Radio control model / Flugmodel

L-19/0-1 BIRD DOG

1730mm Wingspan



VQ No: VQA160CE (U.S.AIR FORCE)

ALL BALSA, PLYWOOD CONSTRUCTION AND ALMOST READY TO FLY

Instruction manual / Montageanleitung

SPECIFICATIONS

Wingspan:1730mmLength (installed motor)1190mmElectric Motor:800WattGlow Engine:.55 2-T / .72 4-TRTF Weight: 3100 - 3450g (will vary withequipment use).Radio:.6 Channel / 6-7 ServosFunction: Ailerons-Elevator-Rudder-ThrottleFlaps.



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 Unterstätzung, 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.



1-3/16" 1-51/64"

CONVERSION TABLE

BEFORE STARTING ASSEMBLING, YOU NEED TO CHOOSE ONE OF THE FOLLOWING THERE WAYS:

- 1- Fly with Glow Engine: With this way, the ready to fly weight approx 3100grs, depending on glow engine type.
- 2- Fly with Electric motor (with scale pilot figure **with two legs**): With this way, the Li-po battery is located under front pilot's seat.

Ready to fly weight approx 3450grs. (already 350gr of ballast in the nose of model).



3- Fly with Electric motor (with scale pilot figure **without legs**): With this way, the ready to fly weight approx 3100grs, depending on electric motor type.





L-19 BIRD-DOG 2- GLOW ENGINE INSTALLATION



L-19 BIRD-DOG 3- GLOW ENGINE INSTALLATION



L-19 BIRD-DOG 5- ELECTRIC MOTOR INSTALLATION









L-19 BIRD-DOG 9- TAIL GEAR INSTALLATION





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.

















L-19 BIRD-DOG 21- PILOT'S SEAT INSTALLATION



L-19 BIRD-DOG 22- PILOT'S SEAT INSTALLATION

Note: The Li-po battery is located on the back of fire-wall (in case of electric motor using) or the fuel-tank is located on the back of fire-wall (in case of glow engine using).





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L-19 BIRD-DOG 23- PILOT'S SEAT INSTALLATION



L-19 BIRD-DOG 24- INSERT THE COWL

Insert the cowl onto the fuselage so that the distance from the prop hub of engine to the front of the cowl is 2mm as shown. Using a pencil, trace around the fuselage where the back of the cowl meet the fuselage.



2mm

L-19 BIRD-DOG 25- INSERT THE COWL

Again, insert the cowl on to the fuselage so that the back of the cowl meet the pencil line and drill three 2mm holes and two 1mm holes as shown.



L-19 BIRD-DOG 26- WING: AILERON AND FLAP SERVO





L-19 BIRD-DOG 28- WING: ROCKET LAUNCHER











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.

LATERAL BALANCE:

After you have balanced a plane on the CG, you should laterally balance it. Doing this will help the airplane track straighter.

- 1- Turn the airplane upside down. Attach one loop of heavy string to the engine crankshaft and one to the tail wheel wire. With the wing level, carefully lift the airplane by the string. This may require two people to make easier.
- 2- If one side of the wing fall, that side is heavier than the opposite. Add small amounts of lead weight to the bottom side of the lighter wing half's wing tip. Follow this procedure until the wing stays level when you lift the airplane.

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



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 Spitfire 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".

L-19 BIRD-DOG 35- STICKER



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.

IMPORTANT: Please do not clean your model with strong solvent or pure alcohol, only use kerosene to keep the colour of your model not fade.