Before commencing assembly, please read these instructions thoroughly.



# Specifications

Wing Span: 63.0 in /1600 mm

Wing Area: 660 sq in / 42.6 sq dm

Flying Weight: 6.0 lbs / 2700 g

Fuselage Length: 51 in / 1290 mm

Required: 2-stroke 0.40-0.46 or 4-stroke 0.70

engine, 5-channel radiow/ 6 servos



#### Warning! This model is not a toy.

It is designed for maximum performance. Please seek advice if one is not familiar with this kind of engine powered precision model. Operating this model without prior preparation may cause injuries. Remember, safety is the most important thing. Always keep this instruction manual at hand for quick reference.

\* Specifications are subject to change without notice.\*



THE WINGS MAKER
FACTORY PRE-FABRICATED
ALMOST-READY-TO-FLY (ARF) SERIES
MADE IN CHINA
www. thewingsmaker. com

# Feyboy 50

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### **BEFORE YOU BEGIN**

- Read through the manual before you begin, so you will have an overall idea of what to do.
- Check all parts. If you find any defective or missing parts contact your local dealer. Please DRY FIT and check for defects for all parts that will require CA or Epoxy for final assembly. Any parts you find to be defective after the gluing process may be difficult to remove for warranty replacement. The manufacturer will replace any defective parts. but will not extend to the parts that are good before gluing to defective parts during assembly. Warranty will not cover any parts modified by customer.
- 3 Symbols used throughout this instruction manual comprise of the following : -



Apply epoxy glue.



Apply instant glue (C.A.glue, super glue.)



Assemble left and right sides the same way.



Ensure smooth non-binding movement while assembling.



Peel off shaded portion covering film.



Cut off shaded portion.



Drill holes with the specified diameter (here: 3mm).



Must be purchased separately!



Pay close attention here!



Do not overlook this symbol!



Pierce the shaded portion covering film.



Apply thread locker



#### **Parts List**

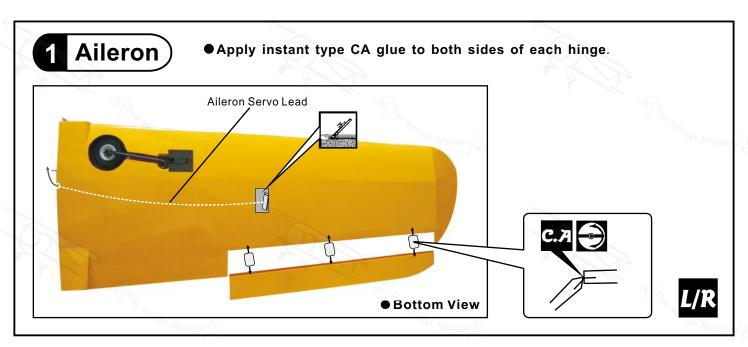
- 1. MAIN WING -- 1 pair
- 2. SCREW PB2x25mm -- 6 pcs FUEL TUBE Ø6x5mm -- 4 pcs CLEVIS PL4112103 -- 2 pcs STRAPER PL4112102 -- 2 pcs TRI-HORN M3x14mm (For Aileron) PL4111185 -- 2 sets PUSHROD Ø1.8x115mm w/ Threads (For Aileron) -- 2 pcs
- 3. WING JOINER 5x29x108mm -- 1 pc.
- 4. RETRACTABLE LANDING GEAR--1 pair MAIN WHEEL Ø56mm -- 2 pcs COLLAR Ø4.1mm w/ set screw -- 2 sets
- 5. LINKAGE CONNECTOR Ø2.1mm w/ set screw -- 2 sets
- 6. STABILIZER & ELEVATOR -- 1 set FUSELAGE -- 1 pc.
- 7. VERTICAL FIN & RUDDER -- 1 set
- 8. TAIL LANDING GEAR -- 1 set
  TAIL WHEEL Ø23mm -- 1 pc.
  COLLAR Ø2.1mm w/ screw -- 1 set
  SCREW PA3x12mm -- 2 pcs
- 9. ENGINE MOUNT PL5111050 -- 1 set SOCKET HEAD SCREW M4x25mm -- 4 pcs WASHER d4xD9mm -- 4 pcs
- 10. FUEL TANK 320cc -- 1 set

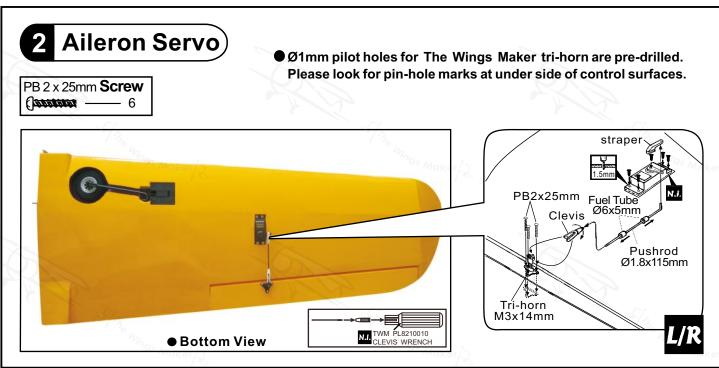
  DOUBLE-SIDED TAPE 40x100mm -- 1 pc.

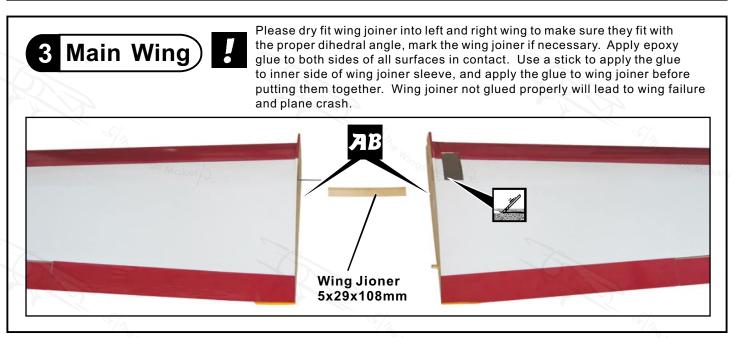
  CABLE TIE 1.5x5x400mm -- 1 pc.
- 11. SCREW HM3.5x30mm -- 4 pcs
  WASHER d3.5xD8mm -- 8 pcs
  M3.5 NUT -- 8 pcs
  THROTTLE PUSHWIRE Ø1.2x320mm -- 1 pc.
  w/ Plastic Tube d2xD3x125mm -- 1 pc.

- 12. SCREW PB2x16mm -- 6 pcs
  TRI-HORN M3x14mm (For Elevator) PL4111185 -- 2 sets
  FUEL TUBE Ø6x5mm -- 2 pcs
  CLEVIS PL4112103 -- 2 pcs
  PUSHROD Ø1.8x605mm w/ Threads (For Elevator) -- 2 pcs
- 13. SCREW PB2x16mm -- 3 pcs CLEVIS PL4112103 -- 1 pc. FUEL TUBE Ø6x5mm -- 1 pc. TRI-HORN M3x14mm (For Rudder) PL4111185 -- 1 set PUSHROD Ø1.8x720mm w/ Threads (For Rudder) -- 1 pc.
- 14. LINKAGE CONNECTOR Ø2.1mm w/ set screw -- 1 set
- 15. SPONGE 10x80x200mm (For Radio Equipment) -- 2 pcs STRAPER PL4112102 -- 2 pcs FUEL TUBE Ø6x5mm -- 2 pcs PUSHROD CONNECTOR 4x9x20mm (For Elevator) -- 1 set PUSHROD Ø1.8x90mm (For Elevator) -- 1 pc. PLYWOOD 3x49x113mm (For Throttle Servo) -- 1 pc. BALSA 6x6x46mm (For Throttle Servo Stand) -- 2 pcs
- 16. COWLING -- 1 pc.
  TRANSPARENT DUMMY COWLING -- 1 pc.
  SILICON GROMMET d1.5xD6.5mm -- 4 pcs
  SPINNER Ø62mm PL2111062 -- 1 pc.
  SCREW PWA2.6x12mm -- 4 pcs
- 17. CANOPY -- 1 pc.
  SILICON GROMMET d1.5xD6.5mm -- 4 pcs
  SCREW PWA2.3x12mm -- 4 pcs
  PILOT PC001063A -- 1 pc.
- 18. SCREW HM4x40mm -- 2 pcs WASHER d4xD15mm -- 2 pcs
- 19. DECALS: GA014DEC --1 set
- COVERING:

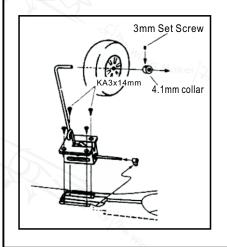
TOUGHLON STL 100 WHITE TOUGHLON STL 331 CUB YELLOW LIGHTEX SGX 310 RED LIGHTEX SGX 360 VIOLET

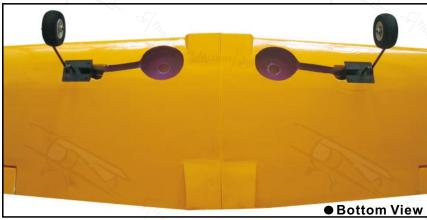






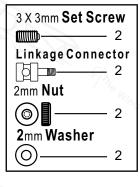
## 4 Retractable Landing Gear

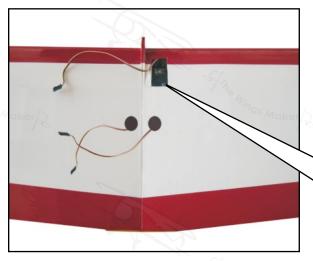


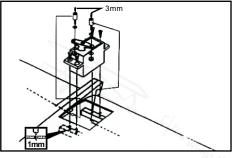


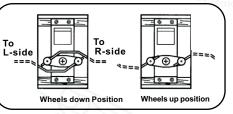
L/R





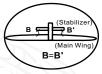






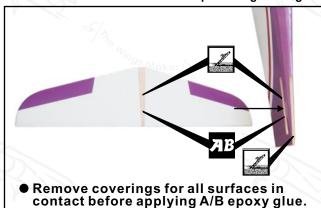
 Select the servo horn that will give 26mm travel when it rotates through 180°.

#### 6 Stabilizer & Elevator



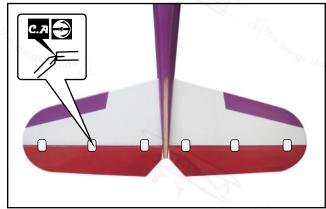
Temporary install the main wing, adjust leveling of the stabilizer to make it as parallel to the main wing as possible.

\*Also refer to step 19 Wing Setting



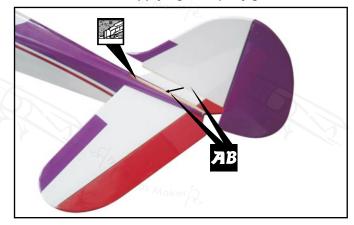


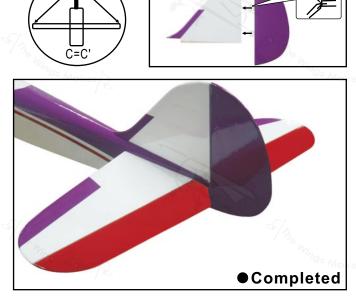
 Apply instant type CA glue to both sides of each hinge.

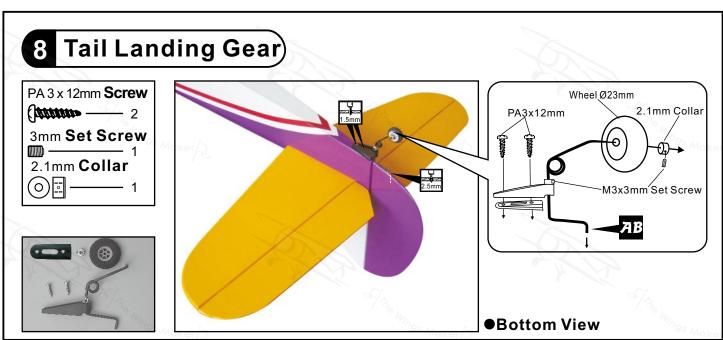


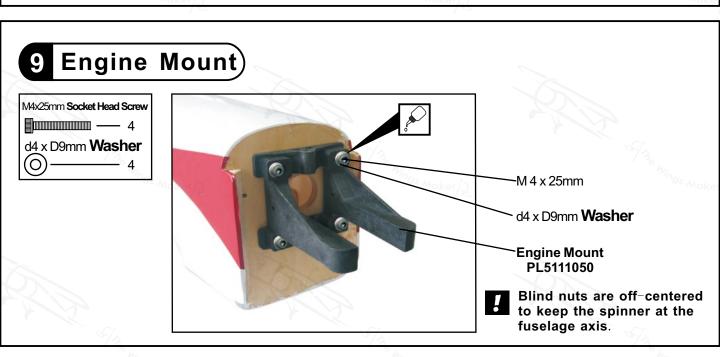


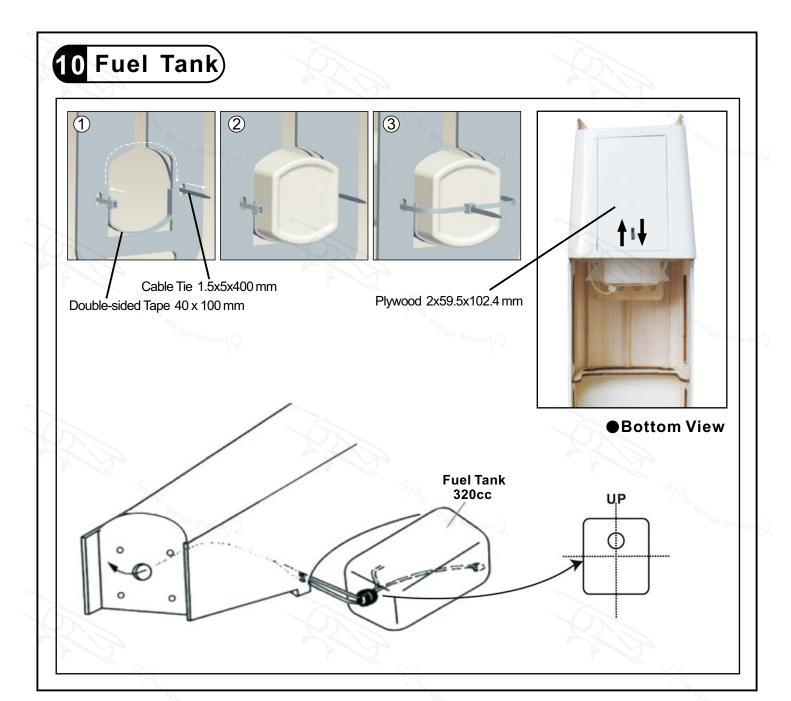
- Apply instant type CA glue to both sides of each hinge.
- Remove coverings for all surfaces in contact before applying A/B epoxy glue.

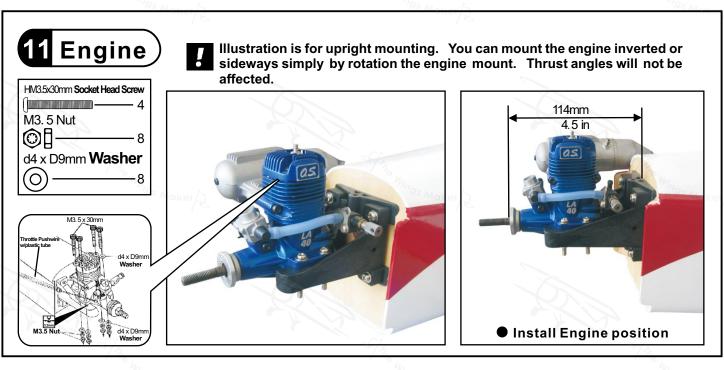


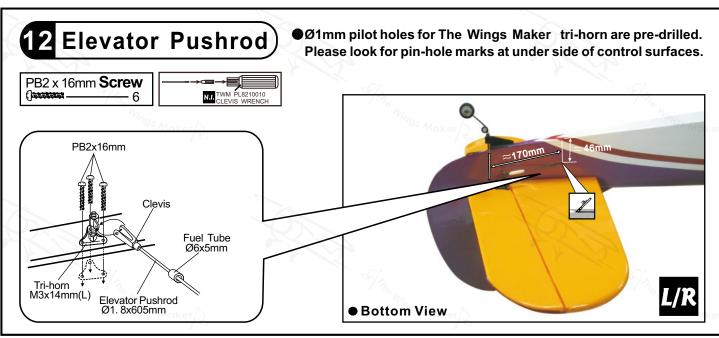


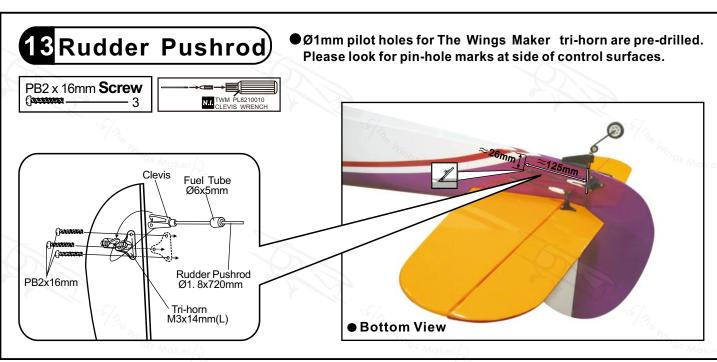


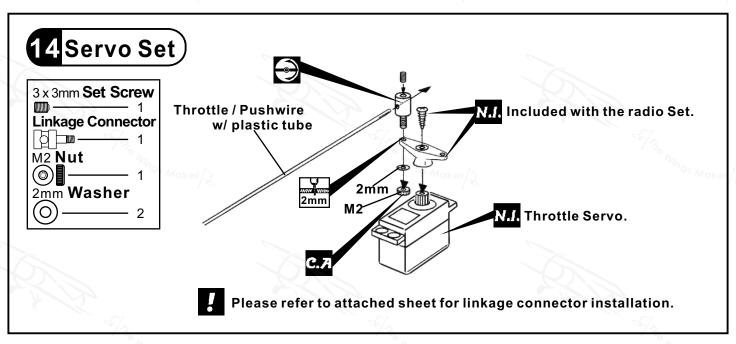


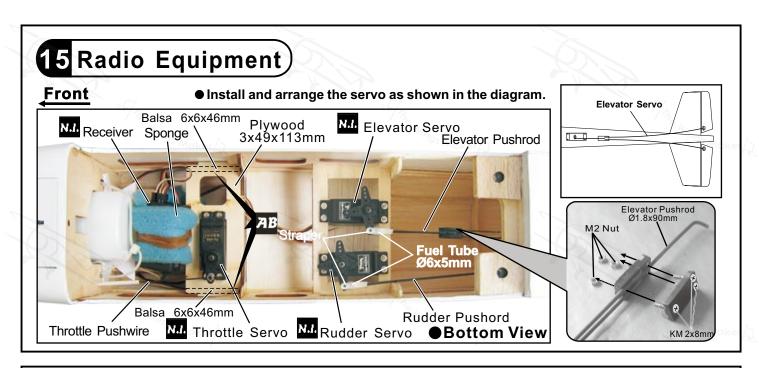






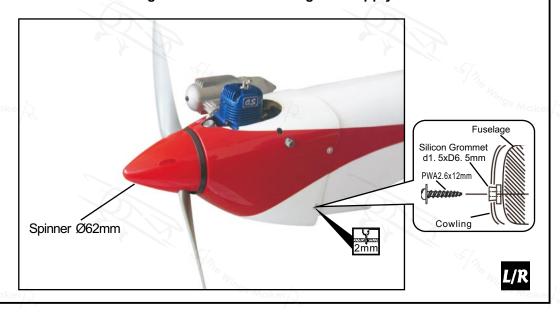








• First insert the grommet to the cowling then apply screw.

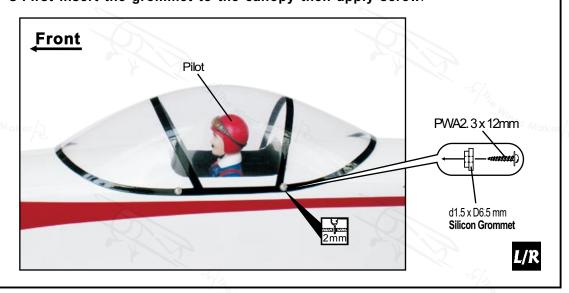


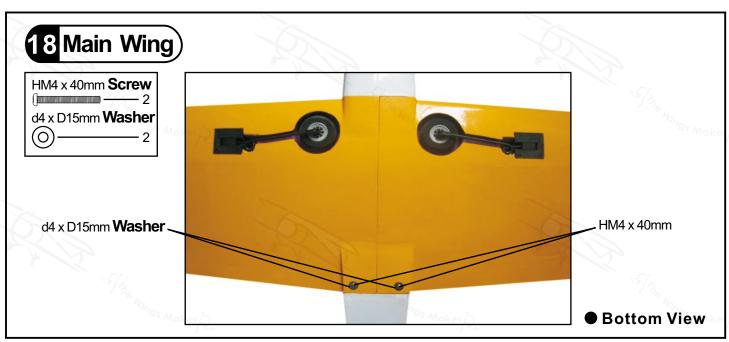


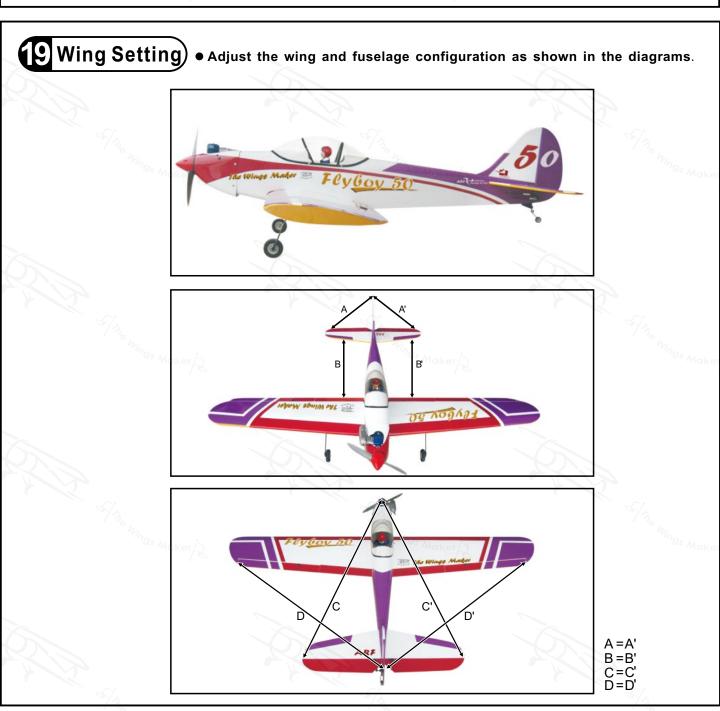




• First insert the grommet to the canopy then apply screw.

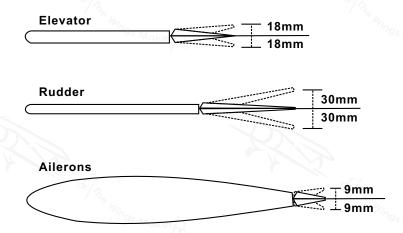








• Adjust the control throws as shown in the diagram. These throws are good for general flying. You can adjust according to your personal preference.





The ideal C.G. position is 100mm (3.9in.) behind the leading edge measured at where the wing meets the fuselage. In order to obtain the C.G. specified, add weight to the fuselage or move the battery position. Check the C.G. before flying.

If you are converting this model to electric, please move the C.G. forward 10% of current C.G. distance from leading edge to compensate for weight of fuel.



• Measure C.G. with the wheels in retracted position.

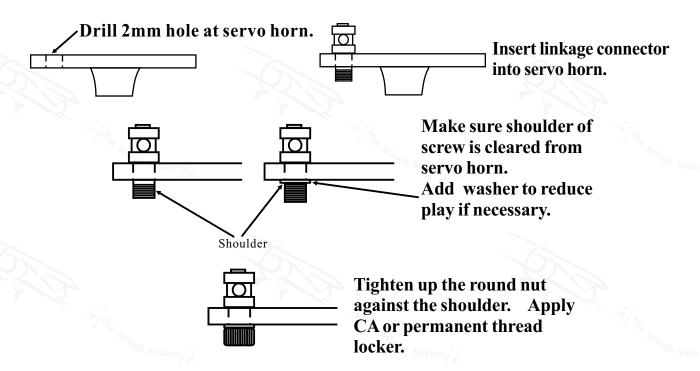
http://www.thewingsmaker.com/instructionManuals.php

# Warning!

#### **Important Safety Precautions**

- # First time flyer should never fly by himself / herself. Assistance from experienced flyer is absolutely necessary.
- # Pre flight adjustment must be done before flying, it is very dangerous to fly a badly pre adjusted aircraft.
- #Fey60v 50 is specially designed to be powered by 2C 0.40-0.46/4c 0.70 stroke glow engine, using a more powerful engine does not mean better performance. In fact, over powered engine may cause severe damage and injuries.
- # Make sure the air field is spacious, never fly the plane too close to people and never get too close to a running propeller.
- # If you find wrinkles on the covering as a result of weather changes, you can use hot iron to remove the wrinkles. Please begin with lower temperature setting and gradually raise the temperature until the wrinkles are gone. Too hot an iron may damage the covering.
- # Check and re-tighten up all factory assembled screws, use thread locker if applicable.

#### LINKAGE CONNECTOR



After fastening the round nut, make sure that the linkage connector can rotate freely.



## THE WINGS MAKER