



Brewster Buffalo



Instruction Manual

Please read this manual carefully
before operating this plane.



The Brewster Buffalo is an American fighter that saw service during the early part of World War 2. It was one of the first US monoplanes to be fitted with an arrestor hook to make it suitable for operating off of aircraft carriers. The Buffalo won a competition against the Grumman Wildcat in 1939 to become the US Navy's first monoplane fighter aircraft.

Durafly Brewster Buffalo.

"Throw it and Show it"

Thankyou for choosing the Durafly Brewster Buffalo, the Brewster Buffalo is part of our Durafly hand launch and belly-landing scale RC plane series.

With the Buffalo you will appreciate its practicality and functionality. It is a model that looks good in the air and is small enough to keep on the back seat of the car completely assembled. Designed and made from lightweight EPO foam and with reasonably gentle handling characteristics the Durafly Brewster Buffalo is perfect for the low hours pilot up to the seasoned flyer who is looking for a great looking and enjoyable RC plane.

The build for the Durafly Brewster Buffalo is fast with a minimal build count meaning you're in the air quickly. Once built and all your checks complete and battery charged you are ready for your first flight with the Buffalo!



SPECIFICATION

Wingspan: 920mm

Length: 670mm

Weight: 675g (without battery)

Servos: 4x9g

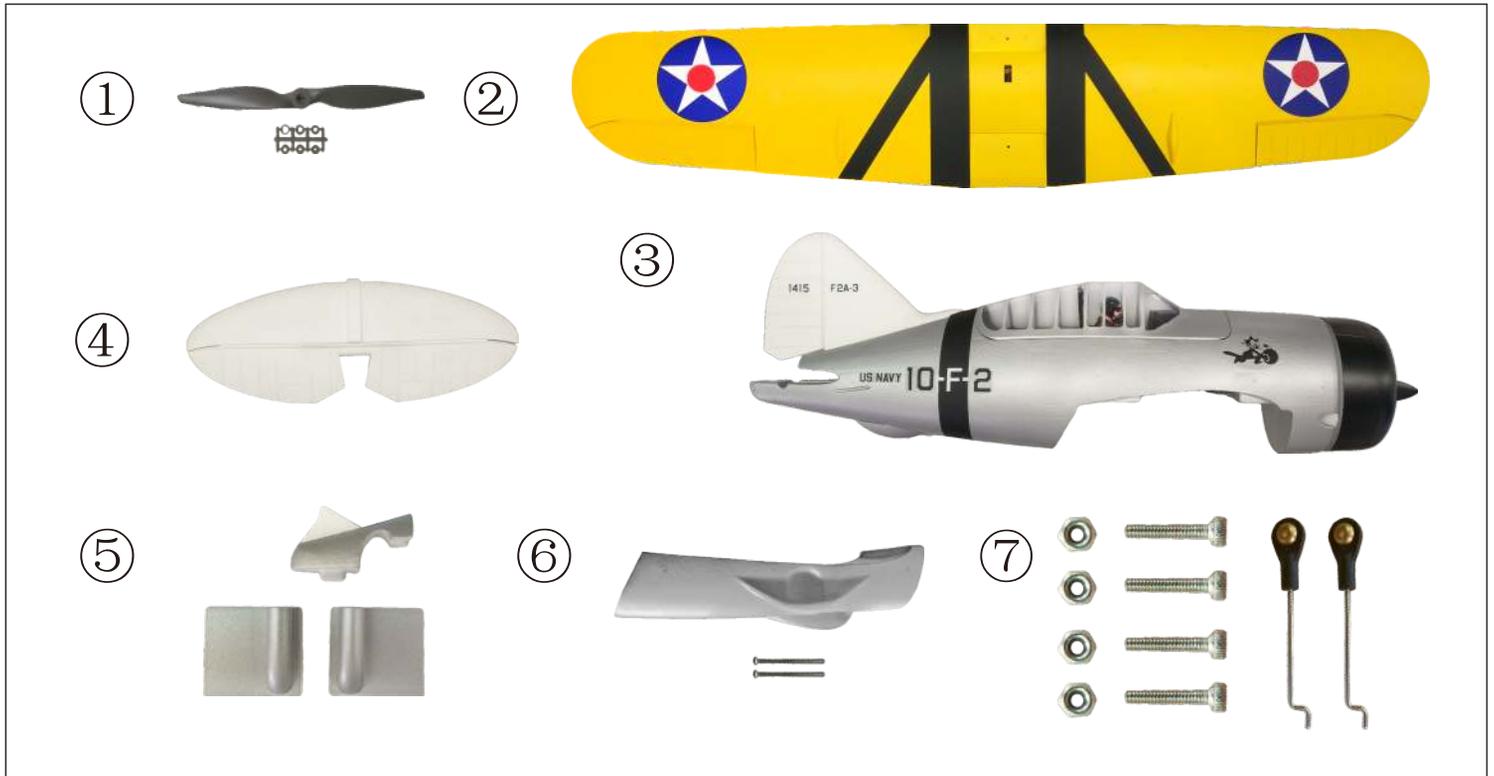
Motor: Aerostar 28mm 1200 Kv outrunner.

Prop: 2 blade 10x5

ESC: Aerostar 40A

Battery: 2200 mah 3S Lipo battery

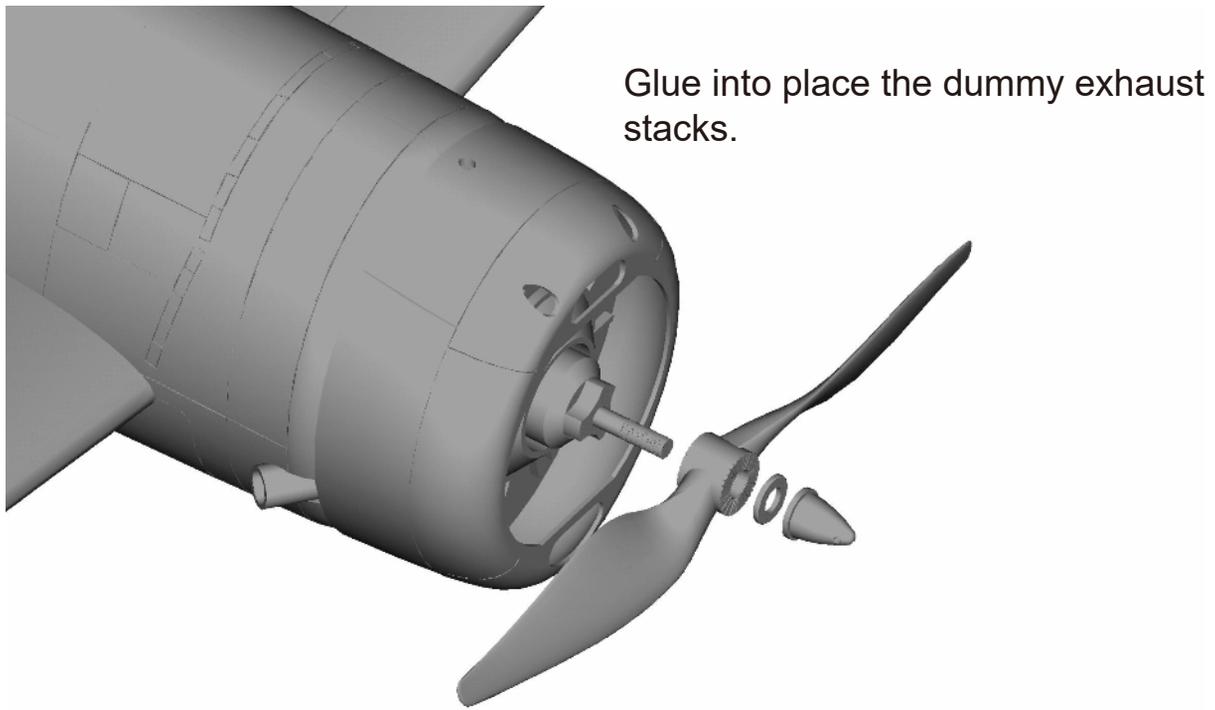
CONTENTS OF BOX



- 1. Prop
- 2. Main wing
- 3. Fuselage
- 4. Horizontal tail

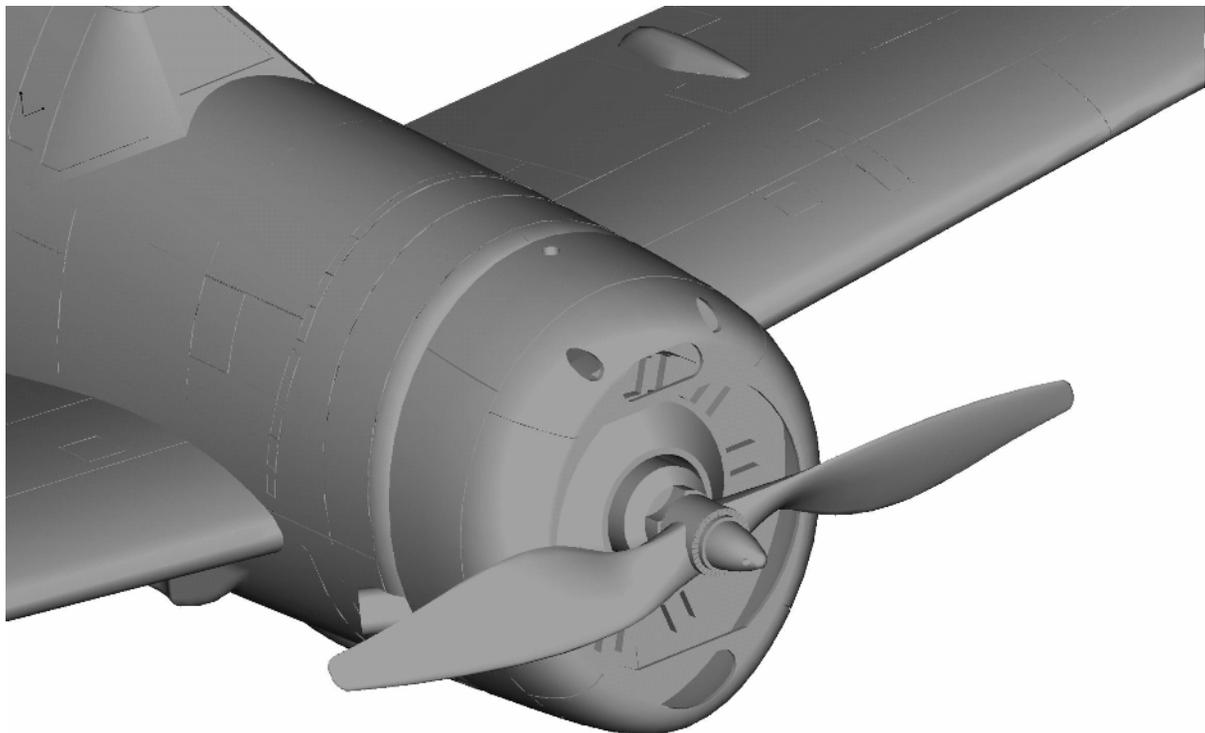
- 5. Tail cone and servo covers
- 6. Fuselage underbelly
- 7. Control accessories and hardware
- 8. Not shown: There are 2 black dummy exhaust stacks supplied

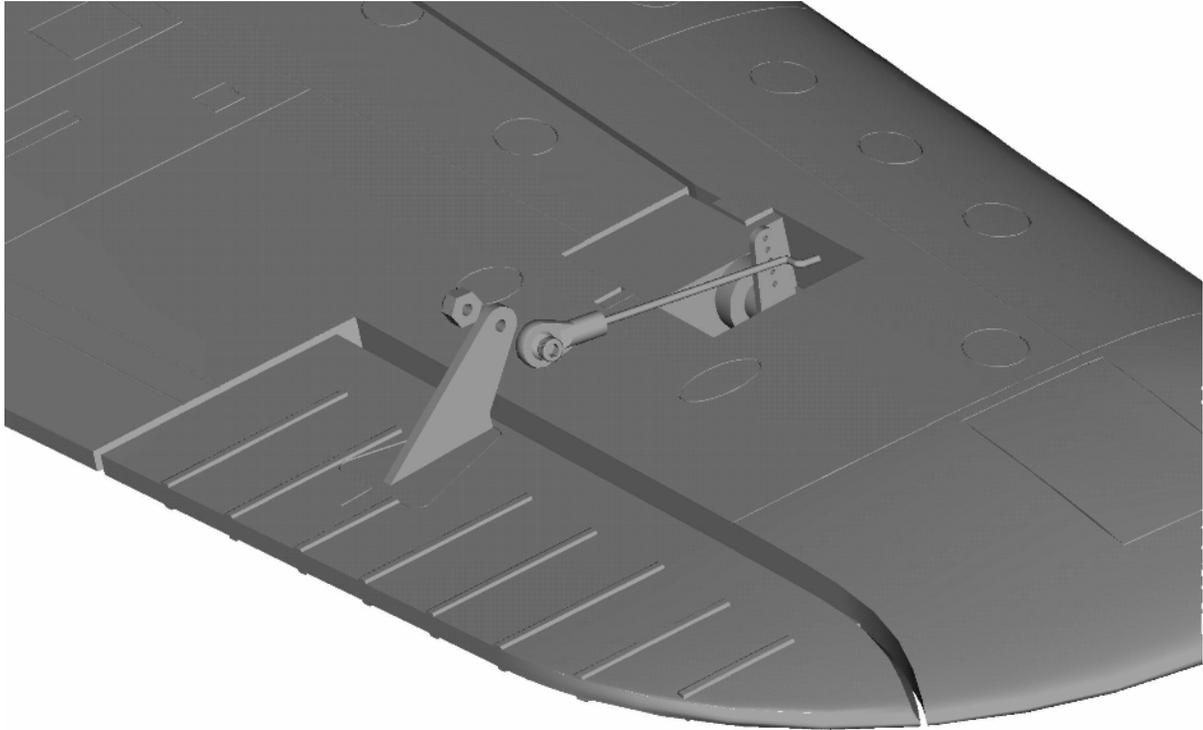
ASSEMBLY



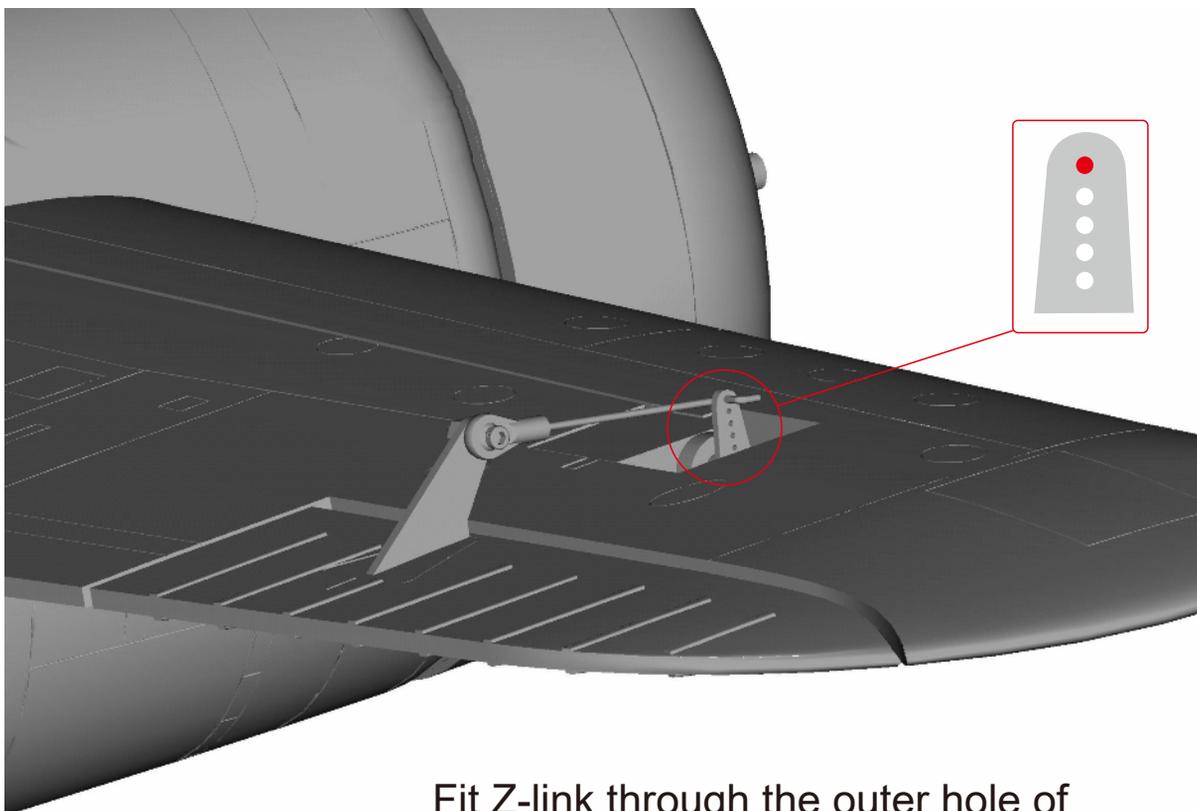
Installation of propeller

Please note: There is a 12 x 6.5 x 1.5mm spacer which is not shown in the diagram above. This needs to go behind the prop to space it away from the cowling.

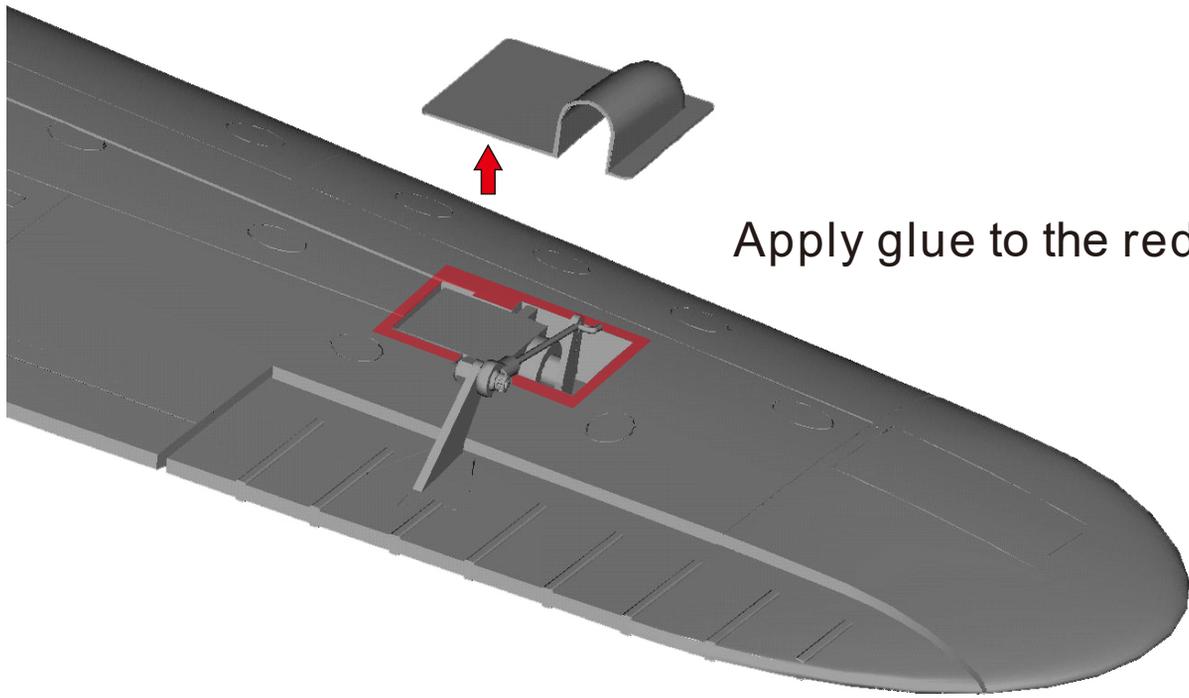




Installation of aileron pushrods



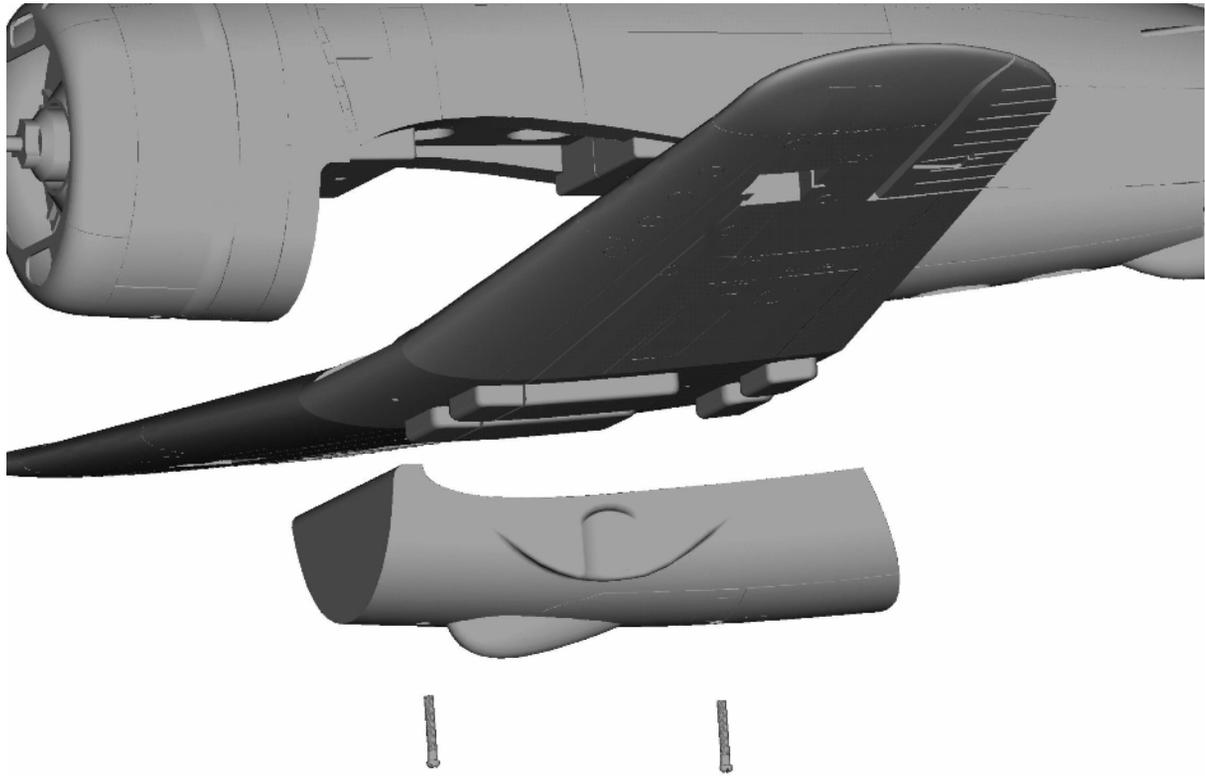
Fit Z-link through the outer hole of the servo arm and bolt the balllink to the control horn.



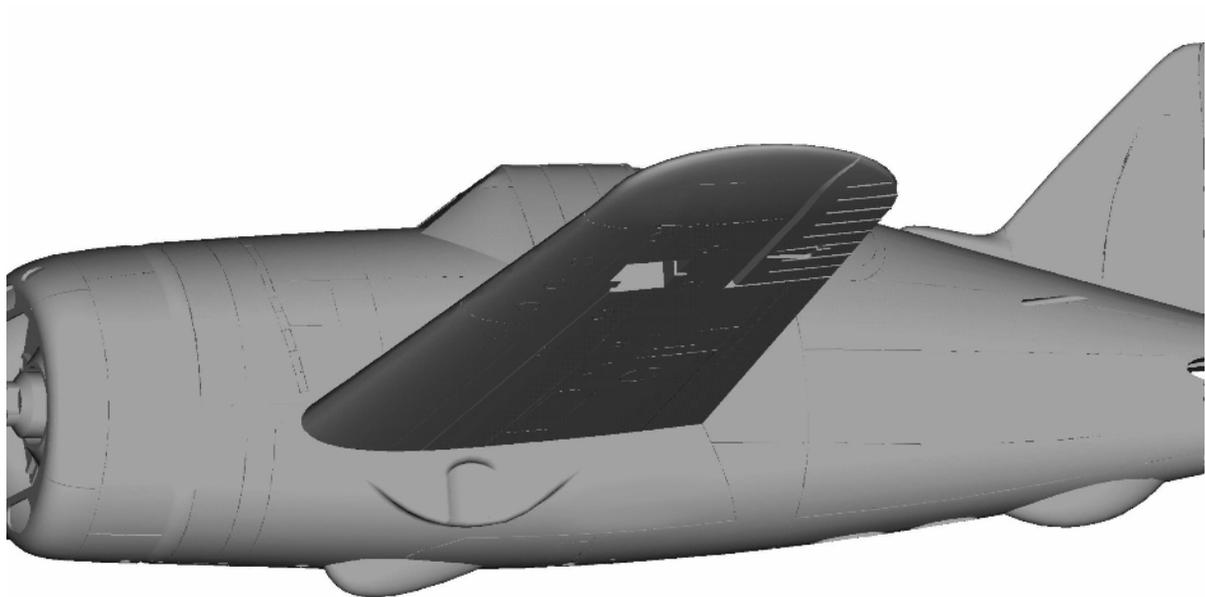
Apply glue to the red area

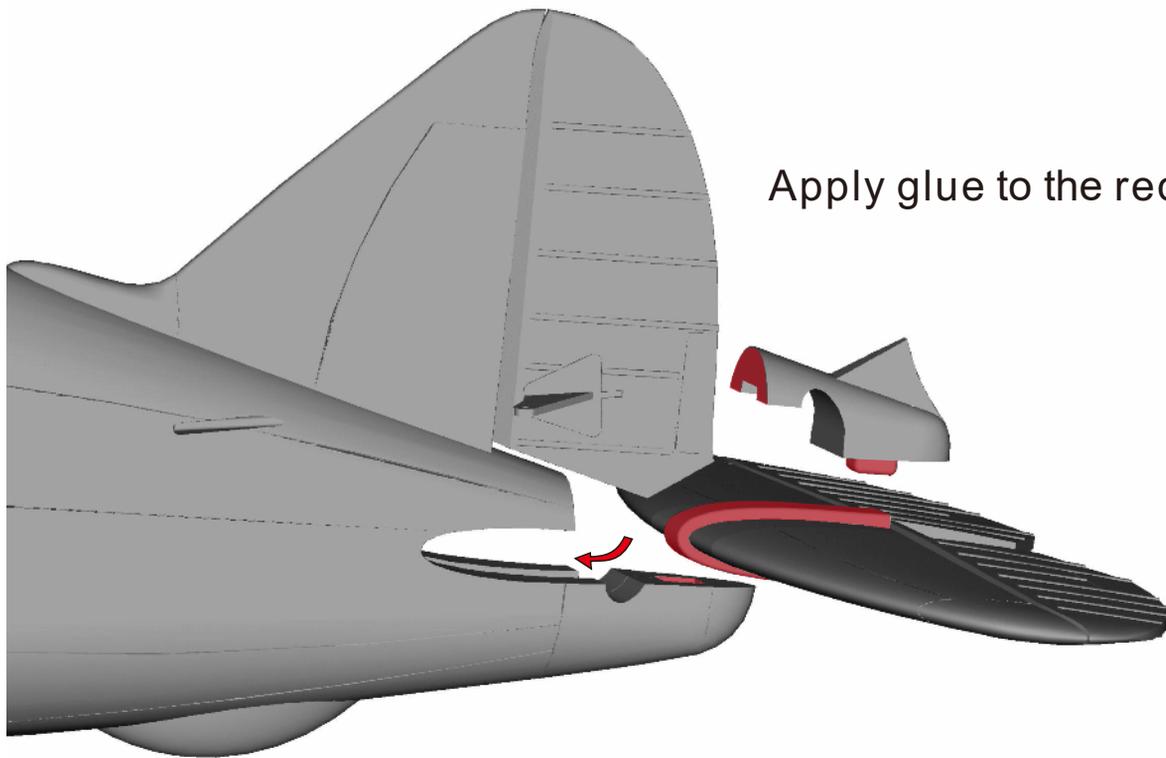
Fitting the aileron servo covers





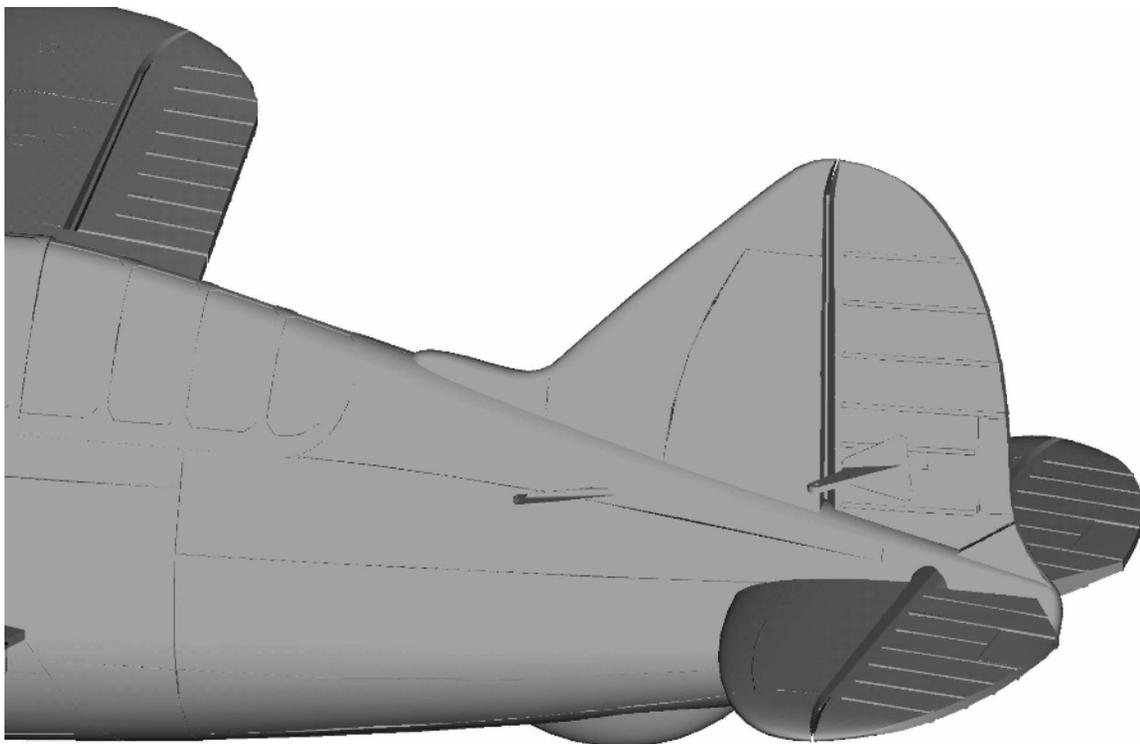
Attach the wing and fuselage underbelly using the 2 screws provided

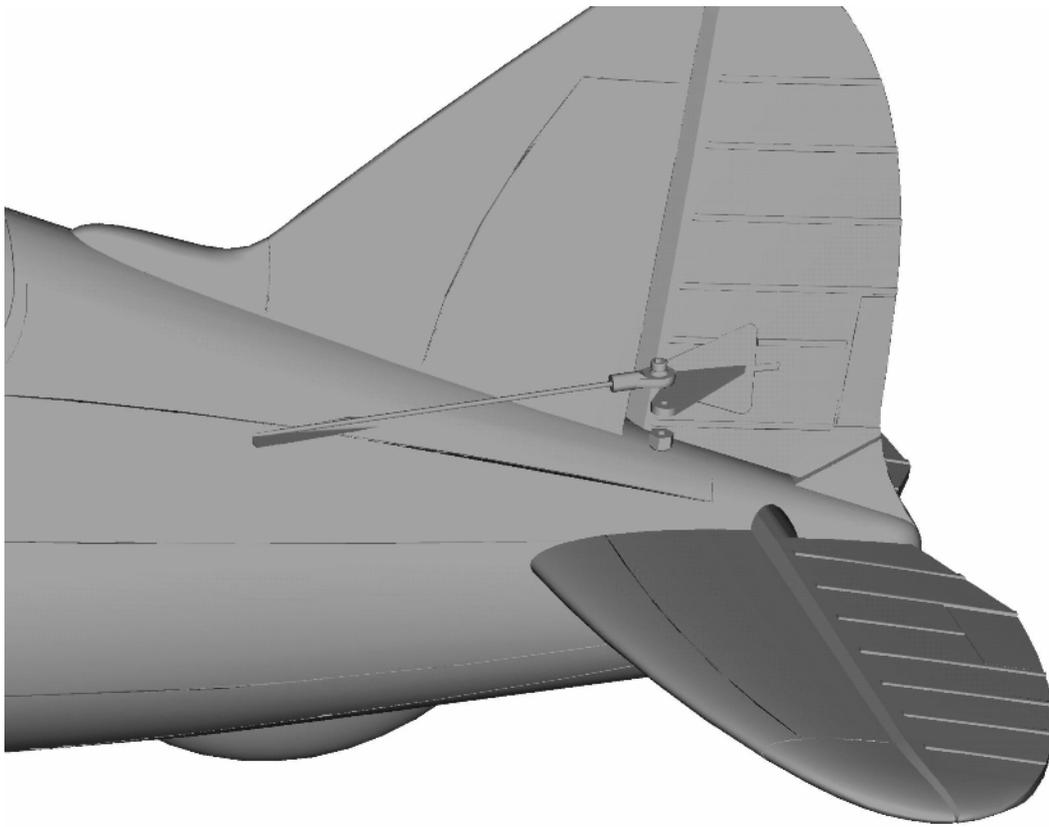




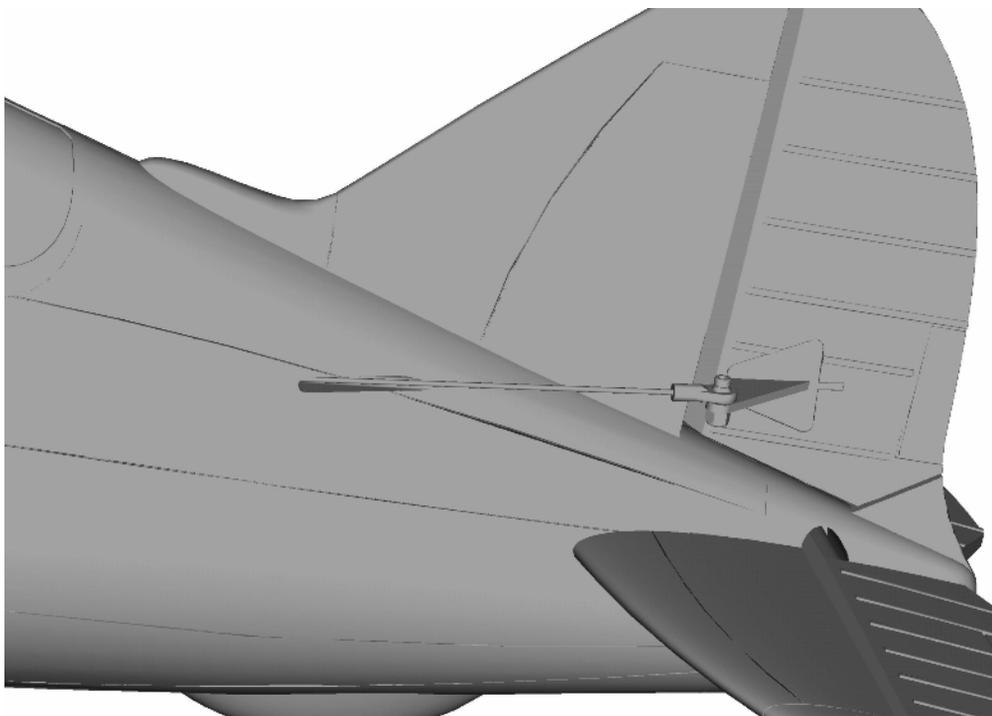
Apply glue to the red area only

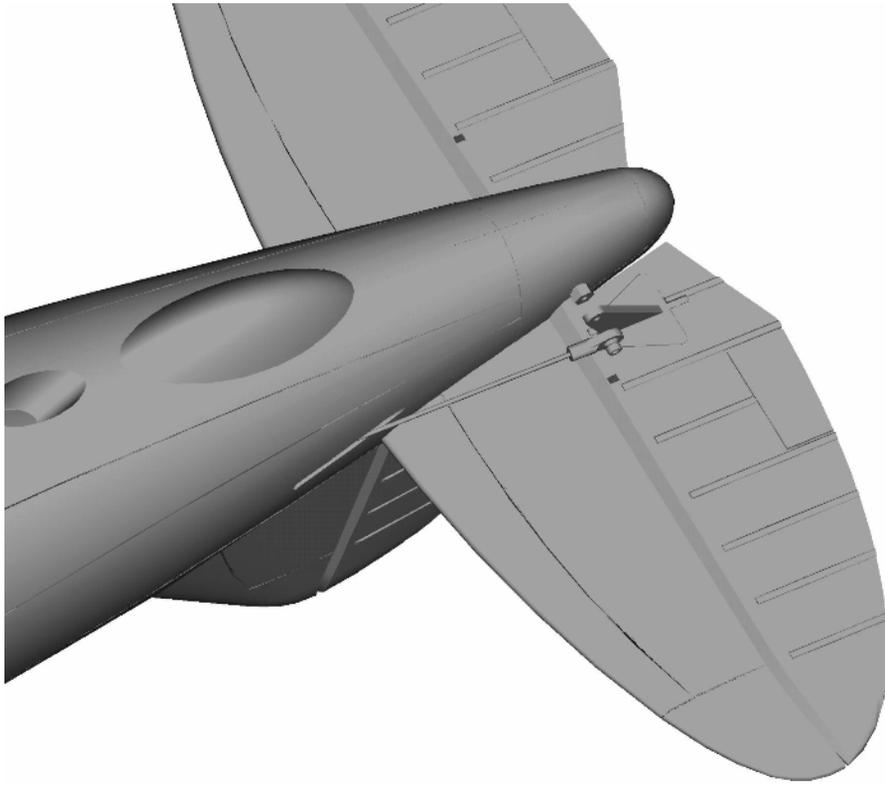
Glue into place the tailplane and tail cone



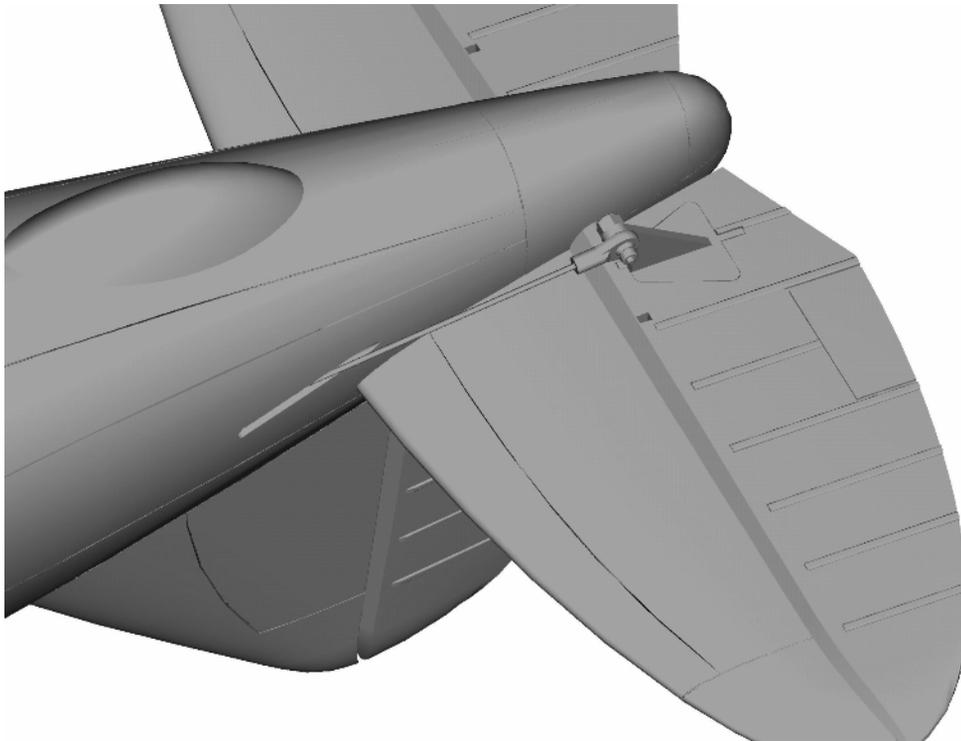


Install the rudder pushrod ballink assembly

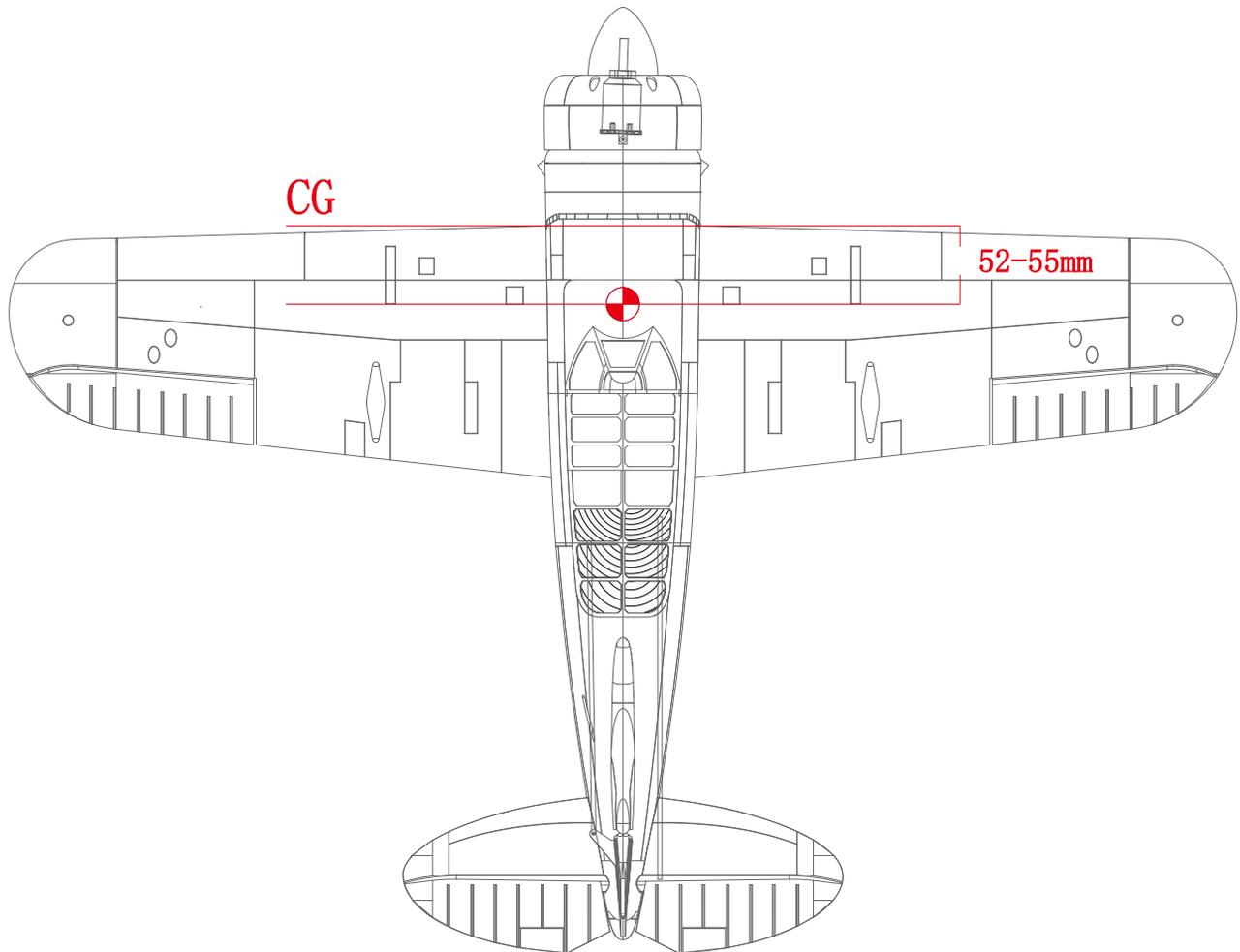




Install the elevator pushrod ballink assembly



CG



Center of gravity is between 52 and 55mm
from the leading edge of the wing



Suggested control throws:

Elevator: 8mm up - 8mm down.
Rudder: 15mm left - 15mm right.
Ailerons: 14mm up - 14mm down.
Exponential: 30-35%.

The above control throws are just our suggestions and can be tweaked according to your particular flying style but they are a great place to start. For first flights we recommend that you position the center of gravity on the forward mark then once you have become accustomed to the flying characteristics it can be adjusted as you feel necessary.

For first flights we recommend you enlist the help of an experienced pilot to hand launch the model for you, it just makes life easier and a bit safer. You will find however that once you are used to the Buffalo then hand launching it yourself is very straightforward.

Have fun and enjoy the Durafly Brewster Buffalo and watch our website at HobbyKing.Com for more fun scale models in the "Throw it and Show it" series.

