RADIO CONTROL MODEL / RC FLUGMODELL

NORTH AMERICAN HARVARD AT-6

BUILDING INSTRUCTIONS / MONTAGEANLEITUNG



SPECIFICATIONS

Wingspan 1540mm
Length 1030mm
Flying weight Approx 2700g
Electric Motor 650 Watt
Glow Engine 6,5cc 2T / 8,5cc 4-T
Radio 7 Channel / 8 Servos

Technische Daten

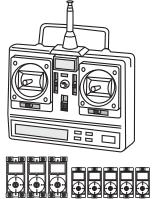
Spannweite 1540mm
Länge 1030mm
Fluggewicht 2700g
Elektroantrieb 650 Watt
Verbrennerantrieb 6,5cc 2T / 8,5cc 4T
Fernsteuerung 7 Kanal / 8 Servos



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 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.

REQUIRED FOR OPERATION (Purchase separately) BENÖTIGTE KOMPONENTEN FÜR DEN ABFLUG (Nicht enthalten)



Minimum 7 channel radio with 8 servos Motor x1. Aileron (mini servo)x2.

Flap (mini servo)x3. Elevator x1. Rudder x1

10.5x6 for .40 - 2 cycle engine 11x6 for .46 - 2 cycle engine 11x7 for .52 - 4 cycle engine 12x7 ~13x6 - Electric Motor



.40 ~ .46 - 2 cvcle

Silicone tube

Extension for aileron, flap servo and powerpack.



650Watt **Brushless Motor**

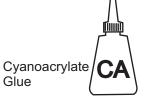
SAFETY NOTES BEFORE ASSEMBLING

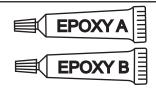
This model is highly pre-fabricated and can be built in a very short time. However, the work which you have to carry out is important and must be done carefully.

The model will only be strong and fly well if you complete your tasks competently - so please work slowly, accurately and check every joints, maybe apply more glue to be safe.



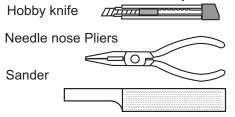




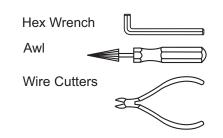


Epoxy Glue (5 minute type) Epoxy Glue (30 minute type)

TOLLS REQUIRED (Purchase separately)



Phillip screw driver Scissors



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

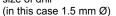
If exposed to direct sunlight and/or heat, wrinkels can appear. Storing the model in a cool place will let the wrinkles disappear. Otherwise, remove wrinkles in covering film with a hair dryer, starting with low temperature. You can fix the corners by using a hot iron.

Bei Sonneneinstrahlung und/oder Wärme kann die Folie erschlaffen bzw. Falten Low setting 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





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 vorsichtig entfernen



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



Epoxy-Klebstoff verwenden



Sekundenkleber auftragen

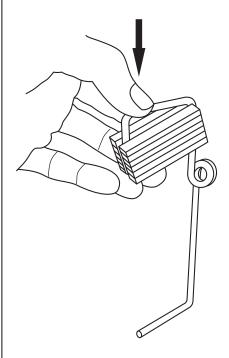


Linke und rechte Seite wird gleichermaßen zusammengebaut



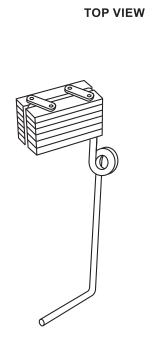
Nicht enthalten. Teile müssen separat gekauft werden.

AT-6 TEXAN 1- Wing: Fixed gear assembly



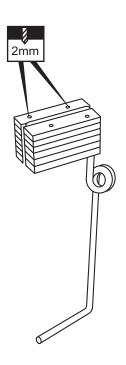
1A

Slide the landing gear onto the plywood gear mount and push the landing gear as shown.



1B

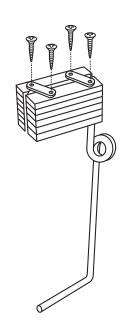
Using the nylon gear strap as a template, mark the plywood gear mount where the four holes to be drill.



1C

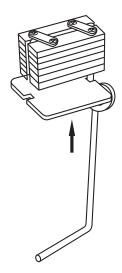
Remove the nylon gear strap and drill a 2mm hole at each of the four marks marked.

BOTTOM VIEW



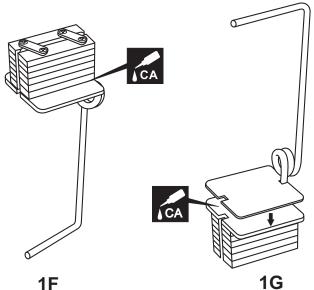
1D

Reposition the nylon gear strap and secure them in place using four 3x20mm screws.



1E

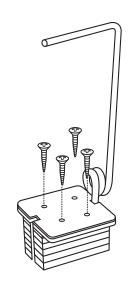
Attach the ply gear mount plate to the plywood gear mount



Secure the ply gear mount plate in place using CA glue.

1G

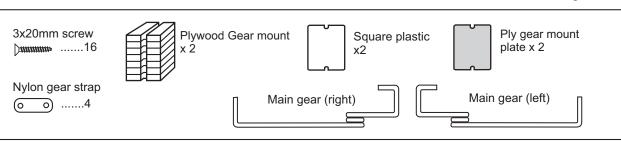
Attach the square plastic onto the ply gear mount, secure it in place using CA glue.

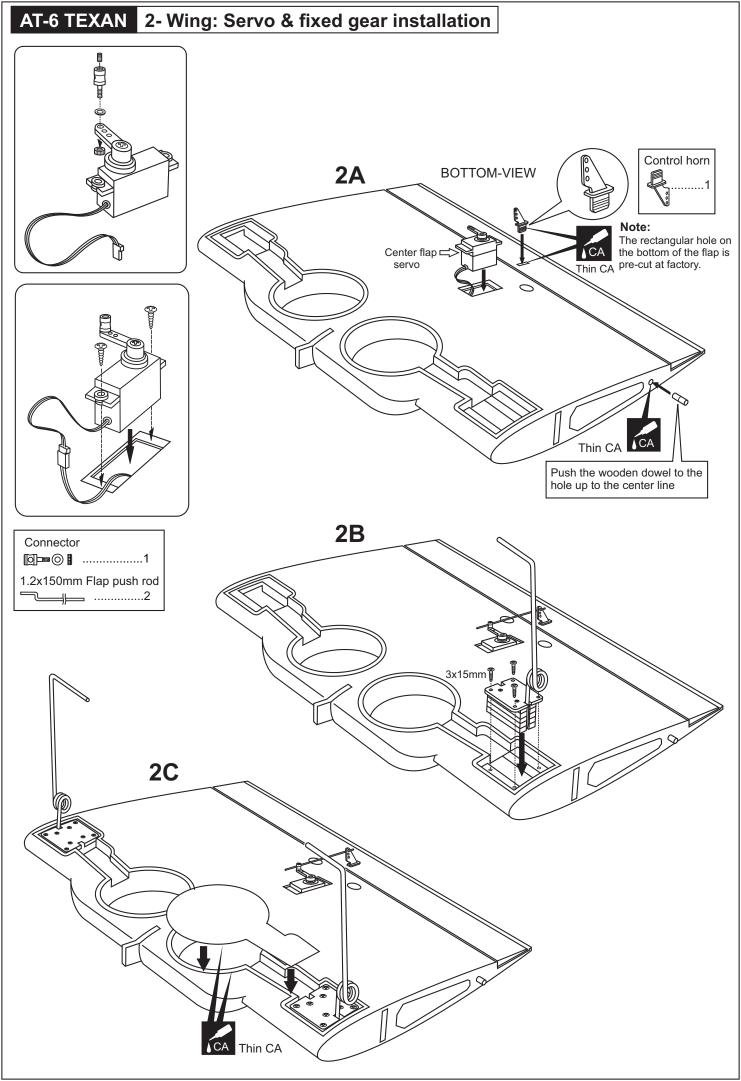


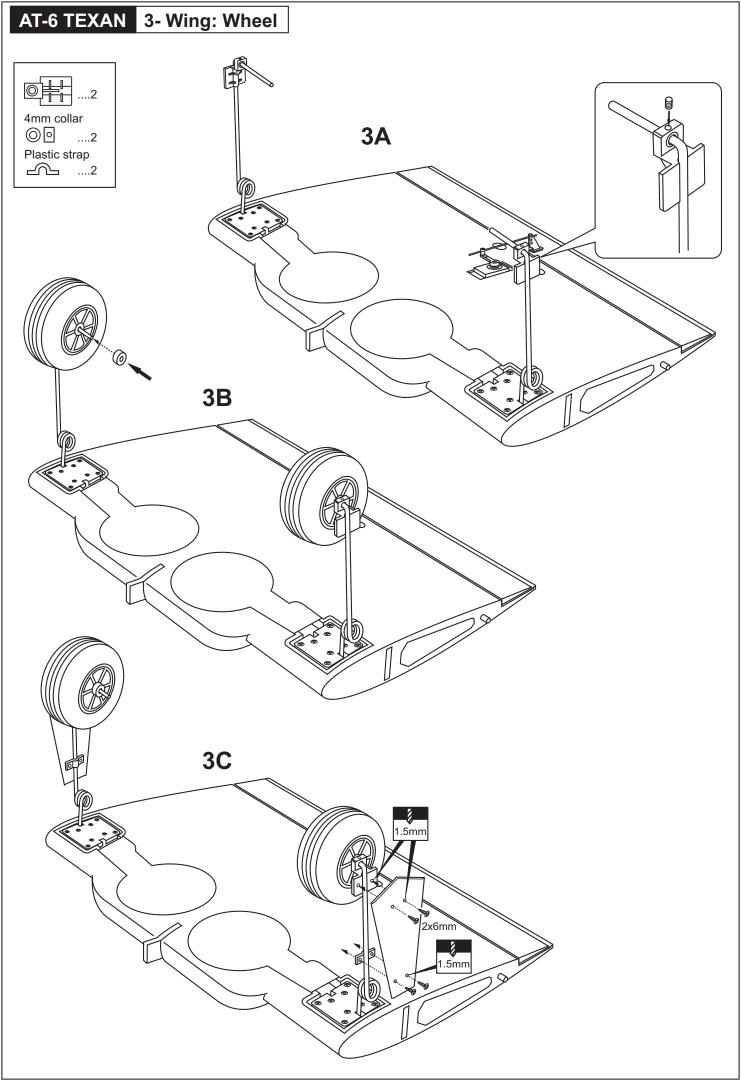
1H

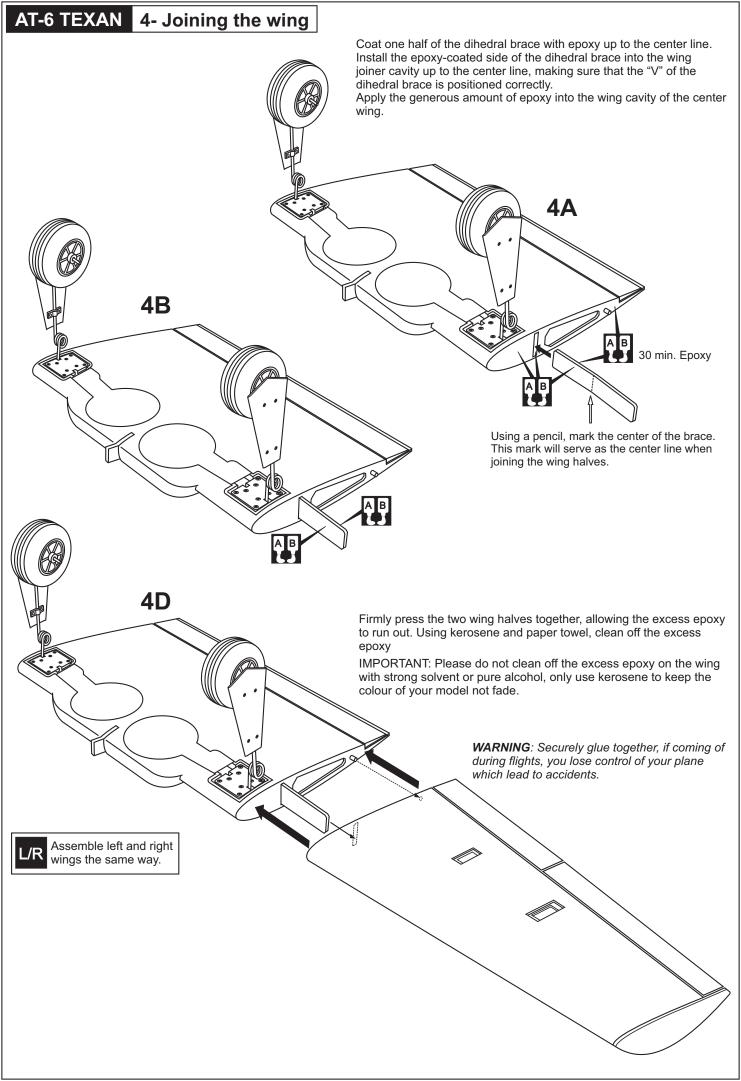
Drill a 2mm holes through the square plastic and ply gear mount plate.

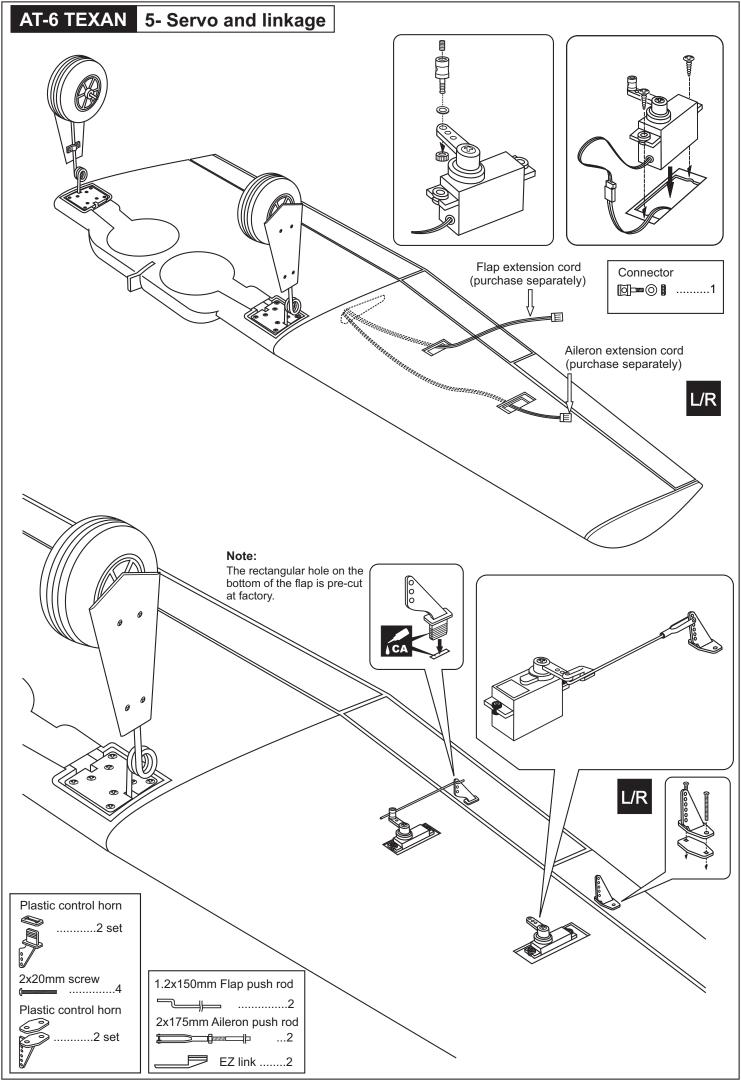
Secure the ply gear mount using four 3x20mm screws.

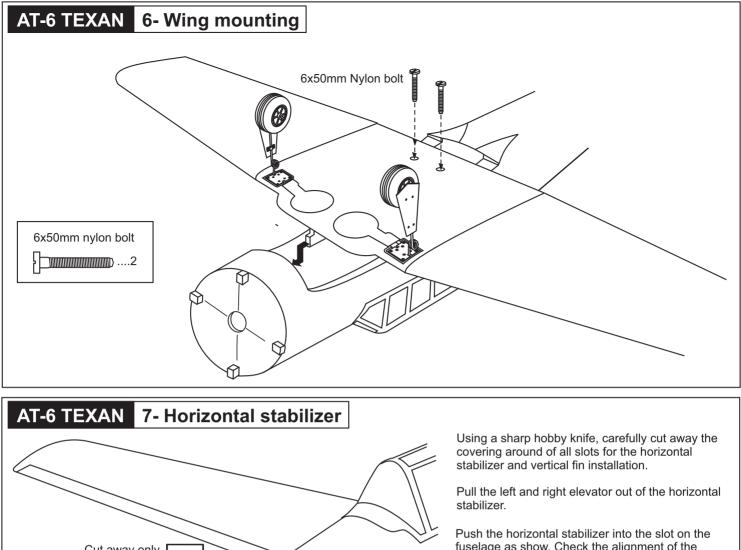


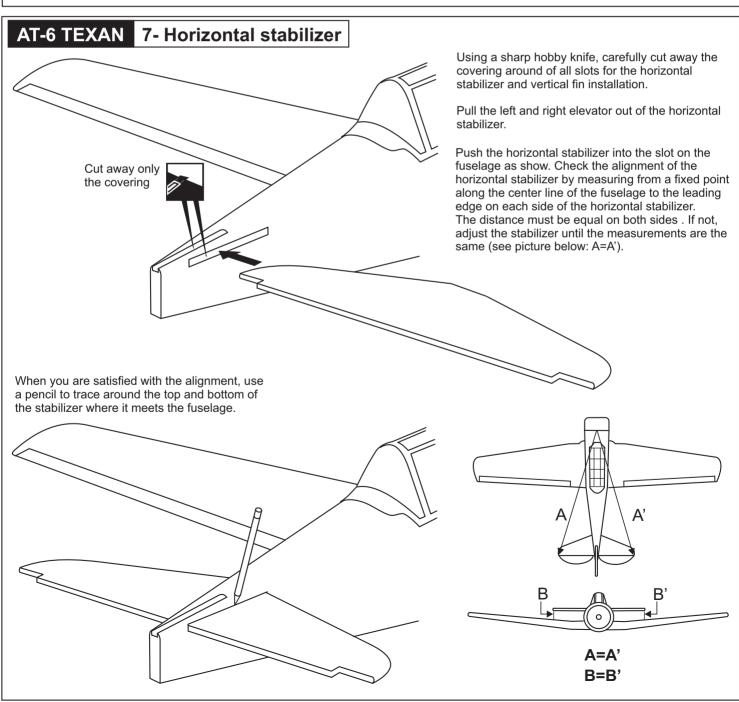


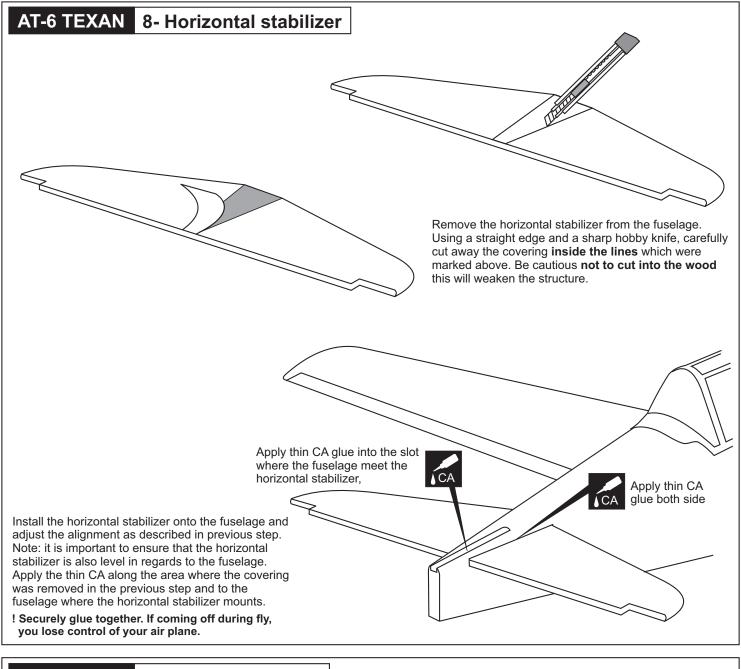


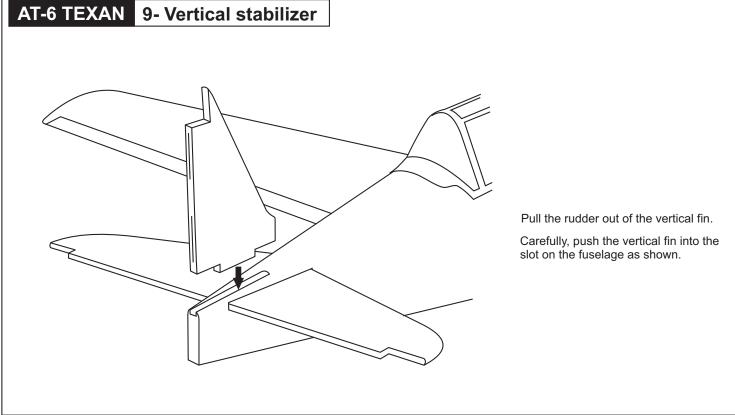






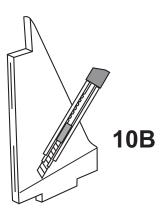


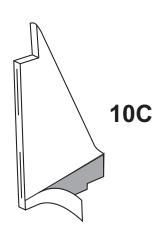


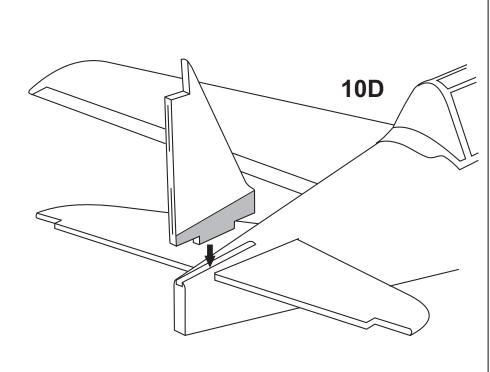


AT-6 TEXAN 10- Vertical stabilizer

Using a pencil, trace around the vertical stabilizer where it meets the fuselage. Remove the vertical stabilizer from the fuselage. Using s sharp hobby knife, carefully cut away the covering below the lines which were drawn in the previous steep. Do not cut into the woods as this will affect the structural integrity of the stabilizer.



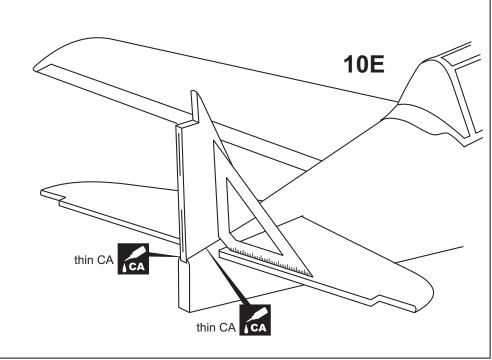


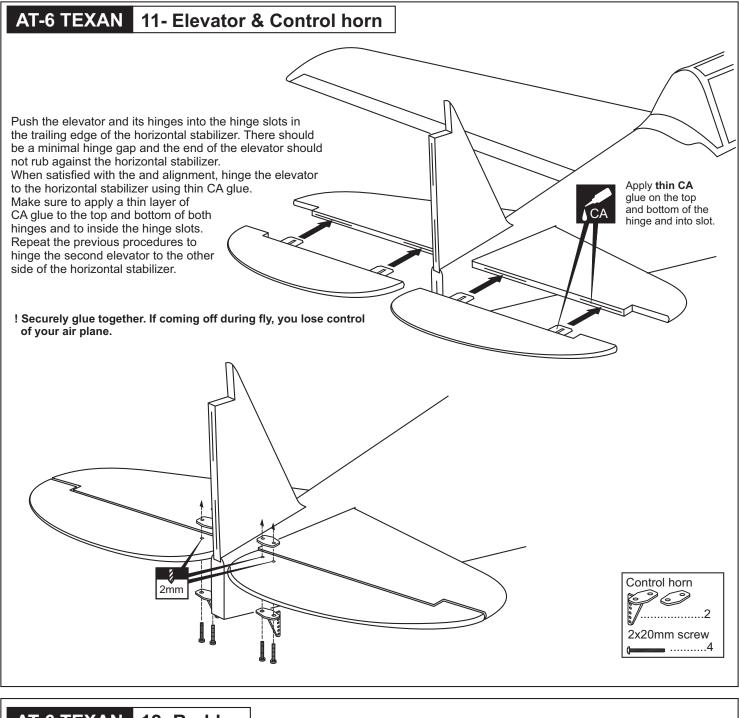


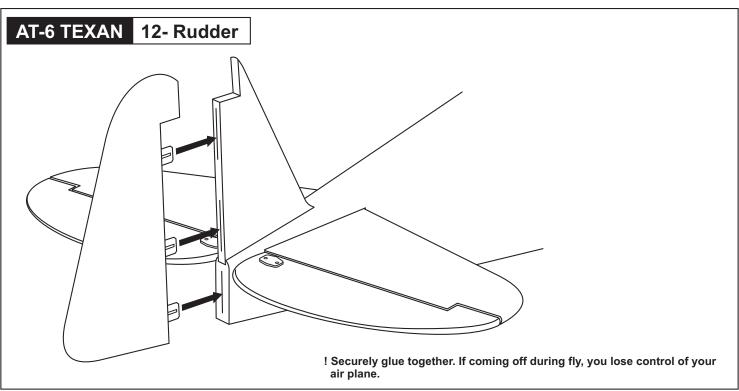
10A

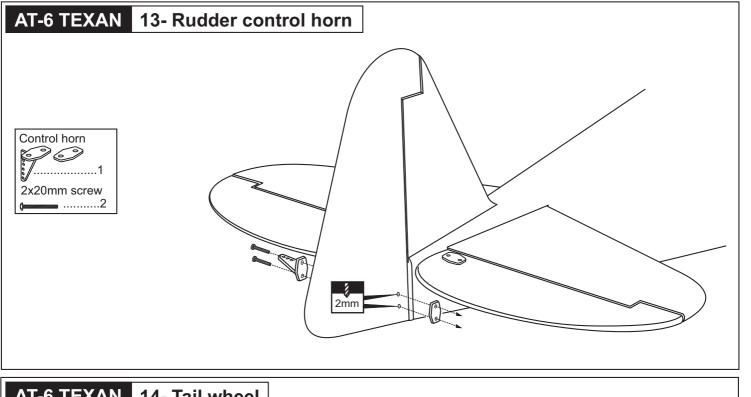
Trial fit the vertical fin in position. Using a 90 degree triangle, ensure that the vertical stabilizer is perpendicular to the horizontal stabilizer.

Apply the thin CA glue on the vertical stabilizer where it contacts the fuselage.

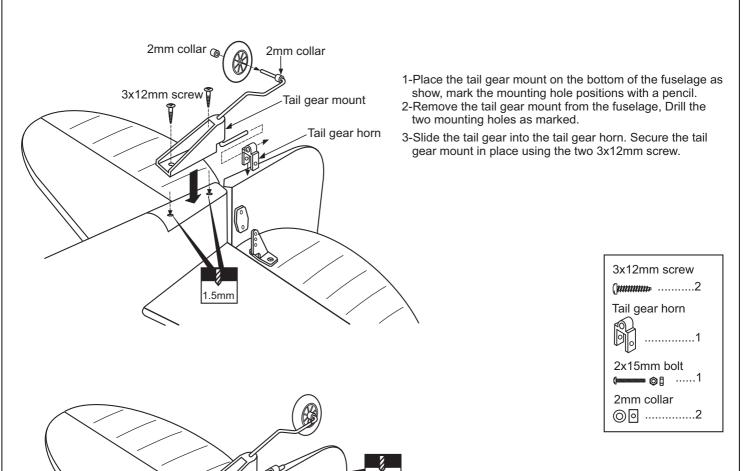








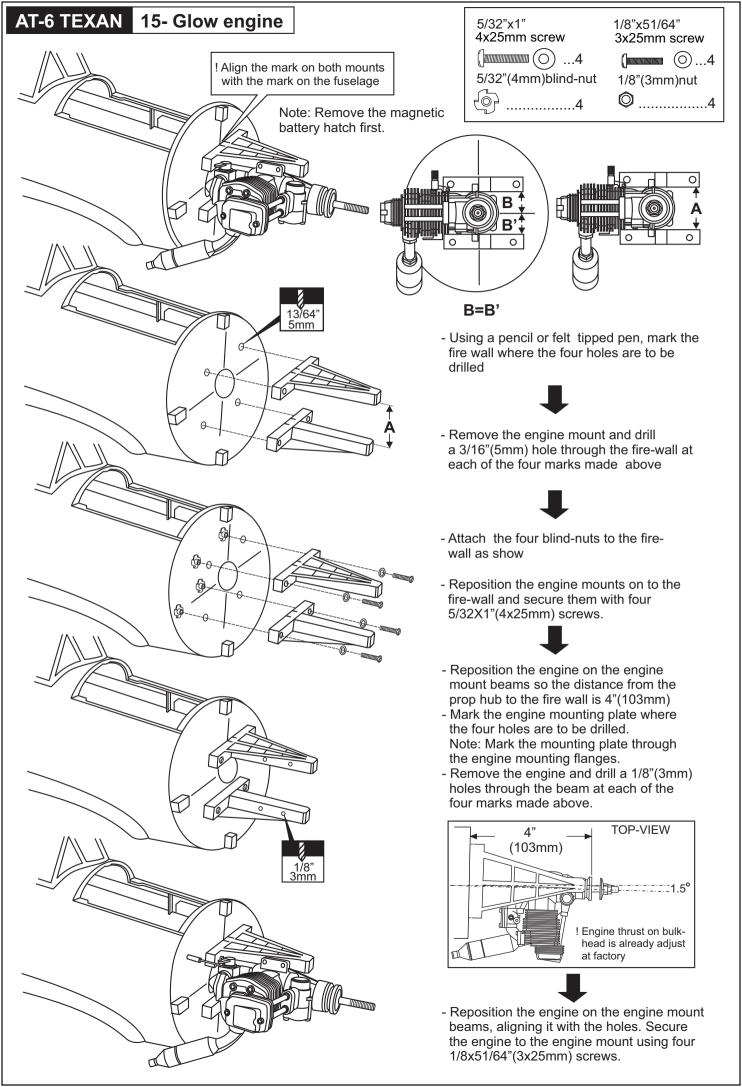


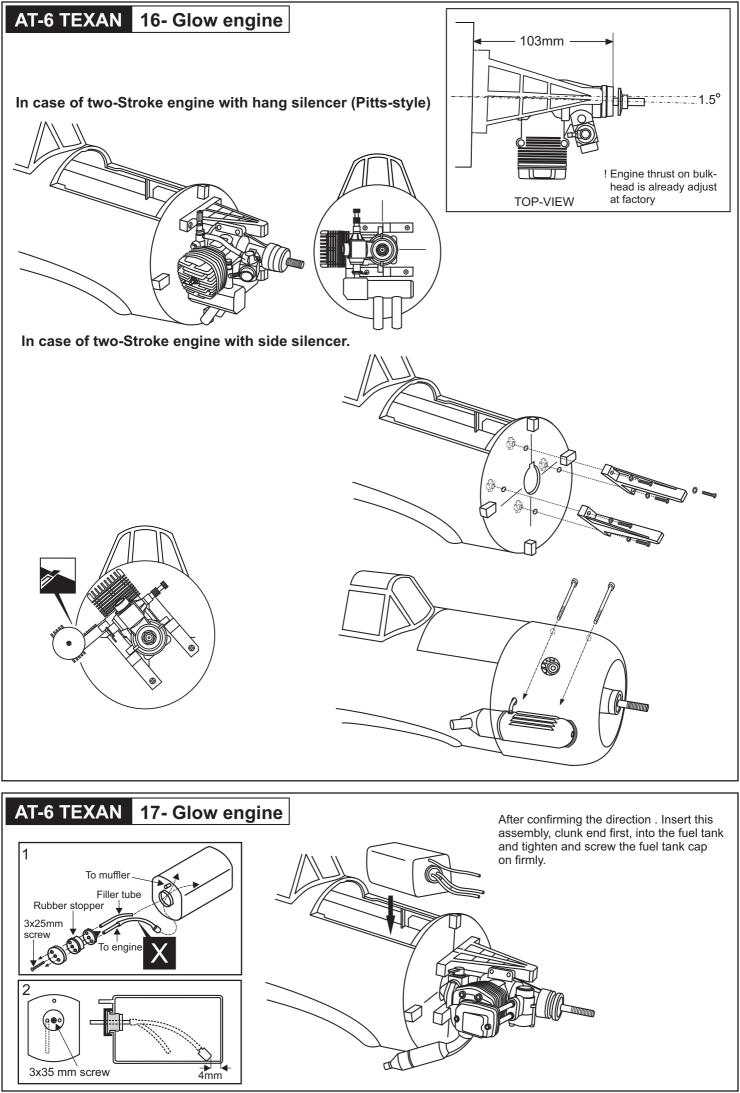


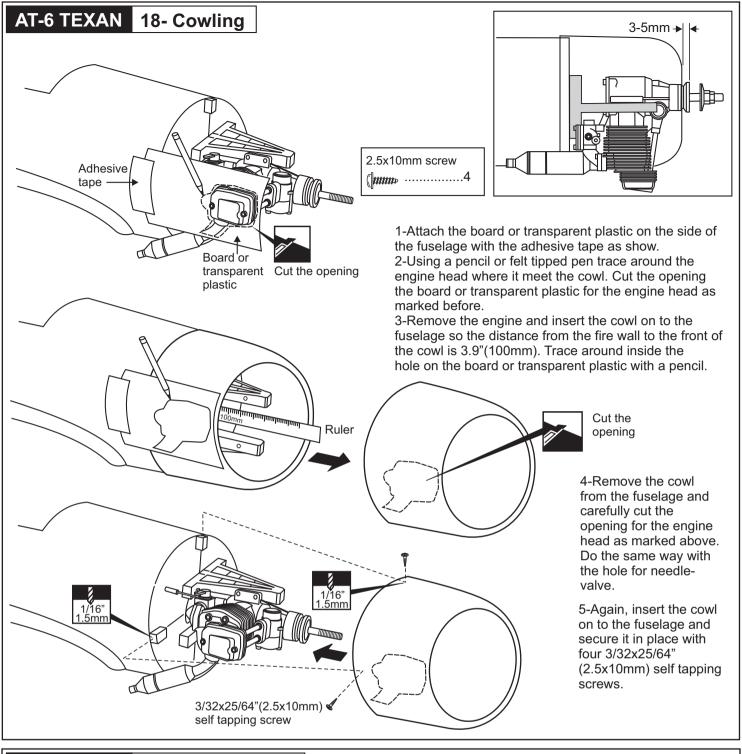
2mm

2x15mm

4- Secure the tail gear horn in place using 2x15mm bolt.

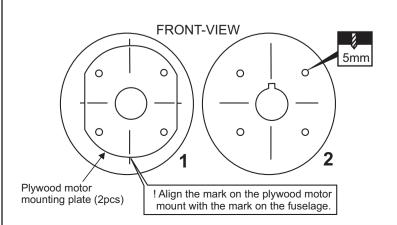


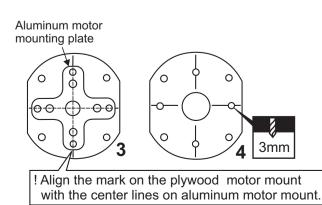




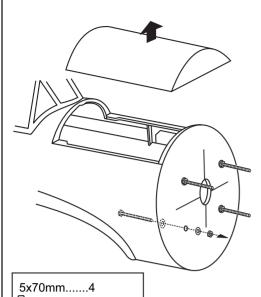
AT-6 TEXAN 19- Electric motor

- Using a plywood motor mounting plate as a template, mark the fire wall where the four holes to be drilled (1).
- Remove the plywood motor mounting plate and drill a 5mm hole through the fire-wall at each of the four marks marked (2).
- Using a aluminum motor mounting plate as a template, mark the plywood motor mounting plate where the four holes to be drilled (3).
- Remove the aluminum motor mounting plate and drill a 3mm hole through the plywood at each of the four marks marked (4).



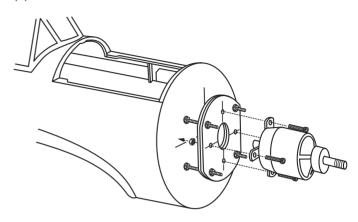


AT-6 TEXAN 20- Electric motor

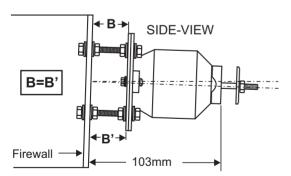


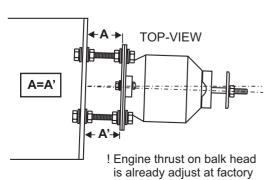
5mm nut......125mm washer...16

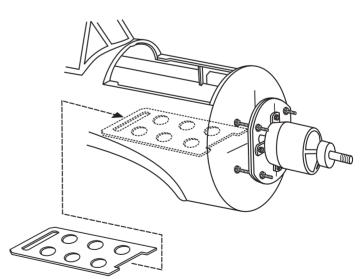
- -Push the four 5x70mm bolts through the fire-wall as shown (5).
- Reposition the plywood motor mounting plate (2pcs) and secure it in place with eight 5mm nuts and washers (6). Note: B=B'(Side-view) and A=A'(Top-view)
- -Attach the aluminum motor mounting plate on to the motor and secure it in place with four screws (included with motor set) (7).
- -Attach the motor on to the plywood motor mounting plate and secure it in place with four 3x15mm screws(8).



- 3mm hexagonal bolt ...4
- 3mm nut4

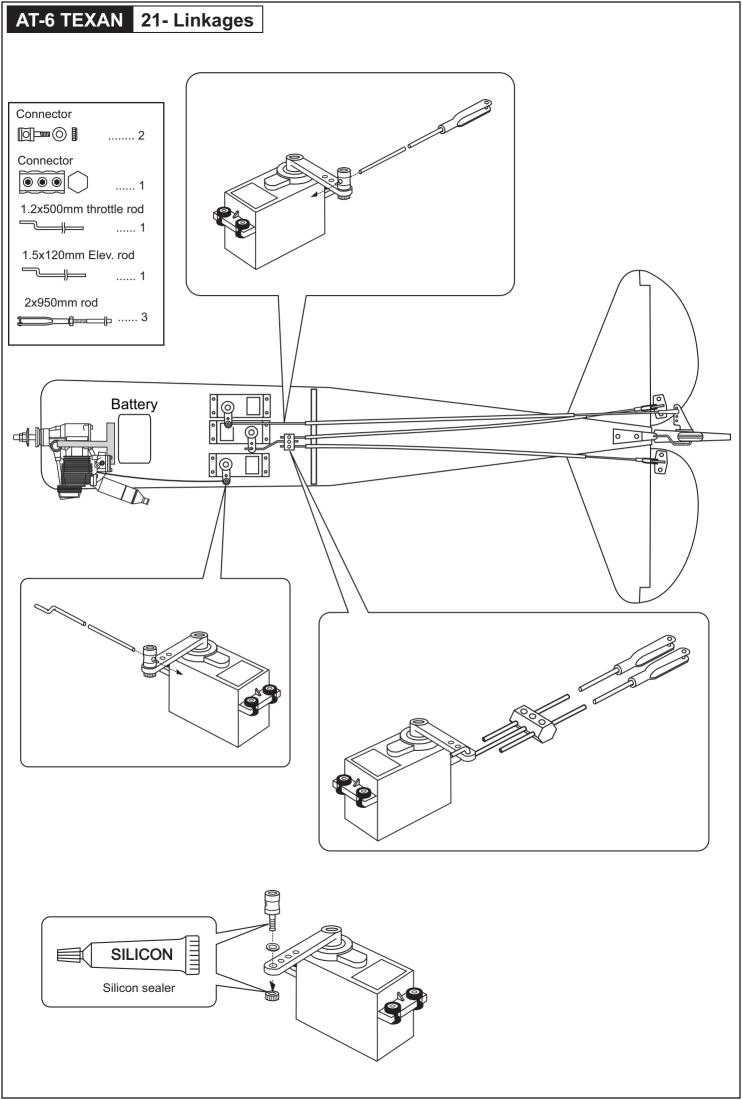


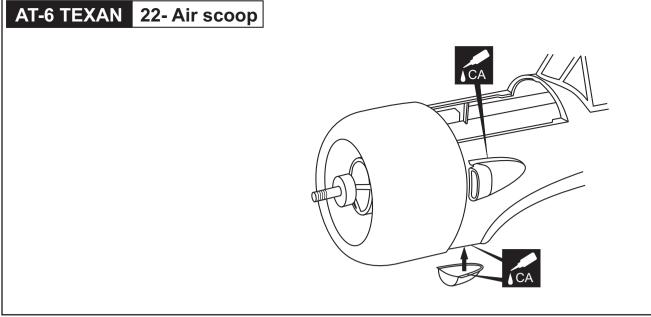


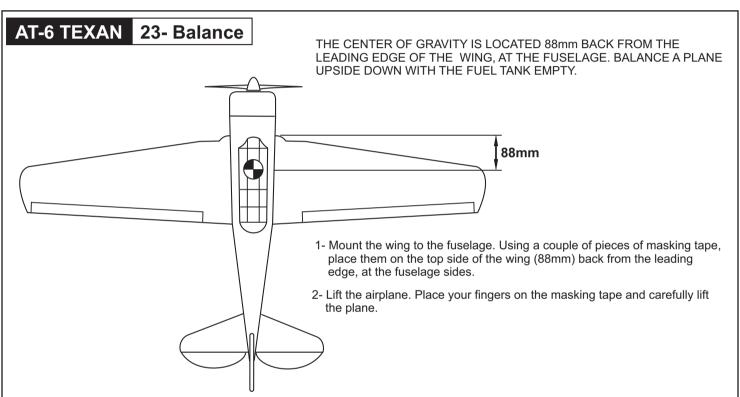


Battery stand (3mm plywood)

Insert the Battery stand into the fuselage ($\mbox{In case}$ of Electric power) and secure it in place with CA glue.

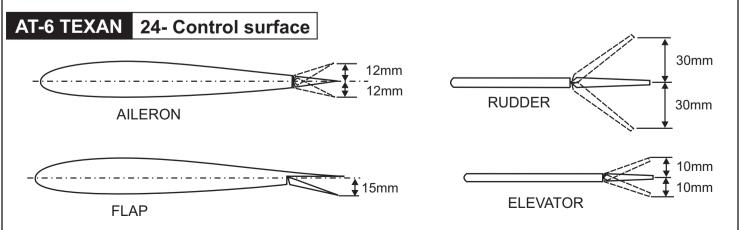




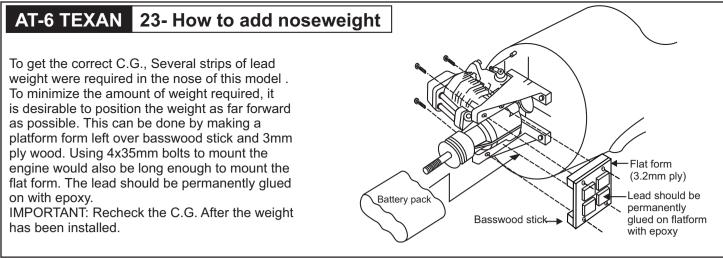


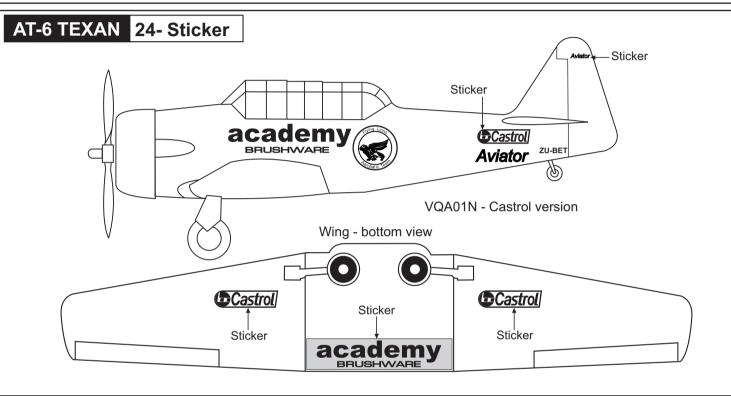
3- If the nose of the plane falls, the plane is heavy nose. To correct this, move the battery pack further back in the fuselage. If the tail of plane falls, the plane is tail heavy. To correct this, move the battery forward or if this is not possible, stick weight onto the firewall.

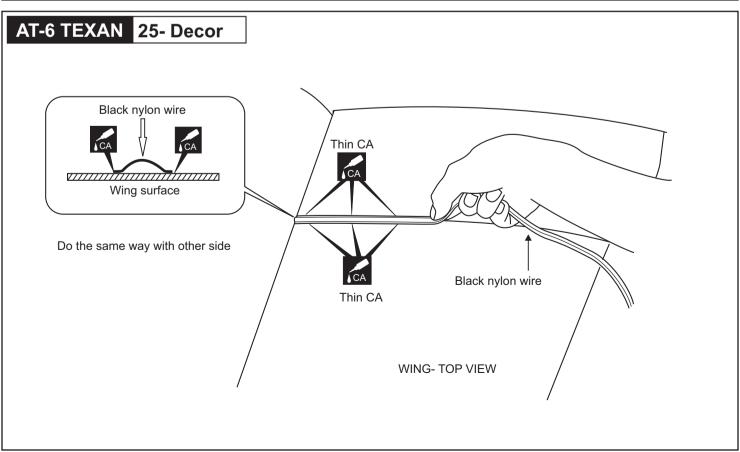
When balanced correctly, the airplane should level or slightly nose down when you lift it up with your fingers.



IMPORTANT: Flying your model at these throws will provide you with the greatest chance for successful first flights. If, after you have become accustomed to the way the AT-6 flies, you would like to change the throws to suit your taste that is fine. However, too much control throw could make the model difficult to control, so remember, "more is not always better".







clean on surface of your model to keep the colour not fade.

CAUTIONS FOR SAFETY

Ensure the airfield is spacious enough.

Please do not clean your model with pure alcohol, only use liquid soap with water or use glass cleaner to

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

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.

Always take off and landing your airplane into the wind.

Switch off the transmitter and receiver after landing.

Fully extend the transmitter and receiver antenna.

IMPORTANT:

loose.

Do not fly your airplane above people standing around.

BEFORE FLYING CHECK EVERYTHING

Before each flight, inspect the airplane for any loose parts. Check the hinges, make sure the pushrods are still firmly

WARNING: Do not put in a large-than recommended engine. A bigger engine does not necessarily mean better performance.

attached, and check the engine mounting bolts. In general, check everything on the plane that might possibly come