RADIO CONTROL MODEL

CURTISS P-40

NEXA

INSTRUCTION MANUAL / MONTAGEANLEITUNG

TECHNISCHE DATEN

Spannweiter	1570mm
Länge	1360mm
Elektroantrieb	900 Watt Brushless Motor
Verbrennerantrieb	10cc 2-T / 15cc 4-T
Fernsteuerung	6 Kanal / 7 Servos

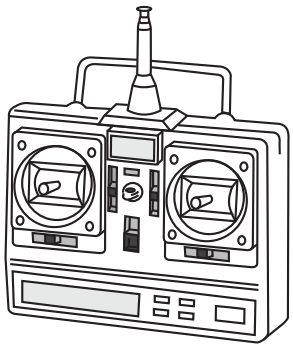
SPECIFICATIONS

Wingspan	1570mm
Length	1360mm
Electric Motor	900 Watt Brushless Motor
Glow Engine	.60 2-T / .90 4-T
Radio	6 Channel / 7 Servos

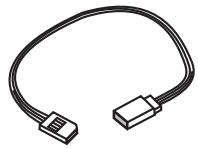
WARNING! This radio controlled model is NOT a toy. If modified or flown carelessly it could go out of controll and cause serious human injury or property damage. Before flying your airplane, ensure the air field is spacious enough. Always fly it outdoors in safe areas and seek professional advice if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

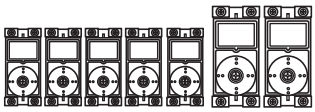
REQUIRED FOR OPERATION (Purchase separately)
BENÖTIGTE KOMPONENTEN FUR DEN ABFLUG (Nicht enthalten)



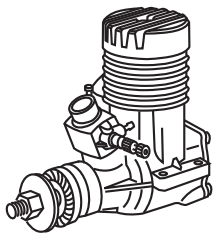
12x6 for .60 - 2 cycle engine
13x7 for .90 - 4 cycle engine
14X8 for Electric Motor



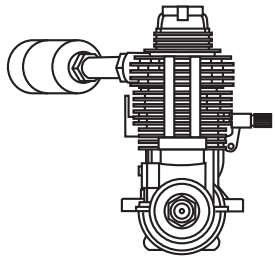
Extension for aileron
Flap and retract servo.



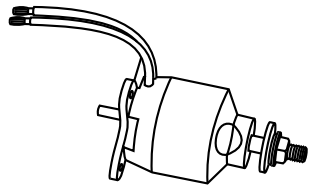
Minimum 6 channel radio
for airplane with 7 servos
Motor control x1- mini servo .
Aileron x2 - mini servo
Flap x2 - mini servo
Rudder x1 - standard servo
Elevator x1 - standard servo



.60 - 2 cycle

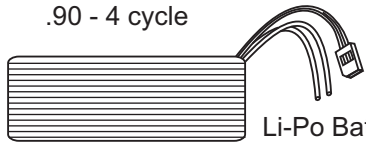


.90 - 4 cycle



Brushless Motor
(900Watts)

Silicone tube

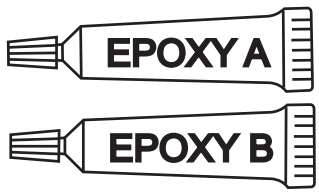


Li-Po Battery, 14.8V, 4500mAH (25C)

GLUE (Purchase separately)

Silicon sealer

Cyanoacrylate
Glue
Klebstoff



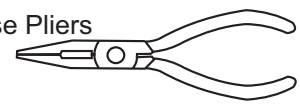
Epoxy Glue (5 minute type)
Epoxy-Klebstoff (5min-Typ)

Epoxy Glue (30 minute type)
Epoxy-Klebstoff (30min-Typ)

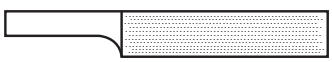
TOLLS REQUIRED (Purchase separately)

Hobby knife

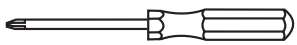
Needle nose Pliers



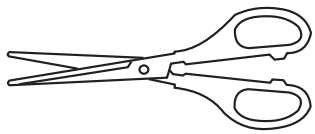
Sander



Phillip screw driver



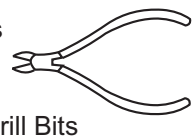
Scissors



Hex Wrench

Awl

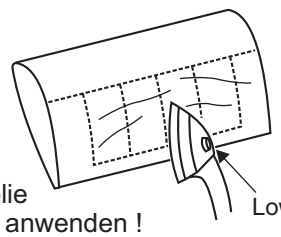
Wire Cutters



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

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 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 !



Low setting

Drill holes using the stated 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

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

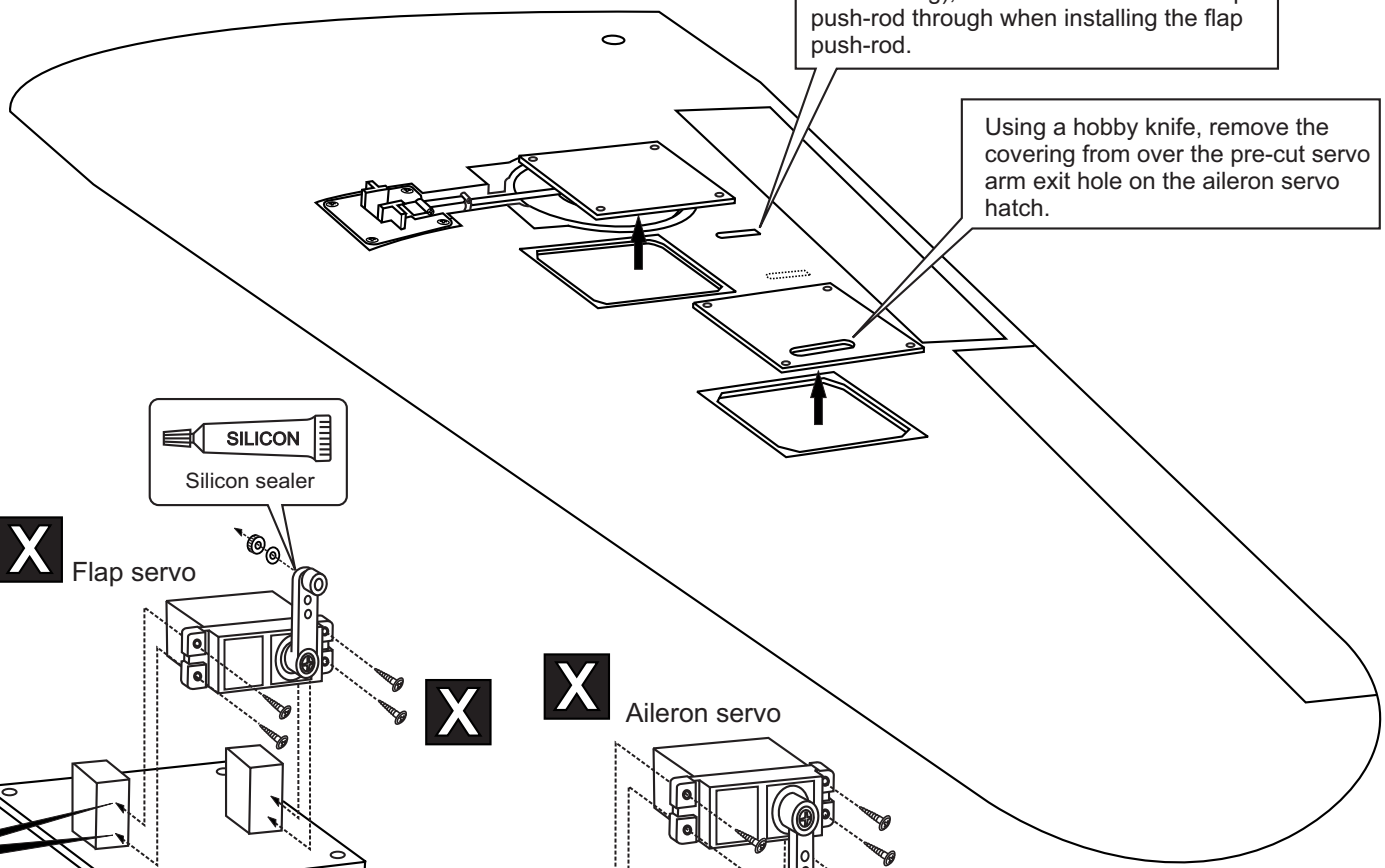
Nicht enthalten. Teile müssen separat gekauft werden.

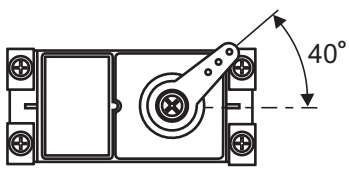
Read through the manual before you begin, so you will have an overall idea of what to do.

CONVERSION TABLE

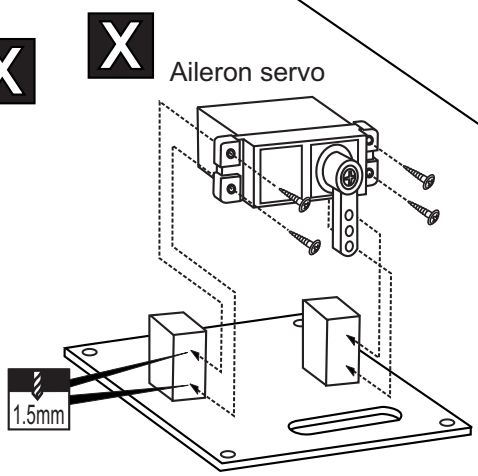
1.0mm = 3/64”	3.0mm = 1/8”	10mm = 13/32”	25mm = 1”
1.5mm = 1/16”	4.0mm = 5/32”	12mm = 15/32”	30mm = 1-3/16”
2.0mm = 5/64”	5.0mm = 13/64”	15mm = 19/32”	45mm = 1-51/64”
2.5mm = 3/32”	6.0mm = 15/64”	20mm = 51/64”	

CURTISS P-40 1-Flap and Aileron servo

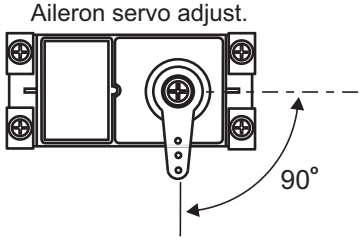




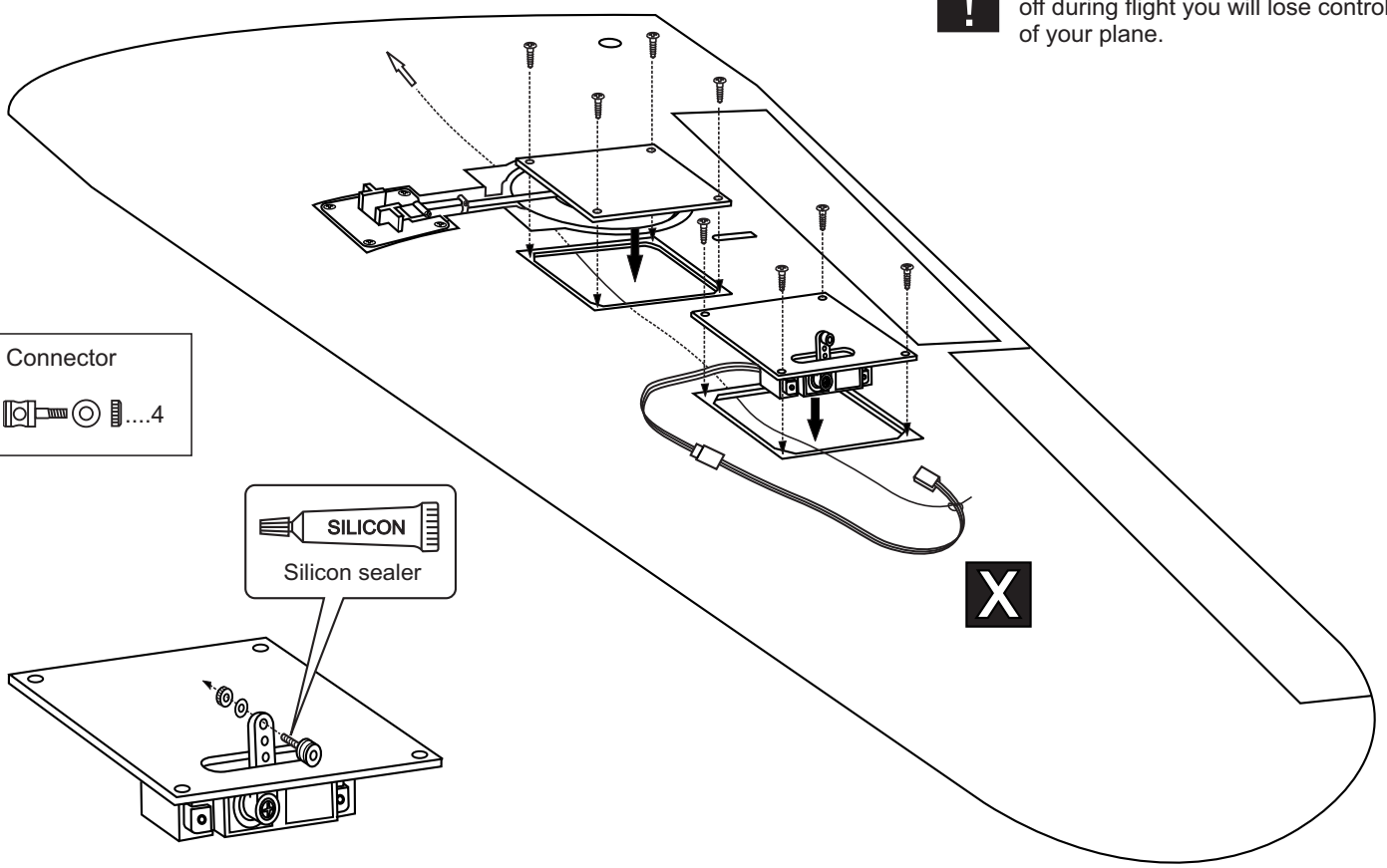
Flap servo adjust.



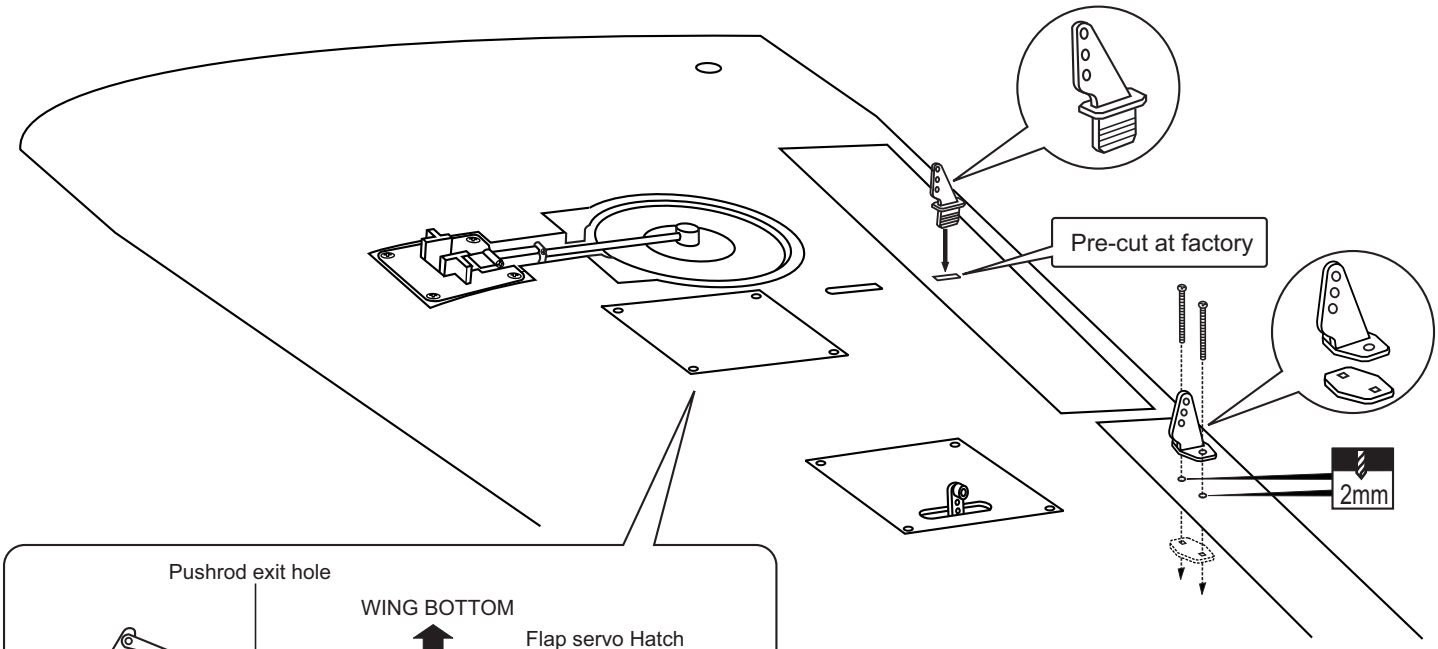
Aileron servo adjust.

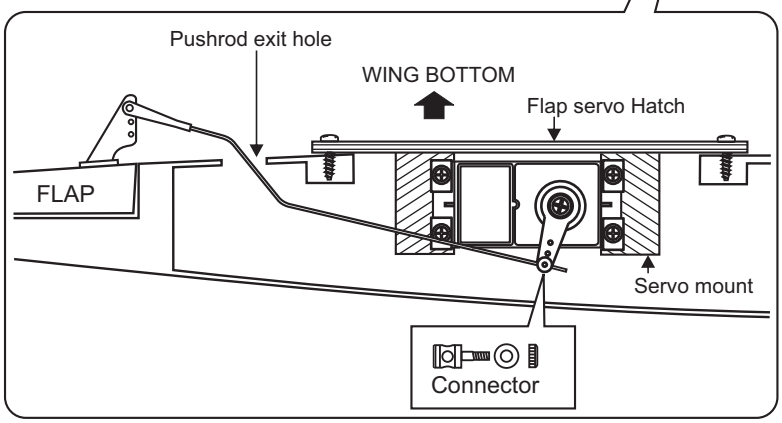


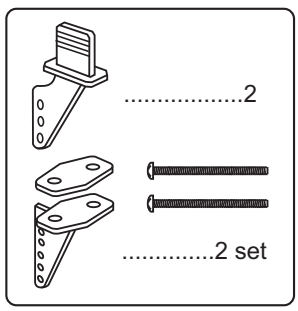
! Set all screws securely. If they come off during flight you will lose control of your plane.

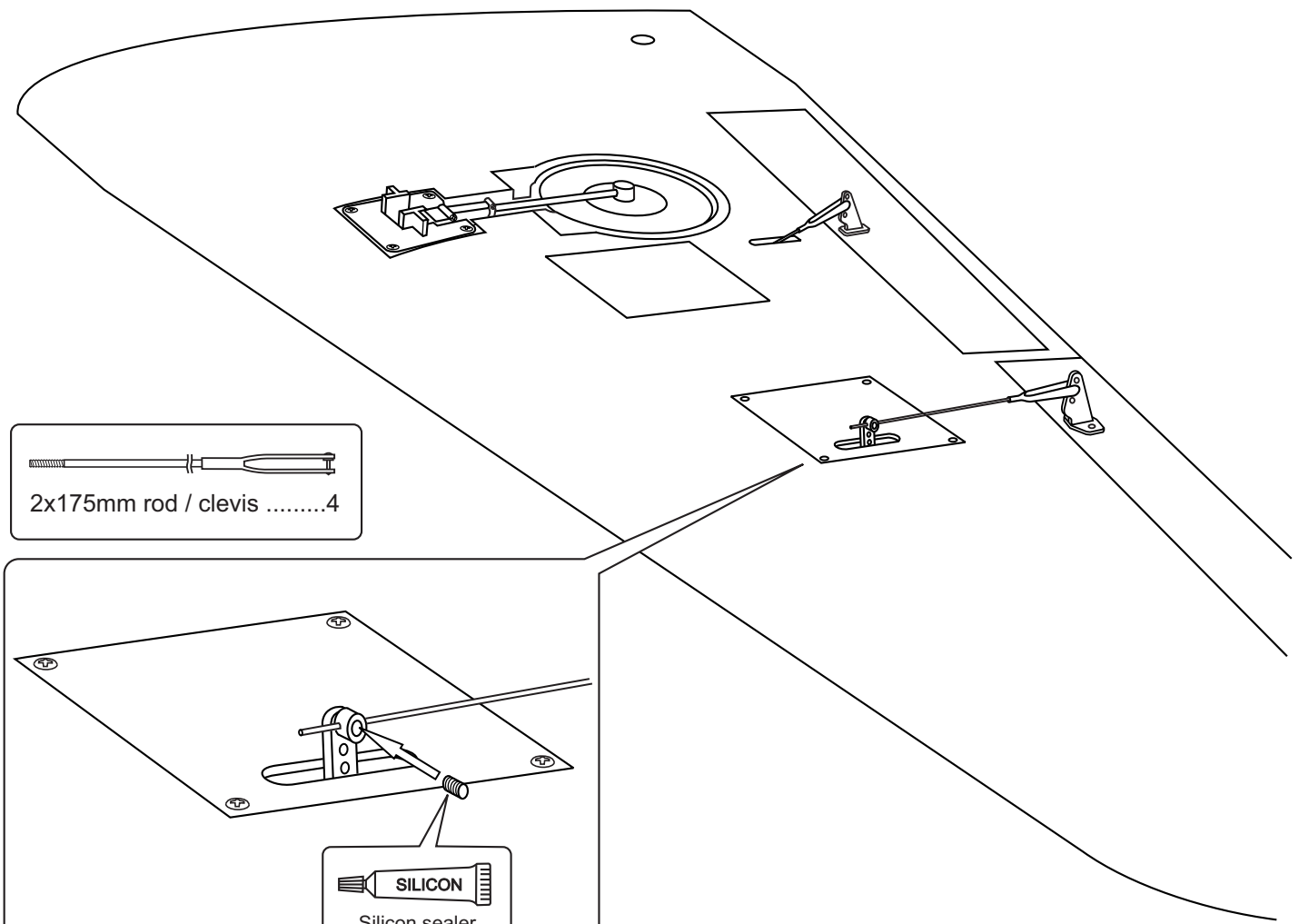


CURTISS P-40 2-Flap and Aileron linkages



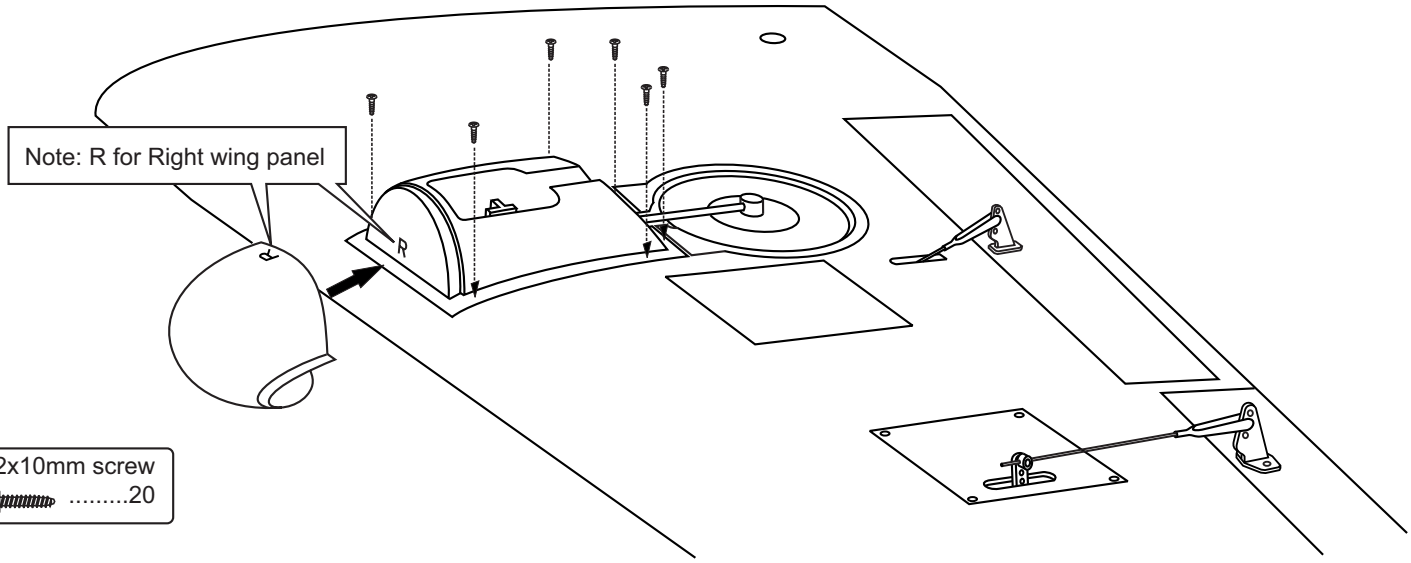




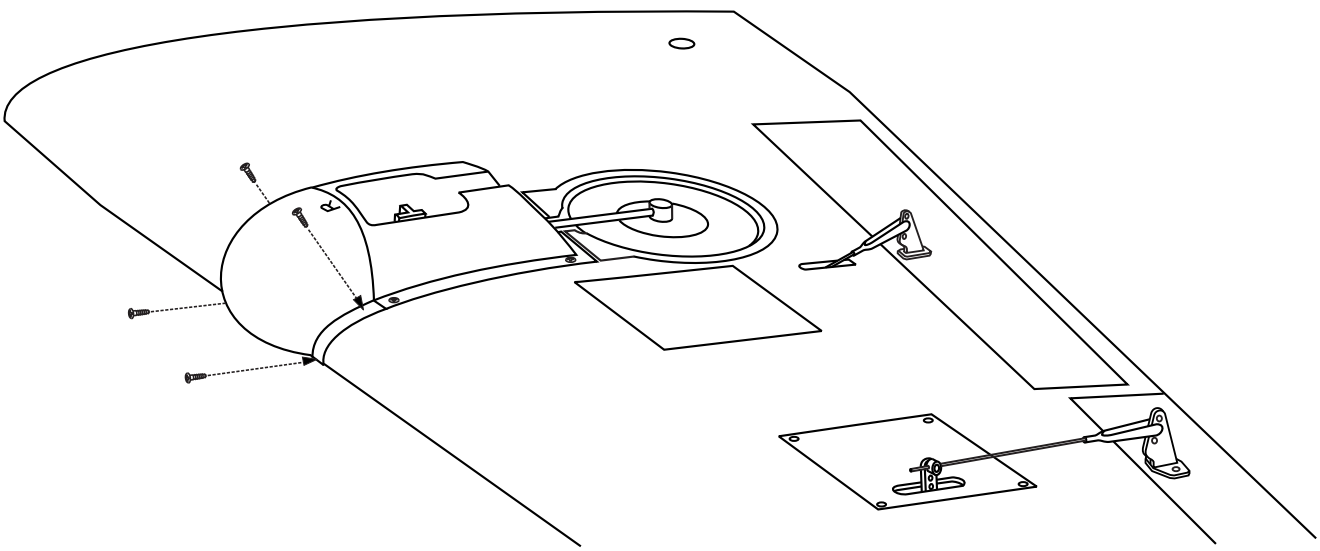


2x175mm rod / clevis 4

CURTISS P-40 3-Plastic shield installation

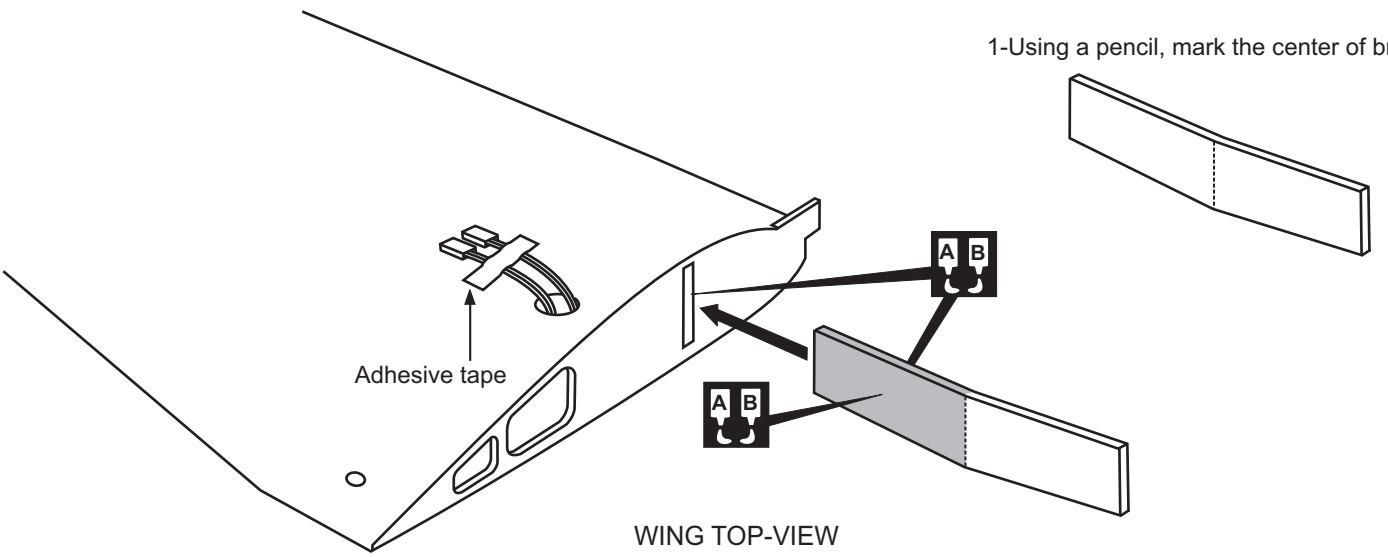


2x10mm screw 20



CURTISS P-40 4-Joining the wing

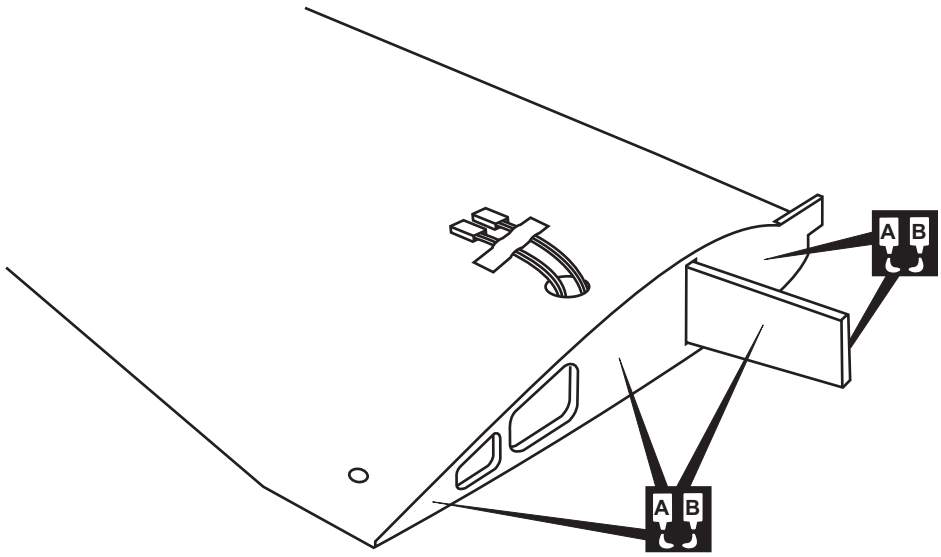
1-Using a pencil, mark the center of brace.

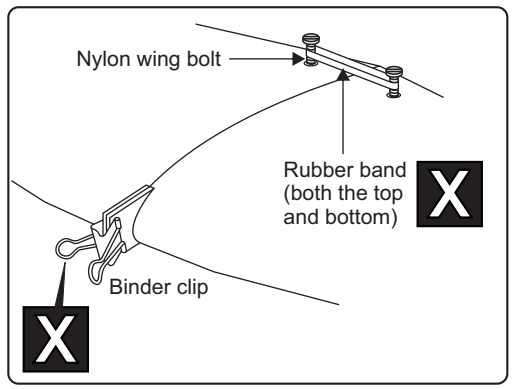


WING TOP-VIEW

2- Trial fit the wing joiner into one of the wing panels. It should insert smoothly up to the center line marked above.
3- Slide the other wing half onto the dihedral brace until the wing panel meet. If the fit is over tight, it may be necessary to lightly sand the dihedral brace.
4- Check for the correct dihedral angle.
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.

CURTISS P-40 5-Joning the wing





6X50mm nylon bolt

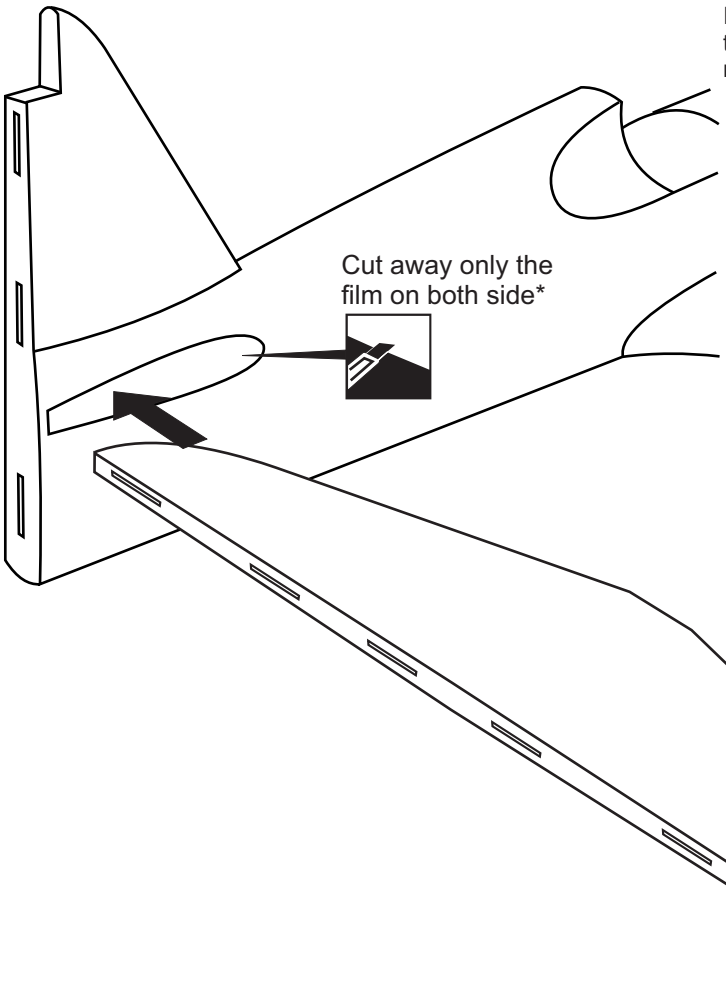
Carefully slide the wing halves together, ensuring that they are accurately aligned.
Firmly press the two halves together, allowing the excess epoxy to run out. Clear off the excess epoxy.

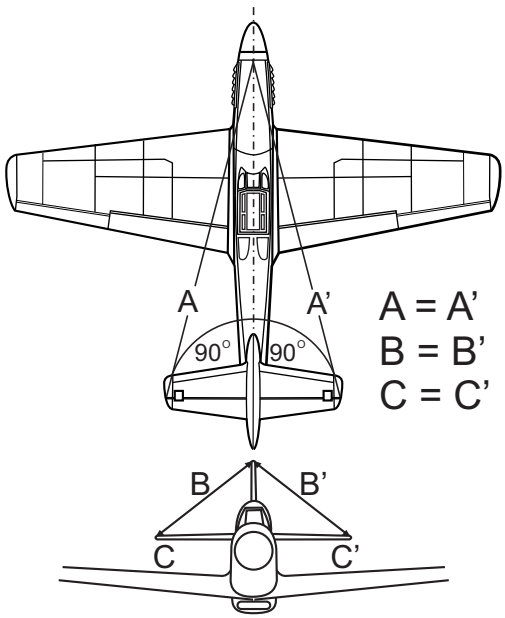
IMPORTANT: Please do not clean off the excess epoxy on the wing with strong solvent or pure alcohol, only use kerosene to keep the colour of your model not fade.

CURTISS P-40 6- Horizontal stabilizer

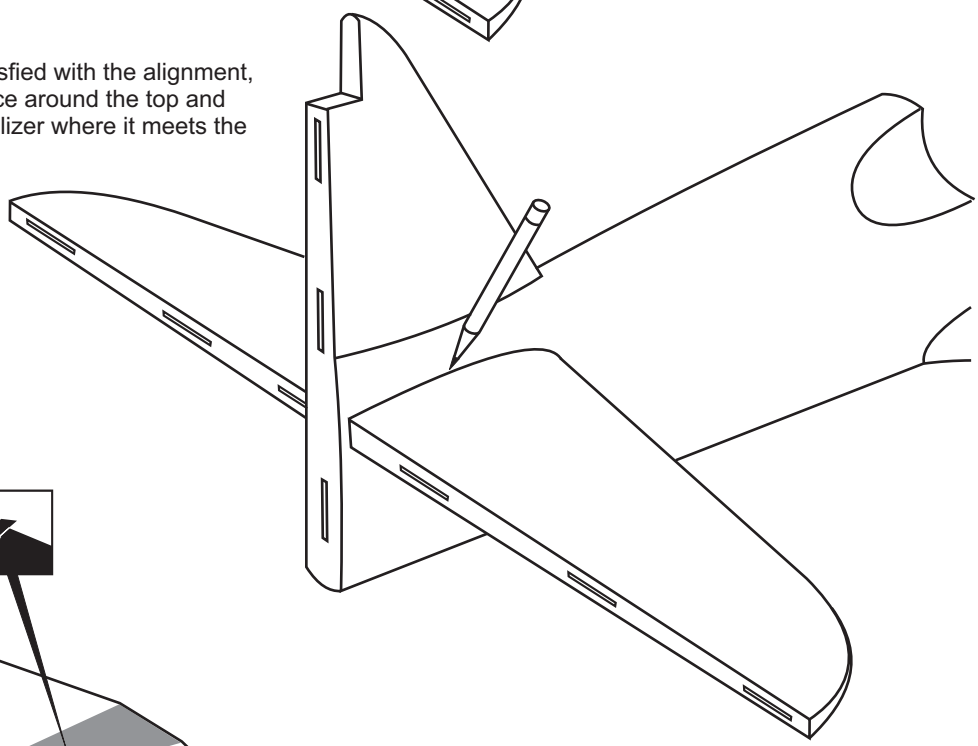
Trial fit the horizontal stabilizer in place. Check the alignment of the horizontal stabilizer.

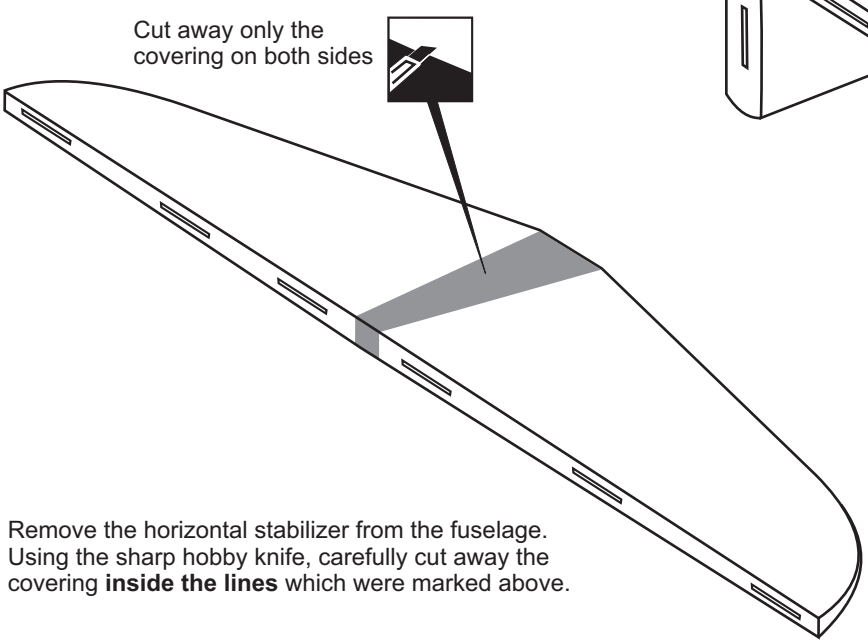
If the parts will join, but with a gaps, sand the stabilizer slot on the fuselage a little at a time until the parts meet exactly with no gaps.





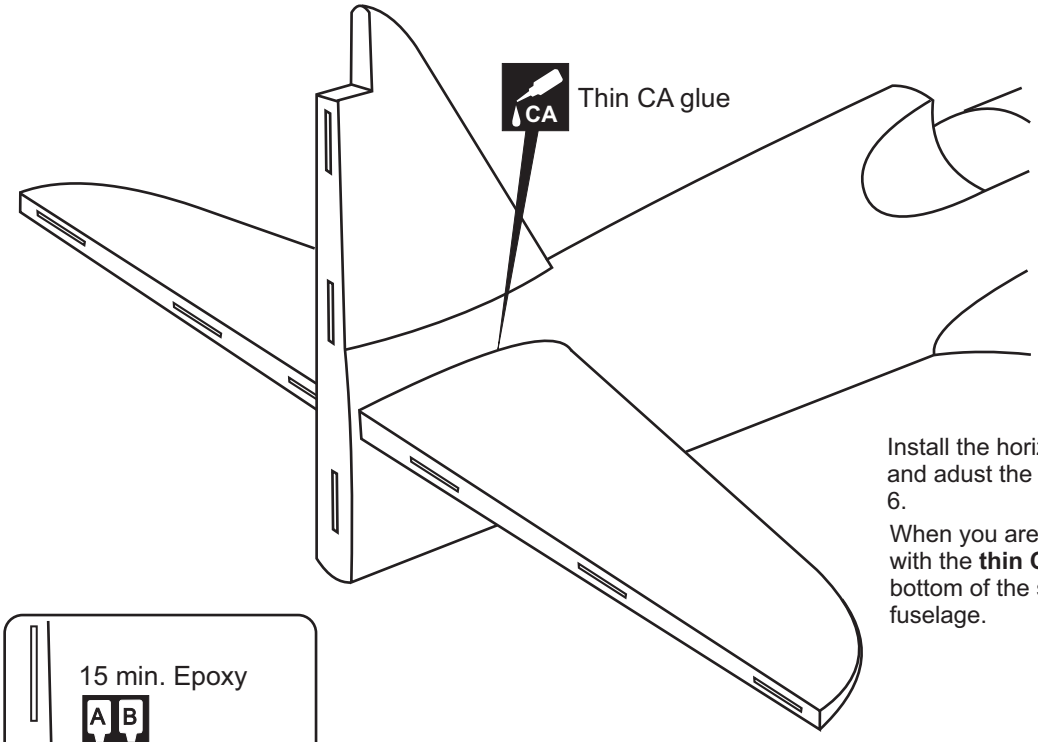
When you are satisfied with the alignment, use a pencil to trace around the top and bottom of the stabilizer where it meets the fuselage.





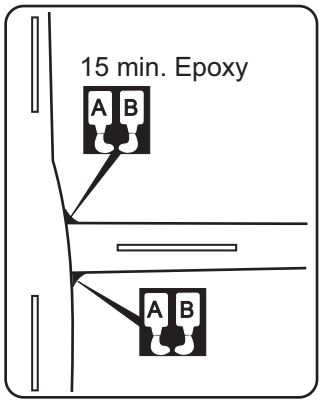
Remove the horizontal stabilizer from the fuselage. Using the sharp hobby knife, carefully cut away the covering **inside the lines** which were marked above.

CURTISS P-40 7- Horizontal stabilizer



Install the horizontal stabilizer into the fuselage and adust the alignment as described in steep 6.

When you are satisfied with the alignment, with the **thin CA** glue around the top and bottom of the stabilizer where it meets the fuselage.



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

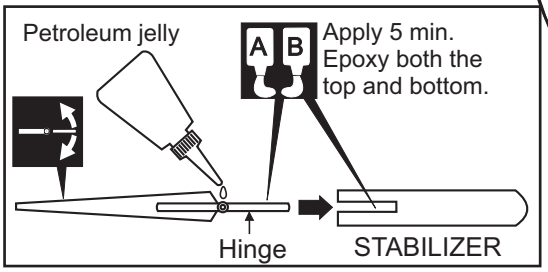
Add a thin layer of 15 minutes Epoxy glue along the horizontal stabilizer to contact the fuselage to make sure there are no gaps.

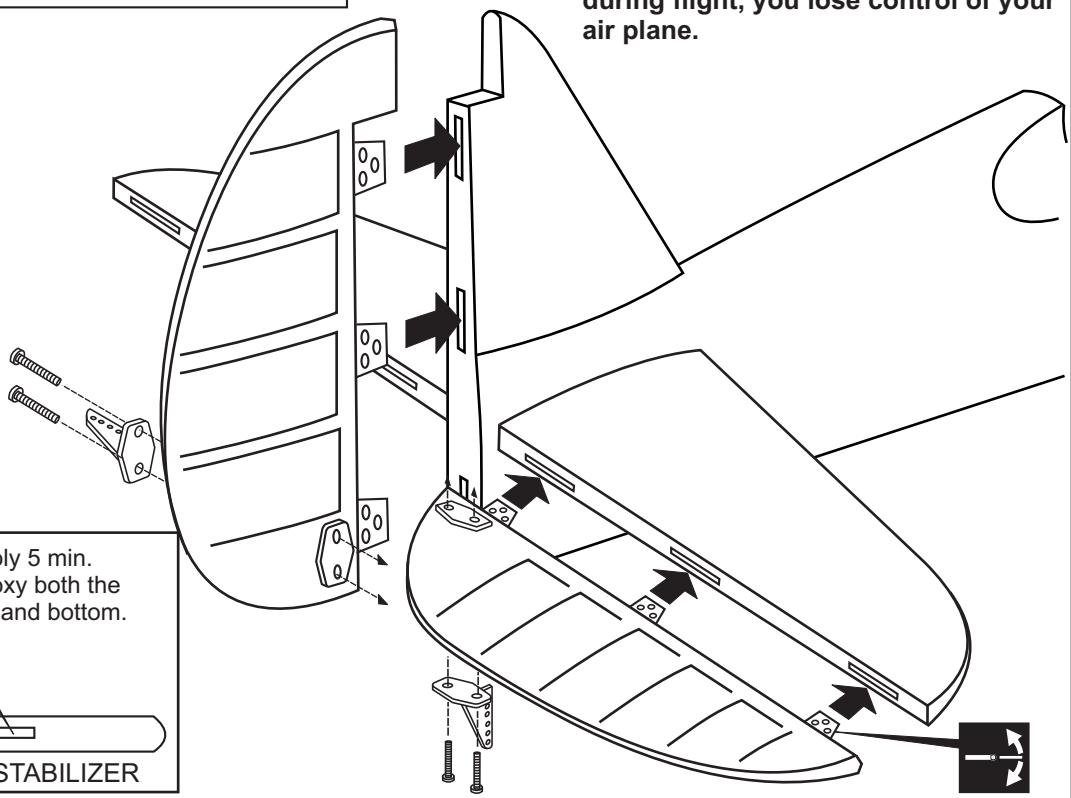
CURTISS P-40 8- Elevator & Rudder

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

Plastic control horn 3

2x20mm screw 6





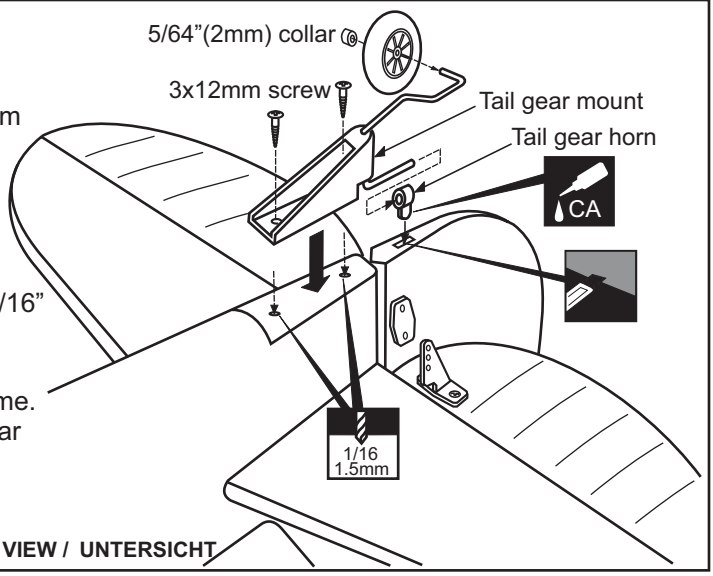
Apply a thin layer of machine oil or petroleum jelly to only the pivot point of the hinges on the elevator, then push the elevator and its hinges into the hinge slots in the trailing edge of the horizontal stabilizer. There should be a minimal hinge gap.

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.

CURTISS P-40 9- Tail gear

1/8x15/32" (3x12mm) screw 2
Tail gear horn 1
5/64"(2mm) collar 1

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.

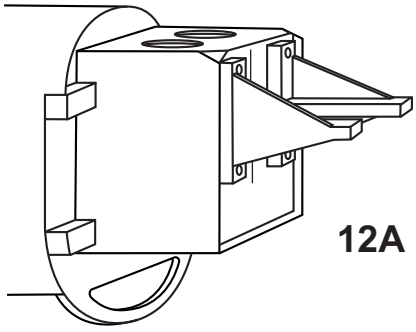


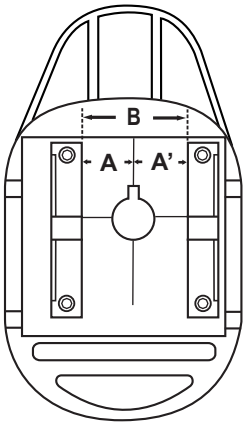
FUSELAGE - BOTTOM VIEW / UNTERSICHT

CURTISS P-40 10- Engine

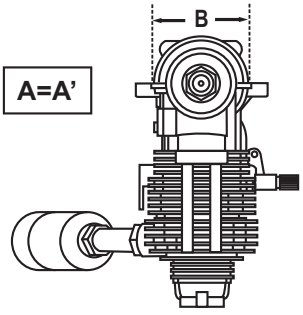
Engine thrust on balk head is already adjust at factory

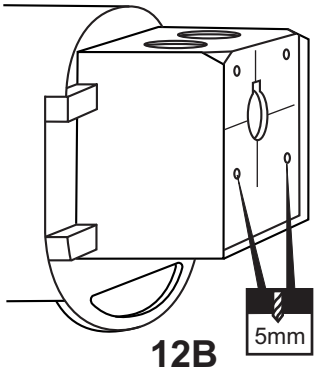
! Align the mark on both mounts with the marks on the fire-wall



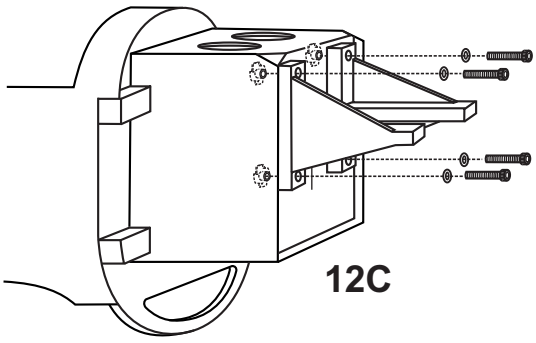


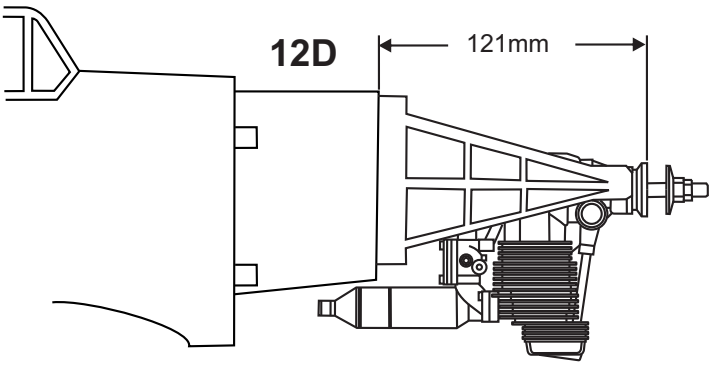
FRONT VIEW



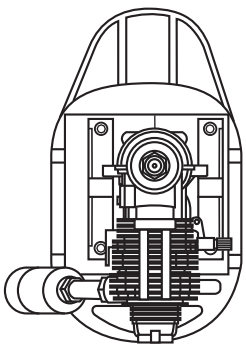


- Apply the engine mounts to the fire-wall, align the mark on both mounts with the marks on the fire-wall (12A).
- Using a pencil or felt tipped pen, mark the fire wall where the four holes are to be drilled
- Remove the engine mount and drill a 13/64"(5mm) hole through the fire-wall at each of the four marks marked (12B).
- Full the magnetic top hatch out of the fuselage
- Attach the four blind-nut to the back of fire-wall (12C).
- Reposition the engine mounts on to the fire-wall and secure them with four 4x25mm screw (12C).
- Reposition the engine on to the engine mounts so the distance from the prop hub to the fire wall is 121mm (12D).
- 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 1/8"(3mm) holes through the beam at each of the four marks made above.





SIDE VIEW



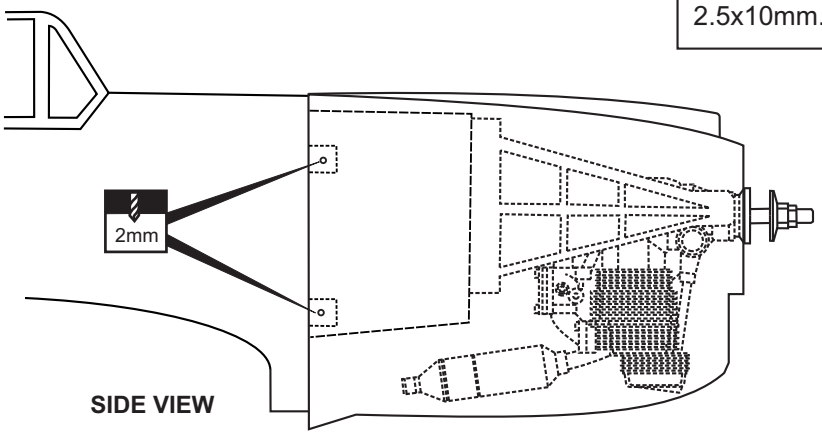
FRONT VIEW

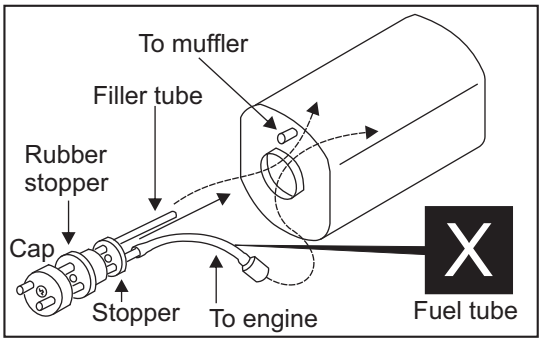
- Reposition the engine on the engine mount beams, aligning it with the holes. Secure the engine to the engine mount using four 1/8x51/64"(3x25mm) screws.

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

CURTISS P-40 11- Fuel tank & cowl

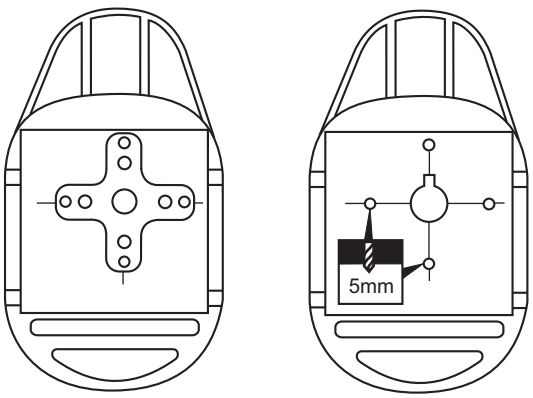
2.5x10mm.....4

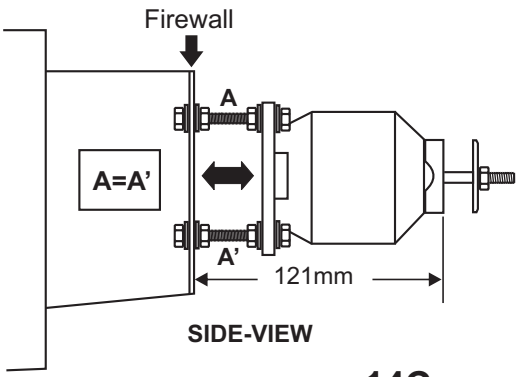




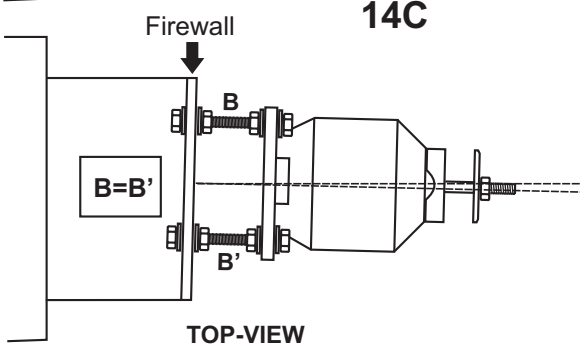
After confirming the direction, insert this assembly, clunk end first, into the fuel tank and tighten and screw the fuel tank cap on firmly.

CURTISS P-40 12- Electric motor





14C



-Using a aluminum motor mounting plate as a template, mark the fire-wall where the four holes are to be drilled (14A).

-Remove the aluminum motor mounting plate and drill a 13/64"(5mm) hole through the fire-wall at each of the four marks marked (14B).

-Push the four 5x70mm bolts through the fire-wall.

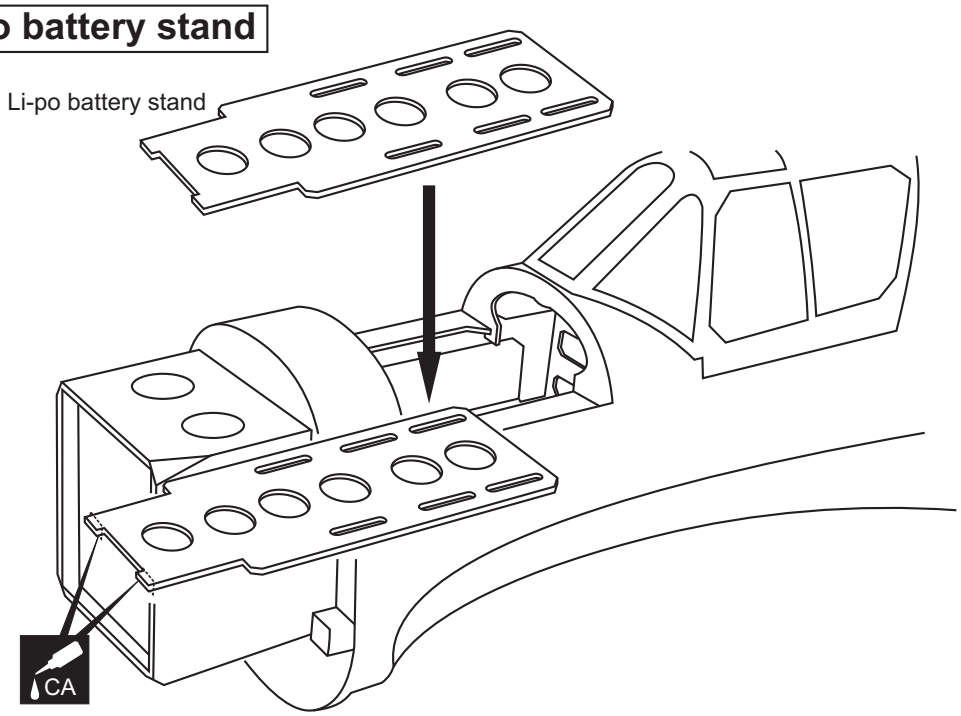
-Reposition the aluminum motor mounting plate and secure it in place with eight 5mm nuts and washers (14C).
Note: A=A'(side-view) and B=B' (top-view).

! Engine thrust on balk head is already adjust at factory.

5x70mm.....4
5mm washer...16
5mm nut.....12
3mm screw/nut...4

CURTISS P-40 13- Lipo battery stand

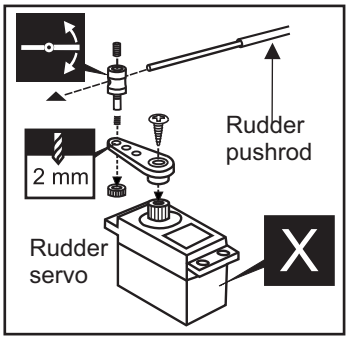
In case of Electric motor using

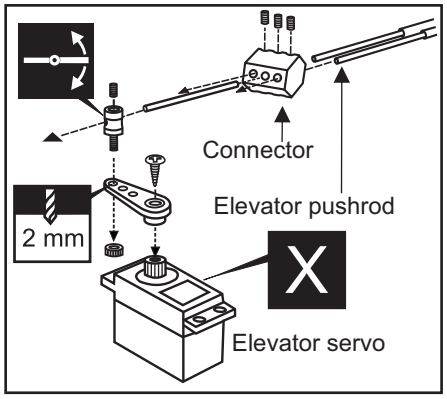


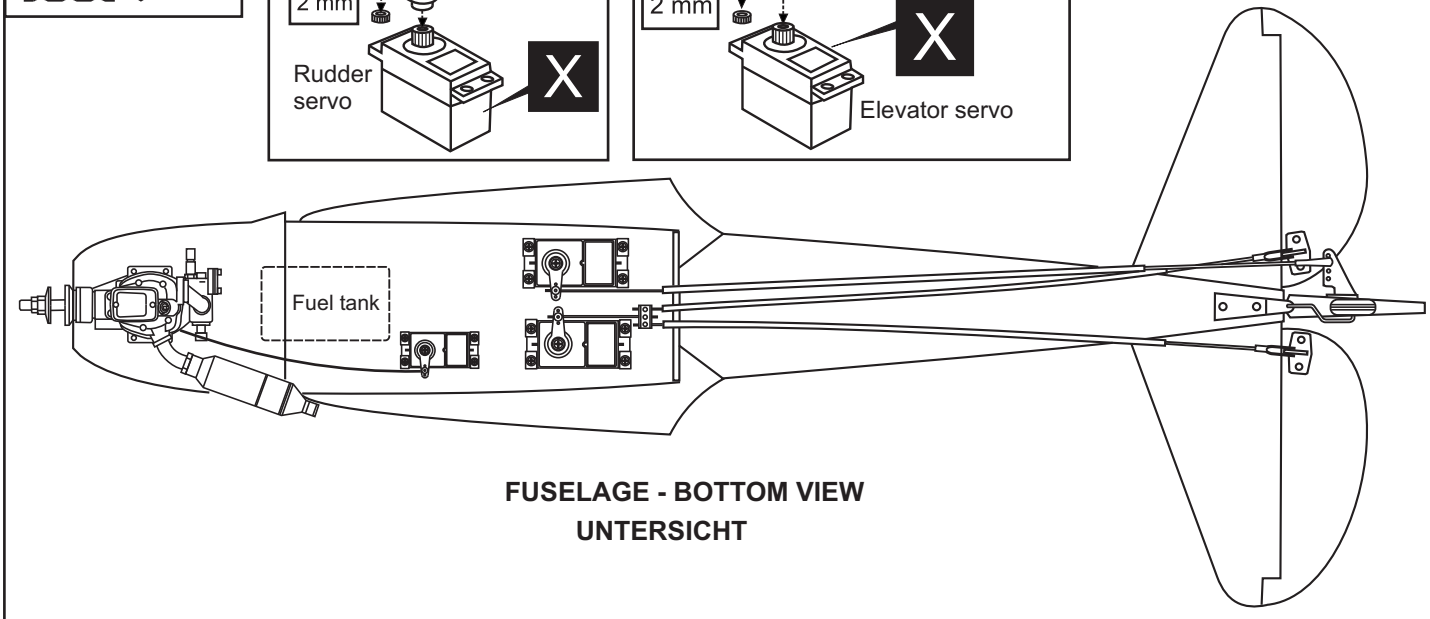
CURTISS P-40 14- Linkages

Connector 3

Connector 1



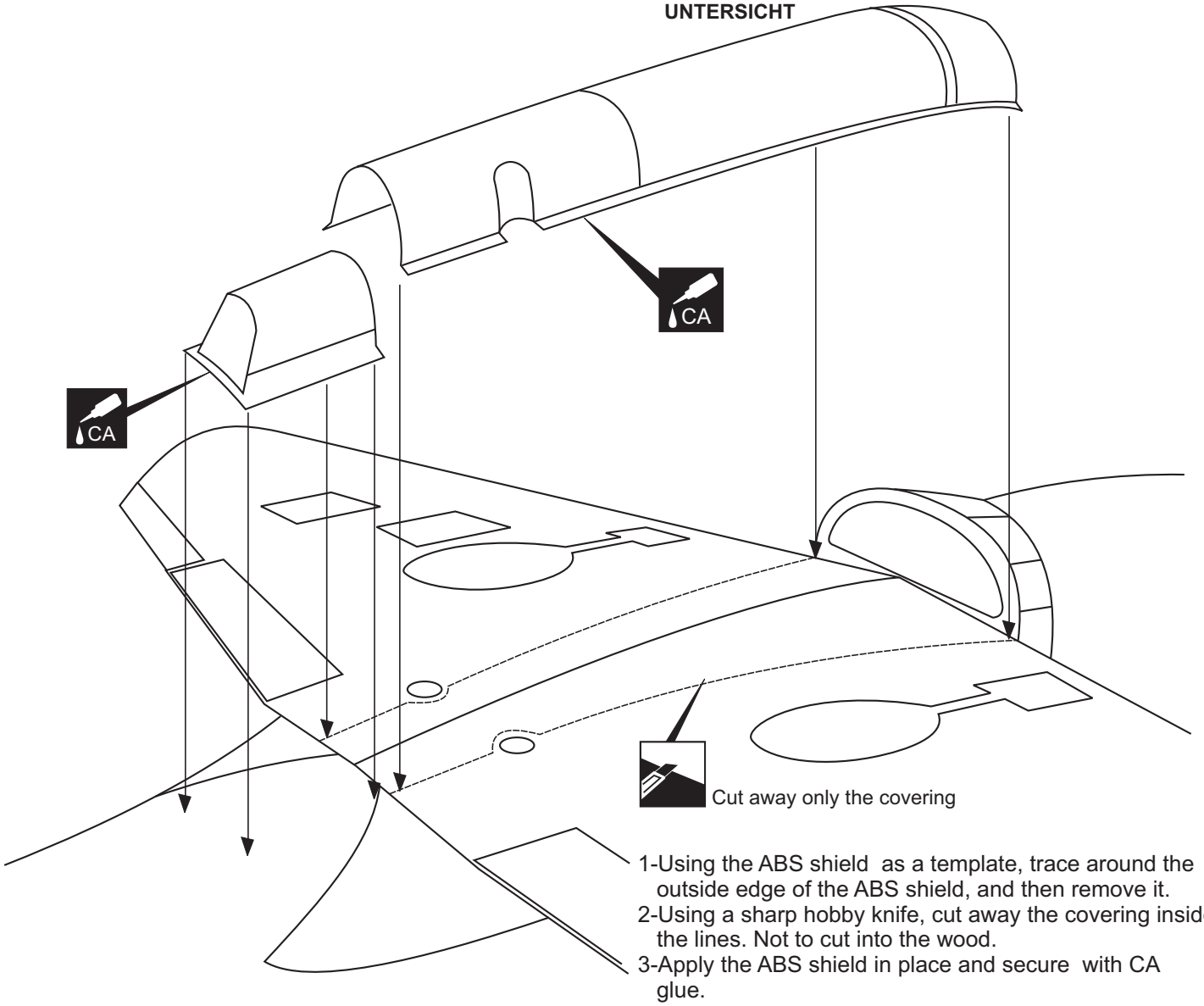




FUSELAGE - BOTTOM VIEW
UNTERSICHT

CURTISS P-40 15- ABS Shield

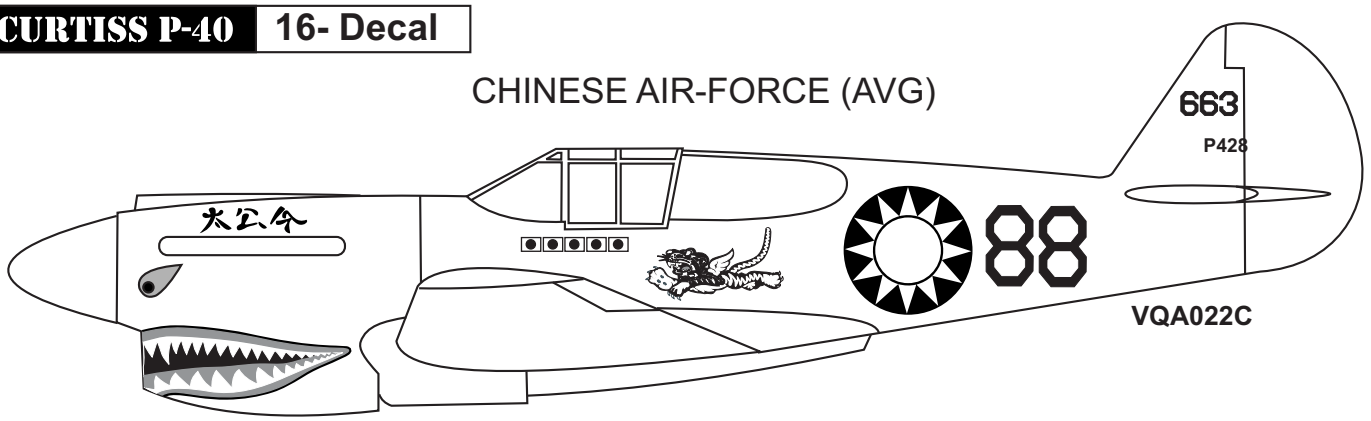
FUSELAGE - BOTTOM VIEW
UNTERSICHT



1-Using the ABS shield as a template, trace around the outside edge of the ABS shield, and then remove it.
2-Using a sharp hobby knife, cut away the covering inside the lines. Not to cut into the wood.
3-Apply the ABS shield in place and secure with CA glue.

CURTISS P-40 16- Decal

CHINESE AIR-FORCE (AVG)

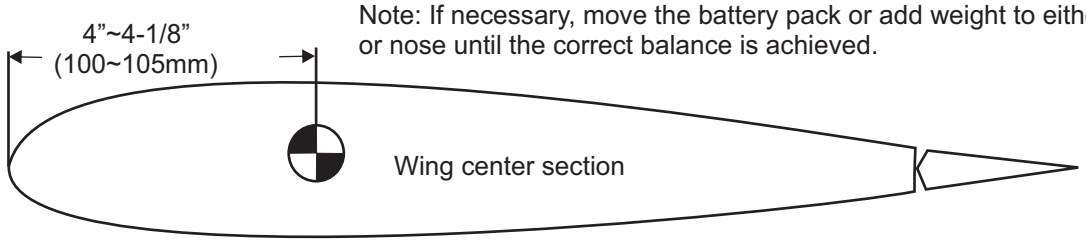


Note: Cut out the stickers and apply them in the proper area. Do not peel the backing paper off all at once.
Peel off one corner of the backing and cut off with scissors. Arrange sticker on model and when satisfied adhere the corner without backing.
Carefully peel back the rest of the backing while at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

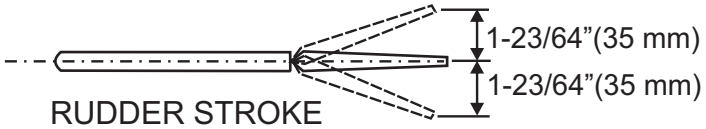
CURTISS P-40 17- Balance

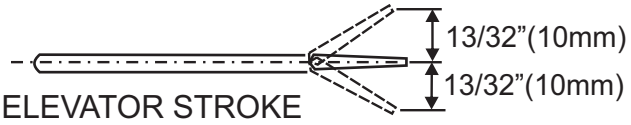
DO NOT try to fly an out-of-balance model !

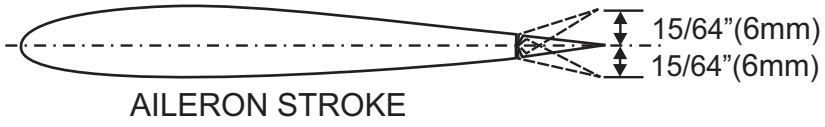
Note: If necessary, move the battery pack or add weight to either the tail or nose until the correct balance is achieved.

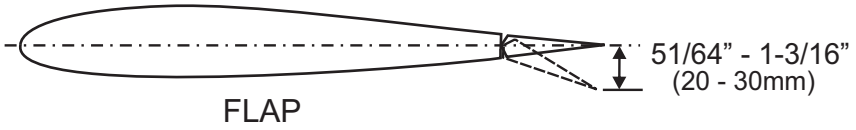


CURTISS P-40 18- Control surface









Adjust the travel of the control surfaces to achieve the values stated in the diagrams.
These value will be suitable for average flight requirements. Adjust the values to suit your particular needs.

IMPORTANT: 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 !