#### Radio control model / Flugmodel

# U.S NAVY DIVE BOMBER SBD-5 DAUNTLESS



VQ No: VQA120 ALL BALSA, PLYWOOD CONSTRUCTION AND ALMOST READY TO FLY

### Instruction manual / Montageanleitung

#### **SPECIFICATIONS**

Length:	1060mm` (46 in)
Electric Motor:	
Glow Engine:	46 2-T / .70 4-T
RTF Weight: 3.2Kg / 7.	05lbs (Will vary with
Equipment Used).	`
Radio:7-8	Channel / 7-8 Servos
Function: Ailerons-Elevator-Rudder-Throttle	
Flaps-Optional Retractable Landing Gear.	

Wingspan:.....1540mm (61.4in)

#### **TECHNISCHE DATEN**

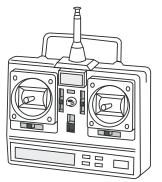
Spannweite:	1540mm
	1060mm
	(siehe nächste Seite)
	7.45cc - 11.5cc
Fluggewicht:	3.2Kg
Fernsteuerung	7-8 Kanal / 7-8 Servos



**WARNING!** This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of controll and cause serious human injury or property damage. Before flying your airplane, ensure the air field is spacious enough. Always fly it outdoors in safe areas and seek professional advice if you are unexperienced.

**ACHTUNG!** Dieses ferngesteuerte Modell ist KEIN Spielzeug! Es ist für fortgeschrittene Modellflugpiloten bestimmt, die ausreichende Erfahrung im Umgang mit derartigen Modellen besitzen. Bei unsachgemässer Verwendung kann hoher Personen- und/oder Sachschaden entstehen. Fragen Sie in einem Modellbauverein in Ihrer Nähe um professionelle Unterstätzung, wenn Sie Hilfe im Bau und Betrieb benötigen. Der Zusammenbau dieses Modells ist durch die vielen Abbildungen selbsterklärend und ist für fortgeschrittene, erfahrene Modellbauer bestimmt.

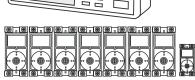
#### REQUIRED FOR OPERATION (Purchase separately)



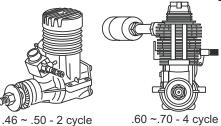
10.5x6 for .40 - 2 cycle engine 11x6 for .46 - 2 cýcle engine 12x6 for .60 - 4 cycle engine 12x7 for .70 - 4 cycle engine 13x7 - 13x8 for electric motor



Extension cord for aileron servos: 50cm(x2) Extension cord for flap servos: 50cm(x2) Extension cord for retract servos: 30cm(x2) Extension cord for Rx battery pack: 20cm(x1)



Minimum 7 channel radio with 7 (6 for EP) standard servos and one servo mini. .Motor control x1(for GP) .Elevator x1 .Rudder x1. Aileron x2. R-L Flap x2 .Center flap x1mini

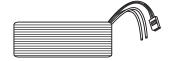








700-800W Brushless Motor



5 cell 4500mAh LiPo battery







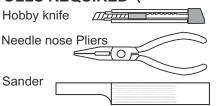
Cyanoacrylate Glue (thin type)

Silicone tube

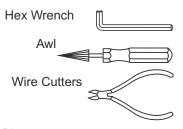


**Epoxy Glue** (30 minute type)

**TOLLS REQUIRED (Purchase separately)** 



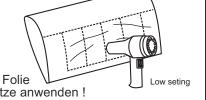
Phillip screw driver Scissors



Masking tape - Straight Edged Ruler - Pen or pencil - Drill and Assorted Drill Bits

If exposed to direct sunlight and/or heat, wrinkels can appear. Storing the model in a cool place will let the wrinkles disappear. Otherwise, remove wrinkles in covering film with a hair dryer, starting with low temperature. You can fix the corners by using a hot iron.

Bei Sonneneinstrahlung und/oder Wärme kann die Folie erschlaffen bzw. Falten entstehen. Verwenden Sie ein Warumluftgebläse (Haartrockner) um evtl. Falten aus der Folie zu bekommen. Die Kanten können Sie mit einem Bügeleisen behandeln. Nicht zuviel Hitze anwenden!



Symbols used throughout this instruction manual, comprise:



Drill holes using the stated size of drill (in this case 1.5 mm)



Take particular care here



Hatched-in areas: remove covering film carefully



Check during assembly that these parts move freely, without binding



Use epoxy glue



Apply cyano glue



Assemble left and right sides the same way.



Not included. These parts must be purchased separately



Löcher bohren mit dem angegebenen Bohrer (hier 1,5 mm)



Hier besonders aufpassen



Schraffierte Stellen, Bespannfolie vorsichtia entfernen



Während des Zusammenbaus immer prüfen, ob sich die Teile auch reibungslos bewegen lassen



Epoxy-Klebstoff verwenden



Sekundenkleber auftragen



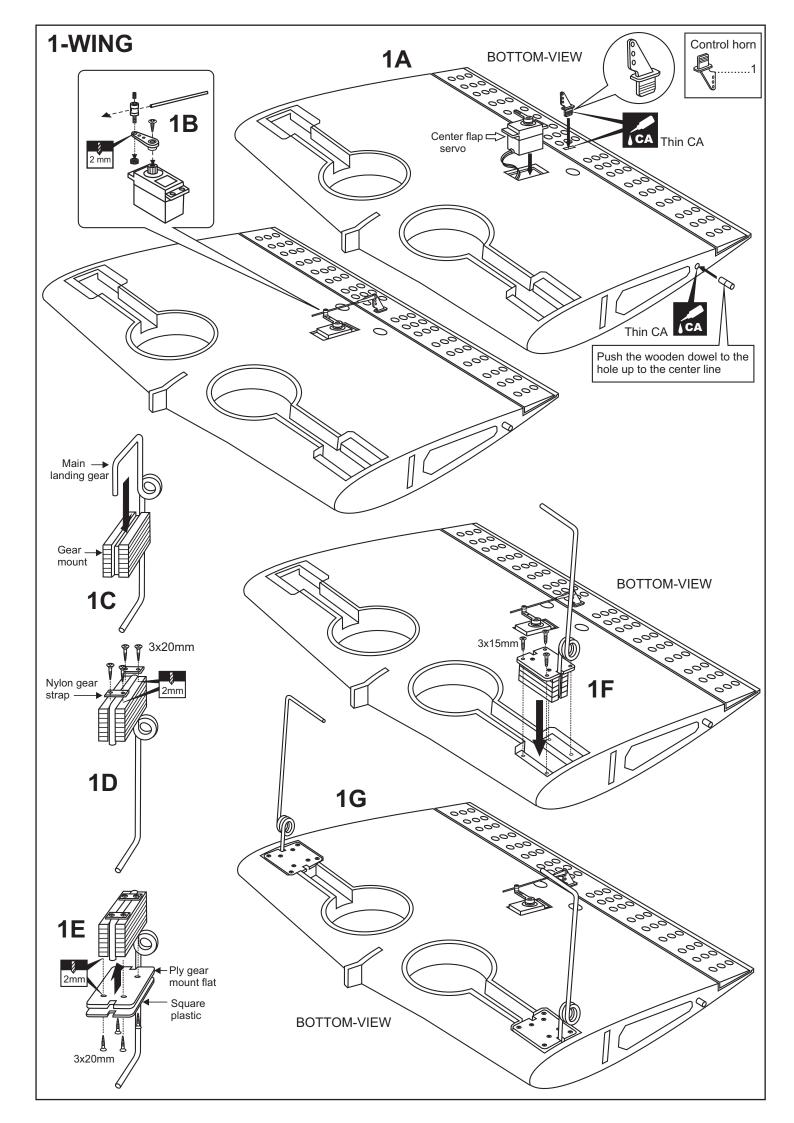
Linke und rechte Seite wird gleichermaßen zusammengebaut

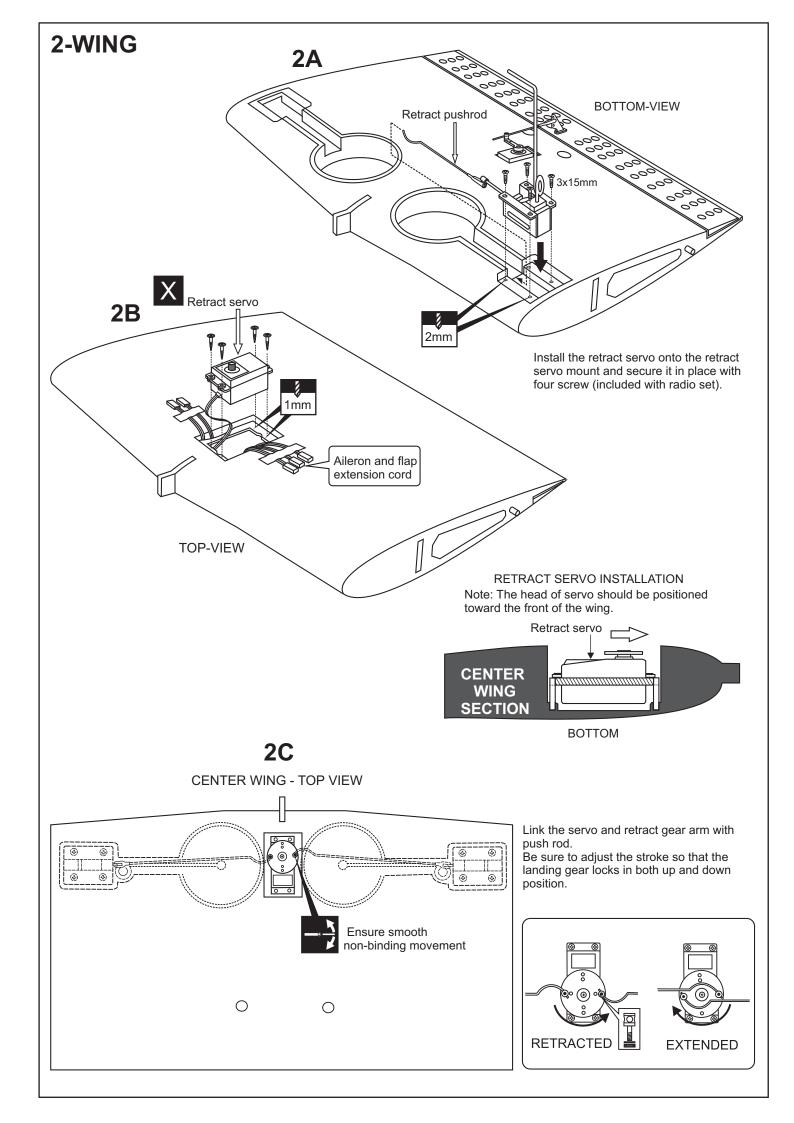


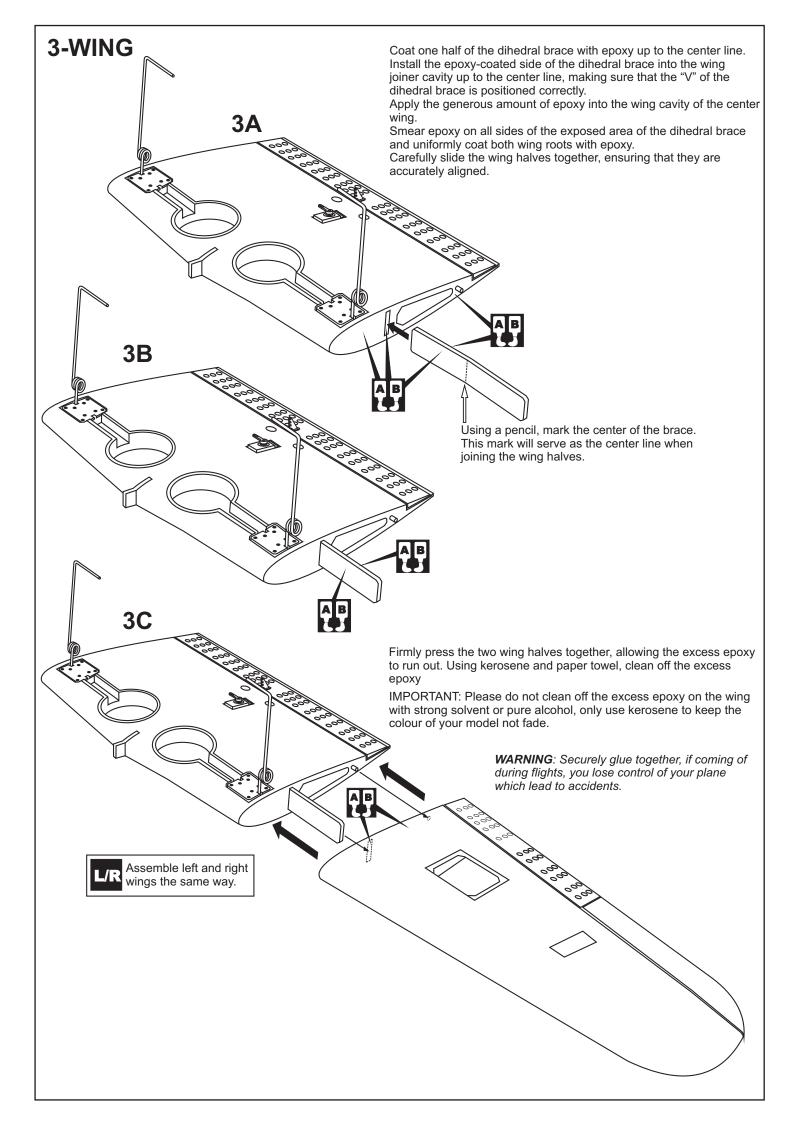
Nicht enthalten. Teile müssen separat gekauft werden.

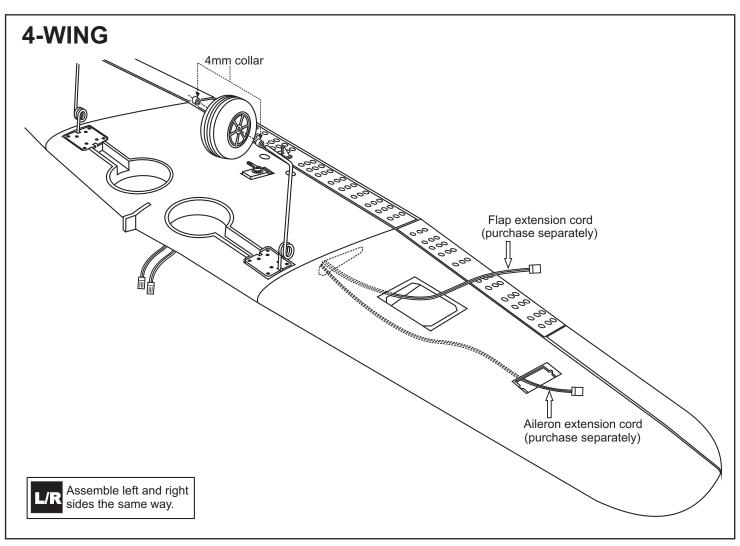
Read through the manual before you begin, so you will have an overall idea of what to do. **CONVERSION TABLE** 

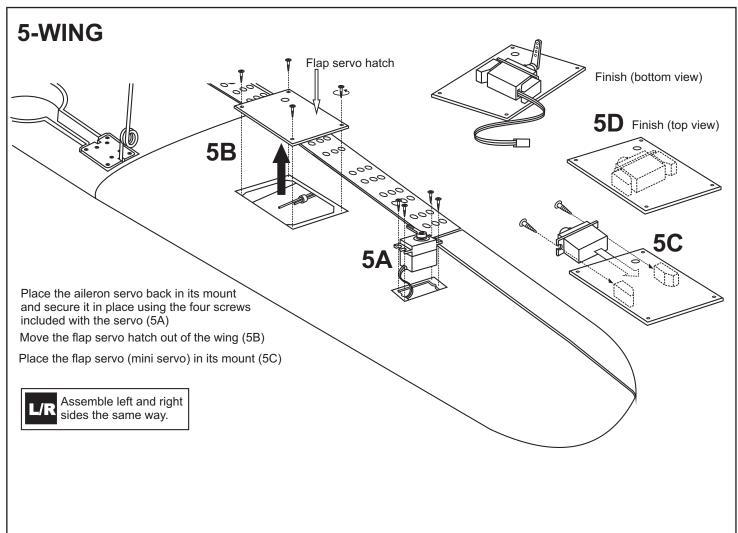
1.0mm = 3/64" 3.0mm = 1/8" 10mm = 13/32" 25mm = 1"12mm = 15/32" 30mm = 1-3/16" 4.0mm = 5/32" 1.5mm = 1/16" 15mm = 19/32" 2.0mm = 5/64" 5.0mm = 13/64" 45mm = 1-51/64" 20mm = 51/64" 6.0mm = 15/64" 2.5mm = 3/32"

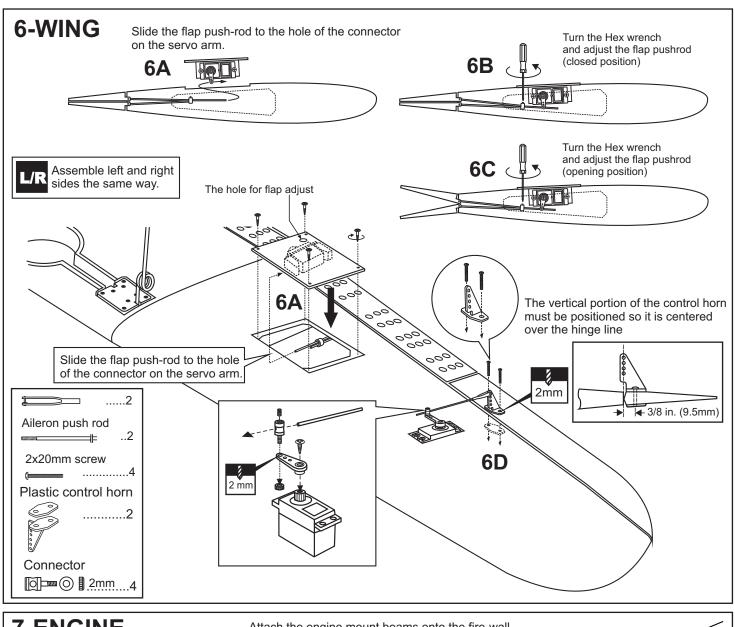


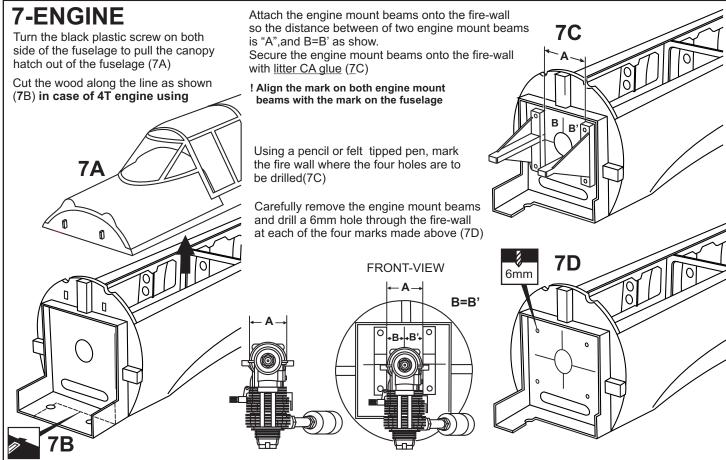




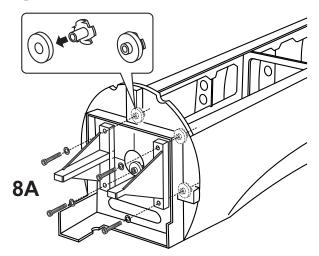








#### 8-ENGINE

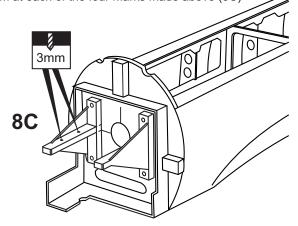


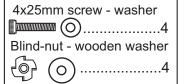
Insert the blind-nut with the wooden washer onto each of the four holes make above.

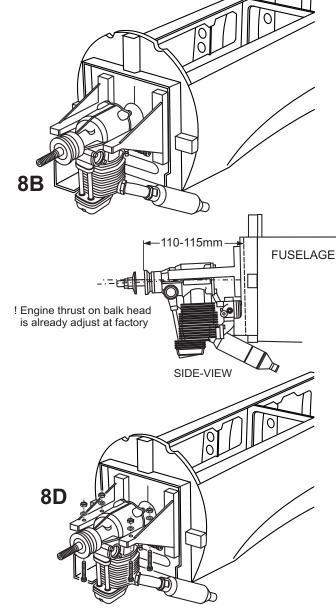
Reposition the engine mount beams on to the fire-wall and secure them with four 4x25mm screw (8A)

Position the engine to the engine mounts so the distance from the prop hub to the fire-wall is 110-115mm. Mark the engine mounting plate where the four holes are to be drilled (8B)

Remove the engine and drill a 3mm holes through the beam at each of the four marks made above (8C)







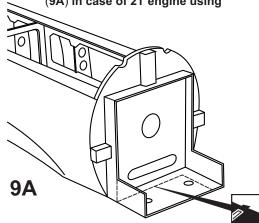
Reposition the engine on the engine mount beams, aligning it with the holes. Secure the engine to the engine mount using four 3x25mm screws (8D)

Note: Apply Silicon sealer to each of the 3x25mm screw.

## 3x25mm screw ......4 Washer ......4



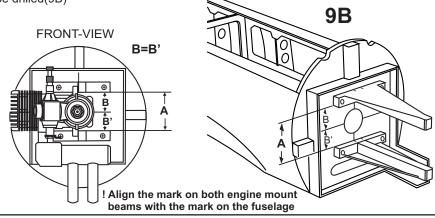
Cut the wood along the line as shown (9A) in case of 2T engine using

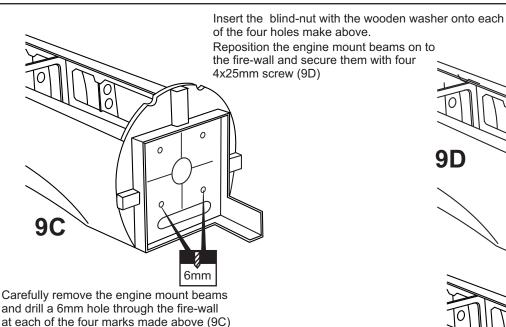


Attach the engine mount beams onto the fire-wall so the distance between of two engine mount beams is "A", and B=B' as show.

Secure the engine mount beams onto the fire-wall with <u>litter CA glue</u> (<u>9B</u>)

Using a pencil or felt tipped pen, mark the fire wall where the four holes are to be drilled(9B)



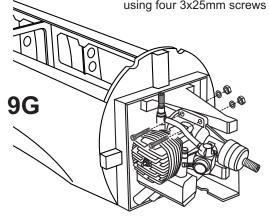


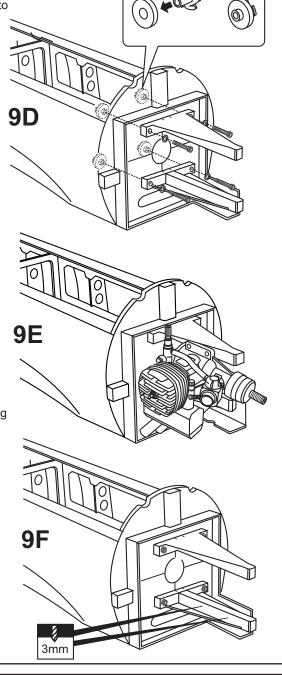
and drill a 6mm hole through the fire-wall at each of the four marks made above (9C)

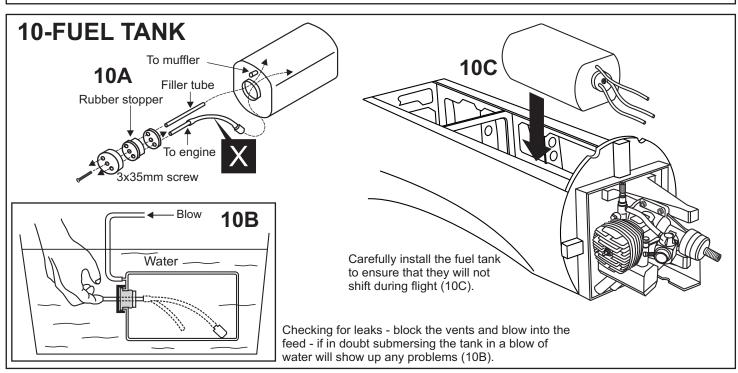
> Position the engine to the engine mounts so the distance from the prop hub to the fire-wall is 110-115mm. Mark the engine mounting plate where the four holes are to be drilled (9E)

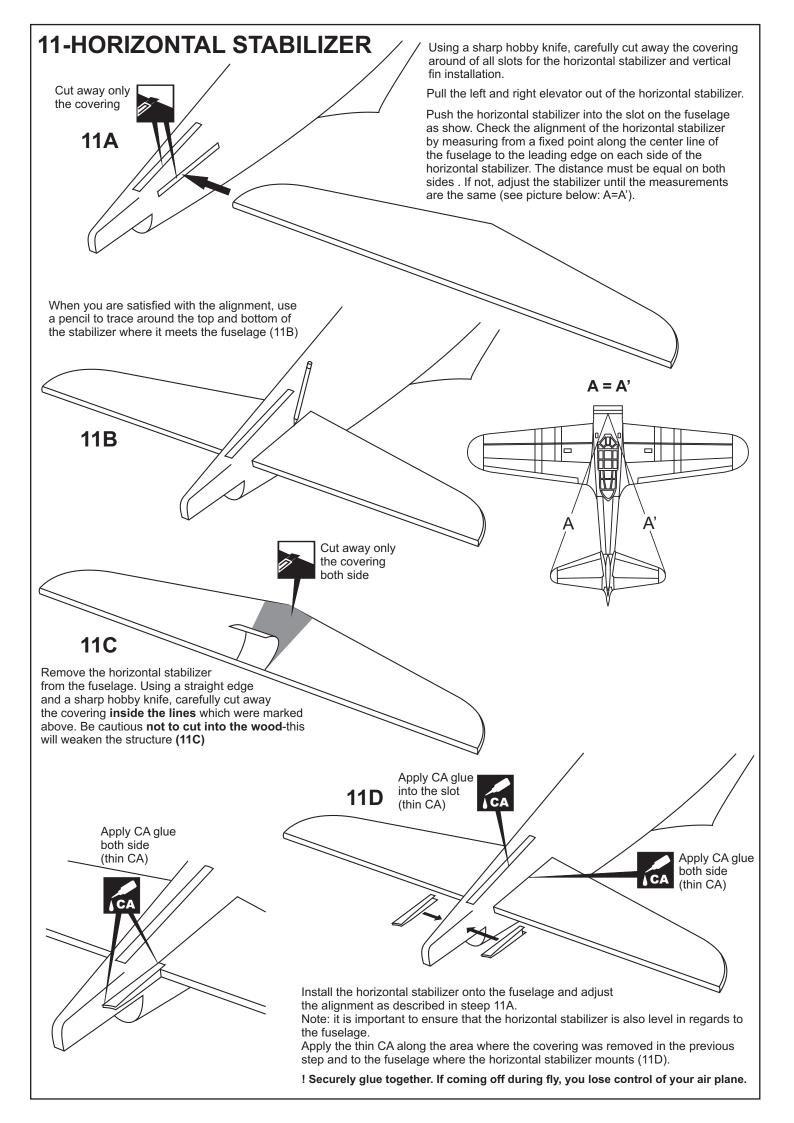
Remove the engine and drill a 3mm holes through the beam at each of the four marks made above (9F)

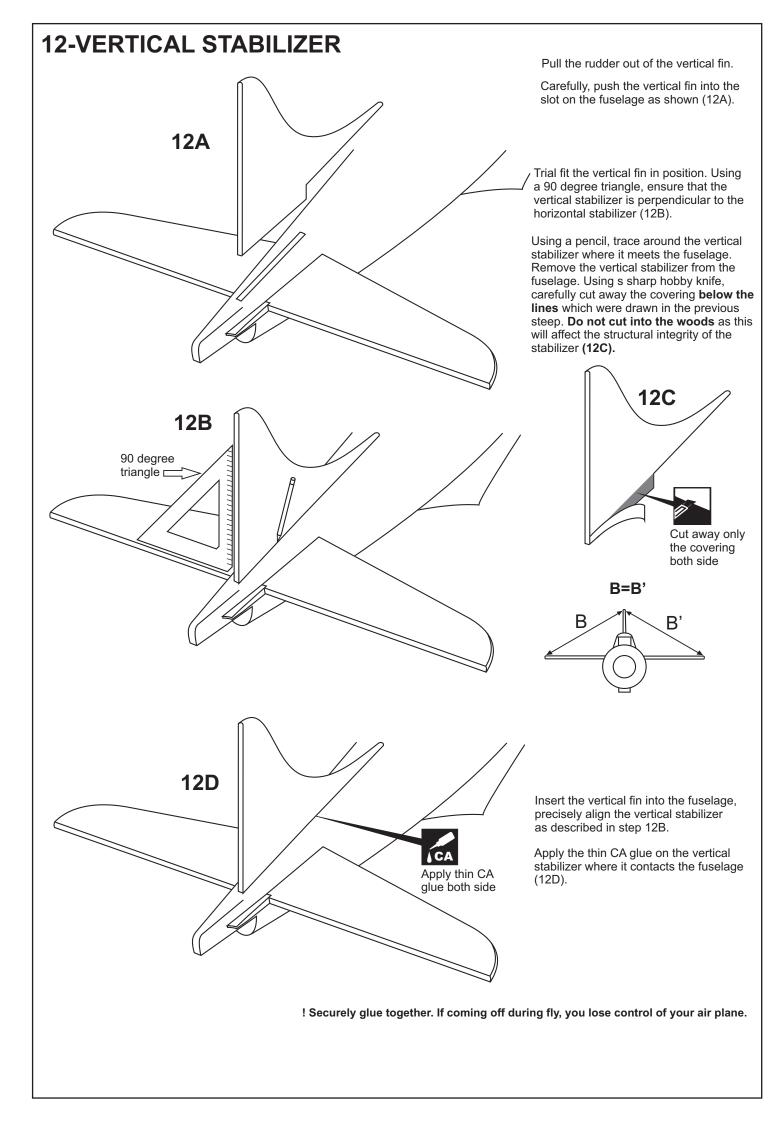
Reposition the engine on the engine mount beams, aligning it with the holes. Secure the engine to the engine mount using four 3x25mm screws (9G)

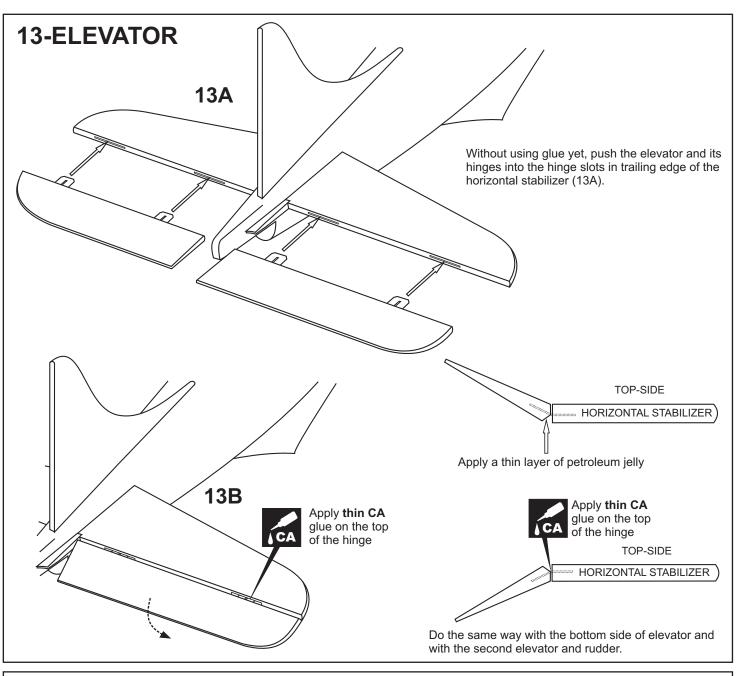


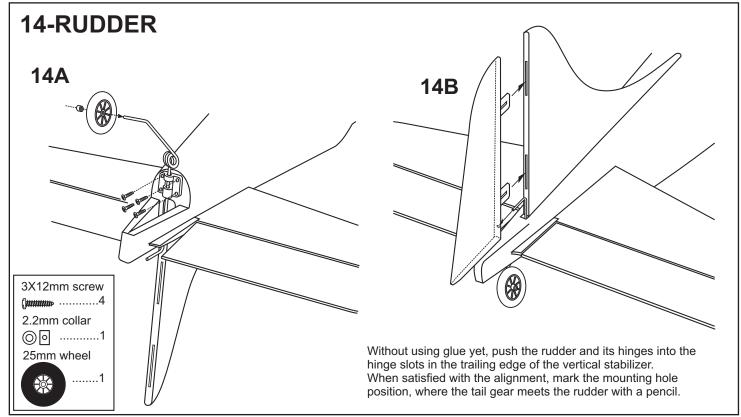


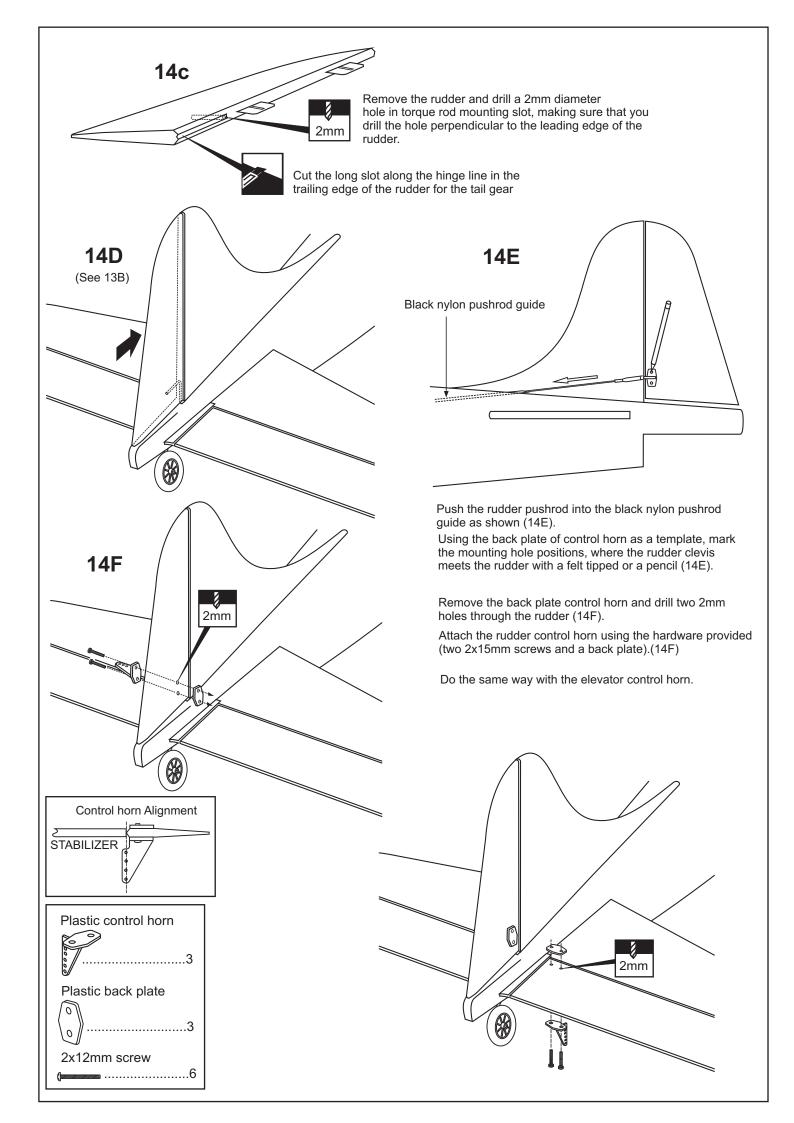


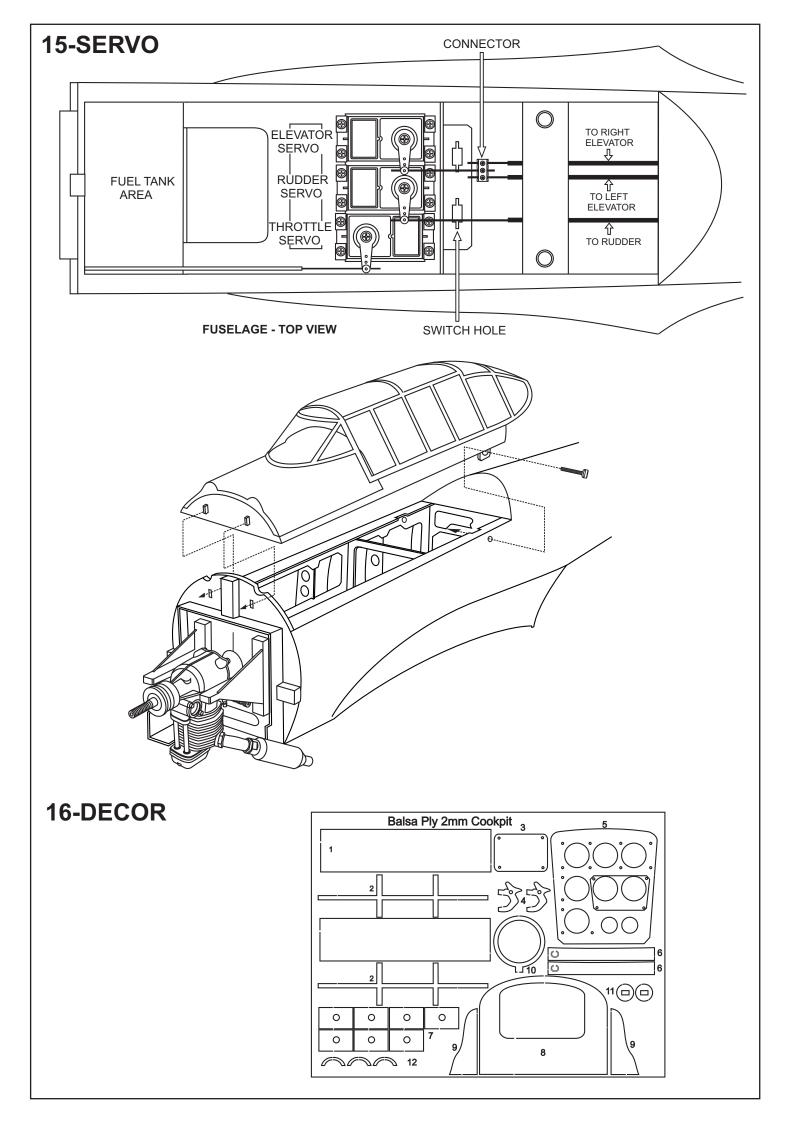


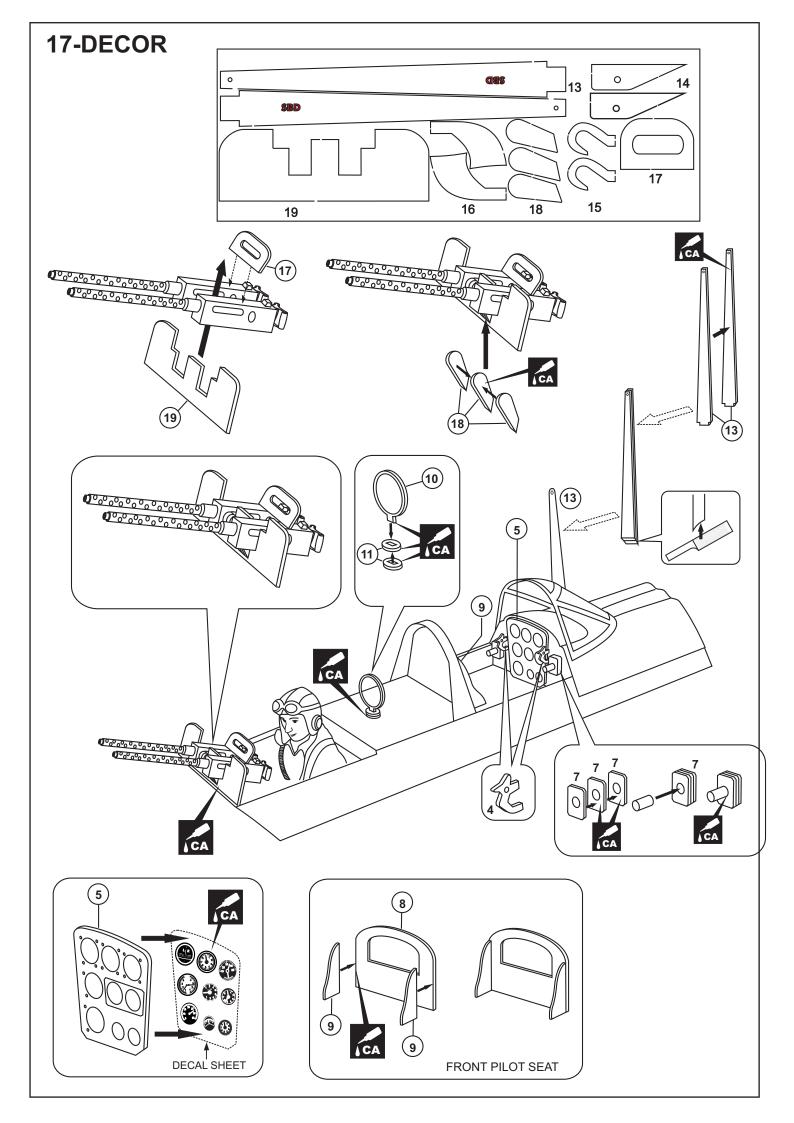


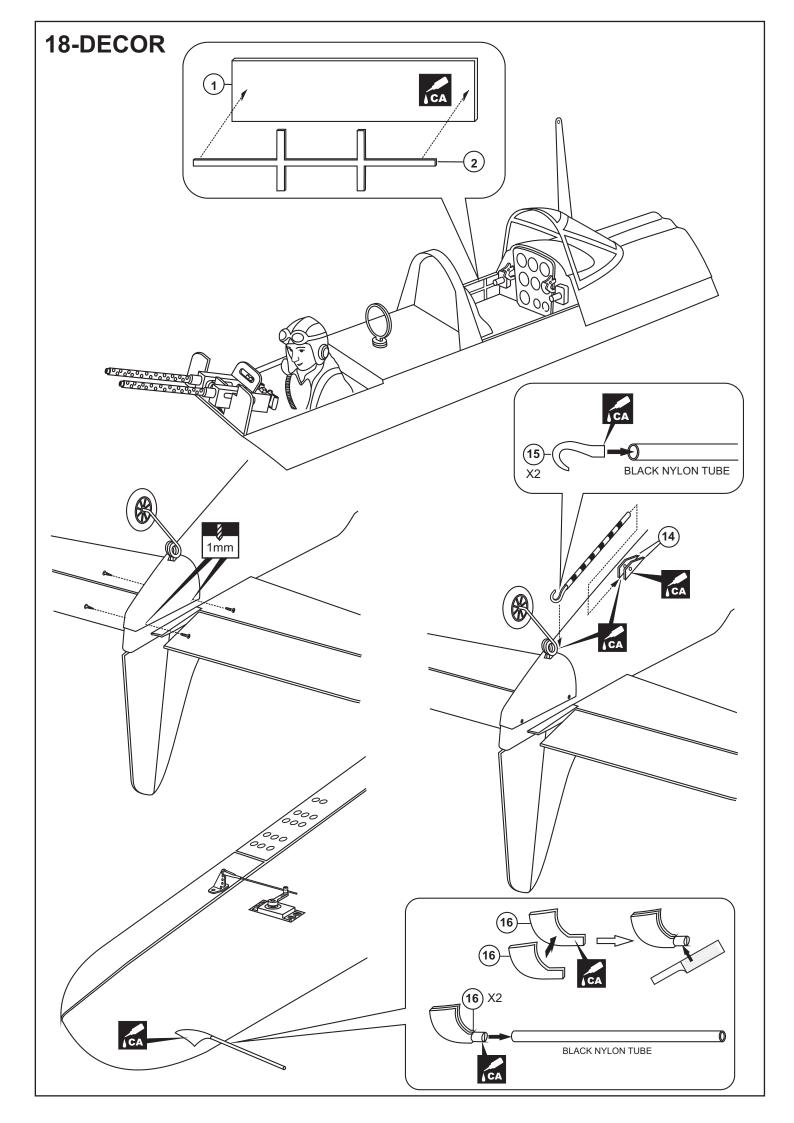


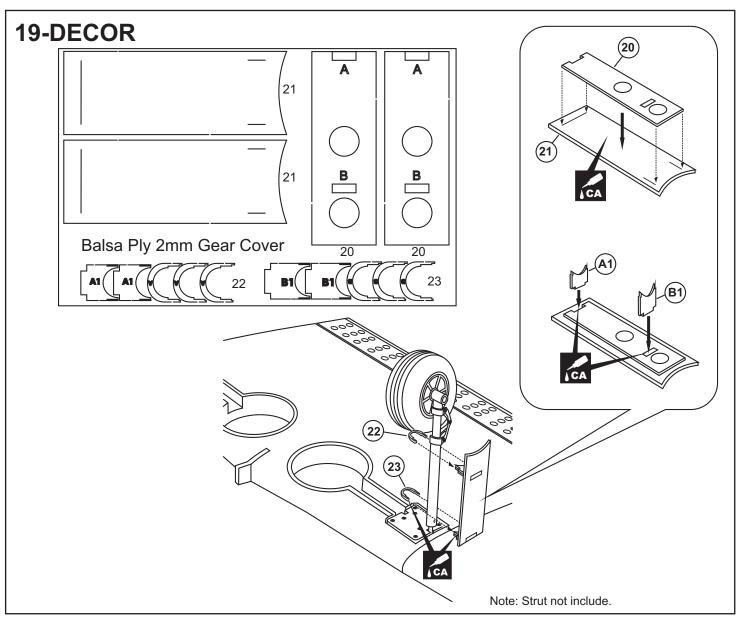


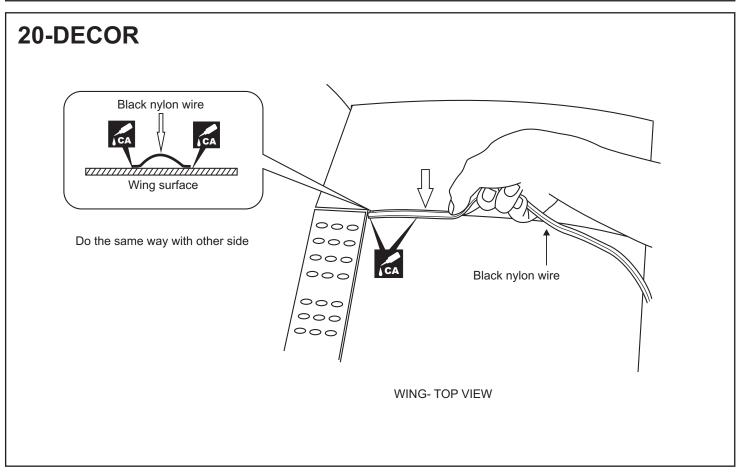


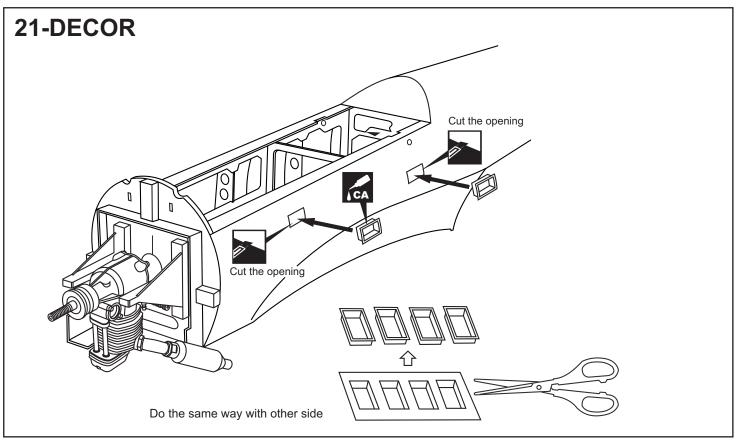


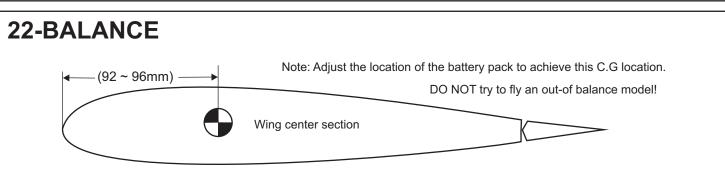


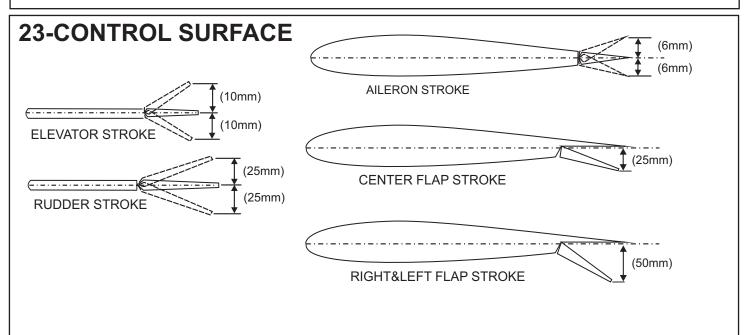












IMPORTANT: Please do not clean your model with strong solvent or pure alcohol, only use kerosene to keep the colour of your model not fade.

These value will be suitable for average flight requirements. Adjust the values to suit your particular needs.

Adjust the travel of the control surfaces to achieve the values stated in the diagrams.