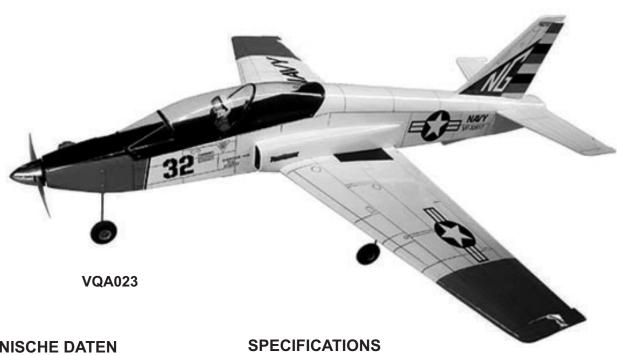
RADIO CONTROL MODEL / RC FLUGMODELL

Sport "JET" TOMHAWK

Instruction manual / Montageanleitung

ALL BALSA, PLYWOOD CONSTRUCTION AND ALMOST READY TO FLY



TECHNISCHE DATEN

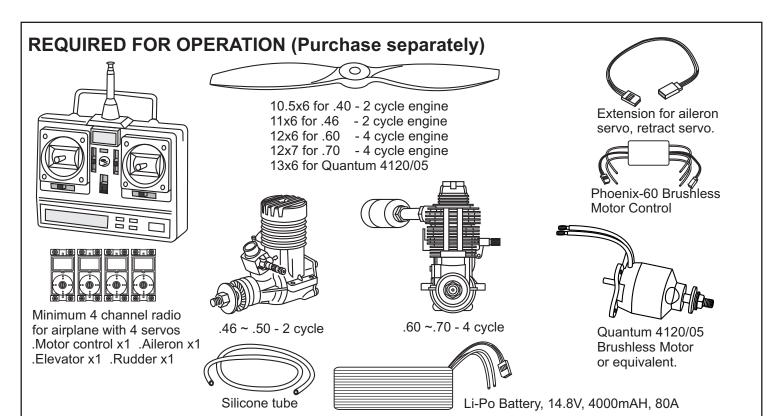
Spannweite 1372mm 870 Watt (PULSAR 60) Elektroantrieb 7.5cc 2-T Verbrennerantrieb 4 Kanal / 4 Servos Fernsteuerung

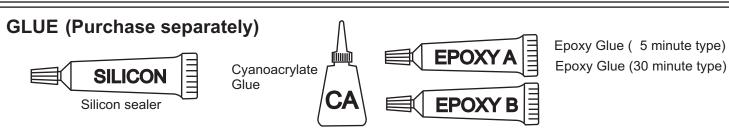
Wingspan 1372mm 870 Watt (PULSAR 60) Electric Motor Glow Engine 46 2-T 4 Channel / 4 Servos Radio

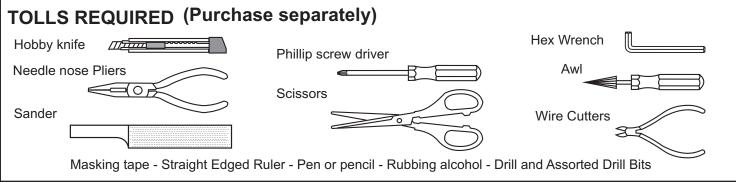
WARNING! This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of controll and cause serious human injury or property damage. Before flying your airplane, ensure the air field is spacious enough. Always fly it outdoors in safe areas and seek professional advice if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



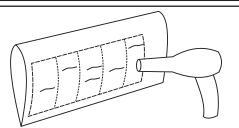






The pre-covered film on ARF kit may wrinkle due to variations of temperature. Smooth out as explained right.

* Use an iron or heat gun. Start as low setting. Increase the setting if necsessary. If it is too high, you may damage the film



Symbols used throughout this instruction manual, comprise:



Drill holes using the stated 1.5mm size of drill

(in this case 1.5 mm Ø)



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.

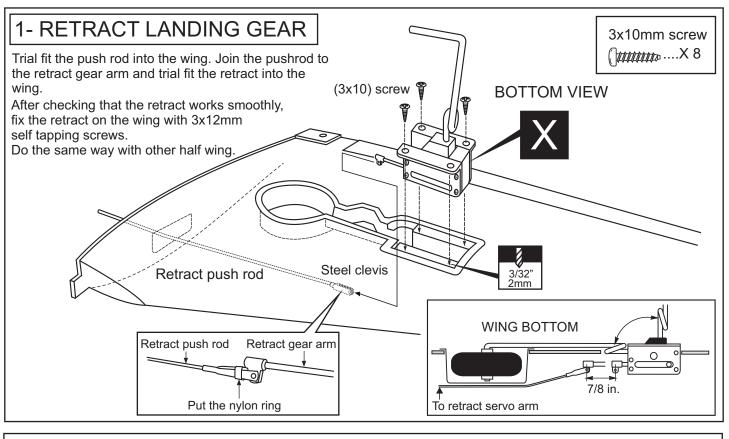


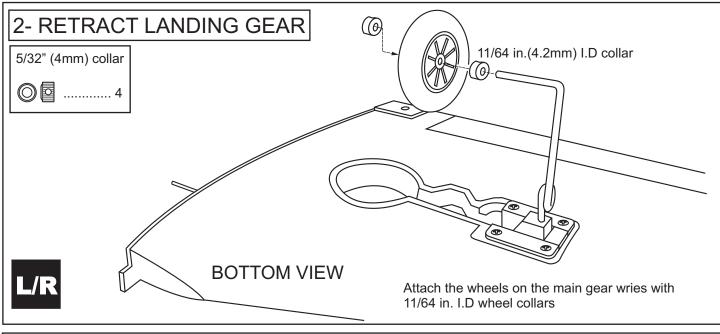
These parts must be purchased separately

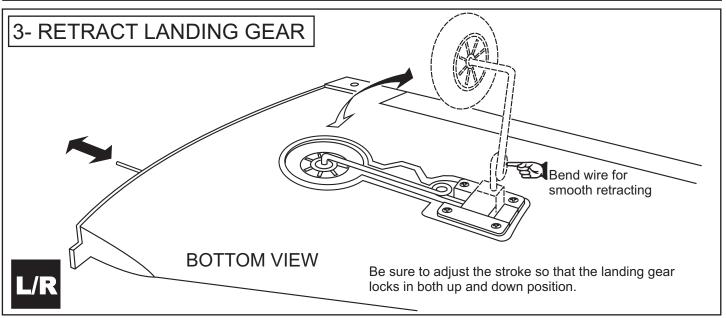
Not included.

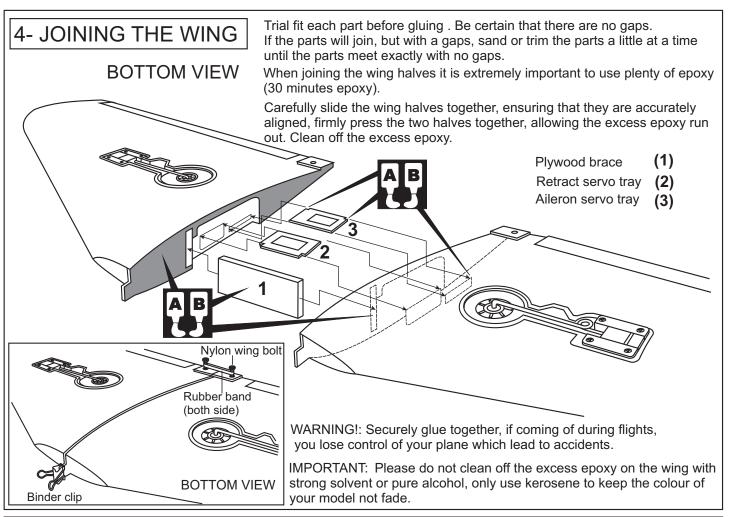
Read through the manual before you begin, so you will have an overall idea of what to do. **CONVERSION TABLE**

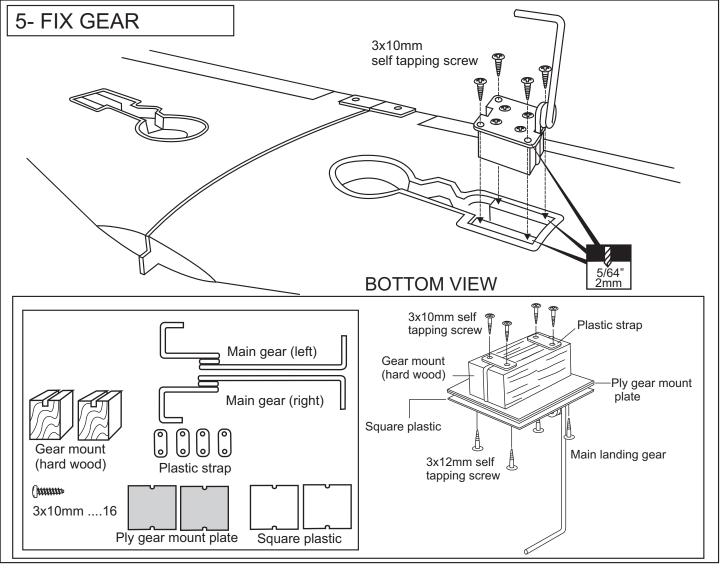
1.0mm = 3/64"	3.0mm = $1/8$ "	10mm = 13/32"	25mm = 1"
1.5mm = 1/16"	4.0mm = $5/32$ "	12mm = 15/32"	30mm = 1-3/16"
2.0mm = 5/64"	5.0mm = 13/64"	15mm = 19/32"	45mm = 1-51/64"
2.5 mm = 3/32"	6.0mm = 15/64"	20mm = 51/64"	

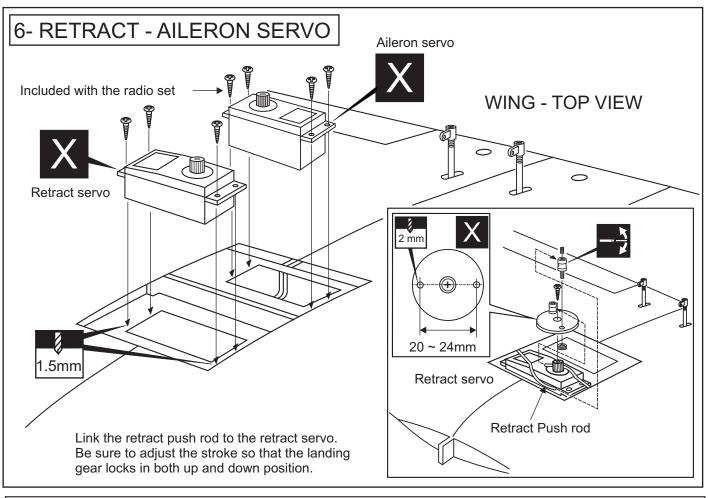


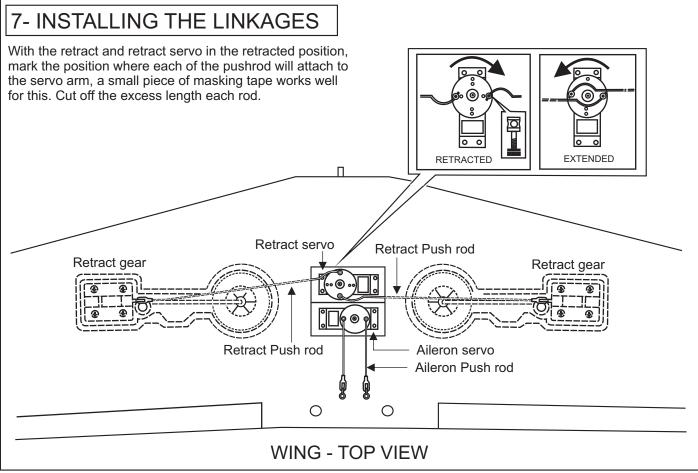




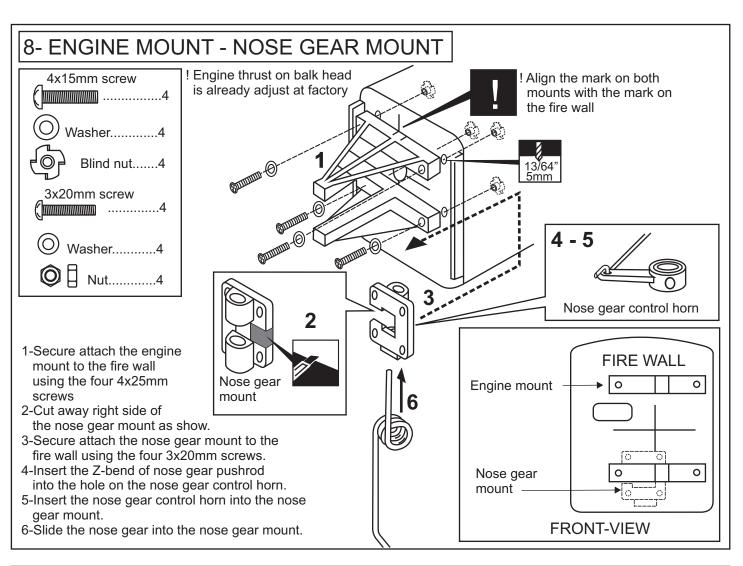


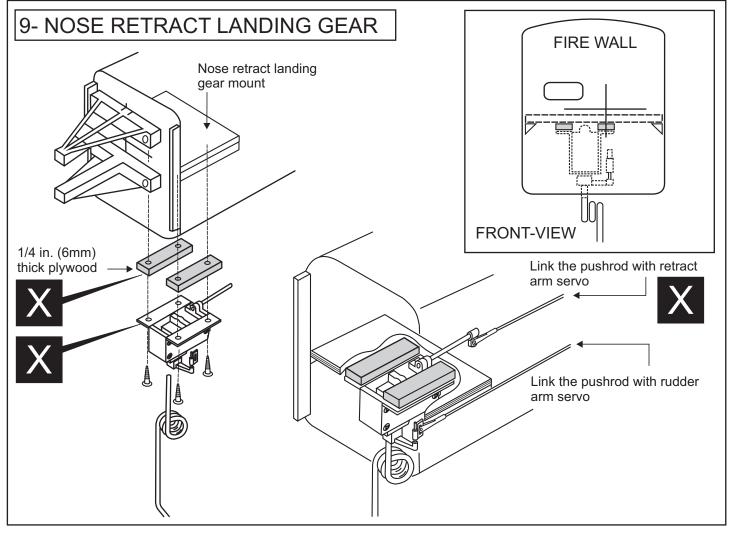


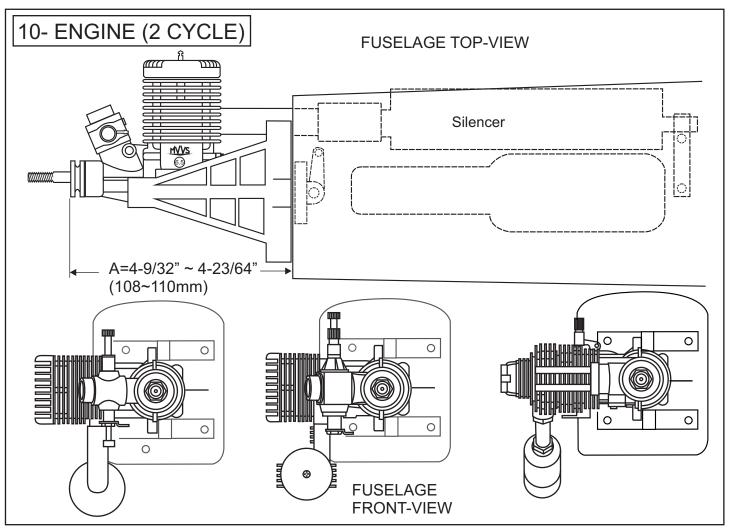


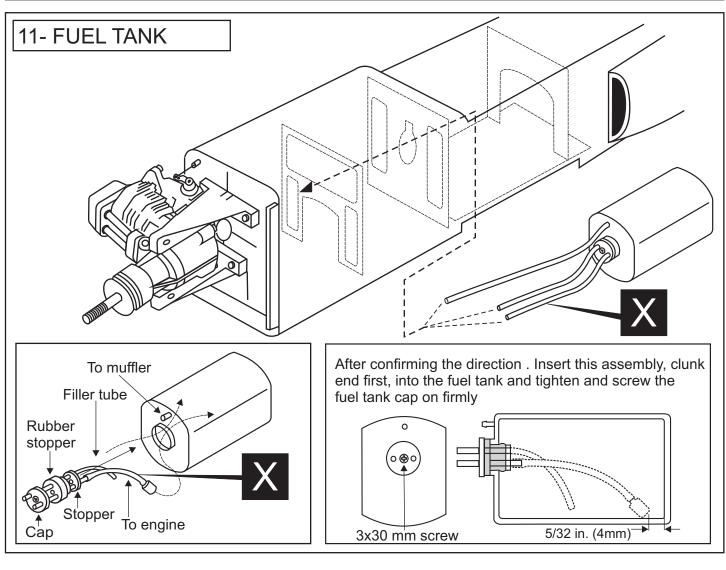


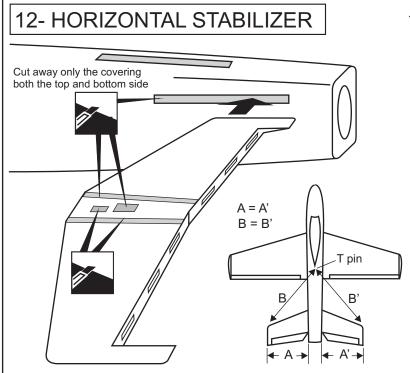












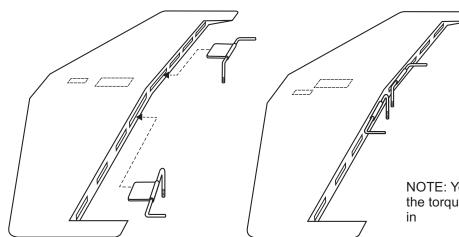
Trial fit the horizontal stabilizer in place on the fuselage. Check the alignment of the horizontal stabilizer by measuring from a fixed point along the center line of the fuselage to the leading edge on each side of the horizontal stabilizer. The distance must be equal on both sides.

Using the pencil trace around the top and bottom of the stabilizer where it meets the fuselage.

Remove the horizontal stabilizer from the fuselage. Remove the covering material from over both the precut elevator servo and rudder torque rod holes and from the gluing surfaces on both the top and bottom of the horizontal stabilizer.

NOTE: Do not glue the horizontal stabilizer into the fuselage at this time.

13- HORIZONTAL STABILIZER

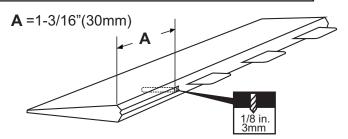


Cut two 7/8" (22mm) long slots along the hinge line in the trailing edge of the horizontal stabilizer for the two elevator torque rod bearings. Position one slot on each side of the horizontal stabilizer, 1"(25mm) out from the centerline.

Test-fit the two elevator torque rods into the slot, marking sure that the threaded portion of each torque rod is toward the bottom of the horizontal stabilizer.

NOTE: You may need to open up the slots so that the torque rod bearing are not too difficult to push in

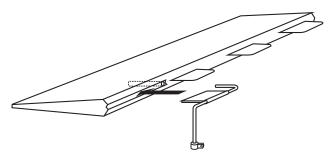
14- HORIZONTAL STABILIZER



Cut away the covering material from over the precut elevator torque rod mounting slot in each elevator half.

Drill a 1/8"(3mm) diameter hole in each torque rod mounting slot, marking sure that you drill the hole perpendicular to the leading edge of the elevator half.

Position each hole 1-3/16" (30mm) out from the edge of the elevator half.



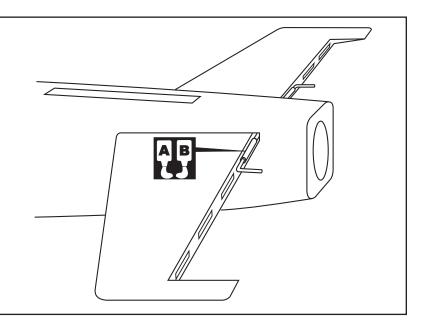
Thread one nylon adjustable control horn onto the end of each elevator torque rod, making sure that the adjustable control horn face forward.

Test-fit one torque rod into each elevator half. Each torque rod should fit firmly in the precut groove and the outer surface of the torque rods should be nearly flush with the leading edge of the elevator halves. When satisfied with the fit and alignment, remove the torque rods and set them aside for now.

15- HORIZONTAL STABILIZER

Slide the horizontal stabilizer partially into the fuselage, marking sure that the top of the horizontal stabilizer is toward the top of the fuselage.

Apply a thin layer of petroleum jelly to only the pivot point of the torque rod bearing, then slide the adjustable control horn through the side of the fuselage and glue the torque rod bearing into the slot you cut previously in the horizontal stabilizer, using a thin layer of 5 minute epoxy.



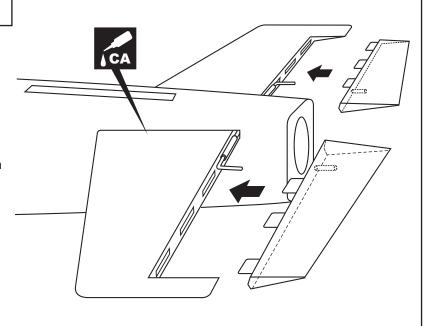
16- HORIZONTAL STABILIZER

After the epoxy sets up. Pull the horizontal stabilizer through the other side of the fuselage and repeat the previous procedures to glue the second torque rod wire into the horizontal stabilizer.

Realign the horizontal stabilizer, then glue the horizontal stabilizer into the fuselage, using a generous amount of thin CA. Apply thin CA to each of the four joints and use a generous amount to ensure to strong bond.

The elevator hinges are preglue into the elevator halves. Working with one elevator half for now, apply a thin layer of petroleum jelly to only the pivot point of the two hinges.

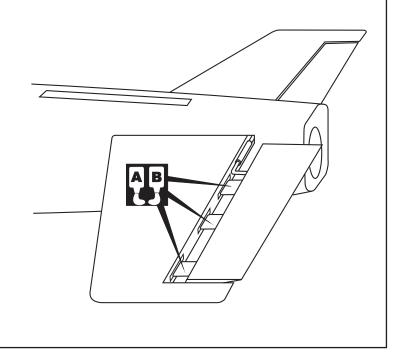
Slide a small piece of waxed paper between the torque rod and the horizontal stabilizer to prevent gluing the torque rod solid.

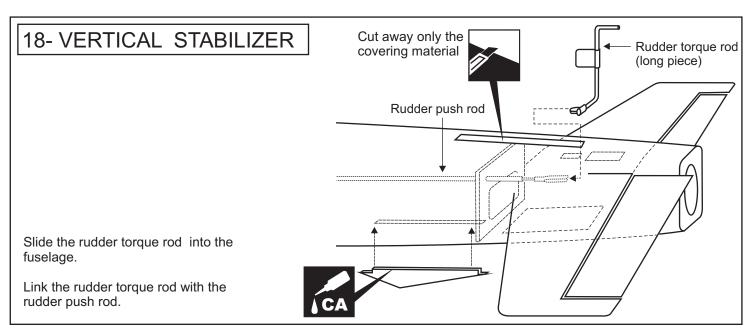


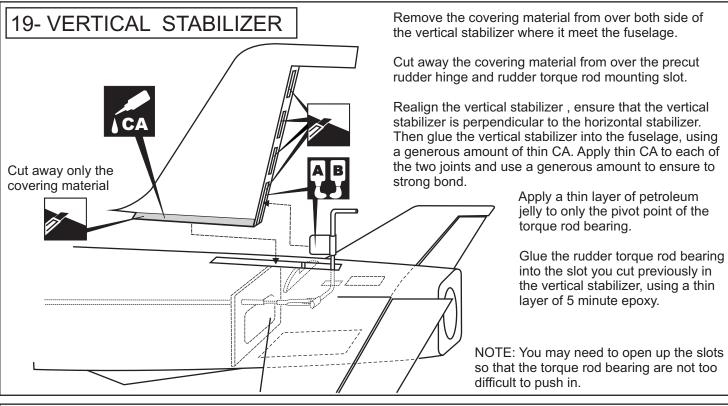
17- ELEVATOR

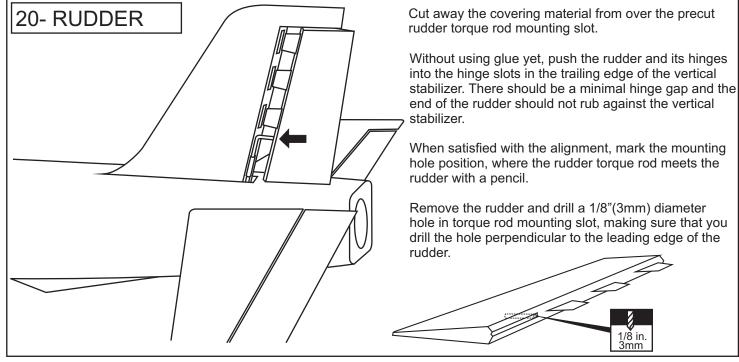
Without using glue yet, push the elevator half and its hinges into the hinge slots in the trailing edge of the horizontal stabilizer, marking sure that the torque rod is firmly seated in the slot in the elevator half. There should be a minimal hinge gap and the end of the elevator half should not rub against the horizontal stabilizer.

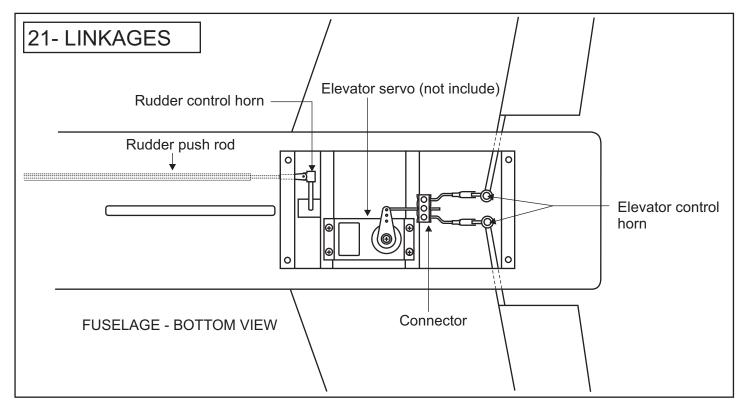
When satisfied with the fit and alignment, hinge the elevator half to the horizontal stabilizer, using 5 minute epoxy. Make sure to apply a thin layer of epoxy to the top and bottom of both hinges and to the inside the torque rod mounting slot and to the end of the torque rod itself. Repeat the previous procedures to hinge the second elevator half to the other side of the horizontal stabilizer.

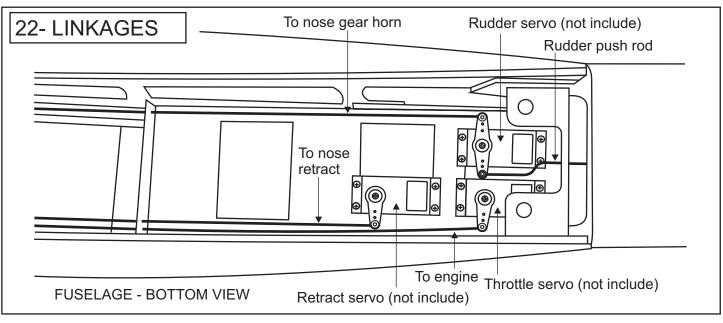


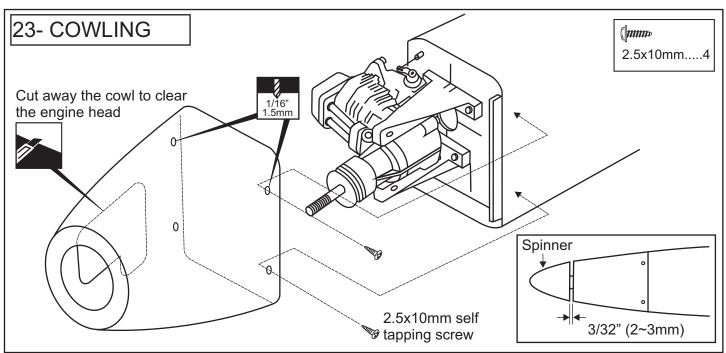


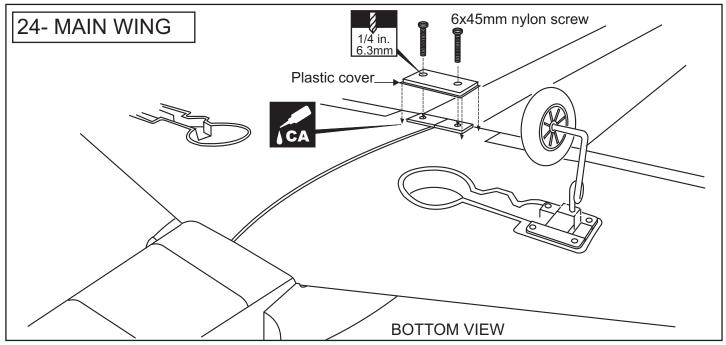


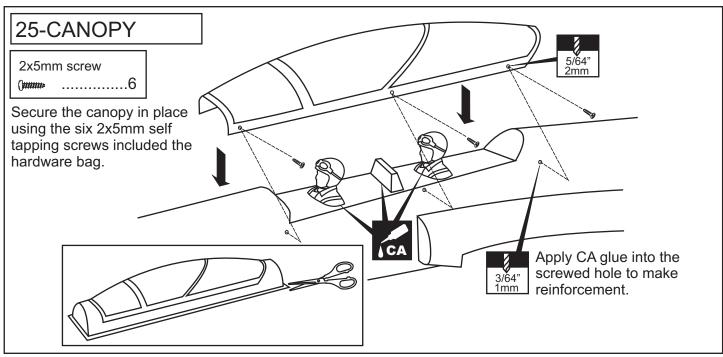


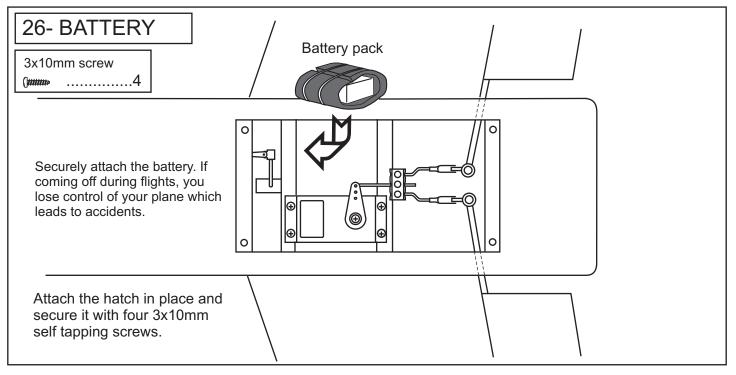


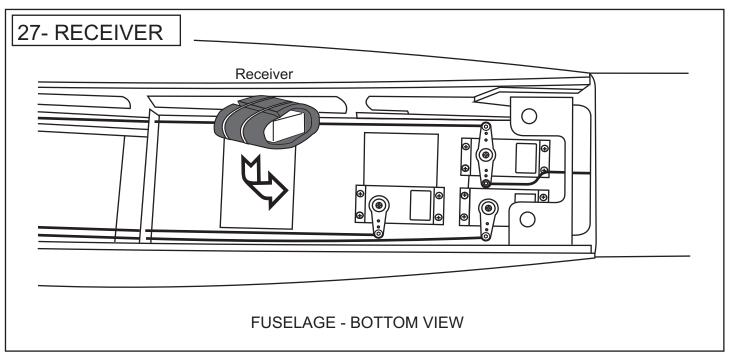


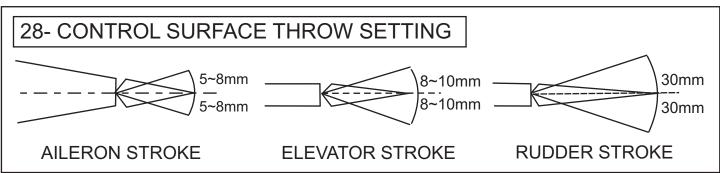


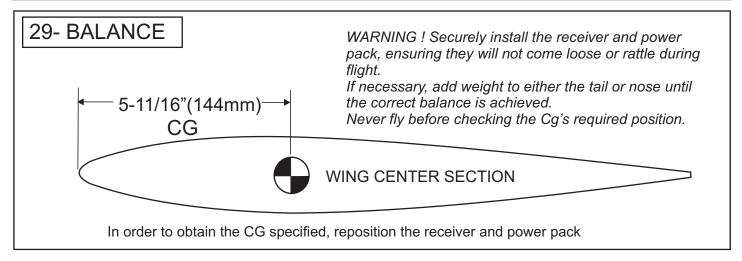












Warning!

BEFORE FLYING CHECK EVERYTHING

Before each flight, inspect the airplane for any loose parts. Check the hinges, make sure the pushrods are still firmly attached, and check the engine mounting bolts. In general, check everything on the plane that might possibly come loose.

CHECK THE FREQUENCE BEFORE FLYING

DO NOT FLY NEAR A POWER LINE

The power lines cause radio interference, so avoid flying near them.

Adjust the engine always from behind, but never from infront or the sides as rotating propeller may badly injure you! Do not allow watching people to get too close to a rotating propeller.

Ensure the spinner and propeller are securely attached. Immediately disure defective propeller as well as deformed spinners.

IMPORTANT: Please do not clean your model with pure alcohol, only use liquid soap with water or use glass-cleaner to clean on surface of your model to keep the colour not fade.