## 45 Class

2-cycle engine

70 Class
4-cycle engine

Or Electric equivalent



## INSTRUCTION MANUAL / Montageanleitung

All balsa, plywood construction and almost ready to fly



#### **SPECIFICATIONS**

Wingspan 60.6 in.
Length 43.9 in.
Electric Motor Glow Engine .46 2-T / .70 4-T
Radio 5 Channel / 5 Servos

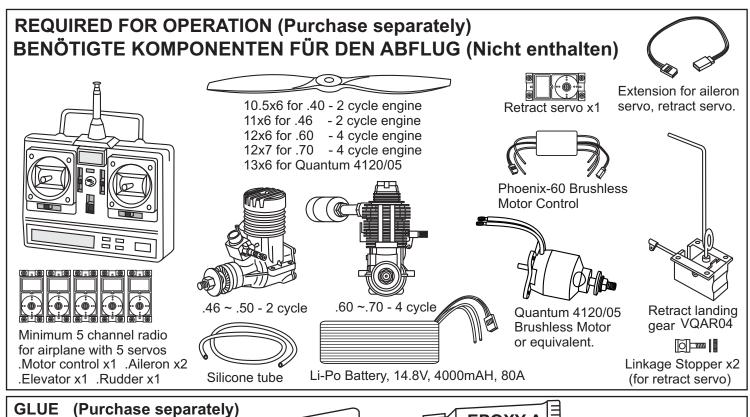
#### **TECHNISCHE DATEN**

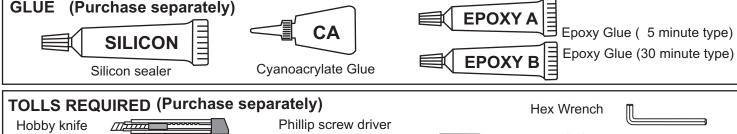
Spannweiter 1540mm
Länge 1117mm
Elektroantrieb 870 Watt (PULSAR 60)
Verbrennerantrieb 7.5cc 2-T / 11cc 4-T
Fernsteuerung 5 Kanal / 5 Servos

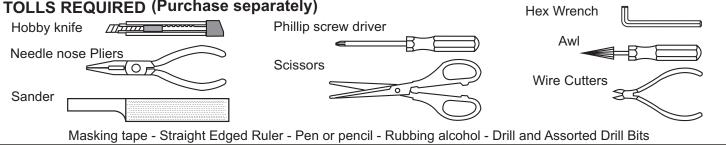


**WARNING!** This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of controll and cause serious human injury or property damage. Before flying your airplane, ensure the air field is spacious enough. Always fly it outdoors in safe areas and seek professional advice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







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 1.5mm size of drill

(in this case 1.5 mm Ø)



Take particular care here



Hatched-in areas: remove coverina 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.



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

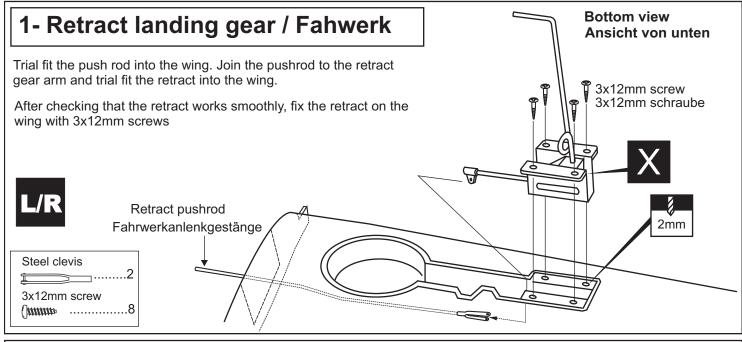


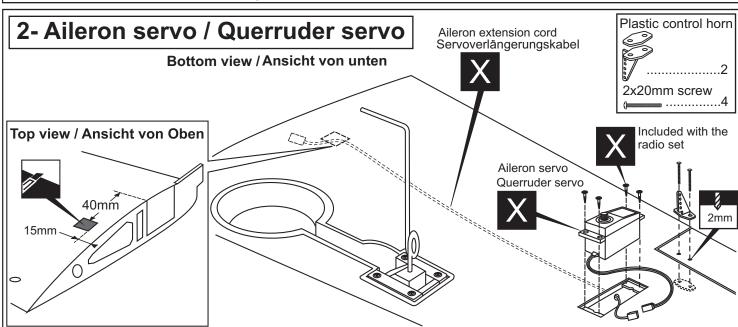
Nicht enthalten. Teile müssen separat gekauft werden.

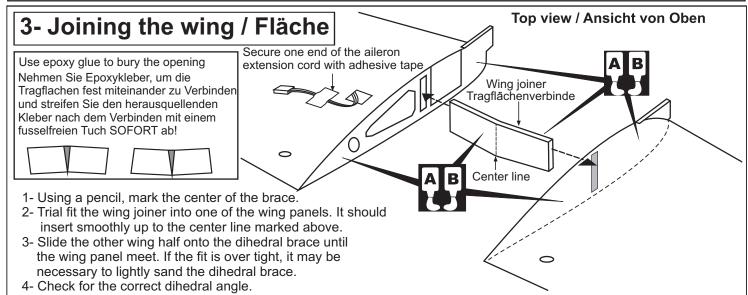
#### Read through the manual before you begin, so you will have an overall idea of what to do. **CONVERSION TABLE**

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"
0 France - 2/20"	6.0mm - 15/64"	20mm - 51/64"	

2.5mm = 3/326.0mm = 15/64

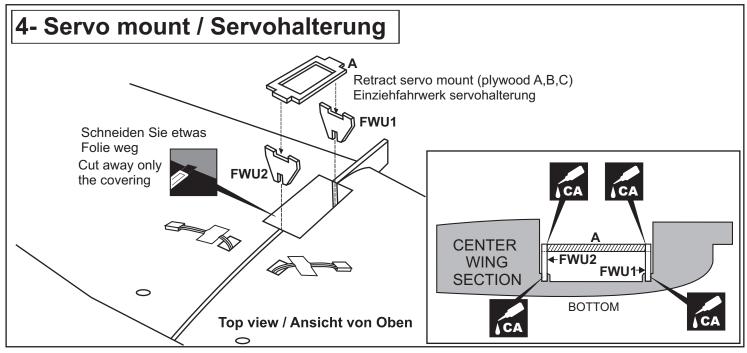


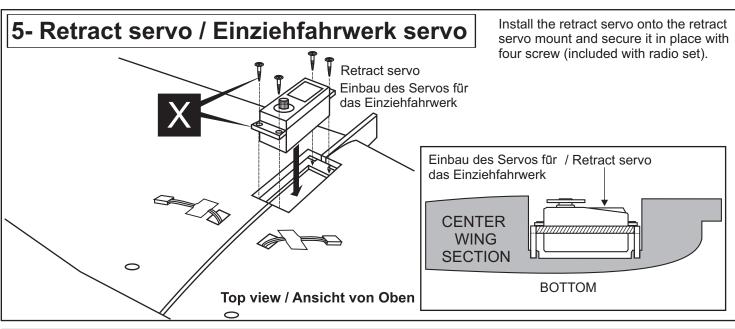


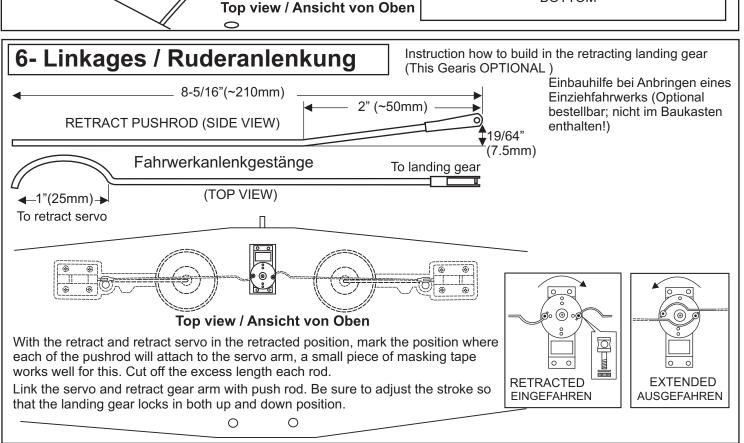


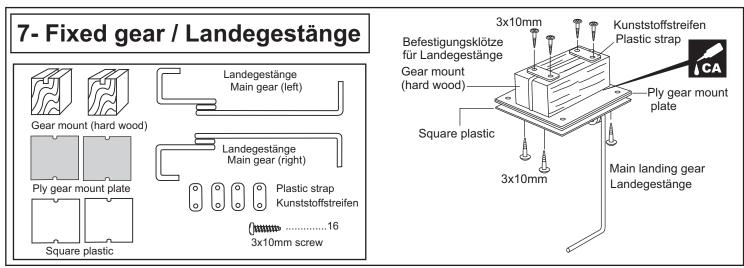
- 5- Mix approximately 30 minute epoxy and apply a generous amount of epoxy into the wing joiner cavity of one wing half.
- 6- Coat one half of the dihedral brace with epoxy up to the center line. Install the epoxy-coated side of the dihedral brace into the wing joiner cavity up to the center line, marking sure that the "V" of the dihedral brace is positioned correctly
- 7- Do the same way with the other wing half.
- 8- Carefully slide the wing halves together, ensuring that they are accurately aligned. Firmly press the two halves together, allowing the excess epoxy to run out. Clear off the excess epoxy.

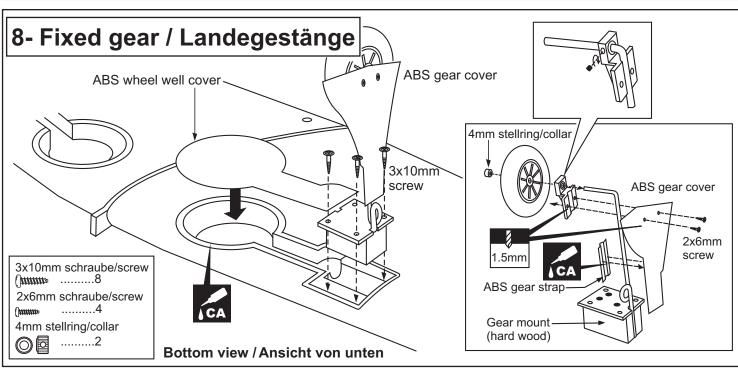
WARNING: Please do not clean off the excess epoxy on the wing with strong solvent or pure alcohol, only use kerosene to keep the colour of your model not fade.

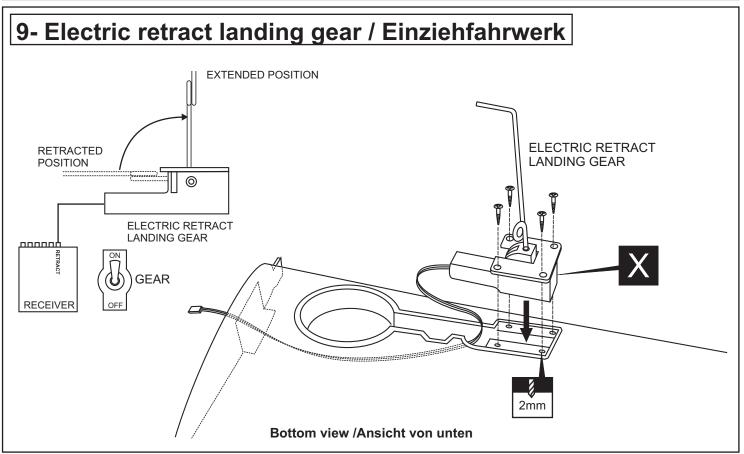


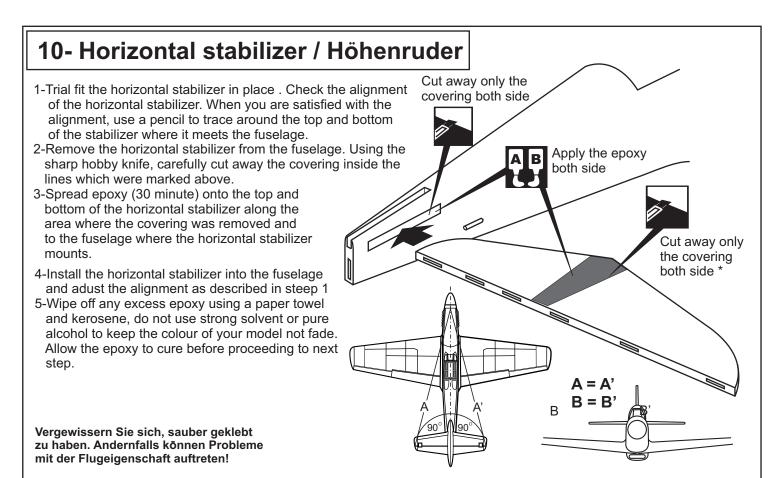




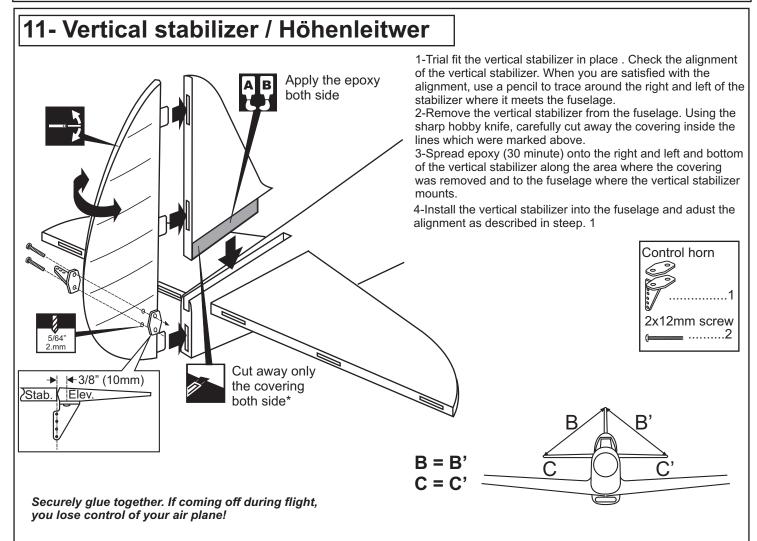




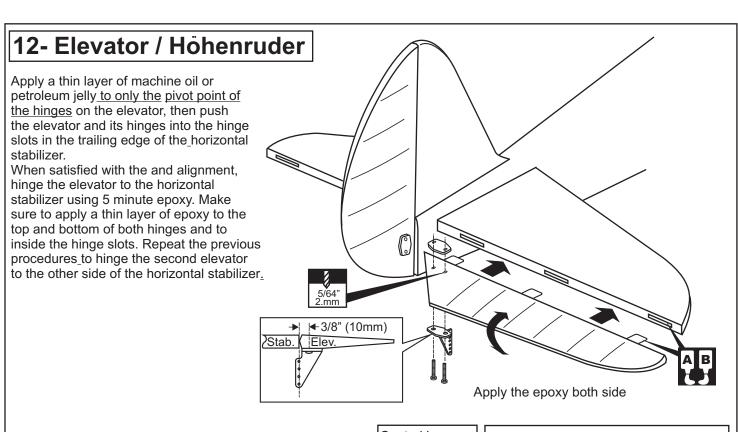




\* WARNING: When removing any covering from the airframe, please ensure that you secure the cut edge with CA or similar cement. This will ensure the covering remain tight.



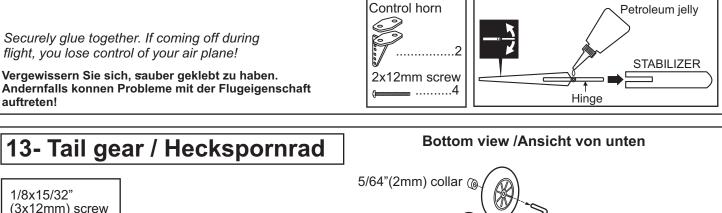
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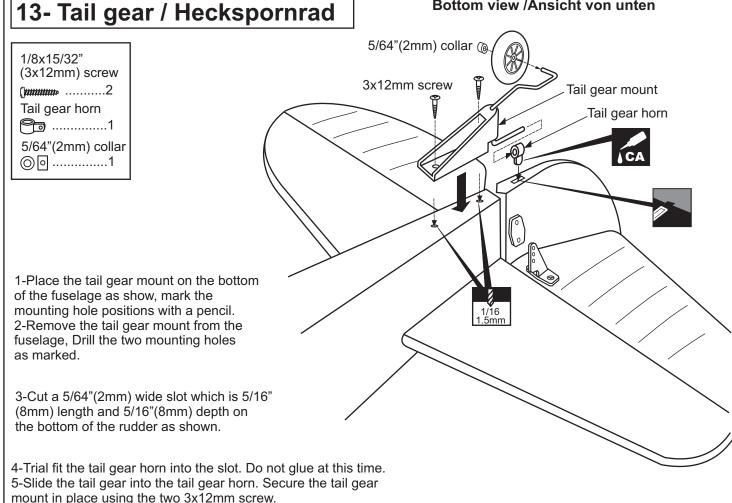


Securely glue together. If coming off during flight, you lose control of your air plane!

Andernfalls konnen Probleme mit der Flugeigenschaft

6-Secure the tail gear horn in place using CA glue as shown.

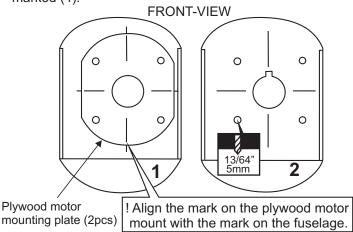


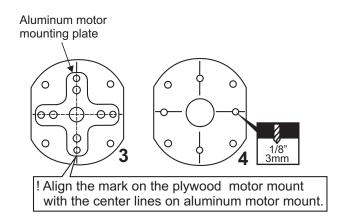


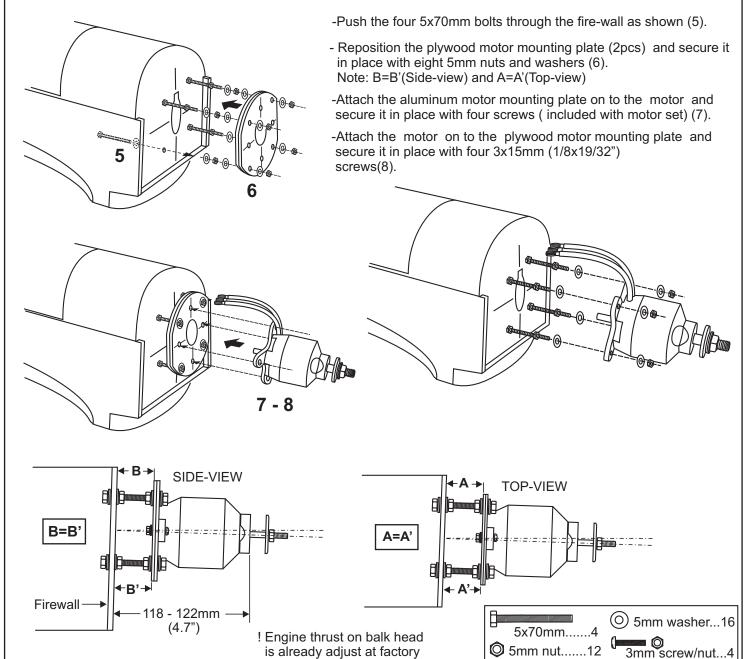
# 14- Fuel tank / Kraftstofftank Magnetic canopy Magnetic piece. INCASE OF BRUSHLESS MOTOR INCASE OF GAS ENGINE To muffler After confirming the direction . Insert and Filler tube tighten the screw. Push the fuel tank forward until there are no gaps between the tank and firewall. Rubber stopper Aluminum stopper Aluminum cap 5/32"(4mm)→ 3x35 mm screw

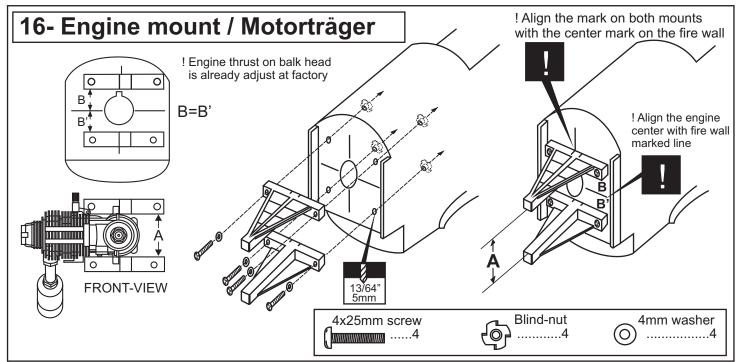
### 15- Electric Motor / Elektromotor

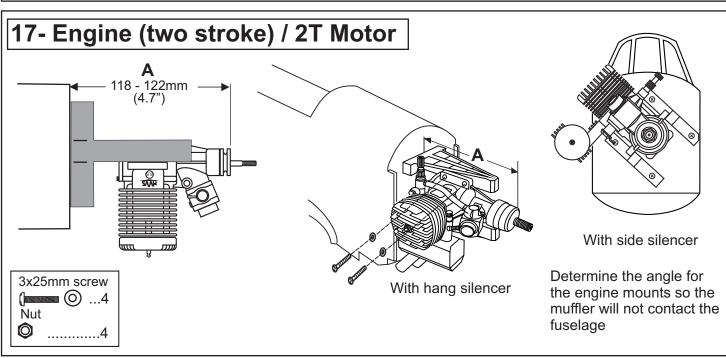
- Using a plywood motor mounting plate as a template, mark the fire wall where the four holes are to be drilled (1).
- Remove the plywood motor mounting plate and drill a 13/64"(5mm) hole through the fire-wall at each of the four marks marked (2).
- Using a aluminum motor mounting plate as a template,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

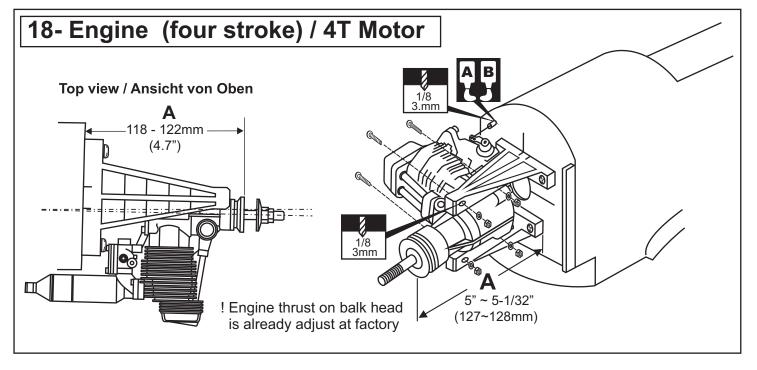


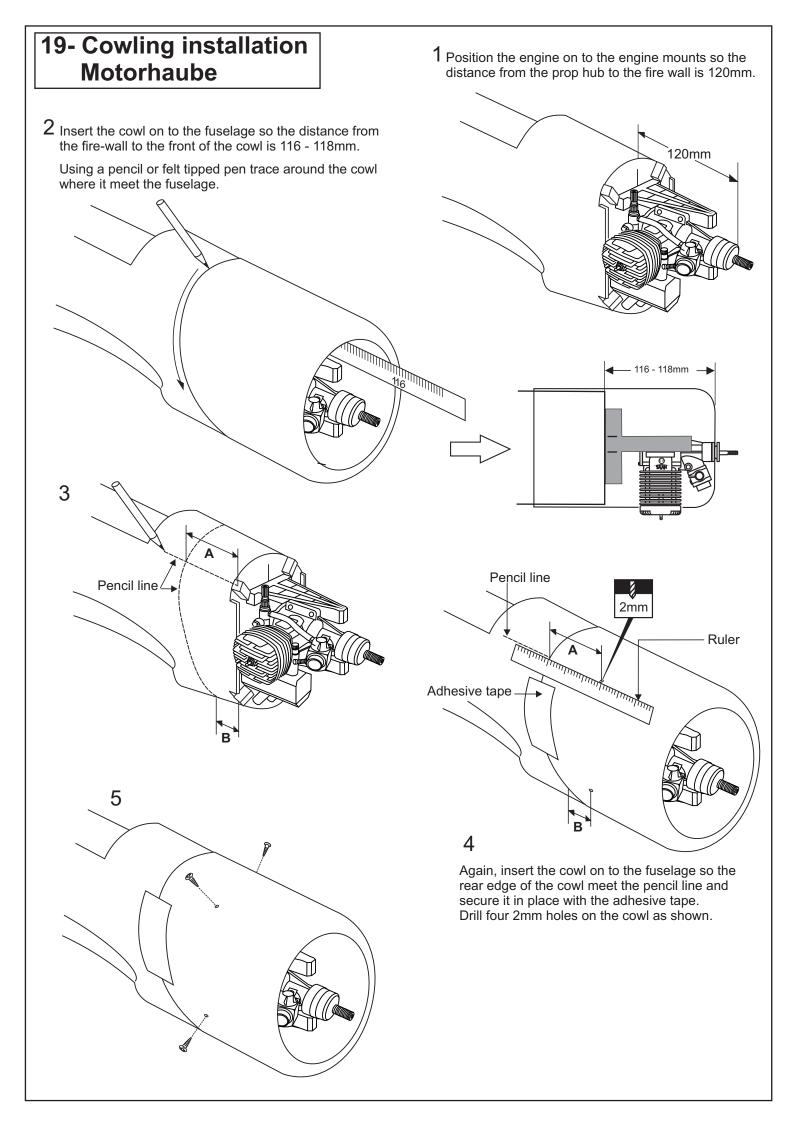


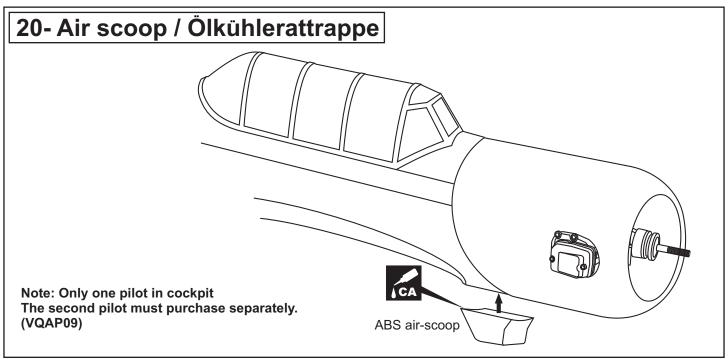


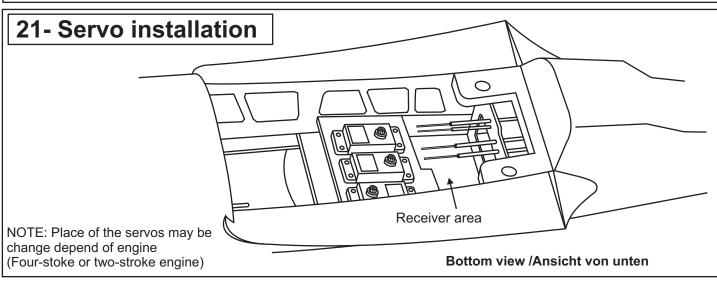


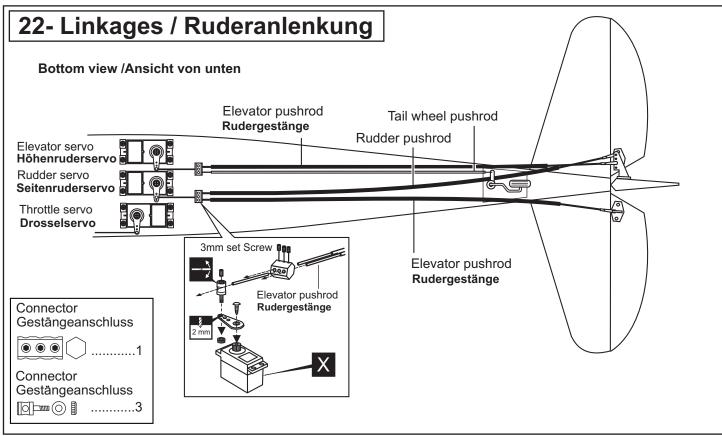


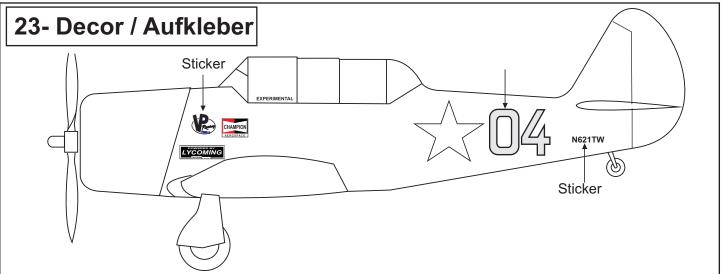












Note: Cut out the stickers and apply them in the proper area. Do not peel the backing paper off all at once. Peel off one corner of the backing and cut off with scissors. Arrange sticker on model and when satisfied adhere the corner without backing.

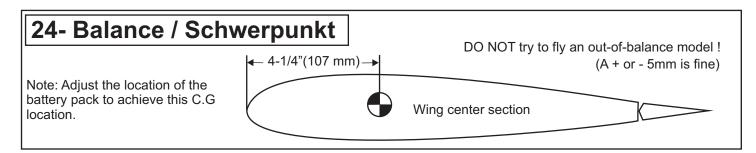
Carefully peel back the rest of the backing while at the same time adhering the rest of the sticker.

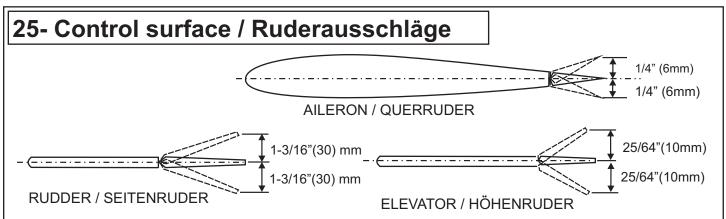
Try not to make air bubbles, if there are some, carefully puncture sticker (center of bubble) but not model surface with the tip of the knife or sharp pin and squeeze out the air. At curves stretch sticker and apply a little heat so that no ceases occur. Cut off the excess that is produced.

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

All details are subject to change without notice!

Technische Änderungen und Irrtümer vorbehalten!





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 Yak 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".