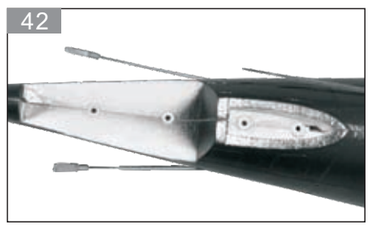


Elevator push rods installation.(41-43)

41



42



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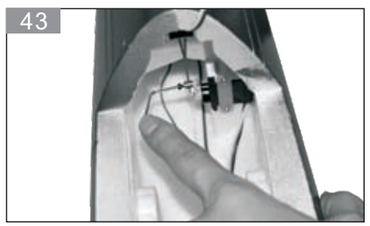
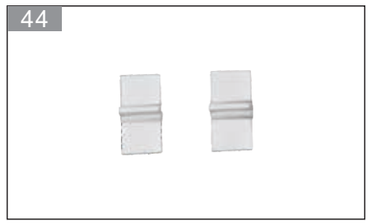


Cowling Installation.(44-46)

44



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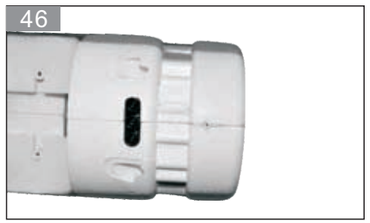
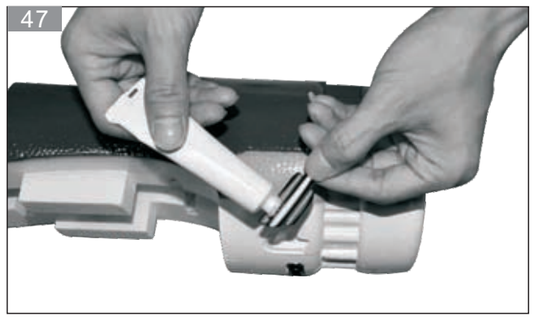
46



Exhaust pipes installation. (47-48)

47



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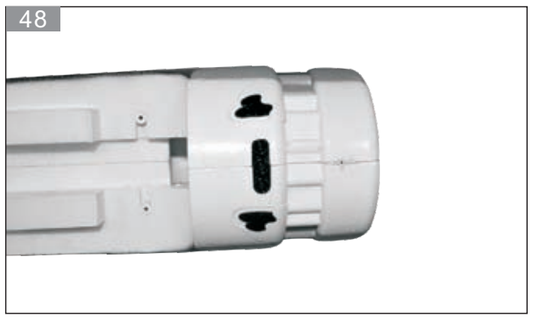
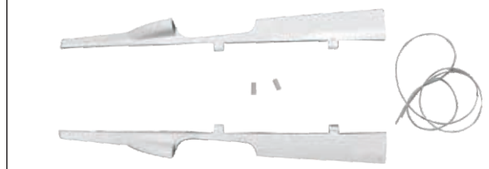


Rear Retract Door Installation.(49-52)

49



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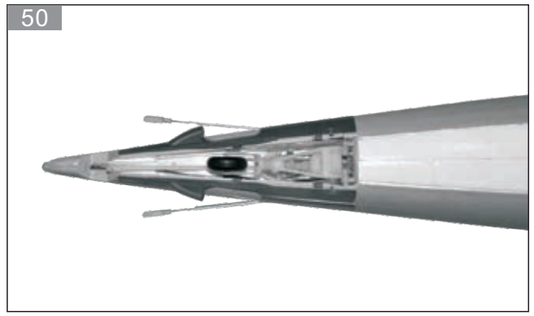

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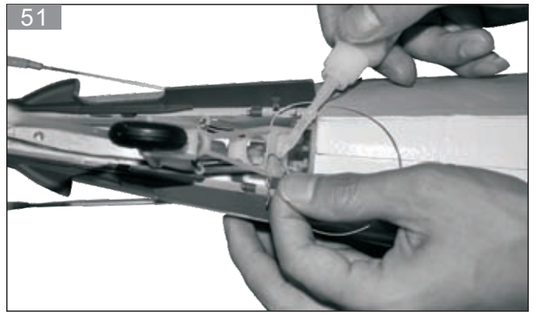
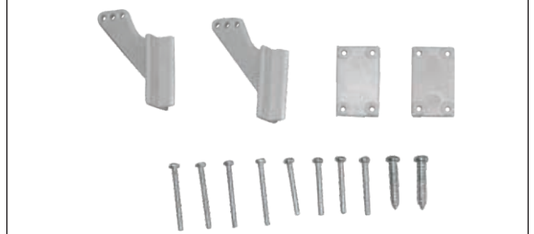


52

3 Elevator Installation.(53-57)

53



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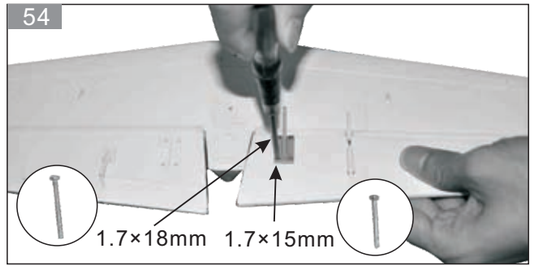
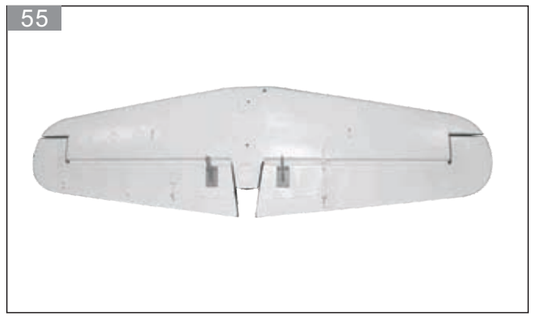


Mount The Horizontal Tail to the Fuselage. (56)

55



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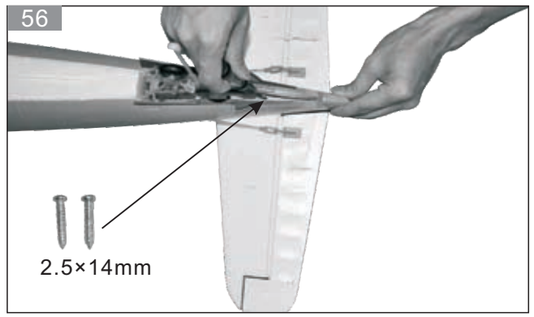
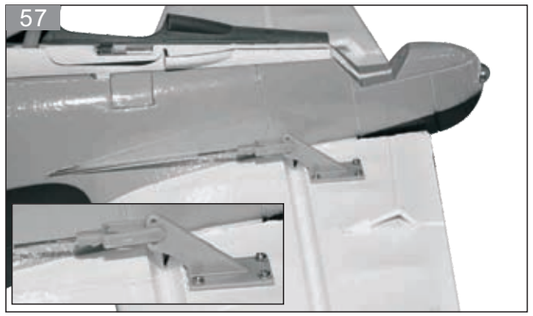


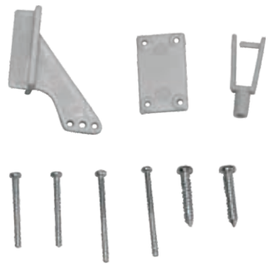
Elevator Control Surface Clevis Installation.(57)

57



4 Rudder Installation.(58-61)

58



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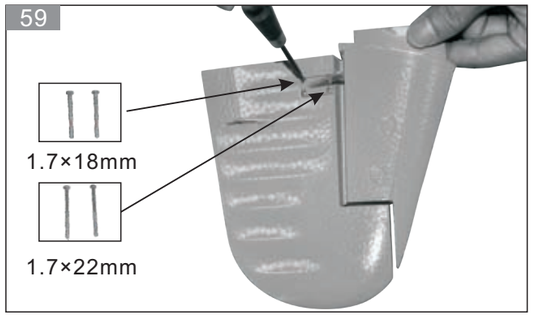

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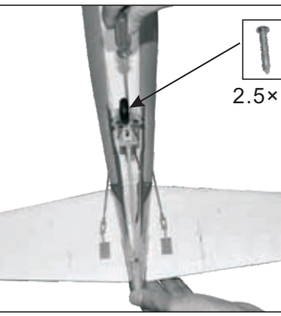
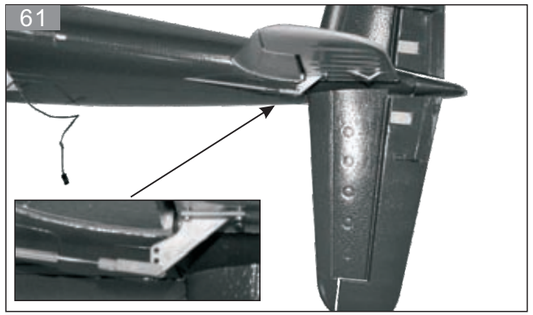


Rudder Control Surface Clevis Installation.(61)

5 Motor Installation.(62-68)

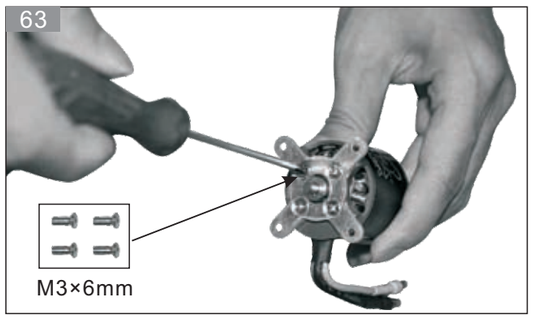
Installing the Motor Mount.(62-64)

61



62

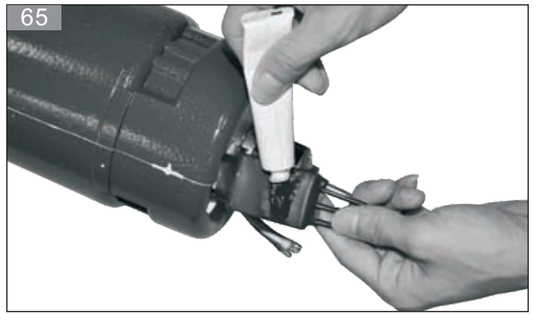
63



64

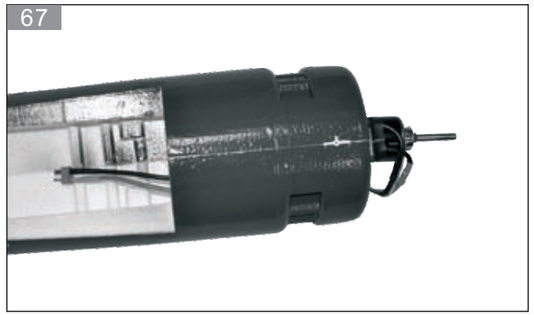
ESC Installation. (65-68)

65



66

67



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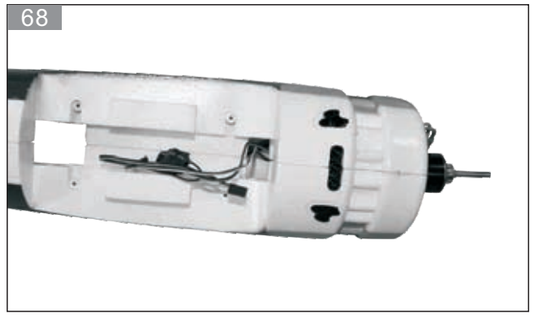
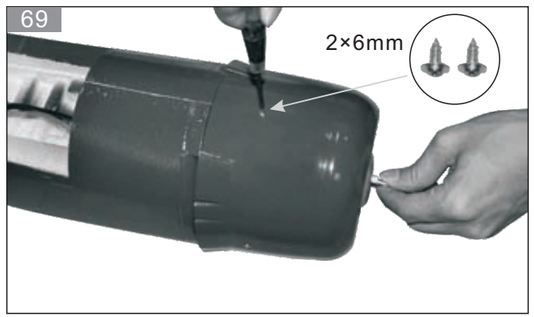


6 Cowling installation.(69)

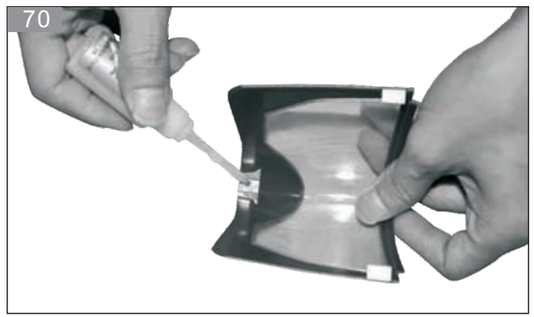
69



7 Cockpit installation.(70-81)

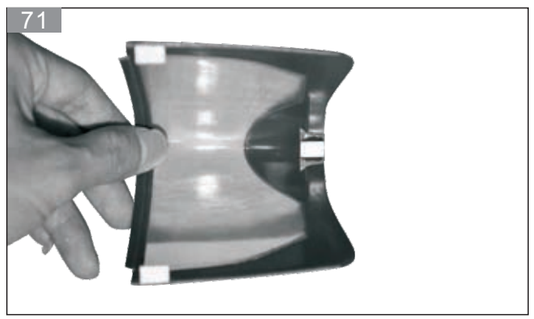
Magnet installation. (70-71)

70



Canopy Magnet Installation. (72-73)

71



72

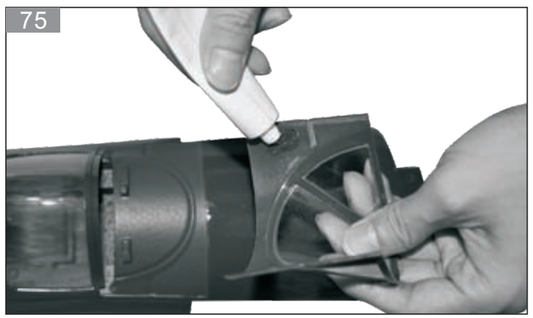
Rear canopy installation.(74)

73

74

Front canopy installation. (75-76)

75

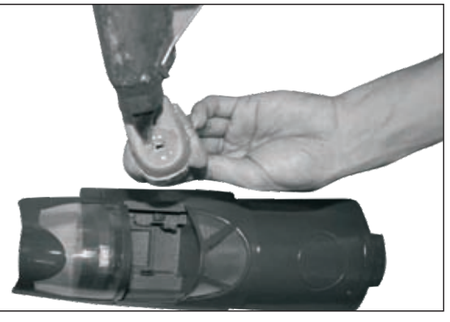


76

Pilot installation. (77-81)

77

78



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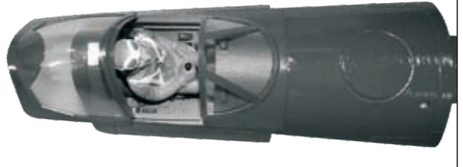


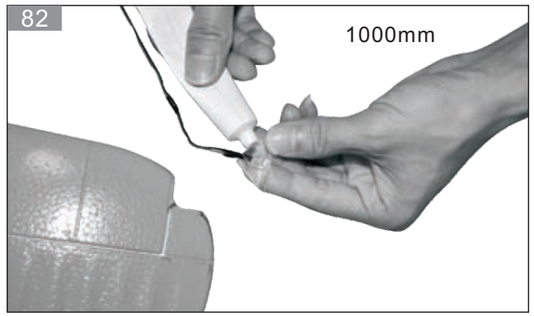
80

8 Main Wing Installation.(82-104)

LED installation.(82-83)

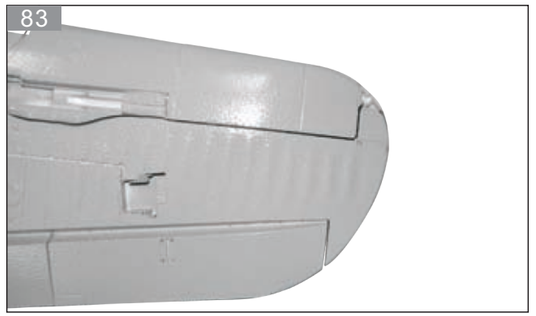
81

82



Folding Wing Drive Installation.(84-85)

83



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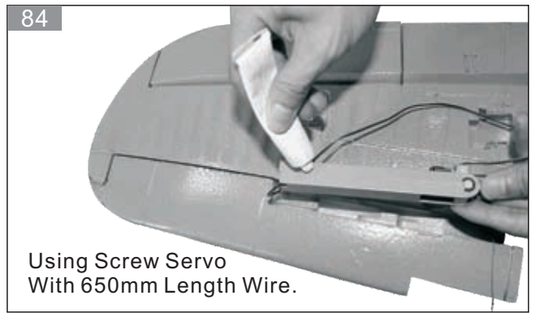
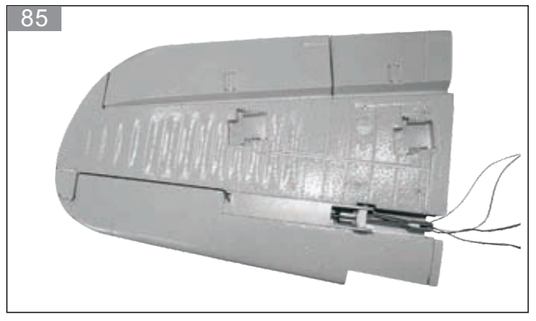
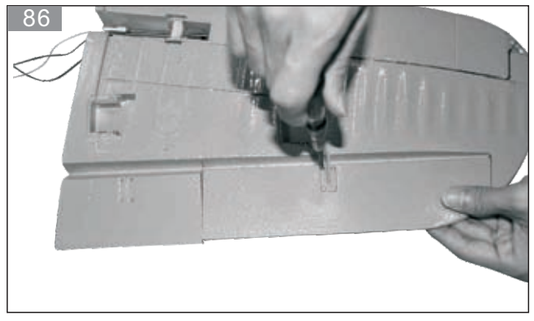


Aileron Horns and Clevis Installation.(86-87)

85

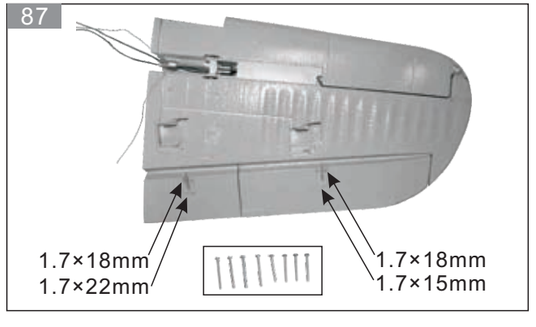


86



Aileron Servo Installation.(88-90)

87



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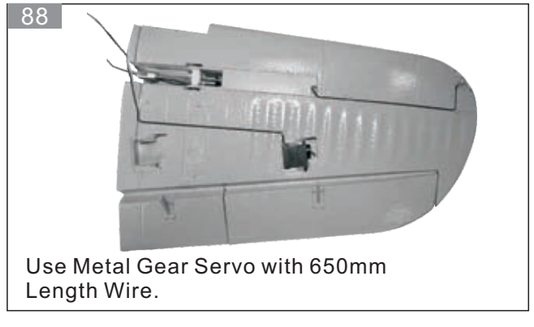
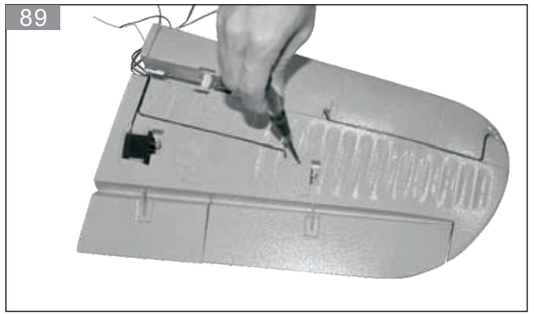
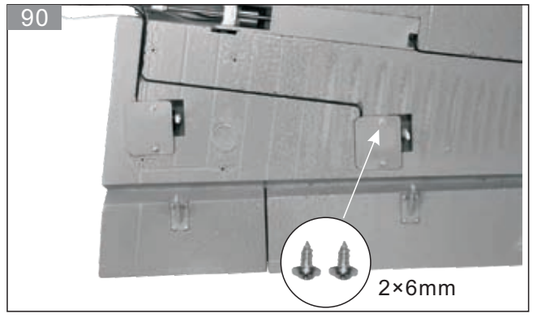
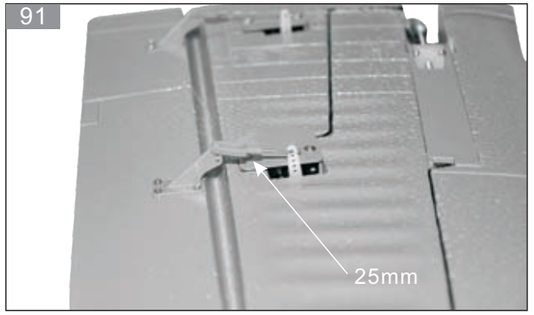
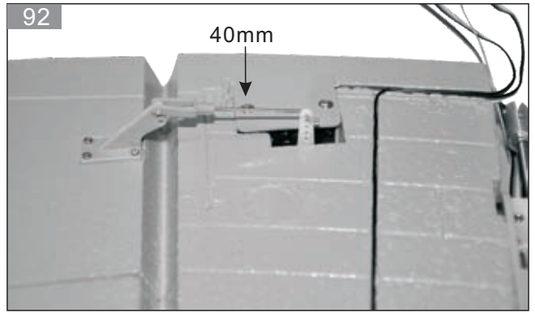




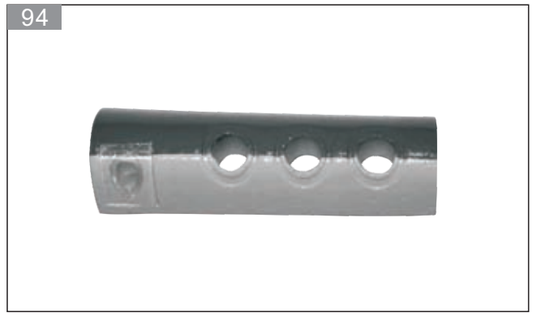


Push rods installation. (91-92)

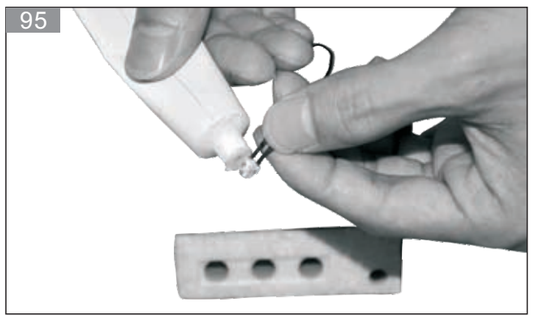


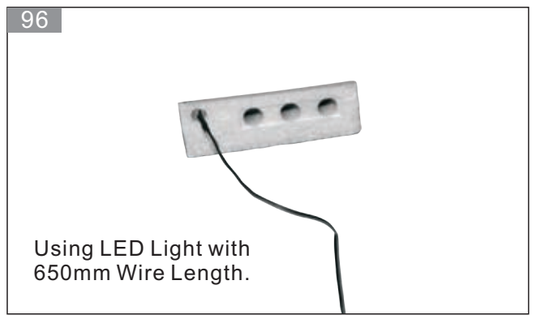


Machine Guns Panel Installation.(93-94)

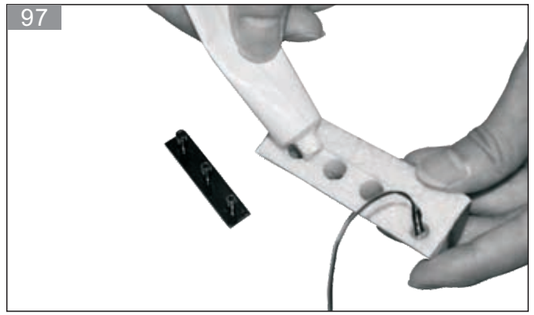


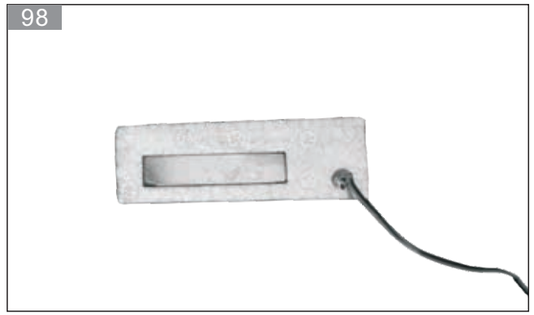
LED Light Installation. (95-96)

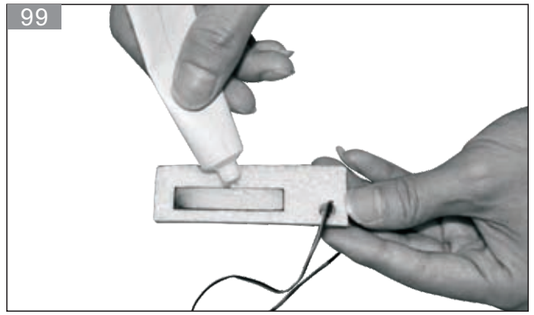


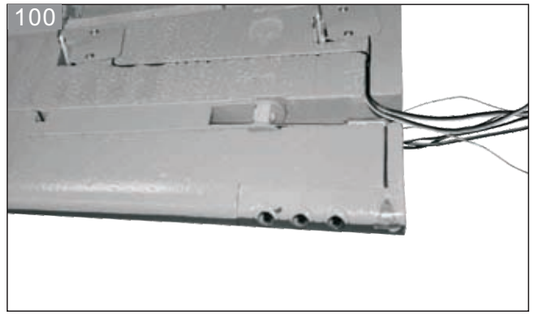


Machine Guns Installation. (97-100)

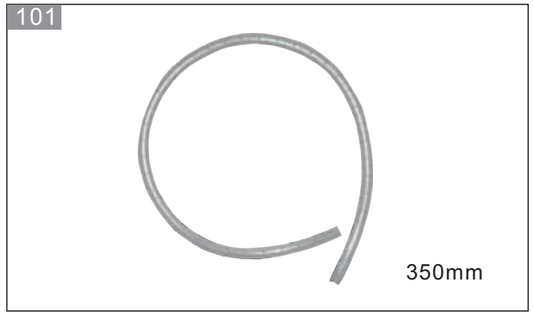


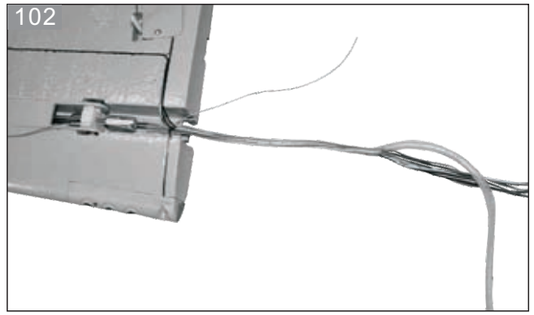


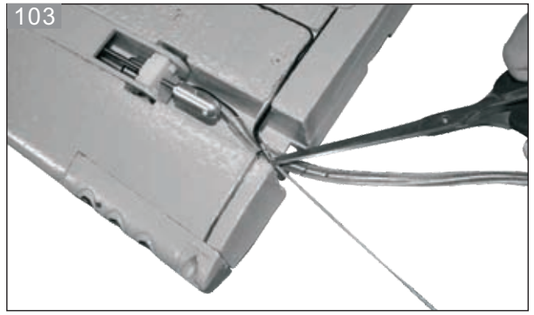


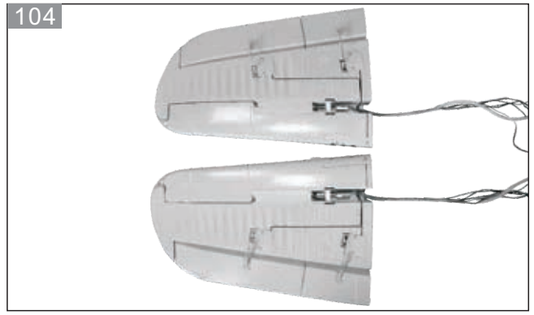


Wire Loom Tube Wiring Instllation.(101-104)



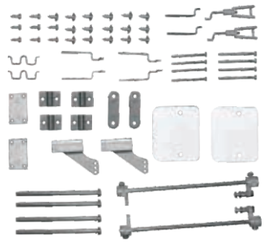




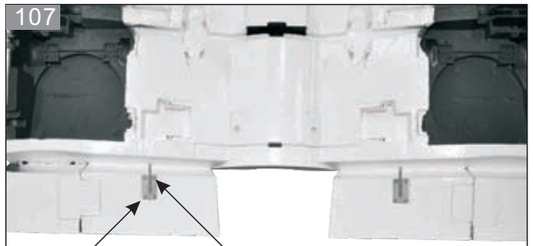


9 Mid-Wing Section Installation.(105-126)

105

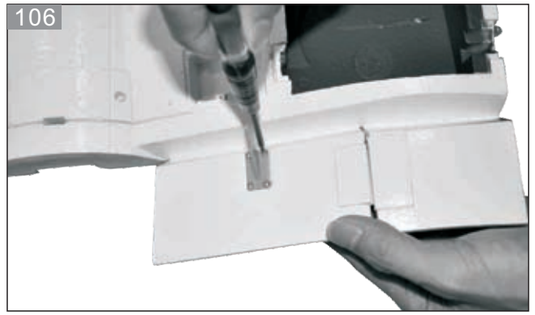


107



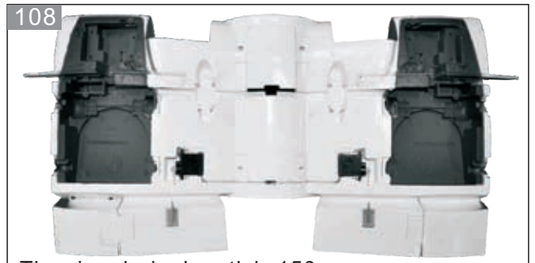
Flaps Instllation. (106-107)

106



Flap servos Installation.(108-109)

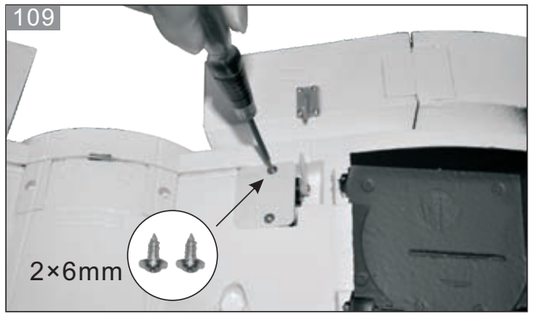
108



The signal wire length is 150mm
(Left is reverse servo).

Flap Push Rods Installation.(110)

109



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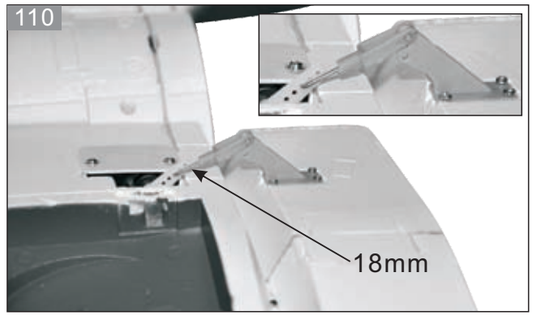
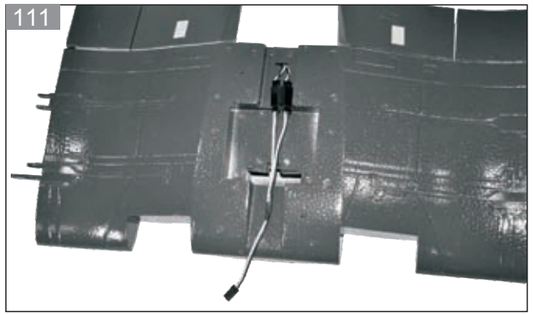


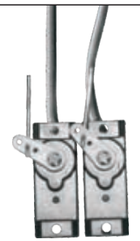
Harness Wire Connection. (111)

Retract Door Servos Installation. (112-115)

111



112

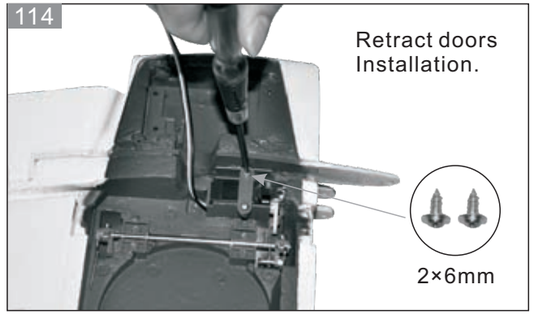


Using 450mm Length Wire Servo.

113

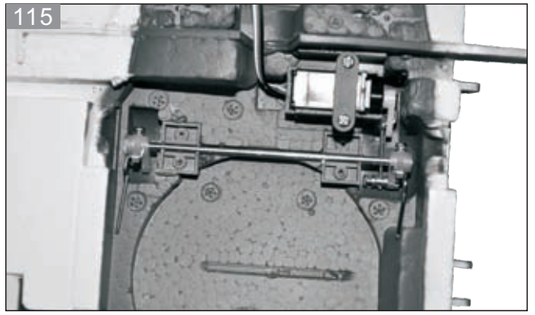
Installing the retract door push rods.

114

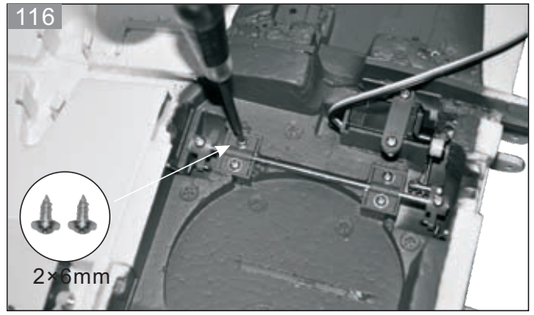


Installing the door push rods.(116-121)

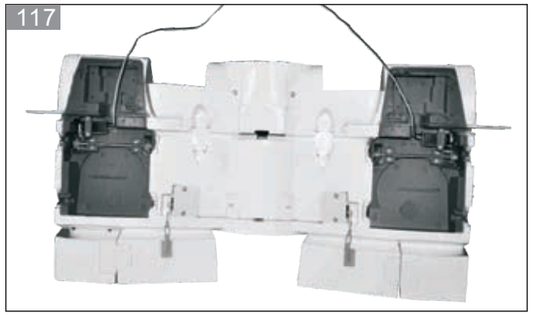
115



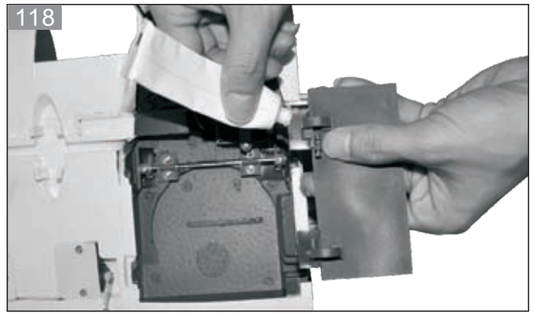
116



117



118



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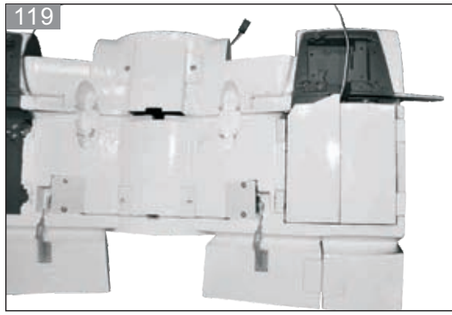
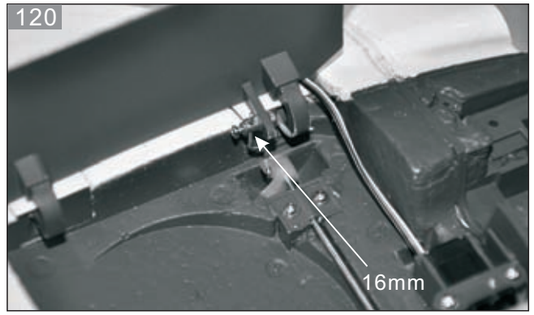
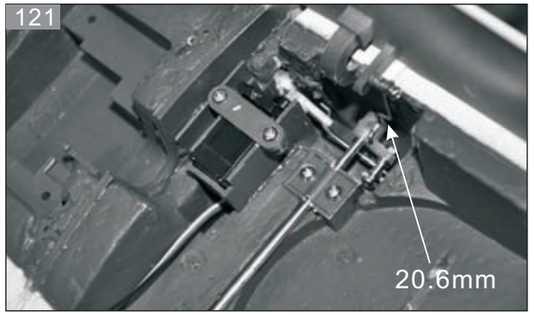


120

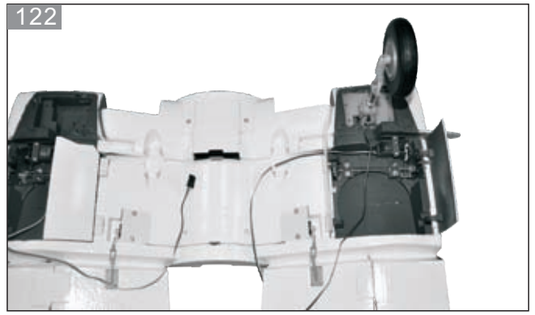


Main retract installation.(122-123)

121

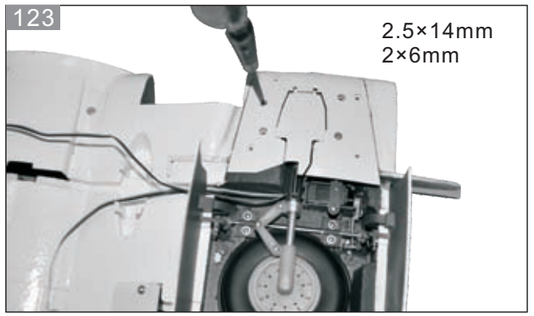


122



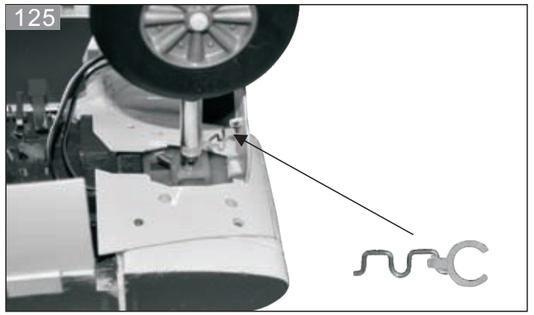
Front landing gear door installation.
(124-126)

123

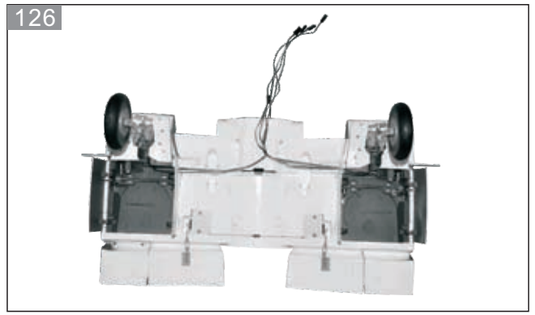


124

125

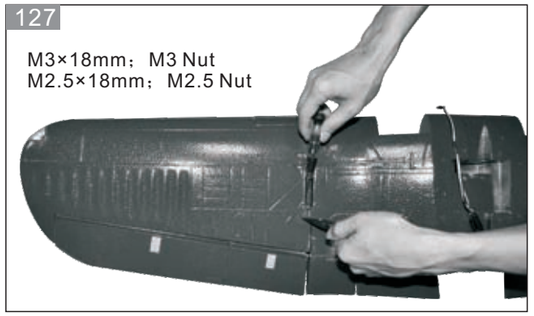


126

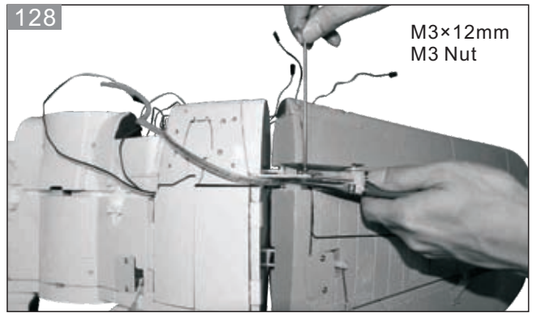


10 Main Wing Installation.(127-134)

127

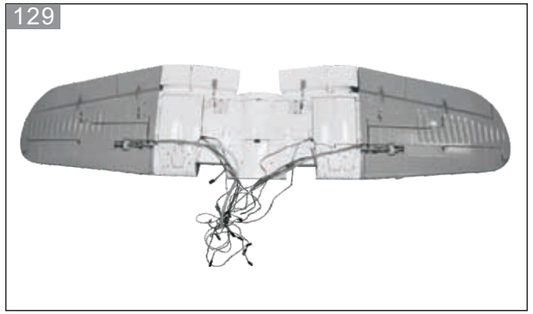


128

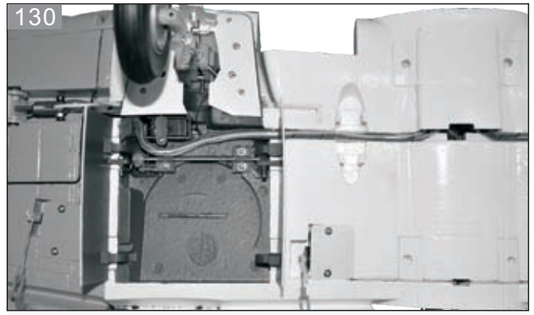


Main wing wirings.(130-131)

129

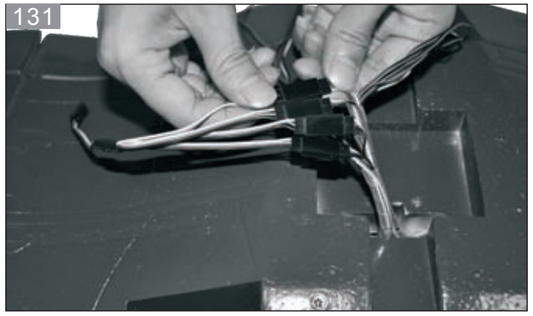


130

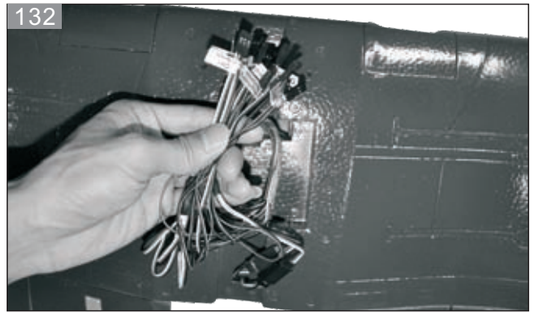


Indentifying the wires. (132)

131

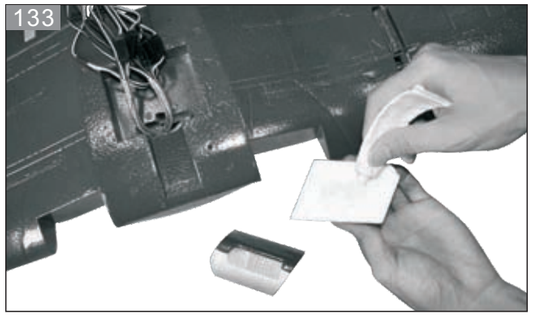


132

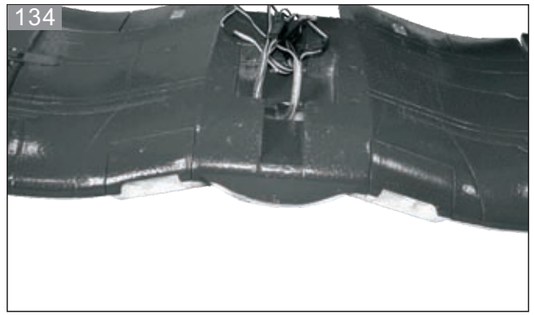


Oil cooler installation.(133-134)

133

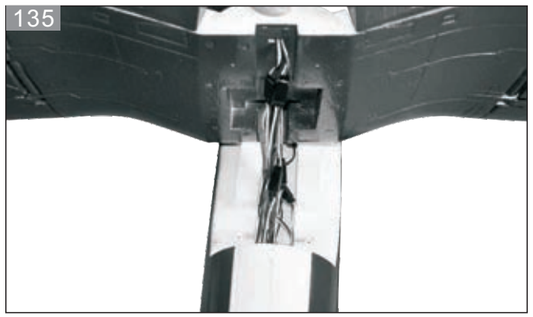


134

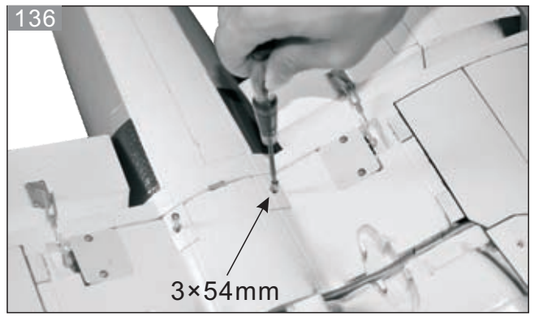


11 Fastening the complete main wing together with the fuselage.(135-136)

135



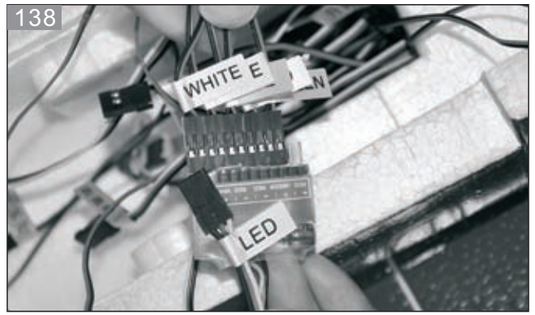
136



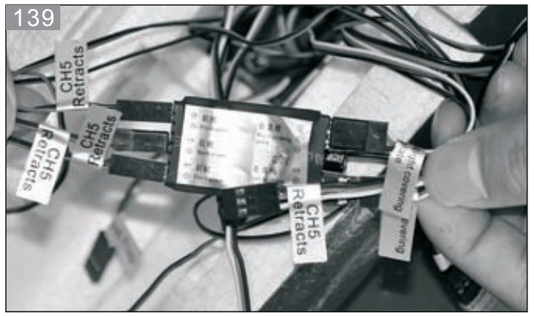
12 PCB Controller Installation.(137-139)

Folding wing controller installation.(137)

Led controller installation.(138)

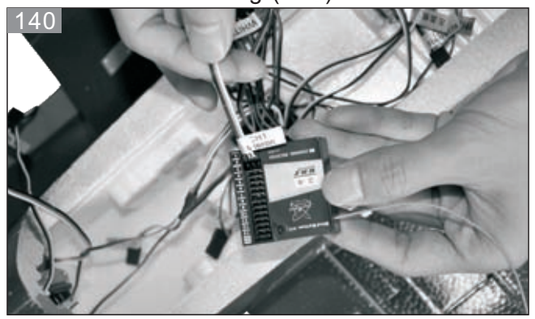


Retract controller installation.(139)

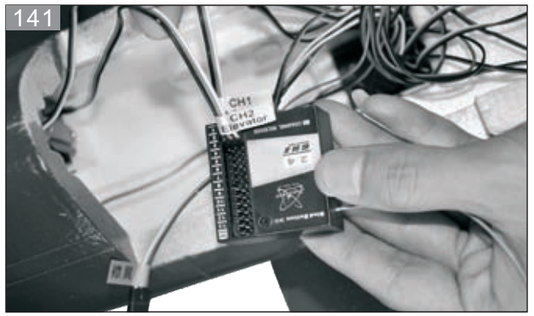


13 Radio receiver wiring setup.(140-150)

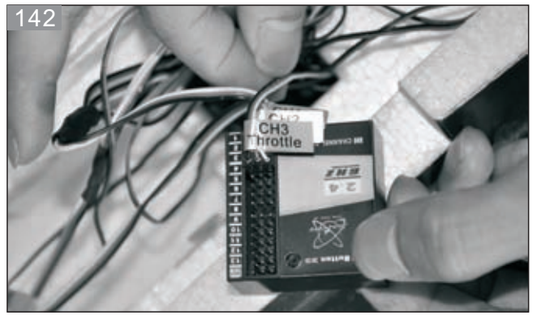
Aileron channel wiring.(140)



Elevator channel wiring .(141)



Throttle channel wiring.(142)

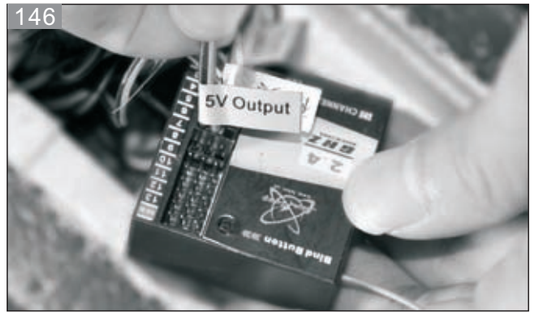


Rudder channel wiring .(143)

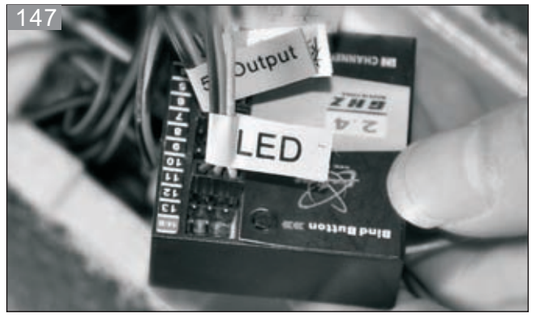
Retracts channel wiring .(144)

Flaps channel wiring .(145)

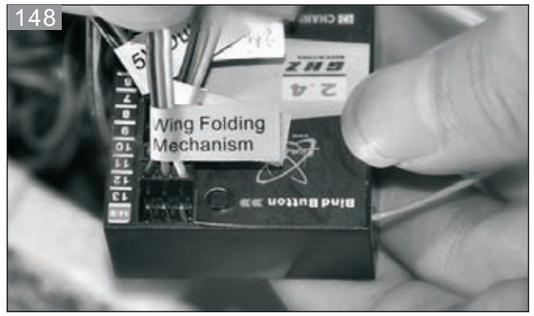
BEC 5V output wiring.(146)



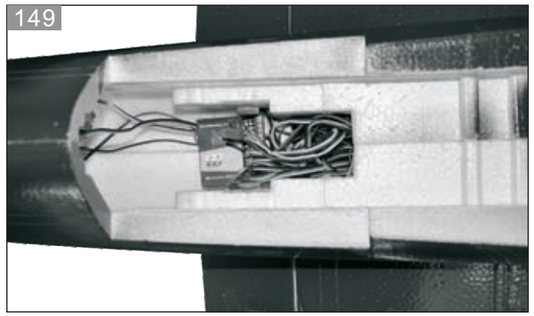
LED Channel Wiring .(147)

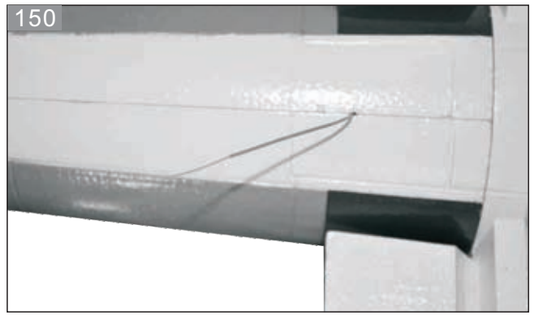


Folding Wing Channel Wiring.(148)

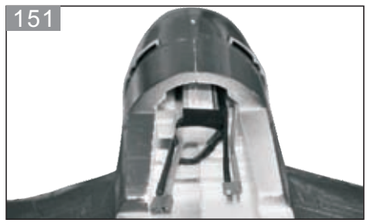


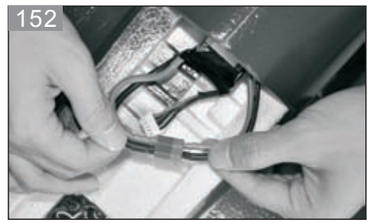
Positioning the radio receiver and antenna.(149-150)

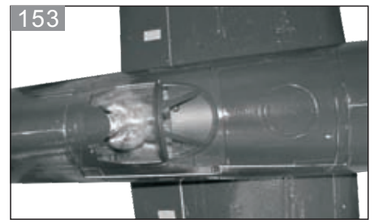




14 Connect the Battery.(151-153)







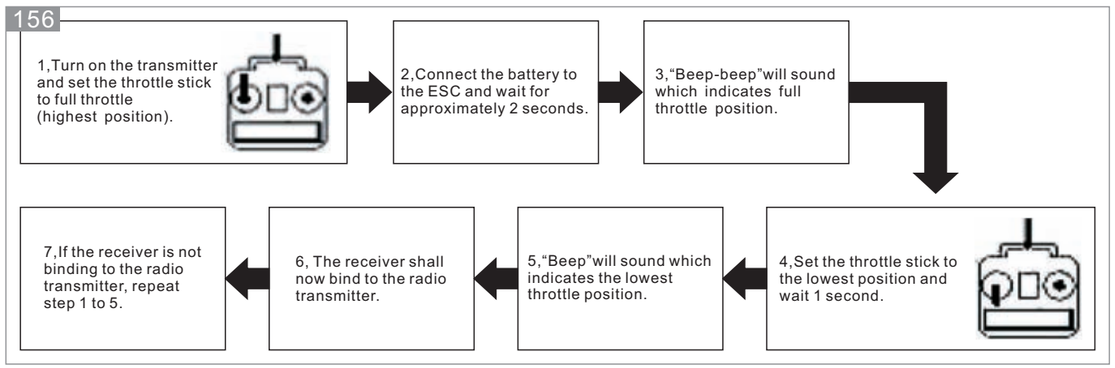
15 Insert 8x AA Batteries to the Radio Transmitter.(154-155)

154

155

16 Throttle calibration. (156)

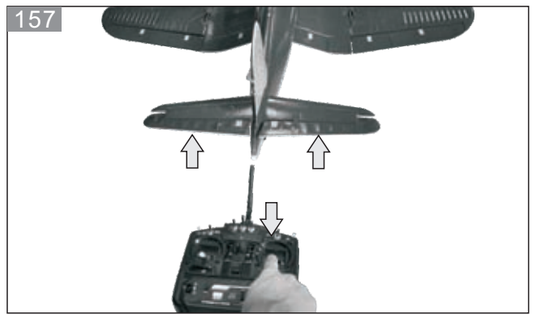
156



17 Control direction test. (157-167)

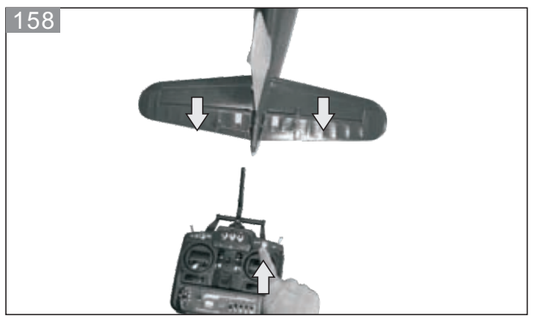
Elevator Up. (157)

157



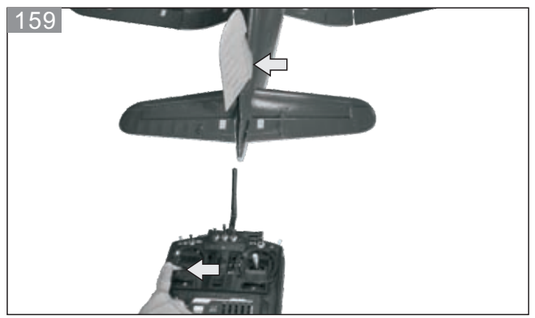
Elevator down.(158)

158



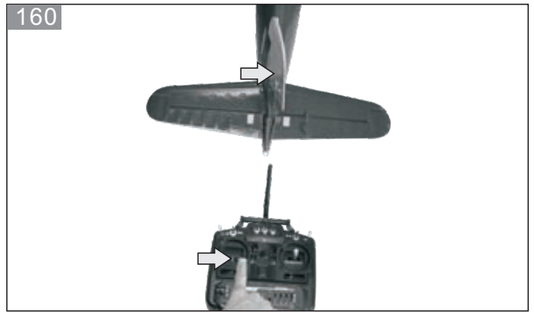
Rudder Left .(159)

159



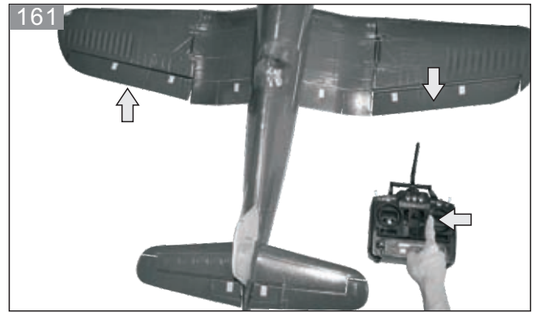
Rudder Right.(160)

160



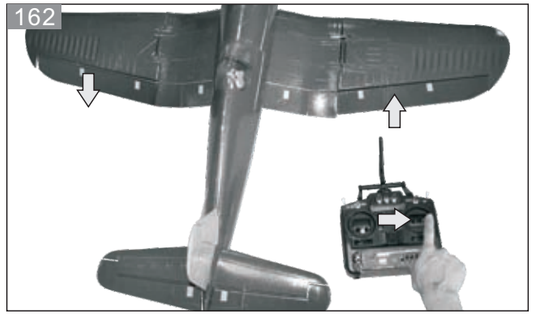
Aileron Left. (161)

161



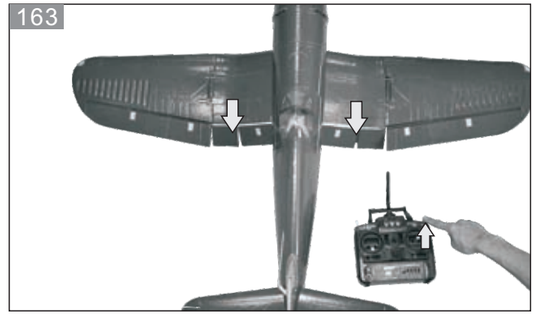
Aileron Right. (162)

162



Flap Switch.(163)

163

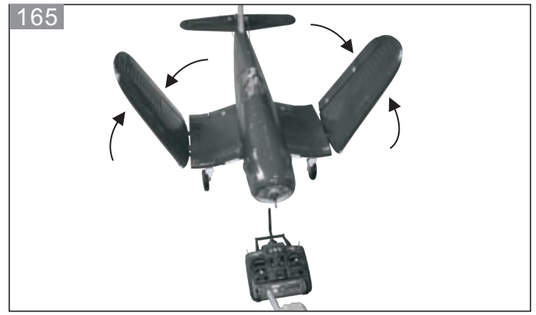


Throttle Up/Down.(164)

164

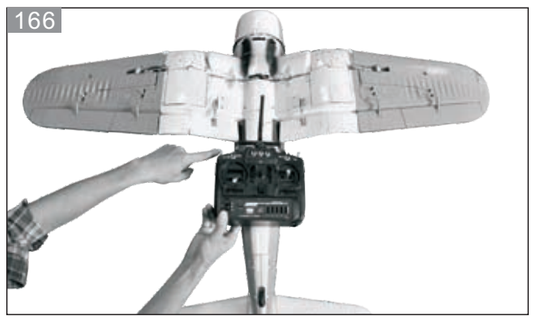
Wing Folding Switch. (165)

165

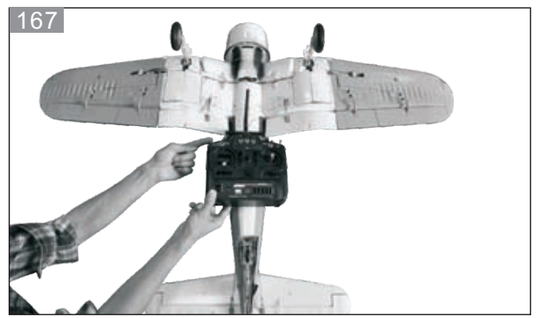


Retract Switch. (166-167)

166



167

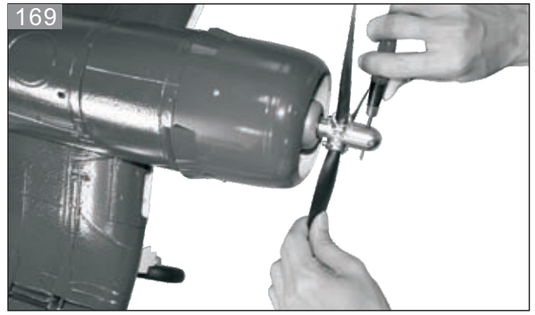


18 Propeller installation .(168-169)

Warning: First, ensure the motor is operating normally before installing the propeller. Next, make sure the propeller hub and blades are tighten and mounted correctly to the motor shaft to prevent any accident.

168

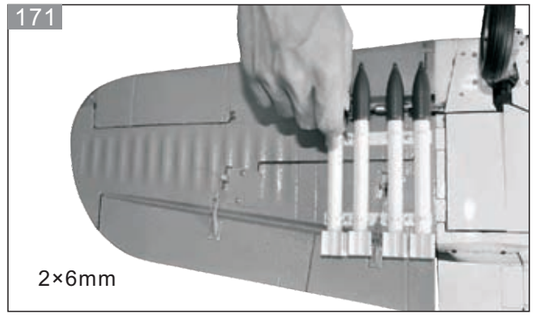
169



19 Bombs Installation. (170-172)

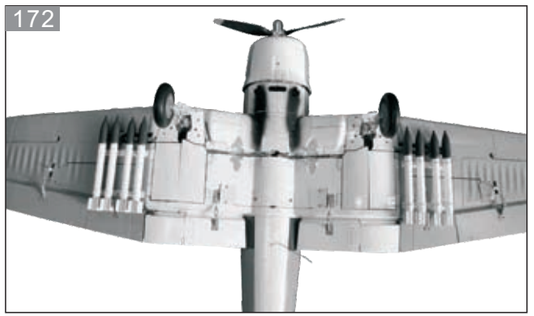
170

171



20 Drop Tank Installation.(173-176)

172



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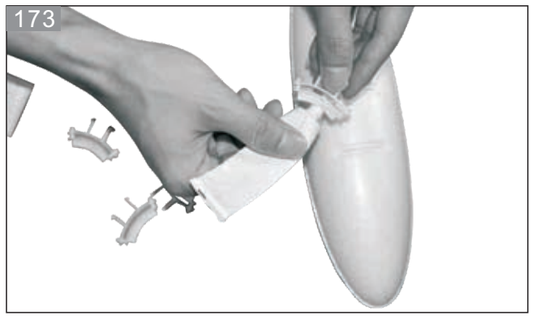
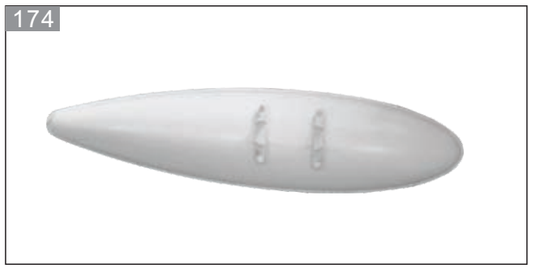


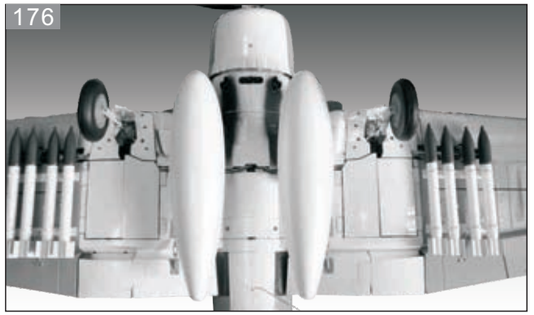
174



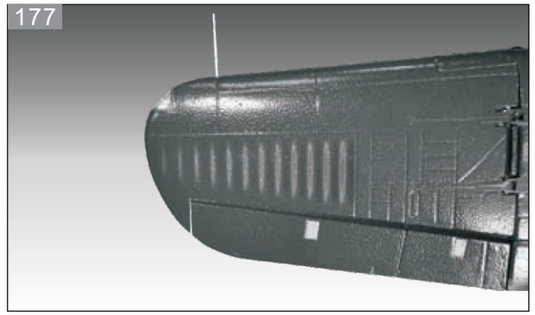
175

21 Decorating Parts Installation.(177-185)

176

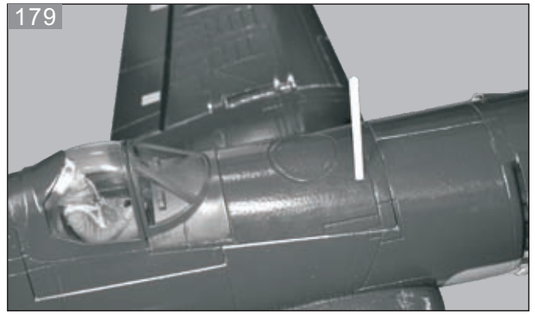


177



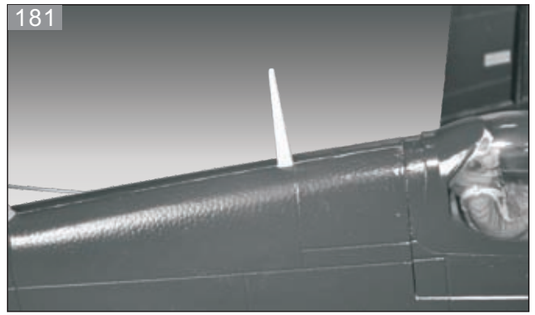
178

179

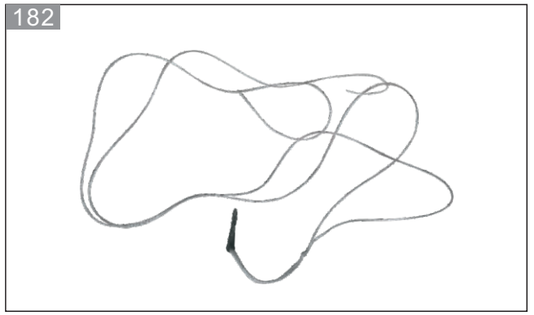


180

181

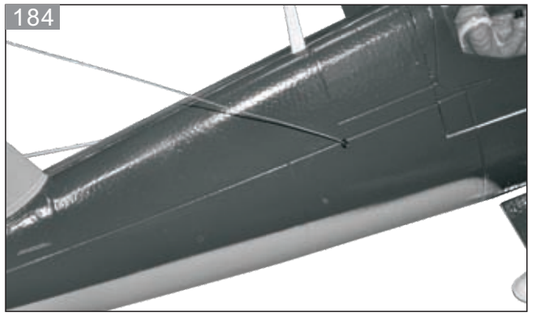


182

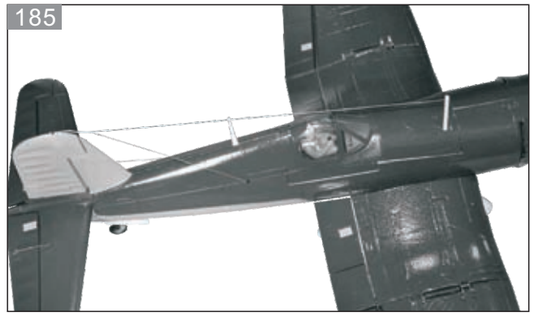


183

184



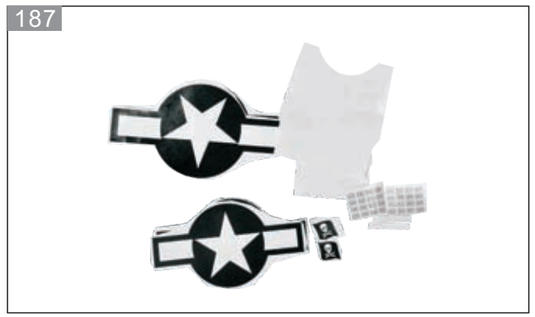
185



22 Applying the Water Decals.(186-195)

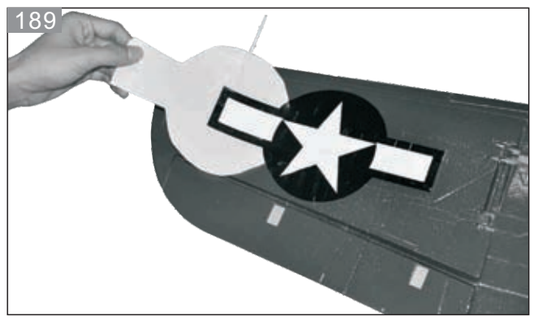
186

187

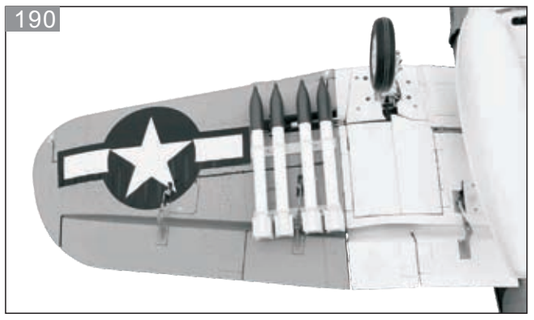


188

189



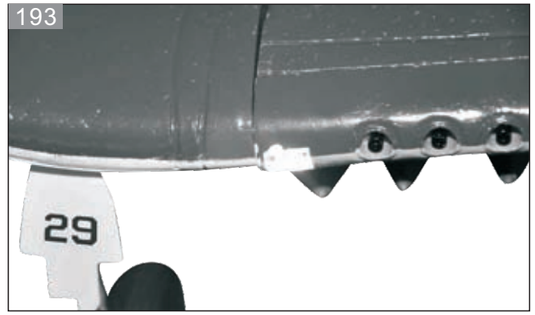
190



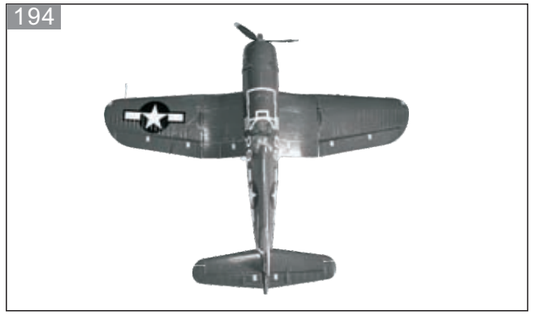
191

192

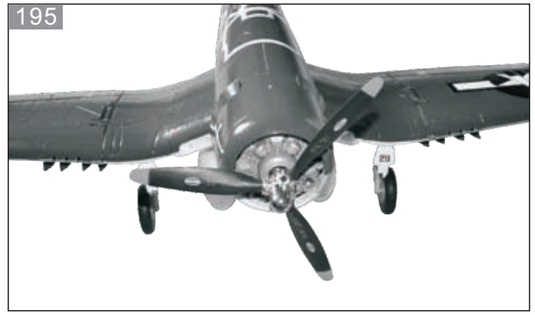
193



194

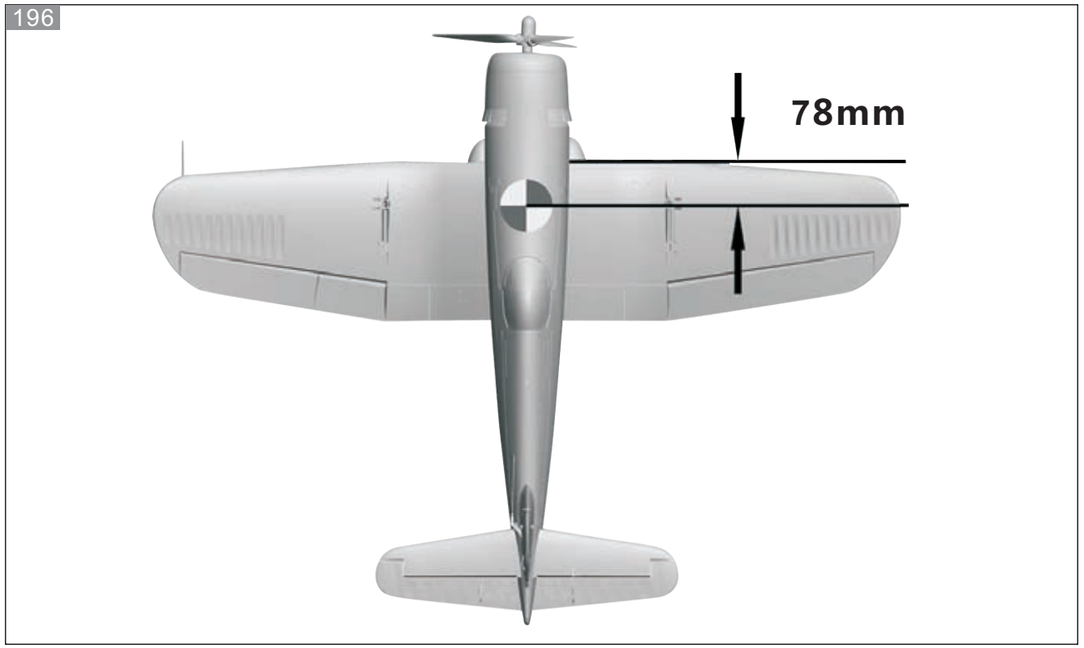


195



23 CG debugging.(196)

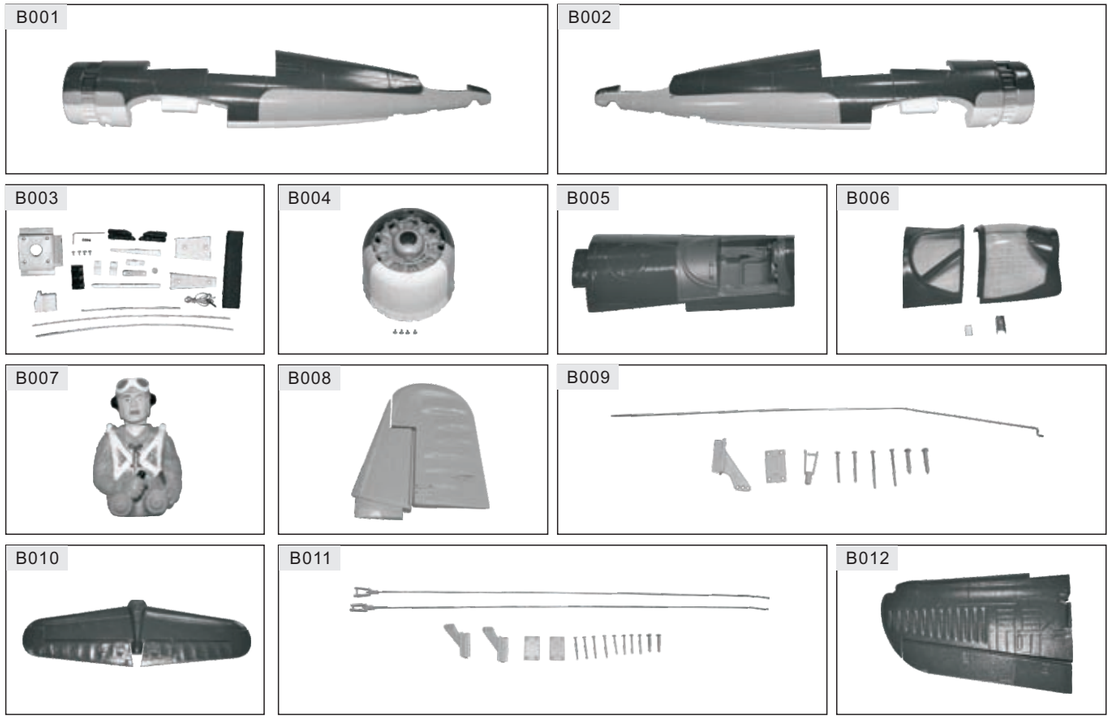
196

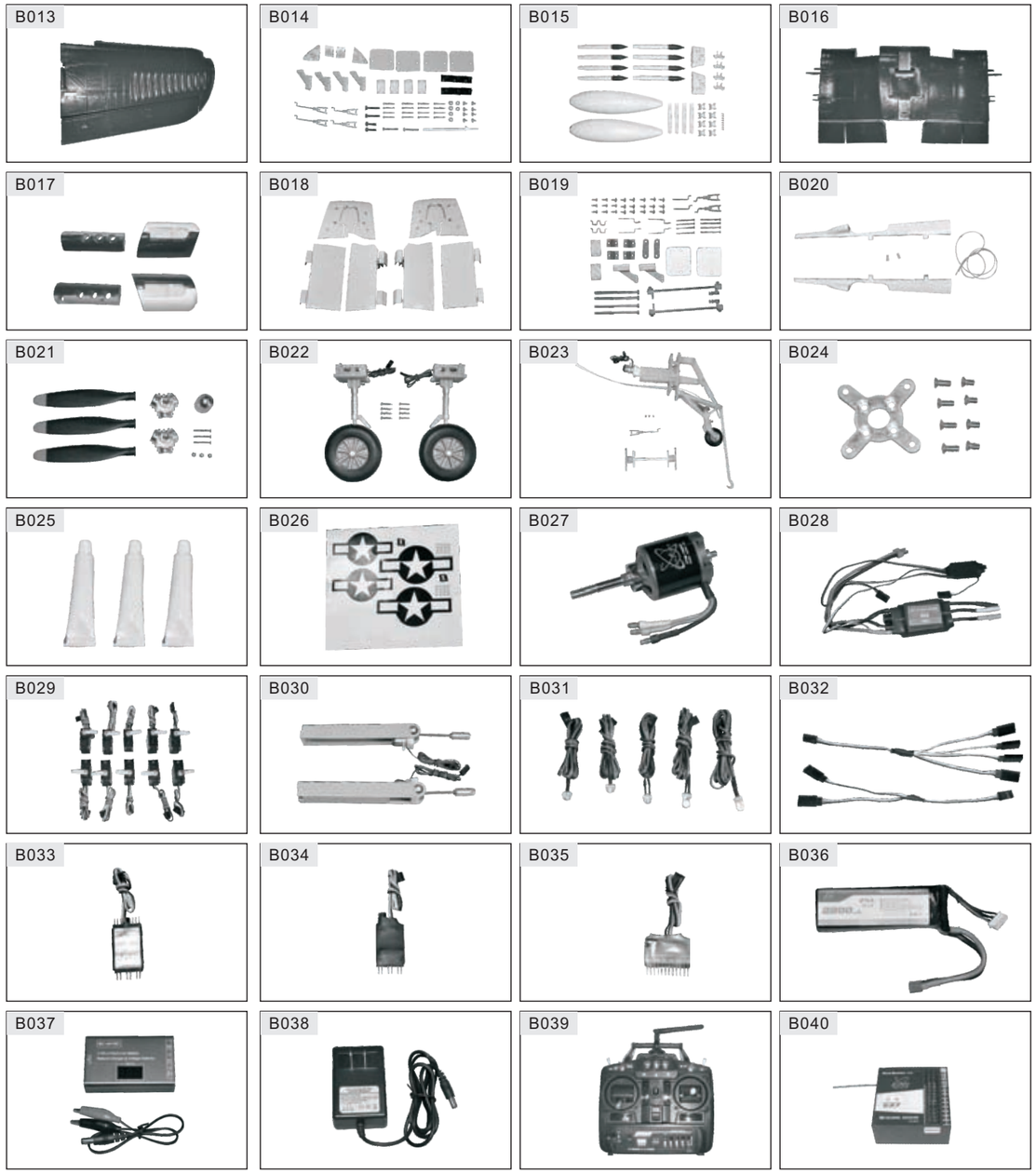


24 Parts List .

NO	Name	Quantity	RTF	ARF	KIT
F4U-B001	Left fuselage	1	√	√	√
F4U-B002	Right fuselage	1	√	√	√
F4U-B003	Fuselage parts	1	√	√	√
F4U-B004	Cowling	1	√	√	√
F4U-B005	Cockpit	1	√	√	√
F4U-B006	Canopy	1	√	√	√
F4U-B007	Pilot	1	√	√	√
F4U-B008	Vertical fin	1	√	√	√
F4U-B009	Vertical fin parts	1	√	√	√
F4U-B010	Horizontal tail	1	√	√	√
F4U-B011	Horizontal tail parts	1	√	√	√
F4U-B012	Left main wing	1	√	√	√
F4U-B013	Right main wing	1	√	√	√
F4U-B014	Main wing parts	1	√	√	√
F4U-B015	Bombs	1	√	√	√
F4U-B016	Middle of main wing	1	√	√	√
F4U-B017	The decorating parts in the middle of main wing	1	√	√	√
F4U-B018	Front retract cover	1	√	√	√
F4U-B019	Middle of main wing parts	1	√	√	√
F4U-B020	Rear retract cover	1	√	√	√
F4U-B021	Propeller	1	√	√	√
F4U-B022	Main retract	1	√	√	√
F4U-B023	Rear retract	1	√	√	√
F4U-B024	The parts for fixed motor	1	√	√	√
F4U-B025	20ml Glue	1	√	√	√
F4U-B026	Decal	1	√	√	√
F4U-B027	700KV(3748) Brushless motor	1	√	√	×
F4U-B028	ESC	1	√	√	×

F4U-B029	Servo	1	√	√	×
F4U-B030	650mm Screw servo for folding wing	1	√	√	√
F4U-B031	LED light	1	√	√	√
F4U-B032	Signal wires	1	√	√	×
F4U-B033	Retract controller	1	√	√	√
F4U-B034	Folding wing controller	1	√	√	√
F4U-B035	LED controller	1	√	√	√
F4U-B036	14.8V、4S/2200 mAh LiPo	1	√	×	×
F4U-B037	4S Recharger	1	√	×	×
F4U-B038	RC adaptor	1	√	×	×
F4U-B039	12ch transmitter	1	√	×	×
F4U-B040	12ch receiver	1	√	×	×





F4U Pre-flight check

1. Check carefully that every part of the plane is installed properly.
2. Always check that there are no other pilots using the same frequency in the same area.
3. Please switch on the power of the transmitter before connecting the battery. Make sure that the battery is fully charged.
4. Check that the plane responds properly to the control signals.
5. Extend the transmitter antenna all the way and test the range of the radio signal. With the transmitter and model switched on, step back around 20m and test the interference. If there is no interference, the plane is ready to fly.

Problem solving

Phenomenon	Typical error	Problem solving
Motor do not work	The battery is not full charged The battery of the transmitter is in low power. There is some broken circuit in the plane	Charge the battery Replace the battery in the transmitter. Contact your local dealer
Can not fly in a line	The rudder is not in the center of the fuselage The main wing is not installed in the center. The nose landing gear is rotary.	Adjust the trim on the transmitter. Reassemble the main wing. Verify the nose landing gear.
Can not climb	The battery is not fully charged. Elevator is still downward.	Charge the battery. Adjust the trim on the transmitter.
Short control distance	The battery of the transmitter is in low power. The antenna is not fully extended.	Replace the battery of transmitter. Extend the antenna fully.