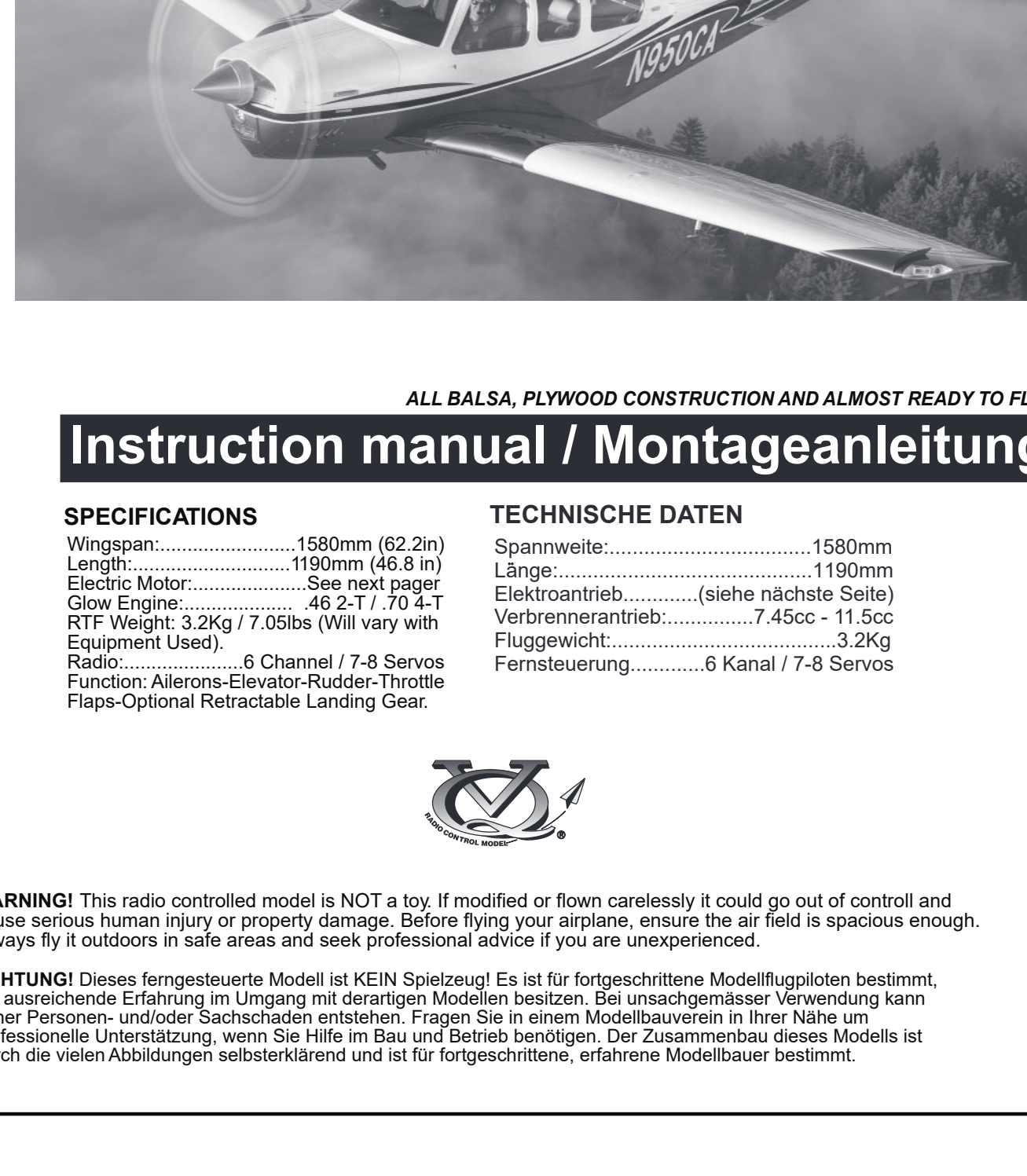


BEECHCRAFT
BONANZA

VQ No: VQA136V



ALL Balsa, Plywood construction and almost ready to fly

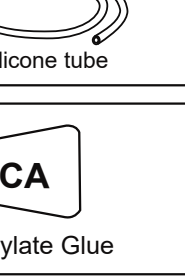
Instruction manual / Montageanleitung

SPECIFICATIONS

Wingspan.....1580mm (62.2in)
 Length.....190mm (46.8in)
 See next page
 Electric Motor.....46-2T / 70-4-T
 Glow Engine.....46-2T / 70-4-T
 RTF Weight 3.2Kg / 7.05lbs (Will vary with
 Equipment Used)
 Radio.....6 Channel / 7-8 Servos
 Functions.....Elevator-Rudder-Throttle
 Flaps-Optional Retractable Landing Gear.

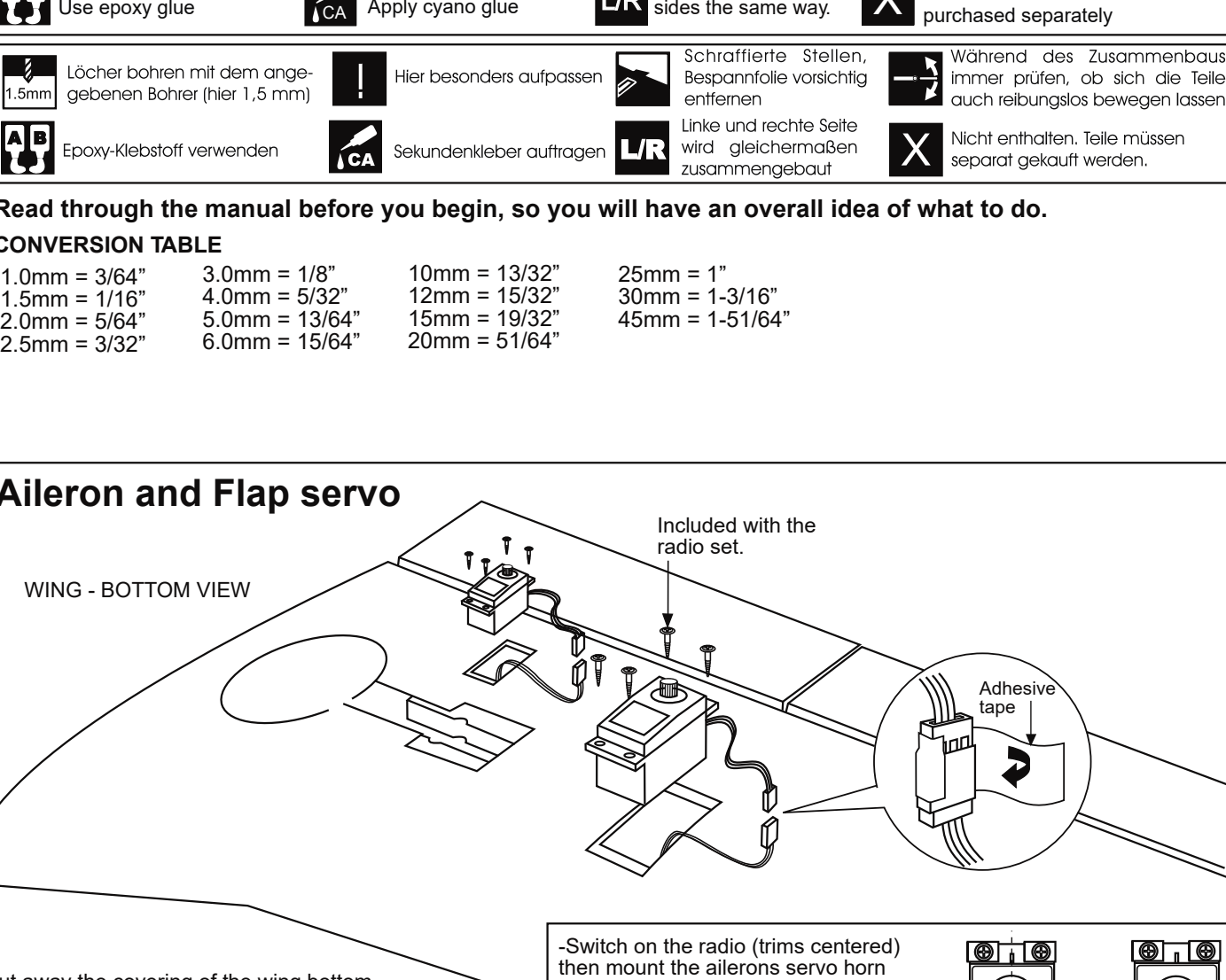
TECHNISCHE DATEN

Spannweite.....1580mm
 Länge.....1190mm
 Elektroantrieb.....(siehe nächste Seite)
 Verbrennerantrieb.....7.45cc - 11.5cc
 Fluggewicht.....3.2Kg
 Fernsteuerung.....6 Kanal / 7-8 Servos



WARNING! This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of control 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 inexperienced.

ACHTUNG! Dieses ferngesteuerte Modell ist KEIN Spielzeug! Es ist für fortgeschrittene Modellflieger 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) More info: www.pichler-modellbau.de

GLUE (Purchase separately)

SILICON Silicon sealer **CA** Cyanoacrylate Glue **EPOXY A** Epoxy Glue (5 minute type) **EPOXY B** Epoxy Glue (30 minute type)

TOLLS REQUIRED (Purchase separately)

Hobby knife Phillips screw driver Hex Wrench
 Needle nose Pliers Scissors Axl Wire Cutters
 Sander Wire Cutters

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

If exposed to direct sunlight and/or heat, wrinkles 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 Wärmeluftbläser (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 x) Take particular care here

Use epoxy glue Apply cyano glue Hatched in areas: remove covering film carefully

Check during assembly that these parts move freely without binding. Not included. These parts must be purchased separately.

Löcher bohren mit dem angegebenen Bohrer (hier 1.5 mm) Hier besonders aufpassen

Epox-Klebstoff verwenden Kleber besonders aufpassen

Gezeichnete Stellen: Schutzfolie vorsichtig entfernen. Linien und rechte Seite wird gleichermäÙen zusammengebaut

Während des Zusammenbaus immer prüfen, ob sich die Teile auch reibungslos bewegen lassen. 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 = 1-5/16"

2.5mm = 3/32" 6.0mm = 15/64" 20mm = 5/16"

1-Aileron and Flap servo

WING - BOTTOM VIEW

1-Cut away the covering of the wing bottom where the aileron servo goes

2-Connect the aileron servo cord to the aileron extension cord

3-Install the aileron servo on the servo mount.

Do the same way with second wing half

Switch on the radio (trims centered) when you mount the aileron servo horn in neutral position. The servo horn should be perpendicular to the servo

YES NO

2-Aileron/Flap control horn

WING - BOTTOM VIEW

1-Depending on the position of the linkage, determine the location of aileron control horn. The horn holes must be perfectly aligned with the axis of articulation

2-Mark the position of the "foot" of the horn on the aileron. Then, with the drill, make the 2 holes

3-Install the aileron control horn as shown.

Do the same way with second wing half

3-Aileron/Flap linkages

WING - BOTTOM VIEW

Do the same way with second wing half

4-Electric retract

EXTENDED POSITION

RETRACTED POSITION

ELECTRIC RETRACT LANDING GEAR

RECEIVER

Do the same way with second wing half

5-Fixed gear

3x12mm screw 3x20mm screw Nylon gear strap Gear mount x 2 plate x 2

1 2 3

WING - BOTTOM VIEW

6-Fixed gear installation

WING - BOTTOM VIEW

Do the same way with second wing half

7-Stabilizer installation

Check the alignment of the 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.

Again, slide the stabilizer into the slot on the fuselage. Check the alignment of the stabilizer. When you are satisfied with the alignment, glue (30 min. Epoxy) the both sides of the stabilizer where it meets the fuselage.

Securely glue together if cementing off during fly, you lose control of your air plane.

30 min. Epoxy

Control horn Alignment

Plastic control horn 2x30mm .4

Do the same way with second wing half

8-Nose gear

Nose gear mount 3x20mm screw 3mm nut, washer 1/8" (3mm) nut Steering arm

1 2 3 4 5

IN CASE OF ELECTRIC RETRACT LANDING GEAR USING (Electric retract landing gear and Struts must purchase separately)

Steering arm Nose gear pushrod

1 2 3

9-Engine mount / Engine

5/32x1" 4x25mm screw 1/8x5-1/64" 3x20mm screw 1/8" (3mm) nut

Using a pencil or felt tipped pen, mark the fire wall where the four holes are to be drilled.

Remove the engine mount and drill a 1/8" (3mm) hole through the fire-wall at each of the four marks marked.

Reposition the engine mounts on to the fire-wall. Attach the four link-nut to the fire-wall as shown. Secure them with four 4x25mm screw.

Position the engine on to the engine mounts so the distance from the prop hub to the fire-wall from 124 to 130mm. Mark the engine mounting plate where the four holes are to be drilled.

Remove the engine and drill a 1/8" (3mm) holes through the beam at each of the four marks made above.

Reposition the engine on the engine mounting beams, aligning it with the holes. Secure the engine to the engine mount using four 3x20mm screws.

Note: Mark the mounting plate through the engine mounting flanges.

Engine thrust on balk head is already adjust at factory

10-Fuel tank (in case of glow engine using)

1 2 3

After confirming the direction, insert this assembly clunk end first, into the fuel tank and tighten and screw the fuel tank cap on firmly. Ensure that the fuel tank clunk does not touch the rear of the fuel tank.

Checking for leaks - block the vents and blow into the feed - if in doubt submersing the tank in a bowl of water will show up any problems.

11-Electric Motor

Mark here 3mm 6mm

Using an aluminum motor mounting plate as a template, mark the plywood motor mounting plate where the four holes are to be drilled.

Remove the motor and drill a 3mm (1/8") hole at each of the four marks marked.

Apply the plywood motor mounting onto the motor mounting with the marks on the fire-wall. Mark the fire-wall where the four holes are to be drilled.

Remove the motor mounting and drill a 5mm hole at each of the four marks marked.

Attach the four 6x100mm bolts, washers and nuts to the fire-wall as shown.

Attach the motor to the motor mounting and secure it in place using the four 3x20mm bolts and nuts.

Firewall SIDE-VIEW

1 Engine thrust on balk head is already adjust at factory

12-Cowling

Board or transparent plastic Adhesive tape 2.5x10mm screw

1-Attach the board or transparent plastic on the side of the fuselage with the adhesive tape as shown.

2-Using a pencil or felt tipped pen trace around the engine head where it meet the cow. Cut the opening of the board or transparent plastic for the engine head as marked before.

3-Remove the engine and insert the cowl on to the fuselage so the distance from the fire wall to the front of the cowl from 124 to 130mm.

Trace around inside the hole on the board or transparent plastic with a pencil.

4-Remove the cowl from the fuselage and carefully cut the opening for the engine head as marked above. Do the same way with the hole for needle-valve.

5-Again, insert the cowl on to the fuselage and secure it in place with five 2.5x10mm self tapping screws.

13-Servo

FUSELAGE - TOP VIEW

Throttle servo Elevator servo Nose wheel servo

Shift the location of the fuel tank, battery pack, or Li-po battery as needed to obtain the specified CG.

14-Linkages

Throttle push-rod FUSELAGE - TOP VIEW Elevator push-rod

Throttle servo Elevator servo Nose wheel servo

Nose gear push-rod

Elevator push rod

Elevator push rod

FUSELAGE - TOP VIEW

3mm set screw Elevator/pushrod Elevator pushrod

Connector 1 2mm 3

15-Installation the Wing

WING

Aluminum tube

WING

16-Installation the Wing

WING

WING

17-Installation the wing

5x25mm screw

WING

Secure the wing in place using the 5x25mm screw.

18-Decor

Gear door (3mm plywood)

Nose Gear door installation

Note: Glue the Right and Left gear door on to the fuselage only. Do not glue them to the cow! If you want to remove the cowl out of the fuselage.

Do not glue here

Sticker

Sticker

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 creases occur. Cut off the excess that is produced.

19-Canopy

4x25mm plastic bolt

WING

20-Balance

DO NOT try to fly an out-of-balance model!

Note: If necessary, move the battery pack or add weight to either the tail or nose until the correct balance is achieved.

128mm (5") Wing center section

23-Control Surface

ELEVATOR / HÖHENRUDER

6mm (15/64") 9mm (23/64")

AILERON / QUERRUDER

6mm (15/64")

FLAP / LANDEKLAPPEN

Lake off /Start 10mm (25/64") Landing /Landung 22mm (55/64")

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.

All details are subject to changewithout notice!

Technische Änderungen und Irrtümer vorbehalten!