

Instruction manual / Montageanleitung

SPECIFICATIONS

Wingspan 1580mm Length 1180mm Electric Motor 870 Watt Glow Engine .46 2-T / .70 4-T Radio 6 Channel / 7 Servos

TECHNISCHE DATEN

1580mm Spannweiter Länge 1180mm Elektroantrieb 870 Watt Verbrennerantrieb 7.5cc 2-T / 11cc 4-T Fernsteuerung 6 Kanal / 7 Servos



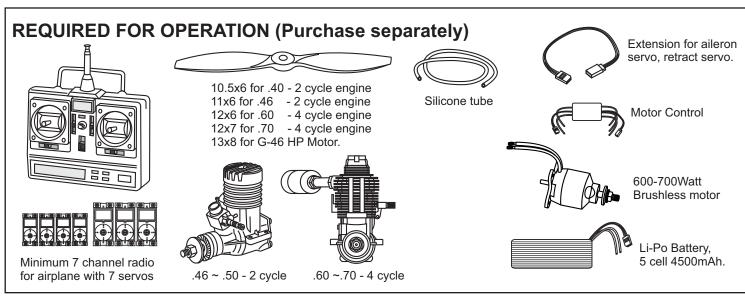
WARNING! This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of controll and cause serious human injury or property damage. Before flying your airplane, ensure the air field is spacious enough. Always fly it outdoors in safe areas and seek professional advice if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

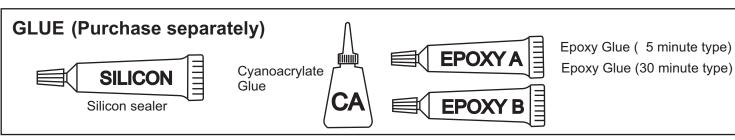
ACHTUNG! Dieses ferngesteuerte Modell ist KEIN Spielzeug! Es ist für fortgeschrittene Modellflugpiloten bestimmt, die ausreichende Erfahrung im Umgang mit derartigen Modellen besitzen Bei unsachgemäßer Verwendung kann hoher Personen- und/oder Sachschaden entstehen. Fragen Sie in einem Modellbauverein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

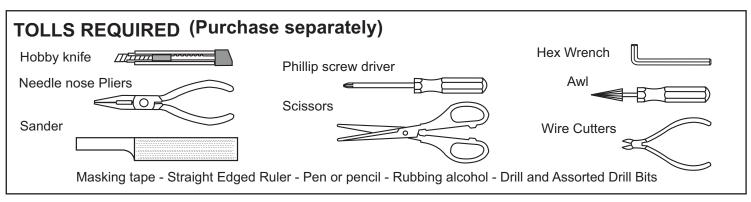
SAFETY NOTES BEFORE ASSEMBLING

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.

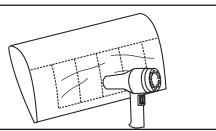






The pre-covered film on ARF kit may wrinkle due to variations of temperature. Smooth out as explained right.

* Use an iron or heat gun. Start as low setting. Increase the setting if necsessary. If it is too high, you may damage the



Symbols used throughout this instruction manual, comprise:



Drill holes using the stated .5mm size of drill

(in this case 1.5 mm Ø)



Take particular care here



Hatched-in areas: remove covering film carefully



Check during assembly that these parts move freely, without binding

Use epoxy glue



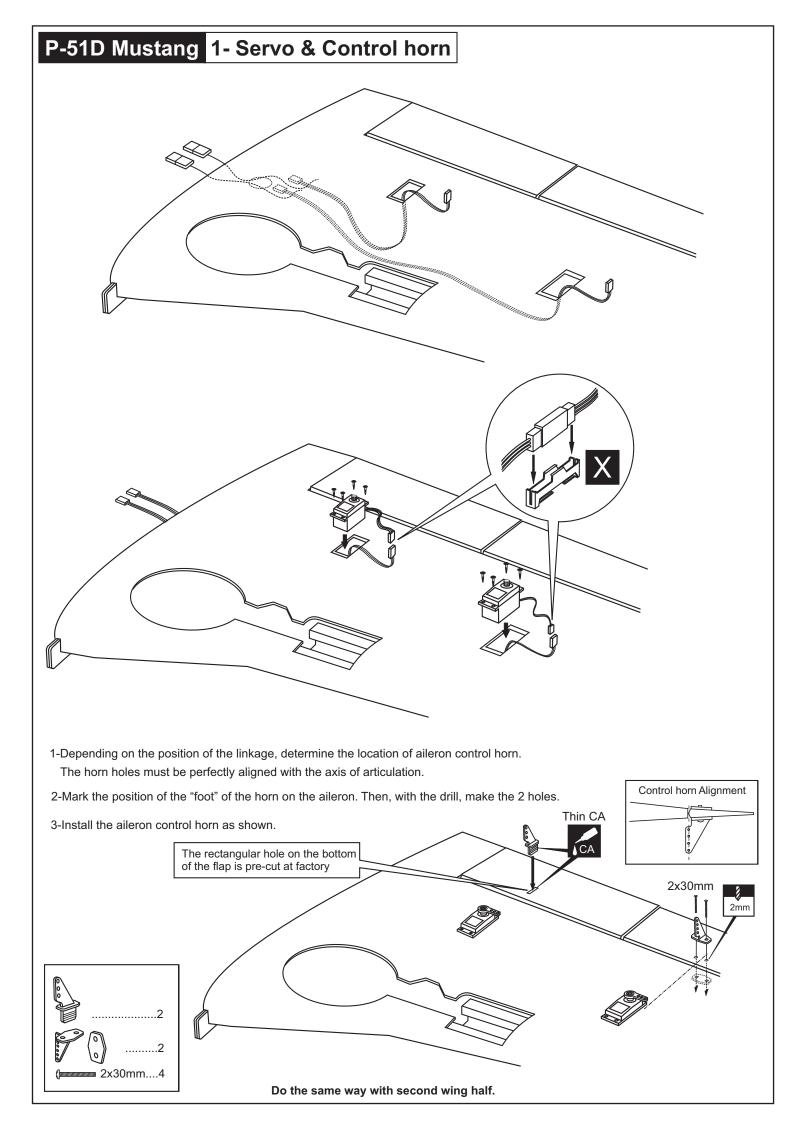
Apply cyano glue

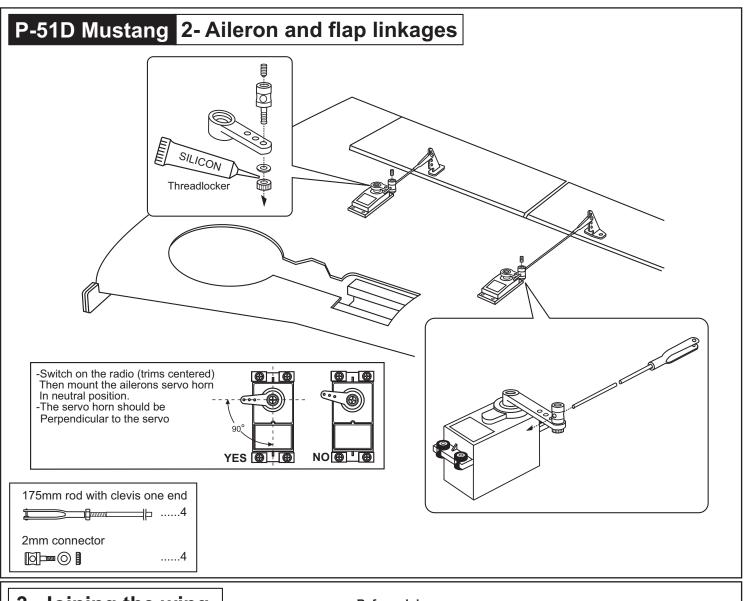


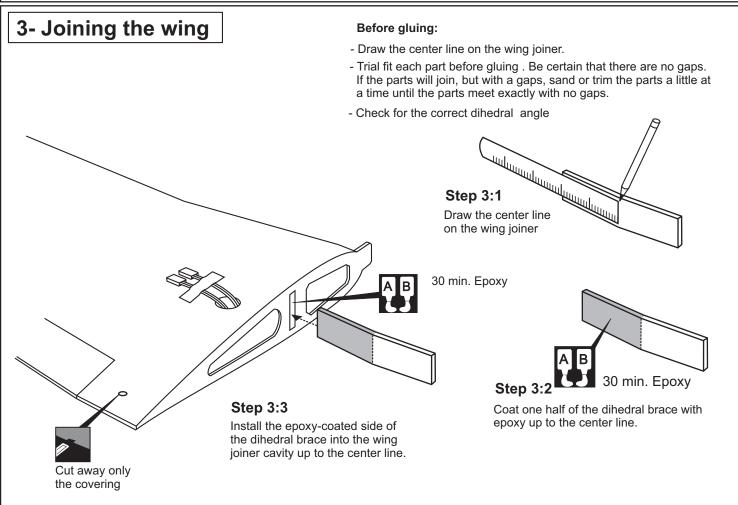
Assemble left and right sides the same way.

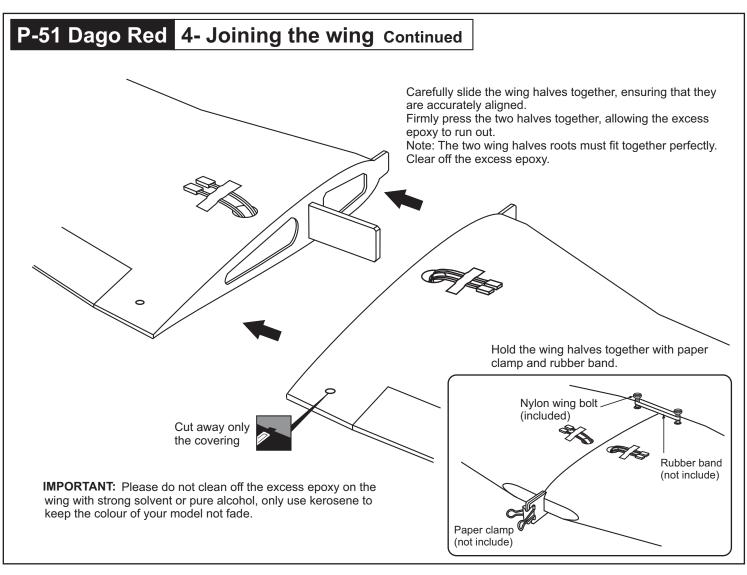


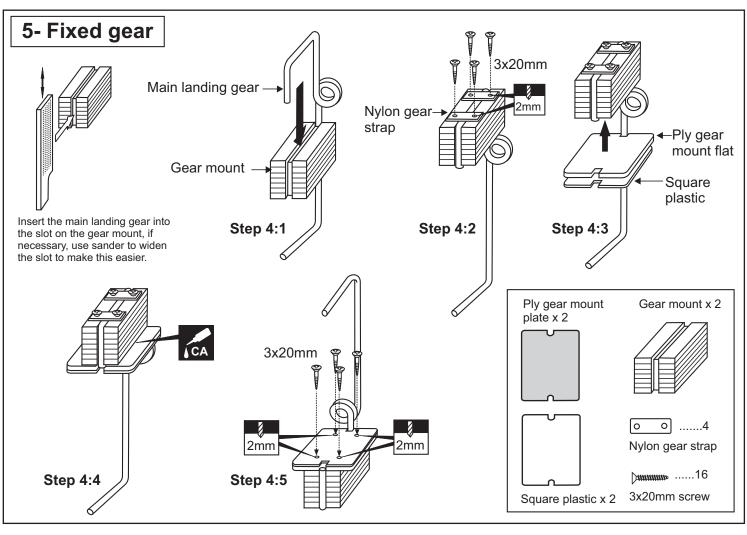
Not included. These parts must be purchased separately

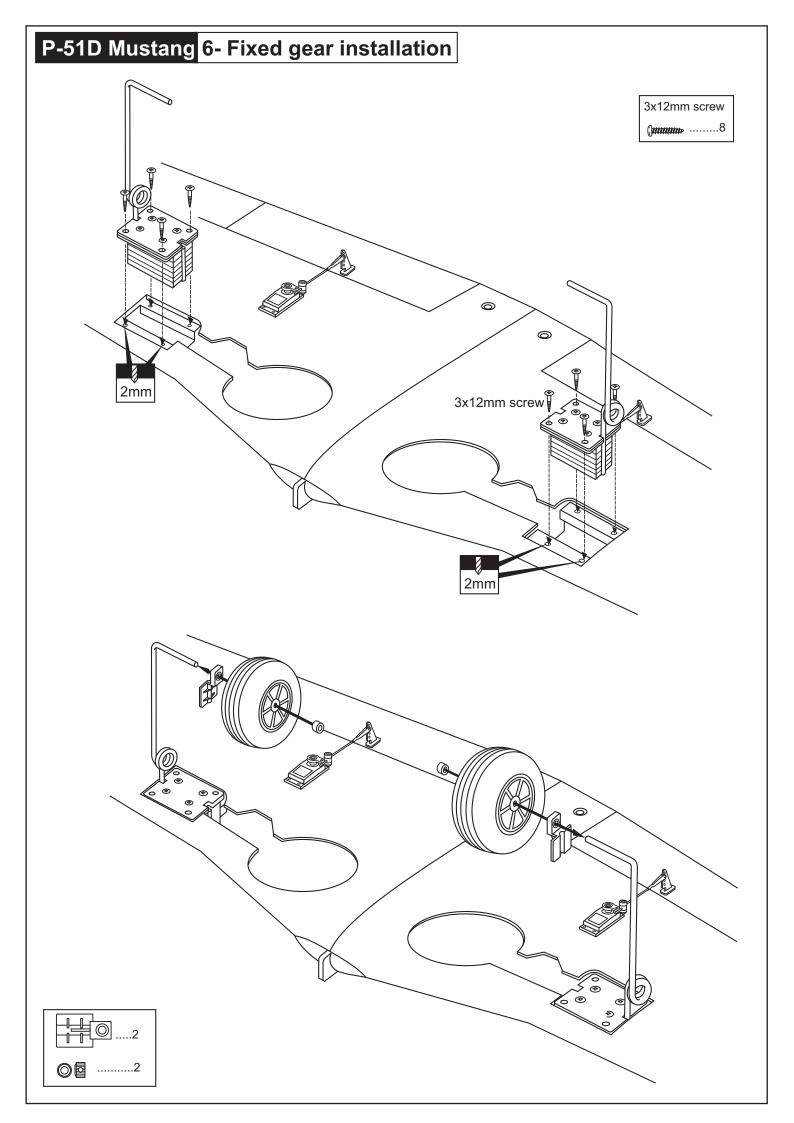




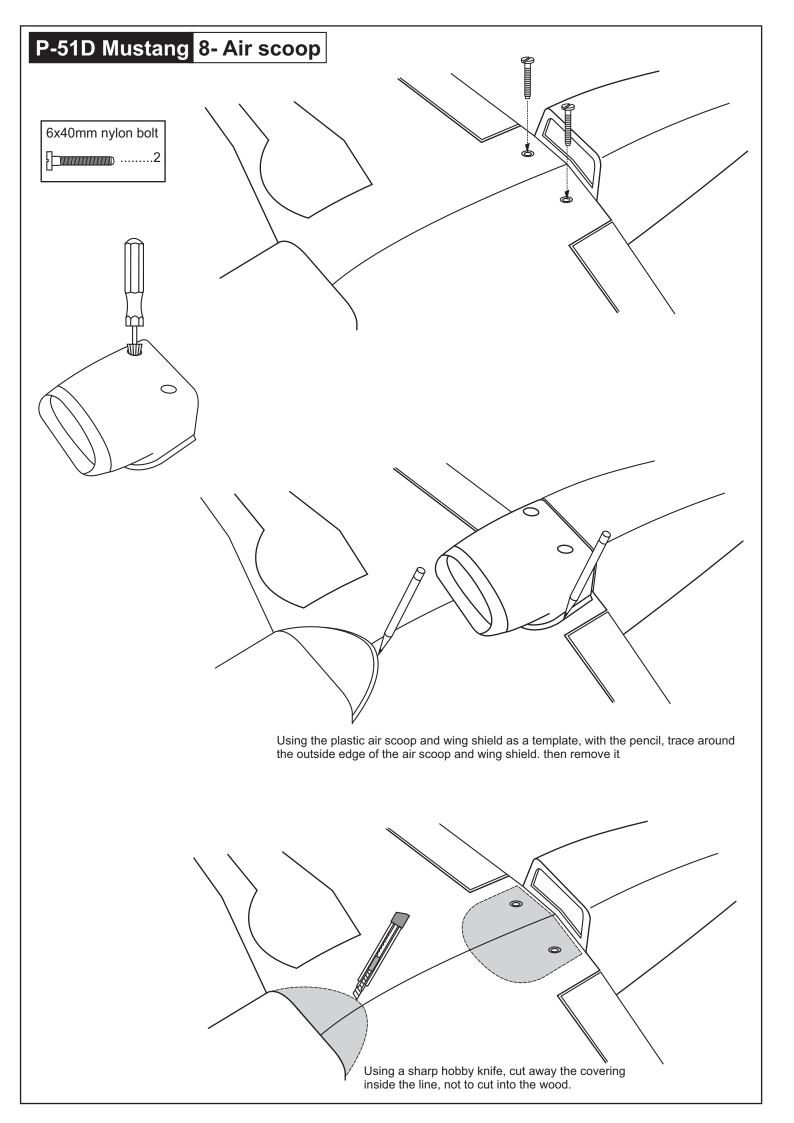




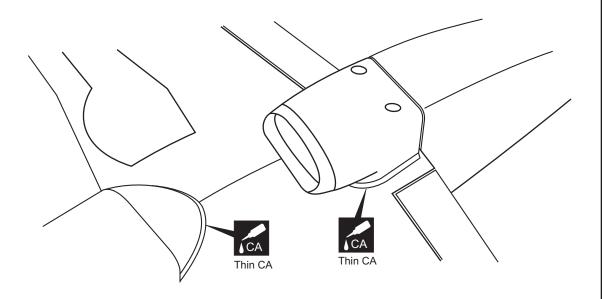




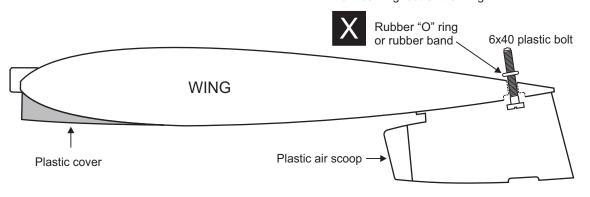
P-51D Mustang 7- Main wheel 0 1.5mm 2mm screw (**)**4 0 Note: you can use 2x8mm self tapping screws to fix the plastic cover if possible late you can use retract landing gear

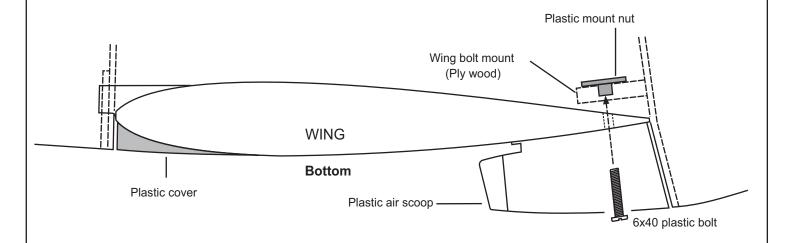


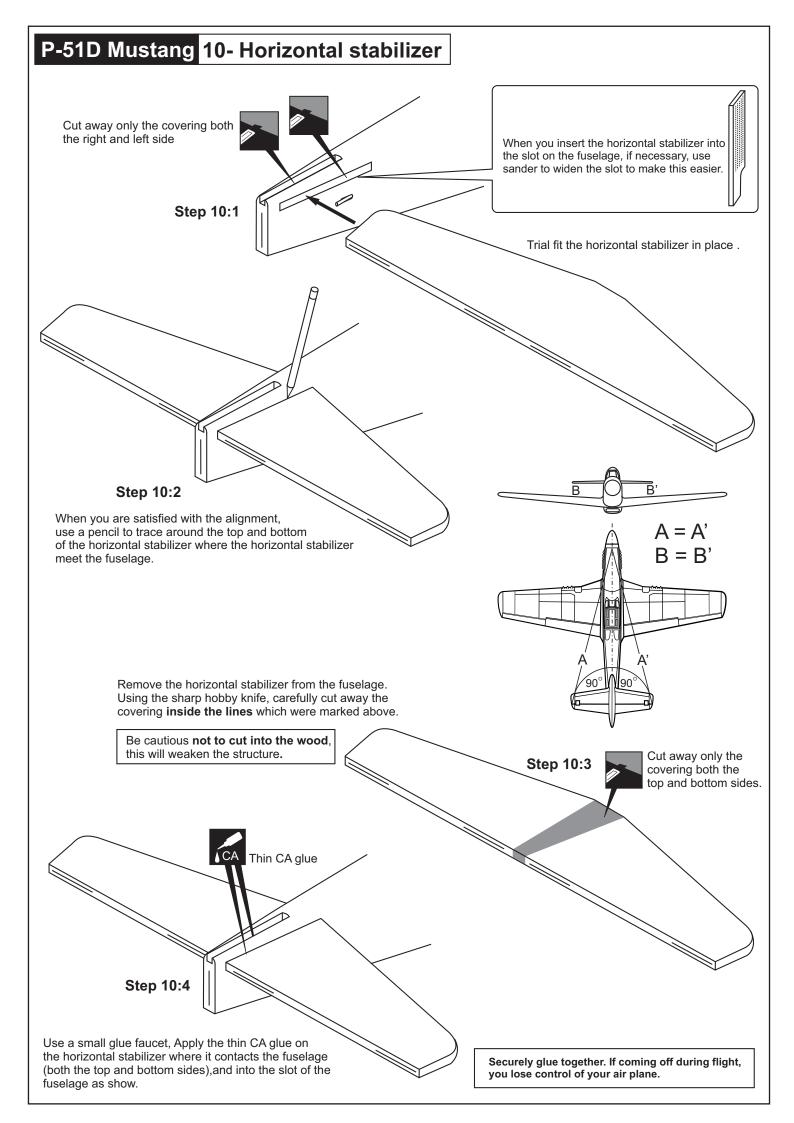
P-51D Mustang 9- Air scoop Continued

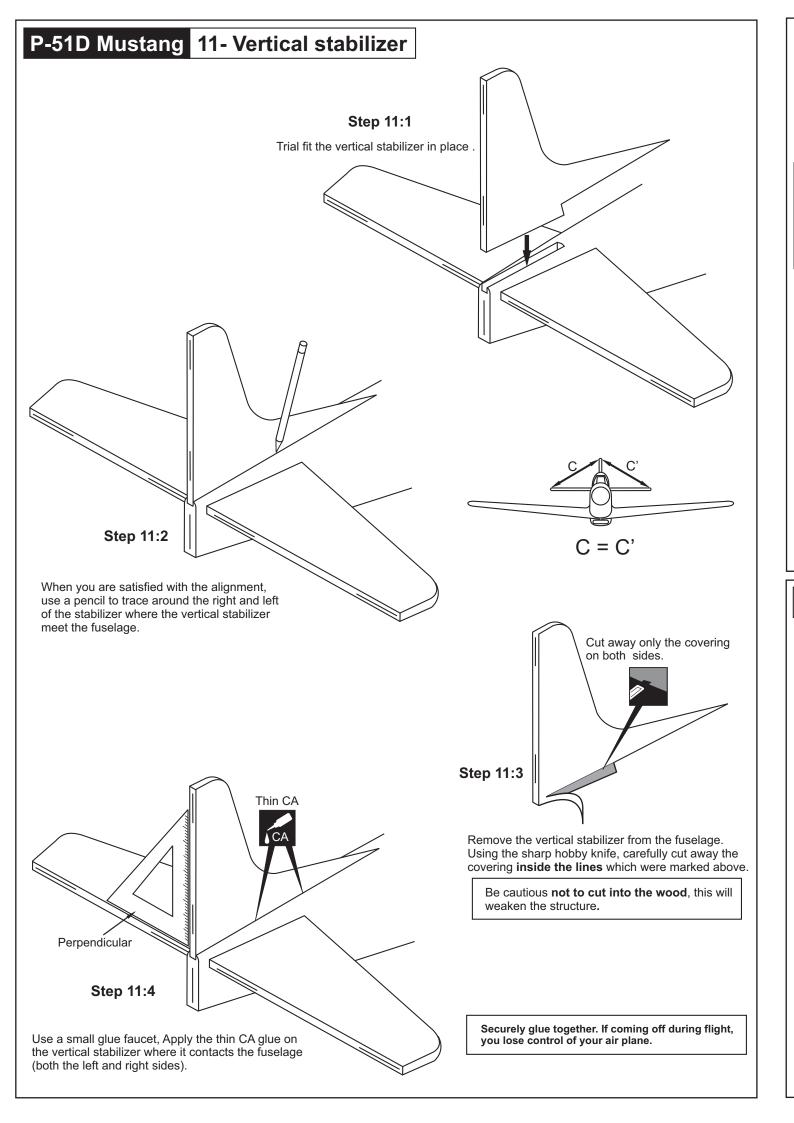


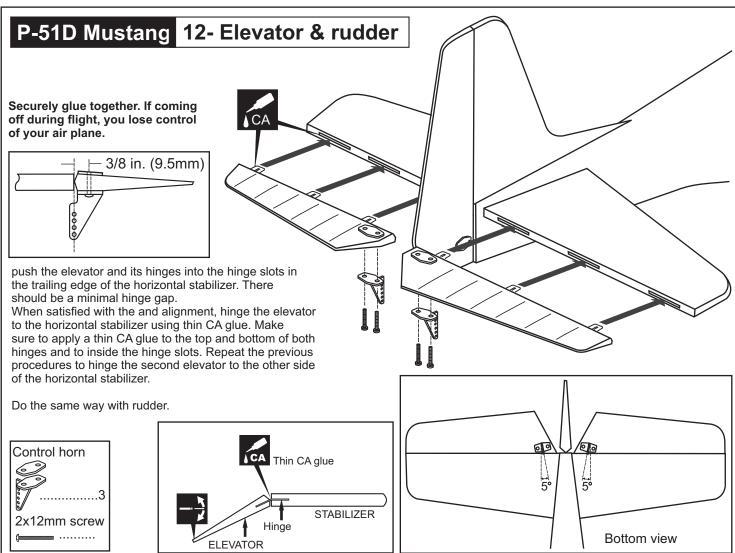
Note: This rubber "O" ring keeps the plastic bolt from coming out of the wing.

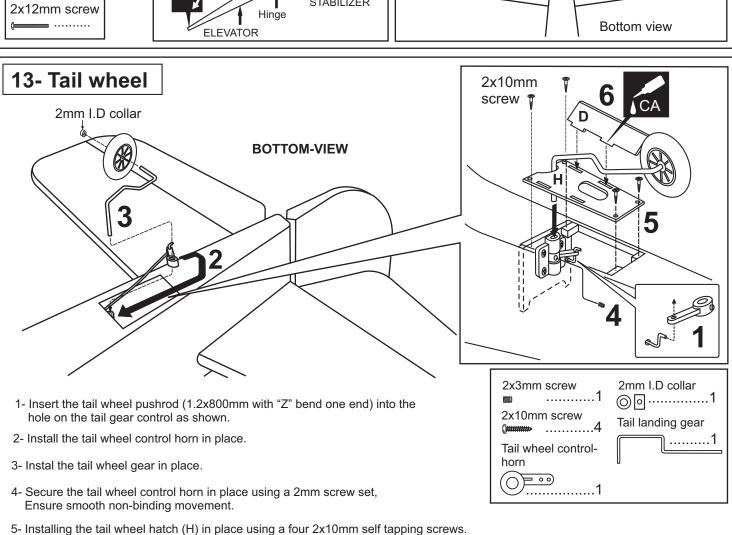






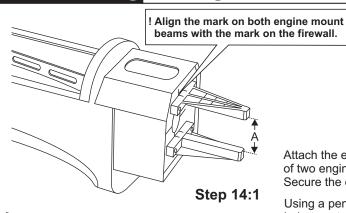


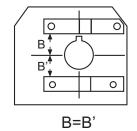


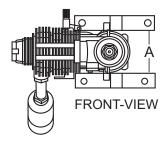


6- Attach the tail wheel doors (D) in place using CA glue.

P-51D Mustang 14- Engine mount & Engine

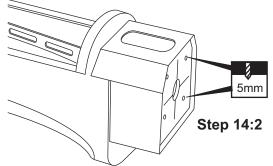




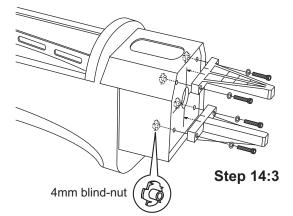


Attach the engine mount beams onto the fire-wall so the distance between of two engine mount beams is "A",and B=B' as show. Secure the engine mount beams onto the fire-wall with <u>litter CA glue</u>.

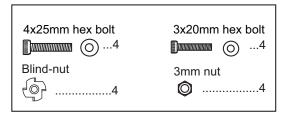
Using a pencil or felt tipped pen, mark the fire wall where the four holes are to be drilled



Remove the engine mount and drill a 5mm hole through the fire-wall at each of the four marks marked.



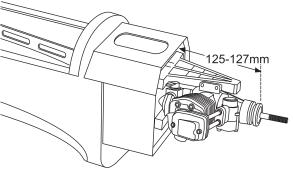
Reposition the engine mounts on to the fire-wall. Attach the four blind-nut to the fire-wall as show. Secure them with four 4x25mm hex bolts.

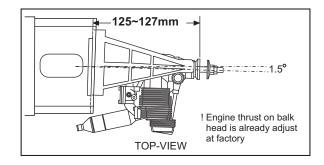


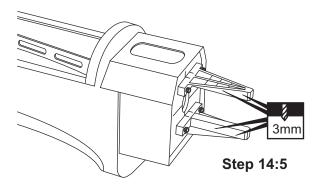
Position the engine on to the engine mounts so the distance from the prop hub to the fire wall is 127mm

Mark the engine mounting plate where the four holes are to be drilled.

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





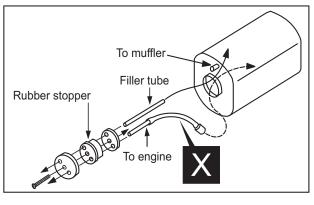


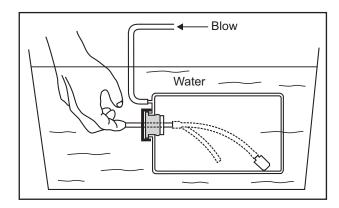
Remove the engine and drill a 3mm holes through the beam at each of the four marks made above.

Reposition the engine on the engine mount beams, aligning it with the holes. Secure the engine to the engine mount using four 3x25mm hex bolts.

Note: Apply Silicon sealer to each of the 3x20mm hex bolt.

P-51D Mustang 15- Fuel tank

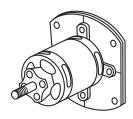




Checking for leaks - block the vents and blow into the feed. if in doubt submersing the tank in a blow of water will show up any problems.

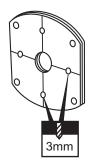
Carefully install the fuel tank to ensure that they will not shift during flight (secure the fuel tank in place using foam padding).

16- Electric motor



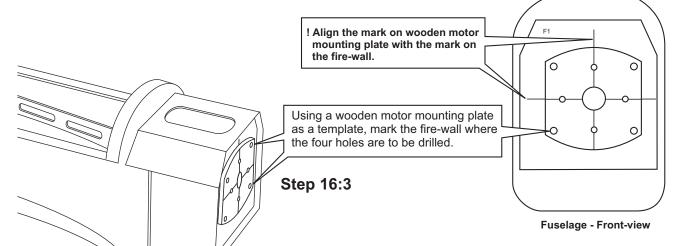
Using a aluminum motor mounting plate as a template, mark the plywood motor mounting plate where the four holes are to be drilled.

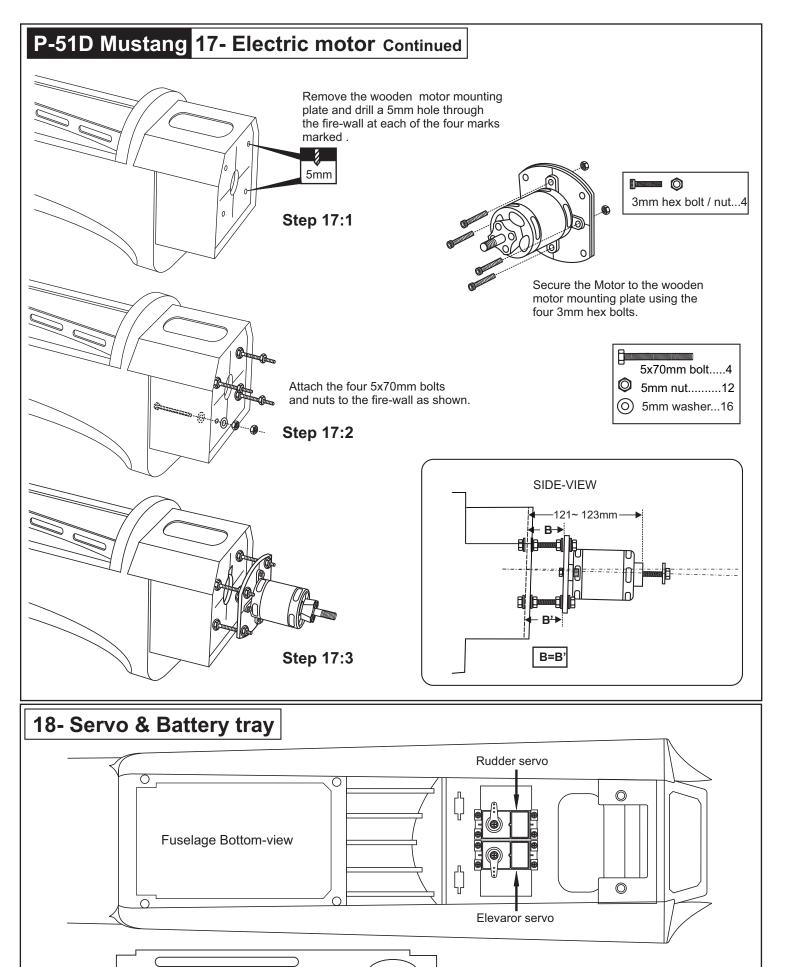
Step 16:1



Remove the aluminum motor mounting plate and drill a 3mm hole through the plywood at each of the four marks marked .

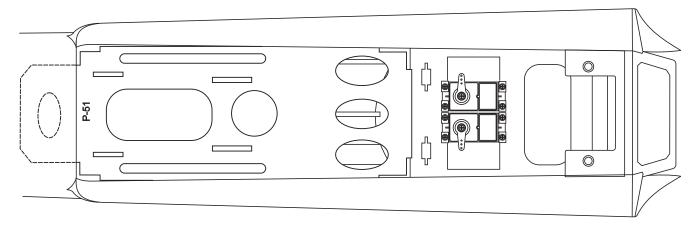
Step 16:2





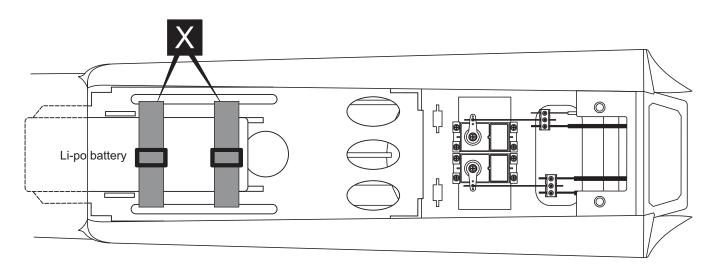
■ Li-po battery tray

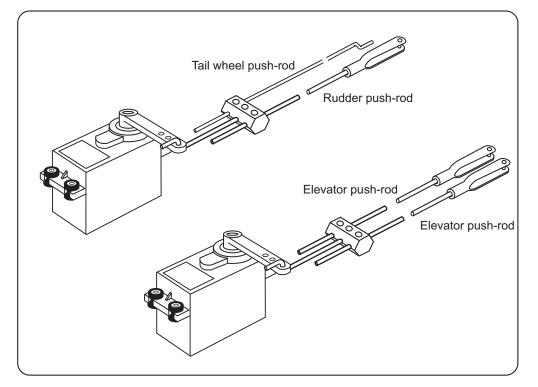
P-51D Mustang 19- Elevator & Rudder linkages

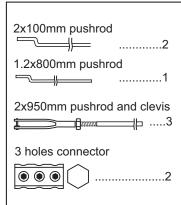


Insert the Li-po battery tray into the fuselage as shown in the figure. Secure it in place with CA glue or Epoxy glue.

••

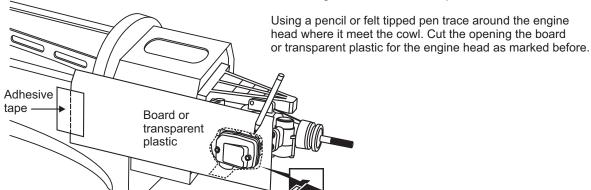






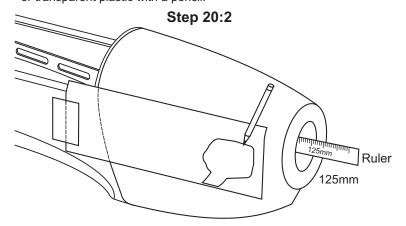
P-51D Mustang 20- Cowling

Attach the board or transparent plastic on the side of the fuselage with the adhesive tape as show.

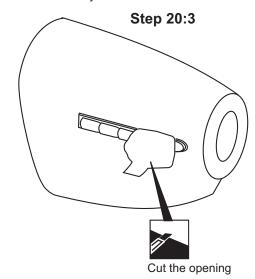


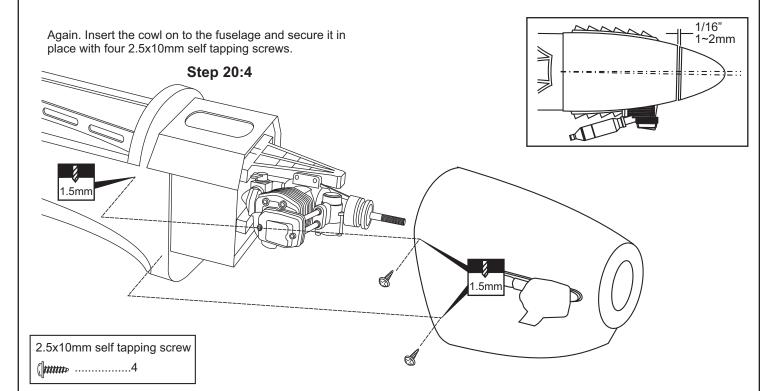
Step 20:1 Cut the opening

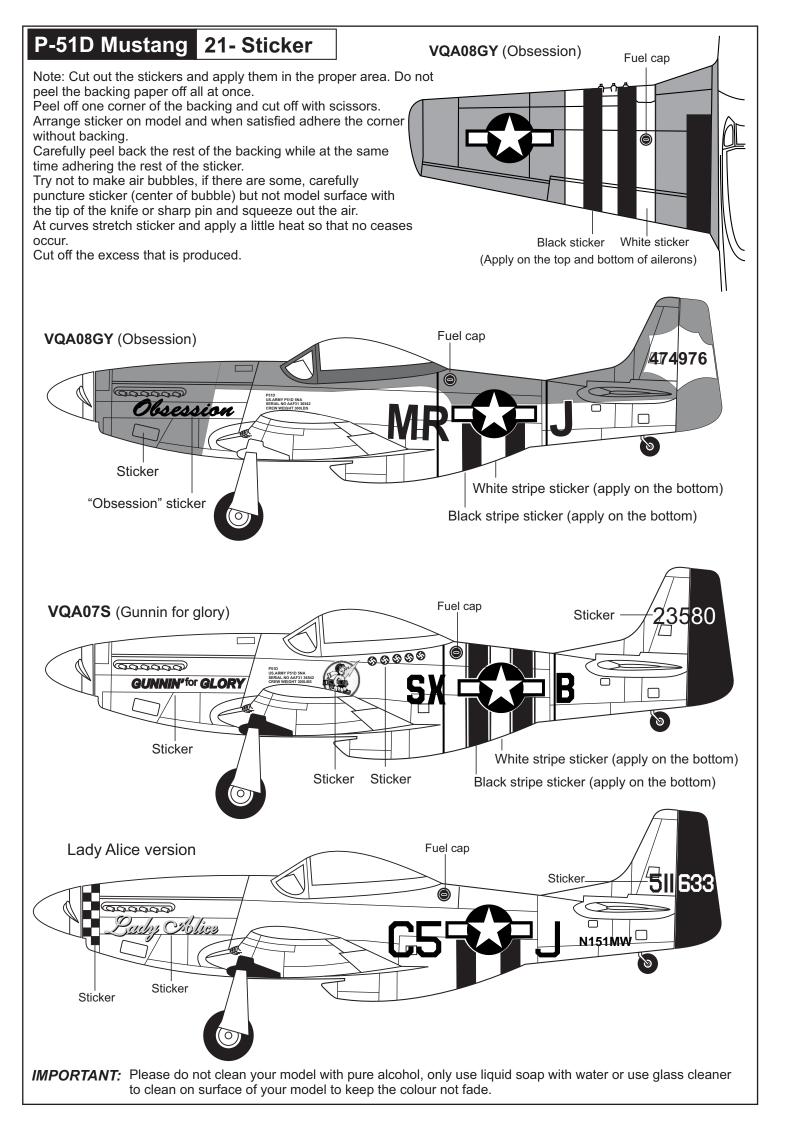
Remove the engine and insert the cowl on to the fuselage so the distance from the fire wall to the front of the cowl is 125mm. Trace around inside the hole on the board or transparent plastic with a pencil.

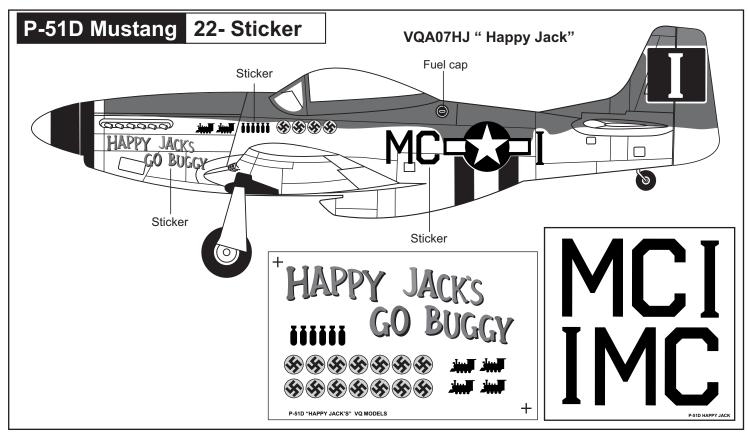


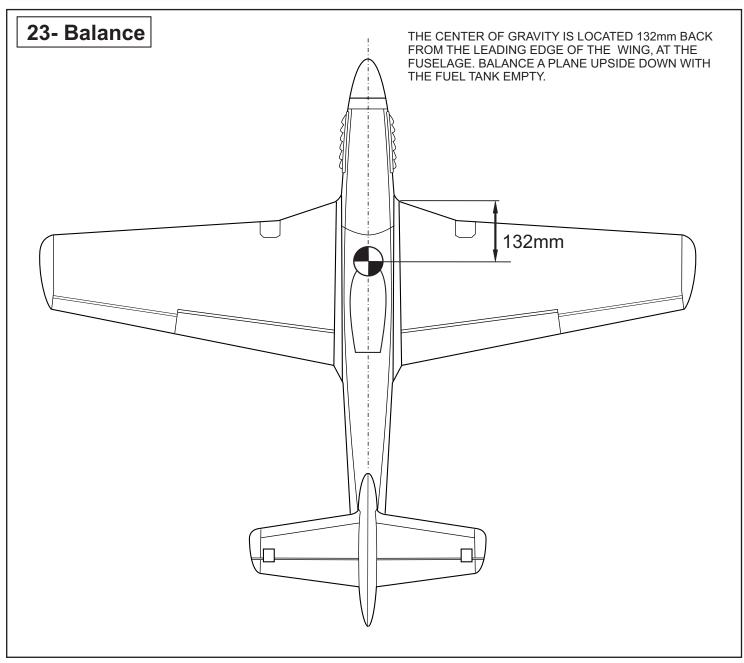
Remove the cowl from the fuselage and carefully cut the opening for the engine head as marked above. Do the same way with the hole for needle-valve.











P-51D Mustang 24- Balance continued

- 1- Mount the wing to the fuselage. Using a couple of pieces of masking tape, place them on the top side of the wing (132mm) back from the leading edge, at the fuselage sides.
- 2- Lift the airplane. Place your fingers on the masking tape and carefully lift the plane.
- 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!

