RADIO CONTROL MODEL / RC FLUGMODELL

VQAO1 Red VQAO2 Black VQAO1 N

NORTH AMERICAN HARVARD AT-6

BUILDING INSTRUCTIONS / MONTAGEANLEITUNG



SPECIFICATIONS

Wingspan	1540mm
Length	1030mm
Flying weight	2700g
Electric Motor	650 Watt (BOOST 40)
Glow Engine	6,5cc 2T / 8,5cc 4-T
Radio	5 Channel / 6 Servos

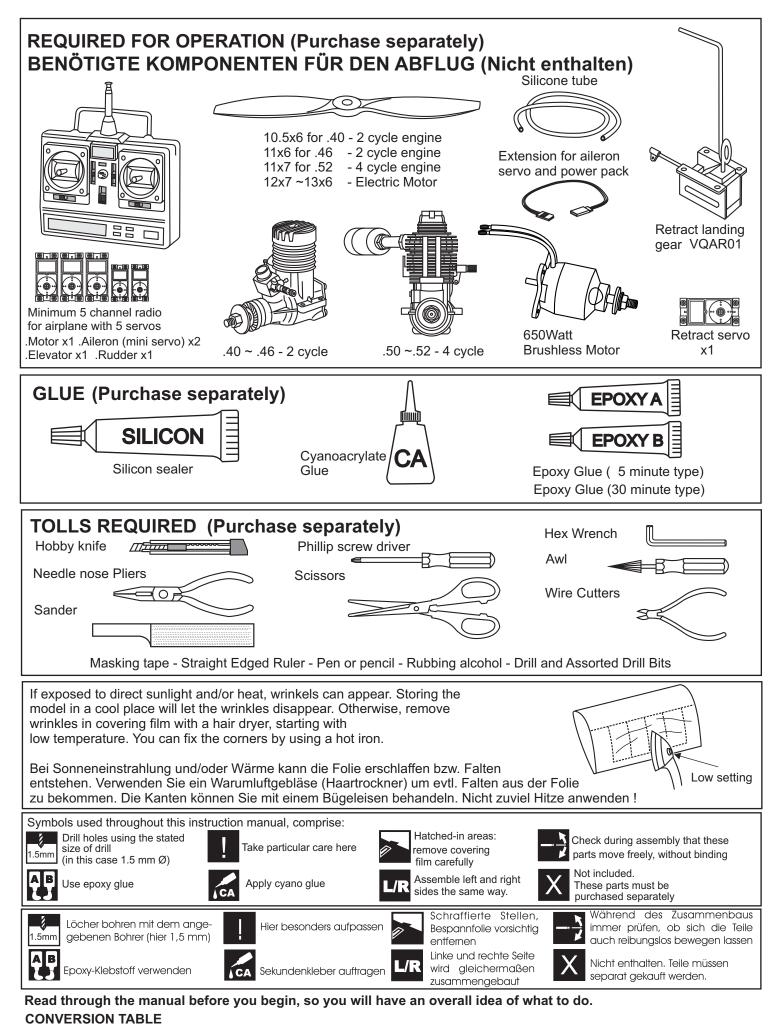
Technische Daten

Spannweite	1540mm
Länge	1030mm
Fluggewicht	2700g
Elektroantrieb	650 Watt (BOOST 40)
Verbrennerantrieb	6,5cc 2T / 8,5cc 4T
Fernsteuerung	5 Kanal / 6 Servos

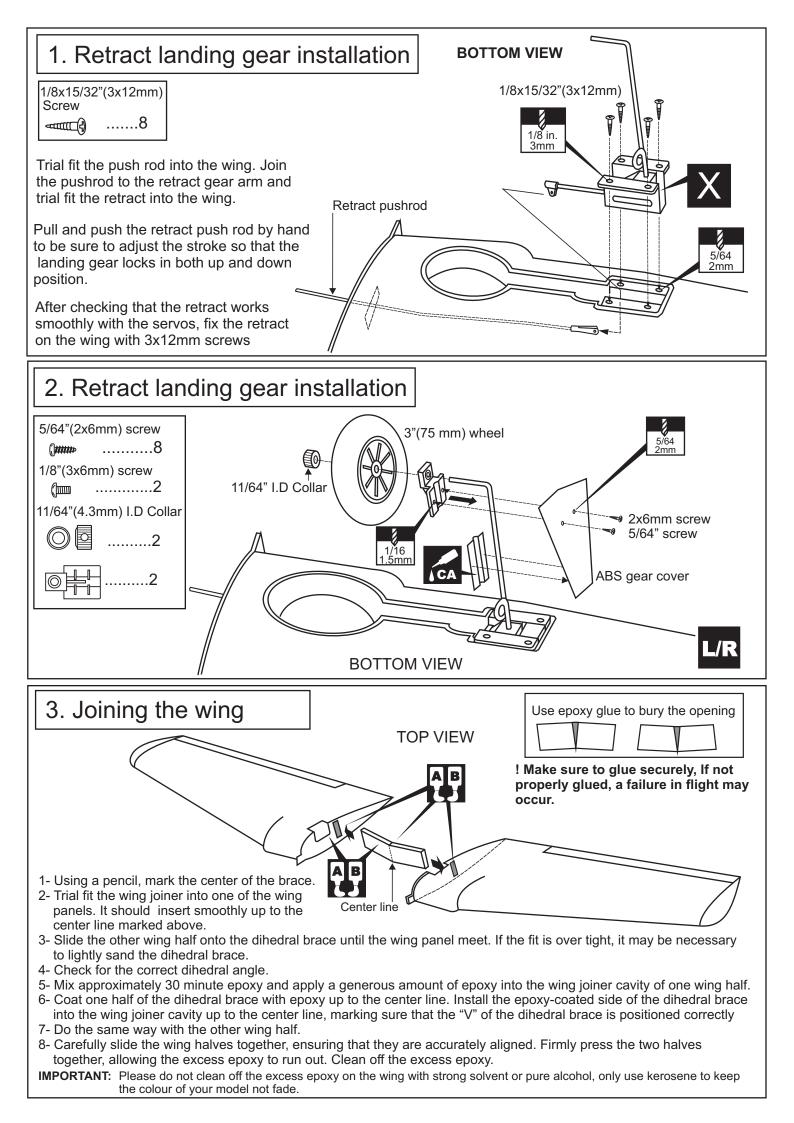


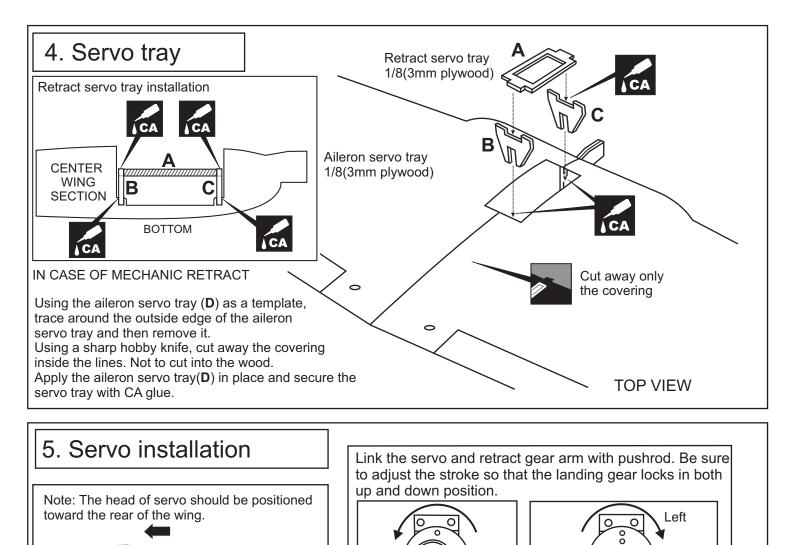
WARNING! This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of controll and cause serious human injury or property damage. Before flying your airplane, ensure the air field is spacious enough. Always fly it outdoors in safe areas and seek professional advice if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

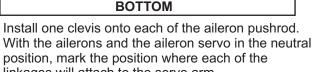
ACHTUNG! Dieses ferngesteuerte Modell ist KEIN Spielzeug! Es ist für fortgeschrittene Modellflugpiloten bestimmt, die ausreichende Erfahrung im Umgang mit derartigen Modellen besitzen Bei unsachgemäßer Verwendung kann hoher Personen- und/oder Sachschaden entstehen. Fragen Sie in einem Modellbauverein 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.



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"
2.5mm = 3/32"	6.0mm = 15/64"	20mm = 51/64"	

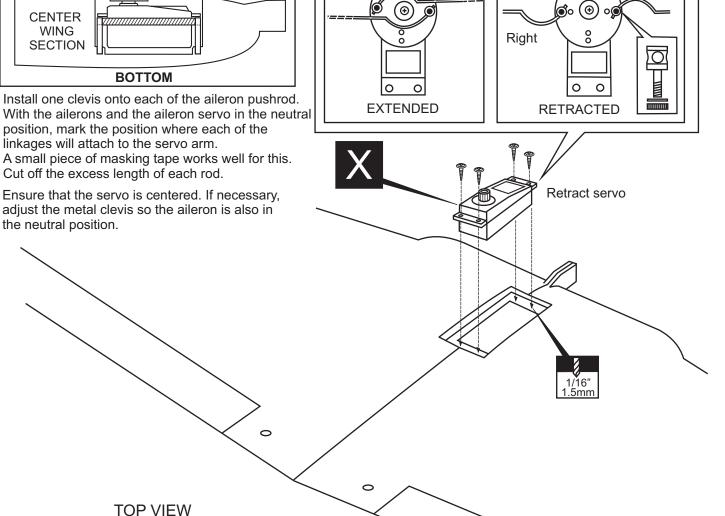






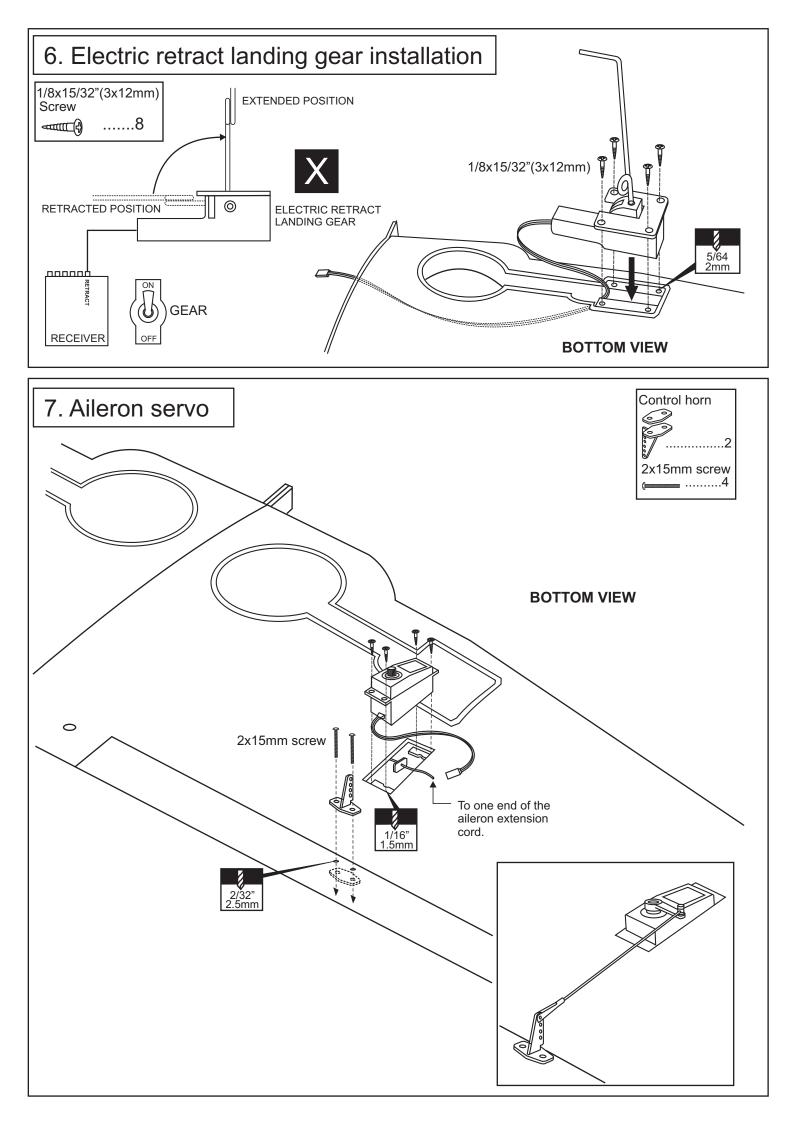
A small piece of masking tape works well for this. Cut off the excess length of each rod.

Ensure that the servo is centered. If necessary, adjust the metal clevis so the aileron is also in the neutral position.



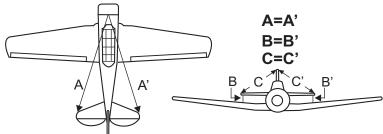
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8. Tailplane

- 1-Trial fit the horizontal stabilizer in place . Check the alignment of the horizontal stabilizer. When you are satisfied with the alignment, use a pencil to trace around the top and bottom of the stabilizer where it meets the fuselage.
- 2-Remove the horizontal stabilizer from the fuselage. Using the sharp hobby knife, carefully cut away the covering inside the lines which were marked above.
- 3-Spread epoxy (30 minute) onto the top and bottom of the horizontal stabilizer along the area where the covering was removed and to the fuselage where the horizontal stabilizer mounts.
- 4-Install the horizontal stabilizer into the fuselage and adust the alignment as described in steep 1
- 5-Allow the epoxy to cure before proceeding to next step.



- 1-Trial fit the vertical stabilizer in place . Check the alignment of the vertical stabilizer. When you are satisfied with the alignment, use a pencil to trace around the right and left of the stabilizer where it meets the fuselage.
 2-Remove the vertical stabilizer from the fuselage.
- Using the sharp hobby knife, carefully cut away the covering inside the lines which were marked above.
- 3-Spread epoxy (30 minute) onto the right and left and bottom of the vertical stabilizer along the area where the covering was removed and to the fuselage where the vertical stabilizer mounts.
- 4-Install the vertical stabilizer into the fuselage and adust the alignment as described in steep 1
- 5-Allow the epoxy to cure before proceeding to next step.

ELEVATOR

Apply a thin layer of machine oil or petroleum jelly to only the pivot point of the hinges on the elevator, then push the elevator and its hinges into the hinge slots in the trailing edge of the horizontal stabilizer. There should be a minimal hinge gap and the end of the elevator should not rub against the horizontal stabilizer. When satisfied with the and alignment, hinge the elevator 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 inside the hinge slots. Repeat the previous procedures to hinge the second elevator to the other side of the horizontal stabilizer.

* WARNING: When removing any covering from the airframe, please ensure that you secure the cut edge with CA or similar cement. This will ensure the covering remain tight.

Cut away only the covering both the top and bottom side Apply the epoxy both the top and bottom side Cut away only the covering both the right and left side Cut away only the covering both the right and left side Apply the epoxy both the right and left side Control horn 69 Securely glue together. If coming 2x20mm screw off during flight, you lose control6 of your air plane. **BOTTOM VIEW** 5/64"(2mm) collar @ 3x12mm screw Tail gear mount

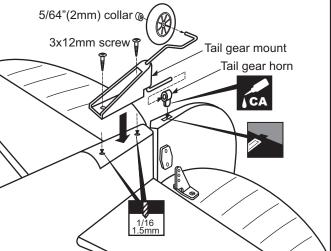
1/8x15/32" (3x12mm) screw
() <i>mmmm</i>
Tail gear horn
P
5/64"(2mm) collar
⊚ ₀1

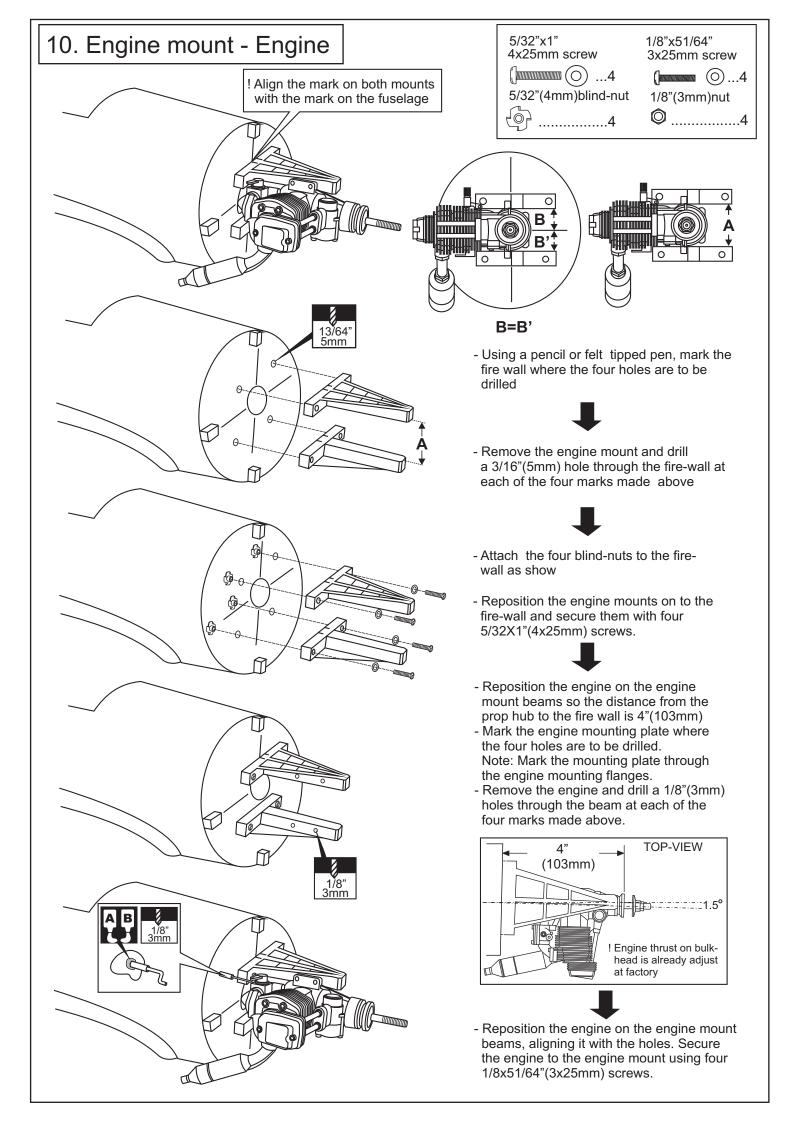
9.Tailgear

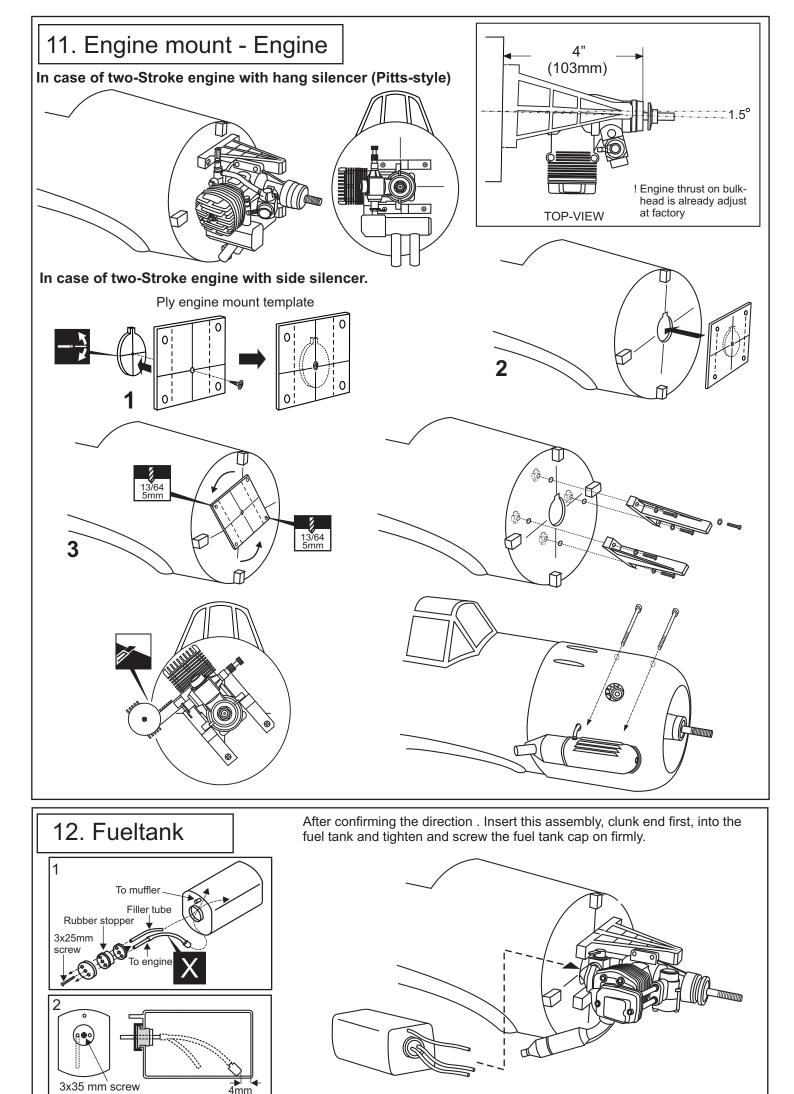
1-Place the tail gear mount on the bottom of the fuselage as show, mark the mounting hole positions with a pencil. 2-Remove the tail gear mount from the fuselage, Drill the two mounting holes as marked.

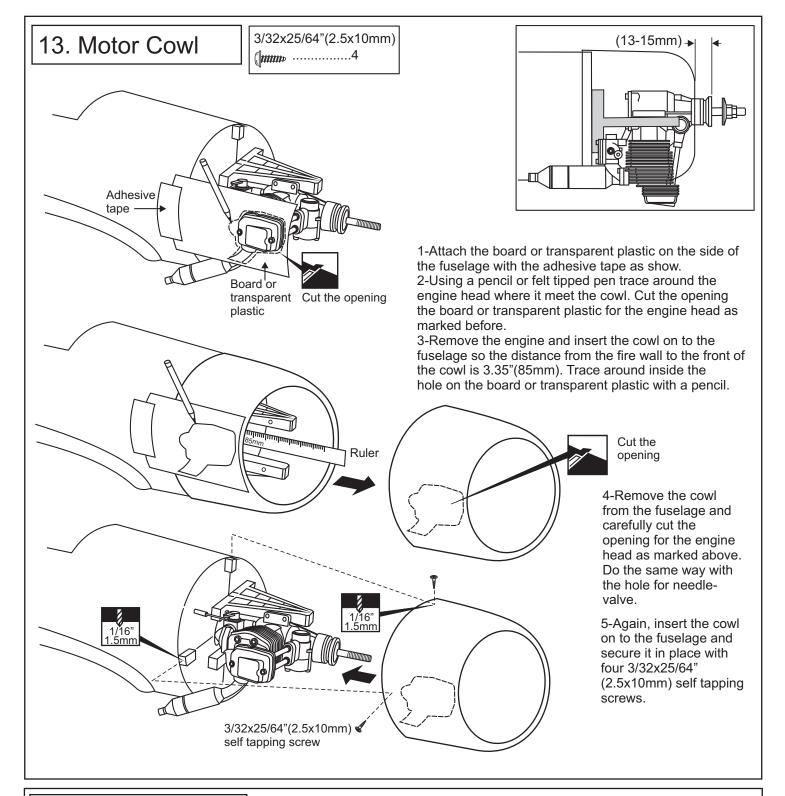
3-Cut a 5/64"(2mm) wide slot which is 5/16" (8mm) length and 5/16"(8mm) depth on the bottom of the rudder as shown.

4-Trial fit the tail gear horn into the slot. Do not glue at this time.5-Slide the tail gear into the tail gear horn. Secure the tail gear mount in place using the two 3x12mm screw.6-Secure the tail gear horn in place using CA glue as shown.





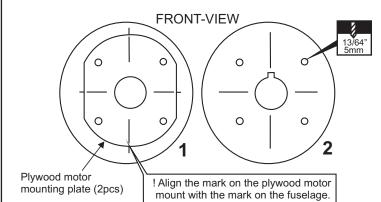




14- Electric Motor

- Using a plywood motor mounting plate as a template, mark the fire wall where the four holes are to be drilled (1).

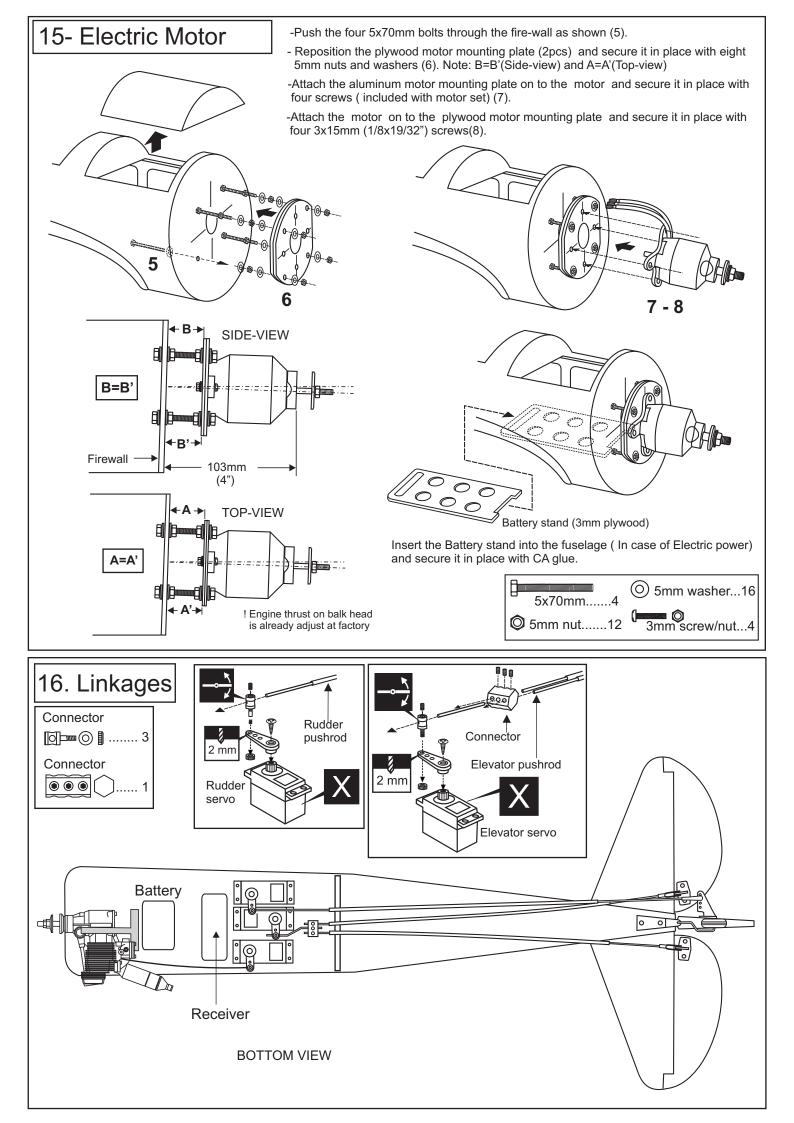
- Remove the plywood motor mounting plate and drill a 13/64" (5mm) hole through the fire-wall at each of the four marks marked (2).
- Using a aluminum motor mounting plate as a template, mark the plywood motor mounting plate where the four holes are to be drilled (3).
- Remove the aluminum motor mounting plate and drill a 1/8"(3mm) hole through the plywood at each of the four marks marked (4).

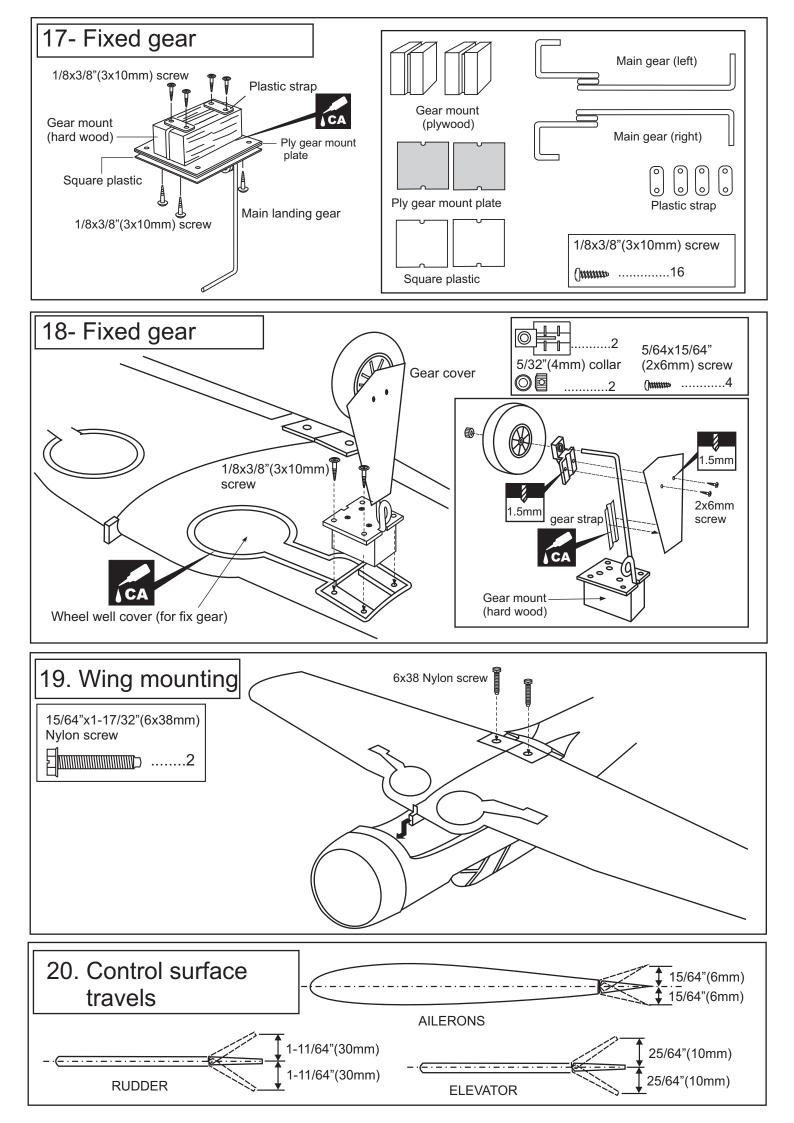


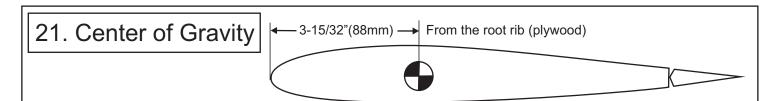
Aluminum motor mounting plate

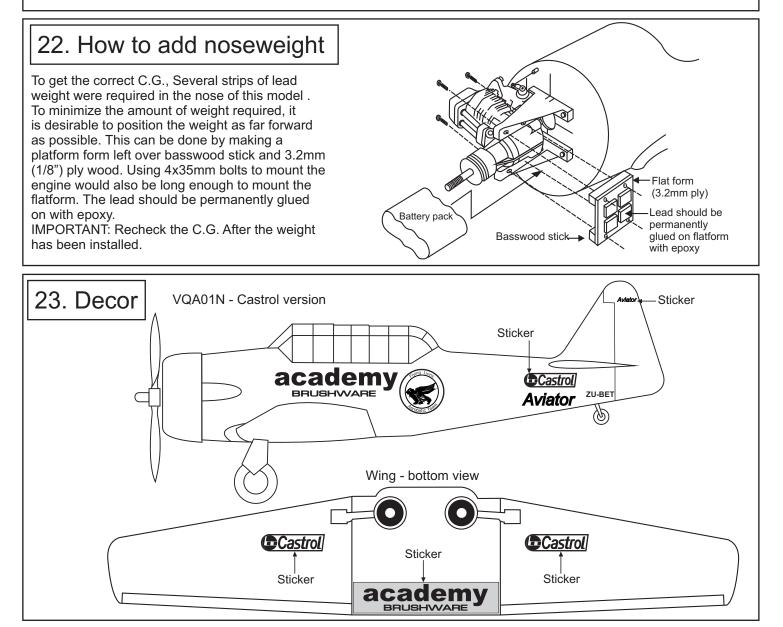
! Align the mark on the plywood motor mount with the center lines on aluminum motor mount.

1/8" 3mm









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.

CAUTIONS FOR SAFETY

Ensure the airfield is spacious enough.

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.

Fully extend the transmitter and receiver antenna.

Always take off and landing your airplane into the wind.

Switch off the transmitter and receiver after landing.

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

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