RADIO CONTROL MODEL

VQA170 B-Y VQA170 N-B





VOUGHT F4U CORSAIR



SPECIFICATION

• Wingspan: 1810mm

• Fuselage length: 1380mm

• Weight: 6300-6700gr

• Nitro engine required:

120 two stroke.

120-140 four stroke.

• Gas engine required: 20-26cc two stroke.

21-30 four stroke.

Radial engine:
 Saito FG-33 R3
 Saito FA-200 R3

FEATURES

Fully covered in weathered detail.

All balsa and lite-ply construction.

Fiber glass cowling.

Scale Navy pilot.

3D printed rocket.

Control surface pre-hingesand

installed.

All mean gear door operation.



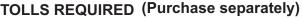


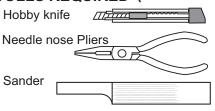




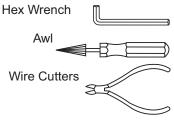


Epoxy Glue (5 - 30 minute type)





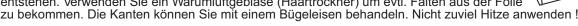
Phillip screw driver Scissors



Masking tape - Straight Edged Ruler - Pen or pencil - 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





ΑВ

Drill holes using the stated size of drill

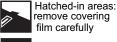
(in this case 1.5 mm Ø)

Use epoxy glue

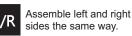
Take particular care here



Apply cyano glue



remove covering film carefully





Check during assembly that these parts move freely, without binding

ow seting



Not included. These parts must be purchased separately

CONVERSION TABLE

1.0mm = 3/64" 1.5mm = 1/16" 3.0mm = 1/8" 4.0mm = 5/32" 2.0mm = 5/64" 5.0mm = 13/64" 2.5mm = 3/32" 6.0mm = 15/64"

10mm = 13/32" 12mm = 15/32" 15mm = 19/32" 20mm = 51/64"

25mm = 1"30mm = 1-3/16" 45mm = 1-51/64"

This model construction kit is not a toy and is not suitable for children under the age of 14. Incorrect use of this material could cause material damage ou personal injury. You are fully responsible for your actions when you use this model.

Fly at a safe distance from occupied zones. Be sure that no one else is using the same frequency as you.

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.

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

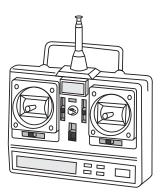


The painted and plastic parts used in this kit are fueel roof. However, they are nottolerant of many harsh chemicals including the following: paint thinner, CA glue accelerator, CA glue debonder and acetone. Do not let these chemicals come in contact with the colors on the covering and the plastic parts.

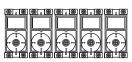


Detail such as pilot's seat, rockets, instrument panels...are printed from a 3D printer with an environmentally friendly plastic (PLA) made from cornstarch, it will the decompose after about 3 years from the date of produced.

REQUIRED FOR OPERATION (Purchase separately)



Minimum 9 channels radio with 12 servos.



5 standard servos (Hitec HS-625MG)

- Aileron: 2 - Elevator: 2 - Rudder: 1



7 mini servos (HS-85MG / Emax ES3054)

- Flap: 4 - Gear door: 2 - Throttle: 1



Extension cord for aileron servos:

Extension cord for retract servos:

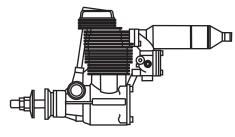
Extension cord for Rx battery pack:

Extension cord for gear door servo:

Extension cord for flap (outer wing) servos:

Extension cord for flap (center wing) servos: 40cm(x4)

Extension cord "Y" for aileron servos:x1 Extension cord "Y" for retract gear door servos:x1 Extension cord "Y" for Flap (outer wing) servos:x1 Extension cord "Y" for Flap (center wing) servos:x1



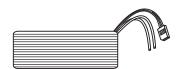
4stroke engine: 120-140

Radial engine: Saito FG-33R3 / FA-200R3



Brushless motor: BOOST 100

ESC:80A



50cm(x4)

40cm(x4)

40cm(x2)

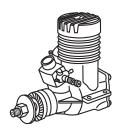
30cm(x1)

40cm(x2)

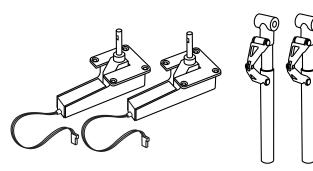
6S - 6000mAh LiPo battery

17-6 / 19-6 or depend of the

engine or electric motor.



Nitro 2 stroke engine: 120 / 20cc Gas engine 2 stroke engine: 20cc-26cc

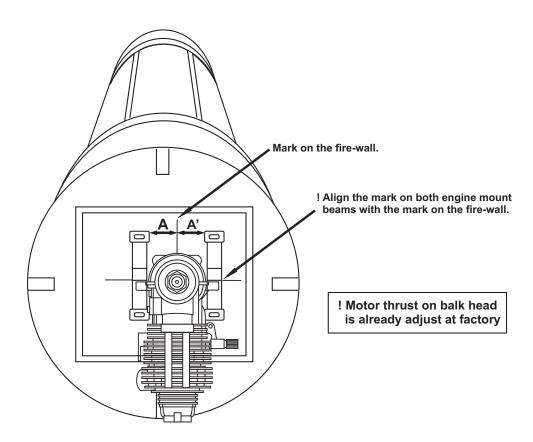


Electric retract (Rotary 90 dregee) with strut.

VQARE33



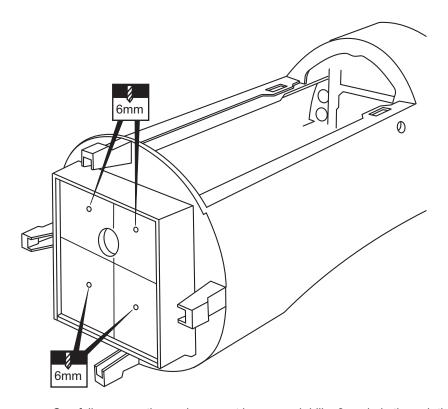
Prop. nut (depend of the engine)



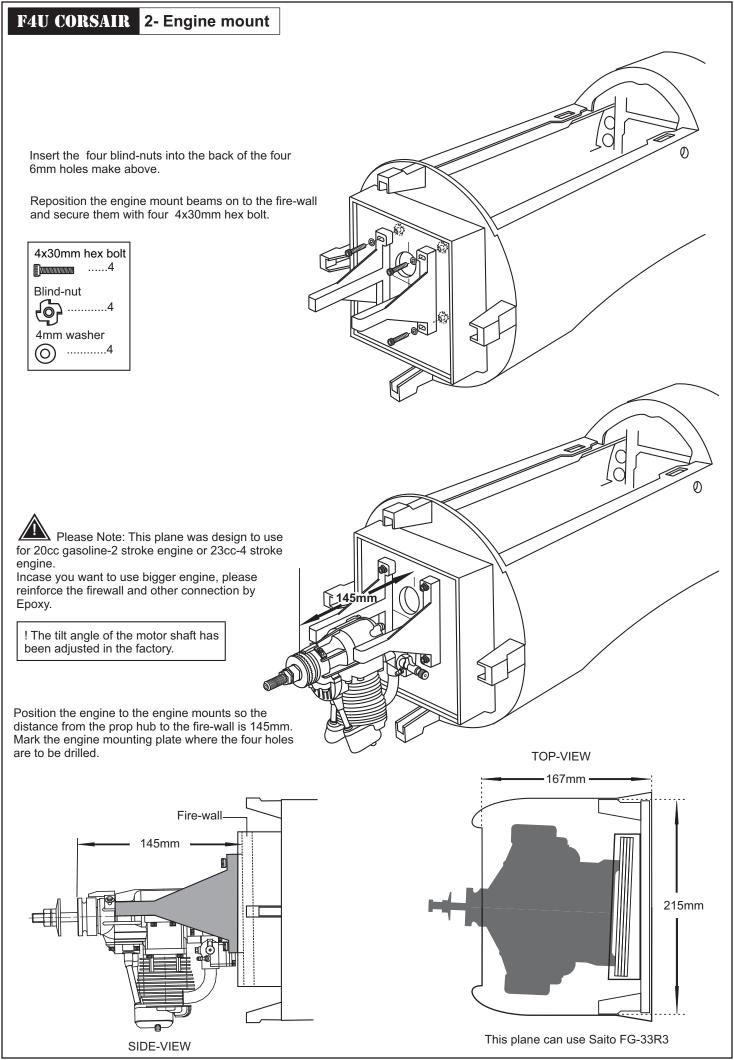
Attach the engine mount beams onto the fire-wall so the distance between of two engine mount beams is A=A' as show.

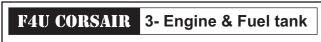
Secure the engine mount beams onto the fire-wall with <u>litter CA glue</u>.

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



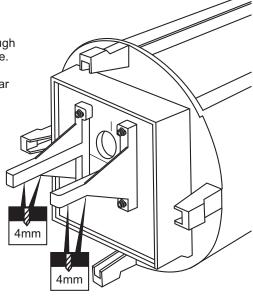
Carefully remove the engine mount beams and drill a 6mm hole through the fire-wall at each of the four marks made above.

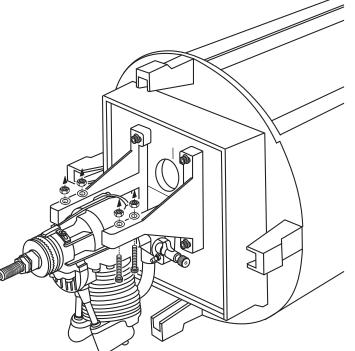




Remove the engine and drill a 4mm holes through the beam at each of the four marks made above.

Marking sure that you drill the hole perpendicular to the beam of the engine mount.

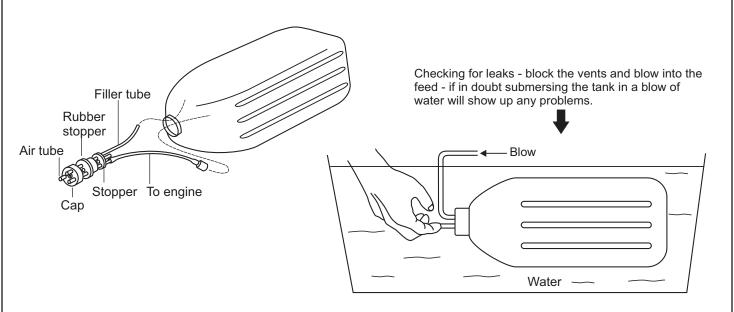


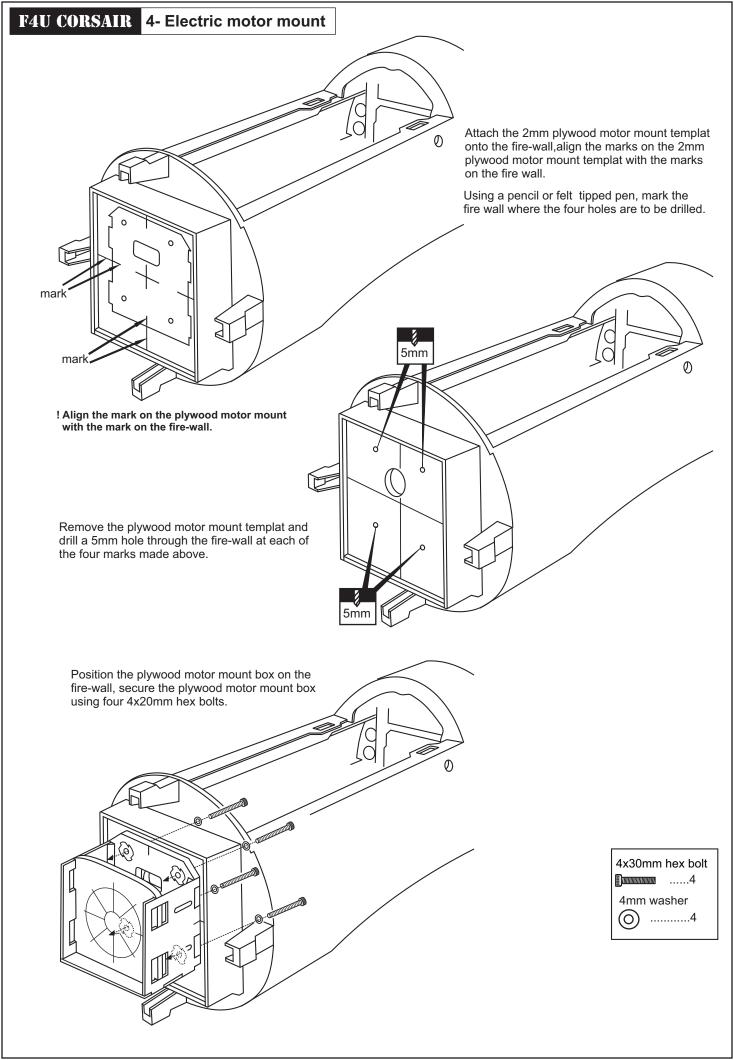


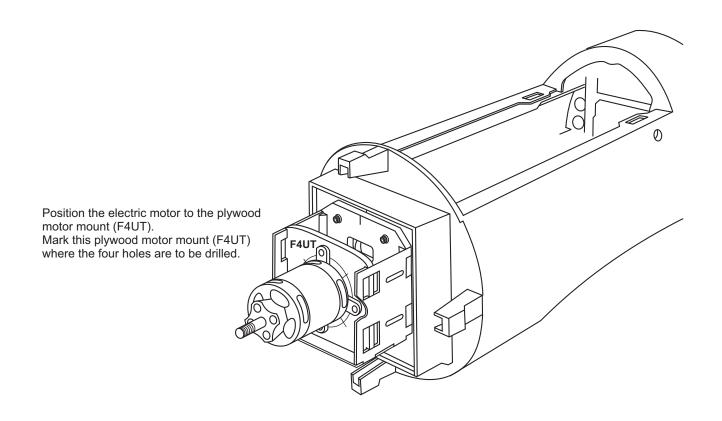
Reposition the engine on the engine mount beams, aligning it with the holes. Secure the engine to the engine mount using four 4x30mm screws.

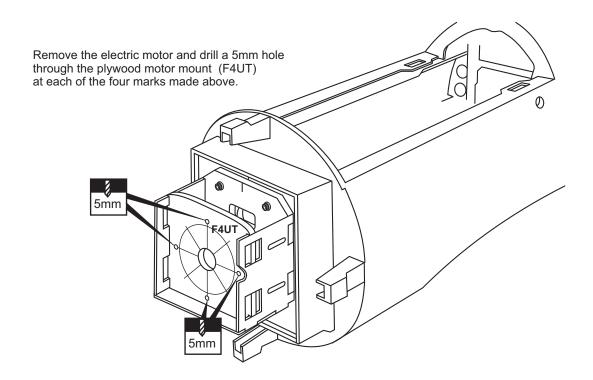
Note: Apply Silicon sealer to each of the 4x30mm screw.

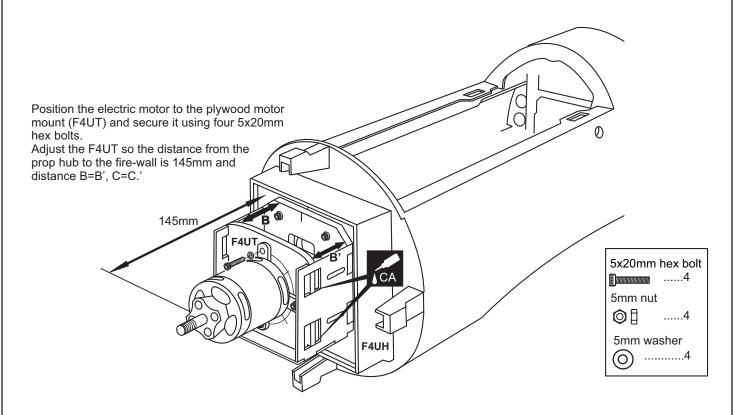
4x30mm screw
.....4
Washer
.....4





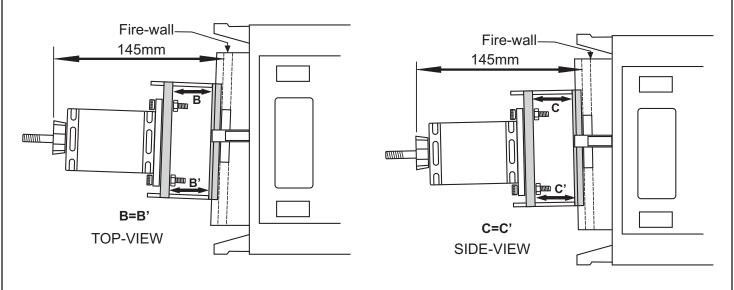


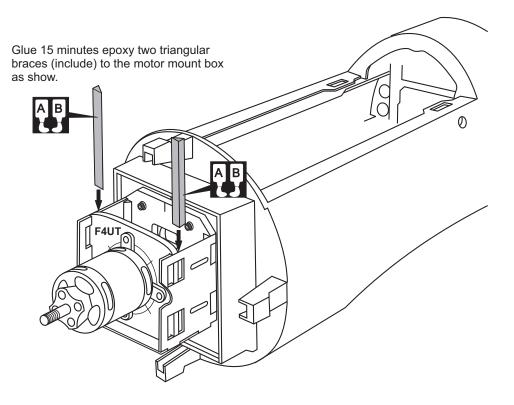


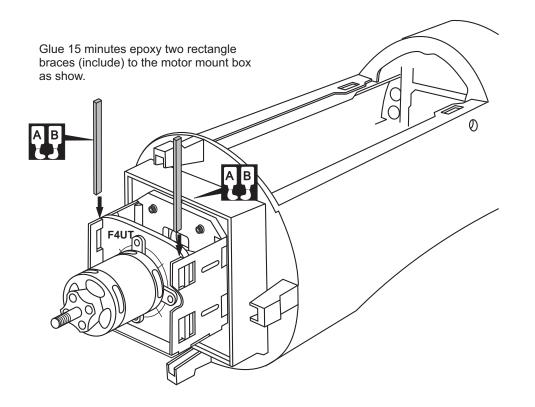


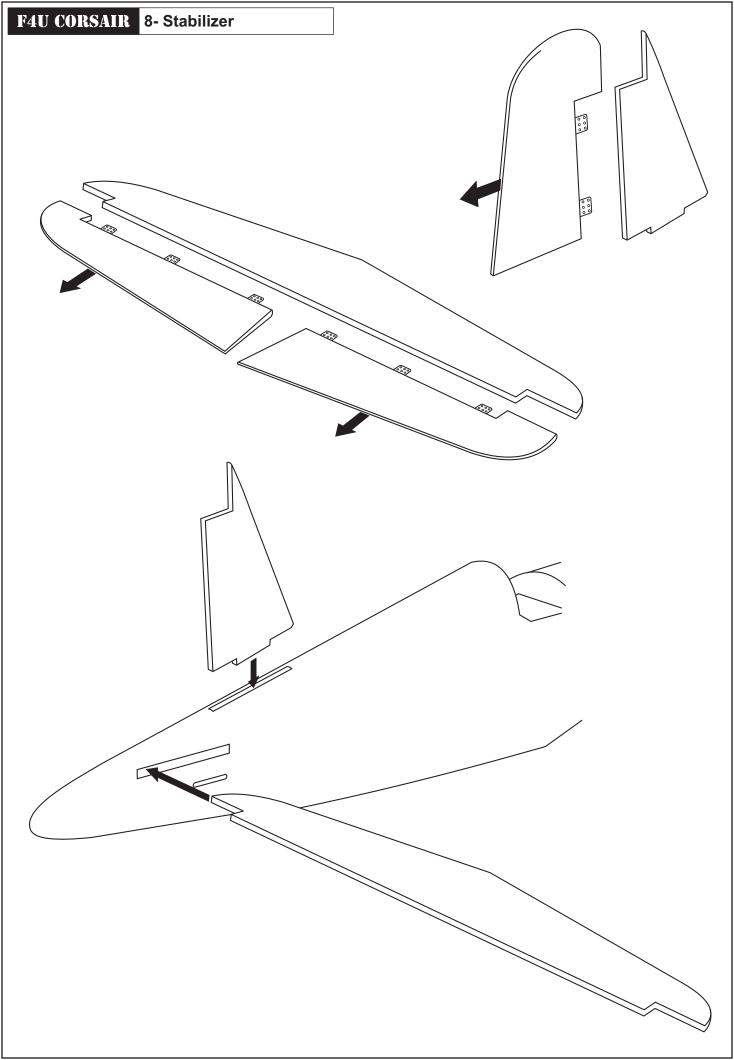
When everything is correct, apply the thin CA glue on the plywood motor mount (F4UT) where it meets the two side panels (F4UH).

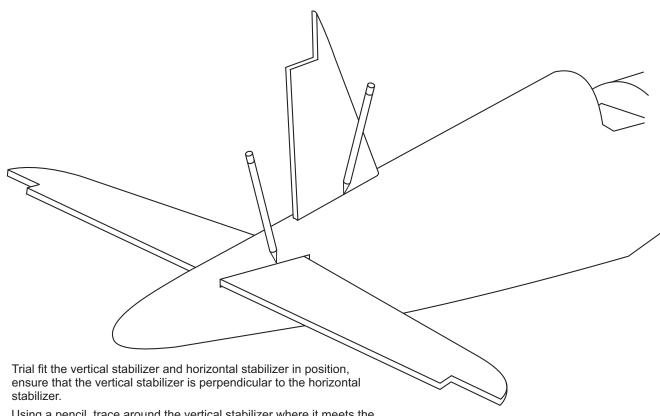
Securely glue together. If coming off during fly, you lose control of your air plane.









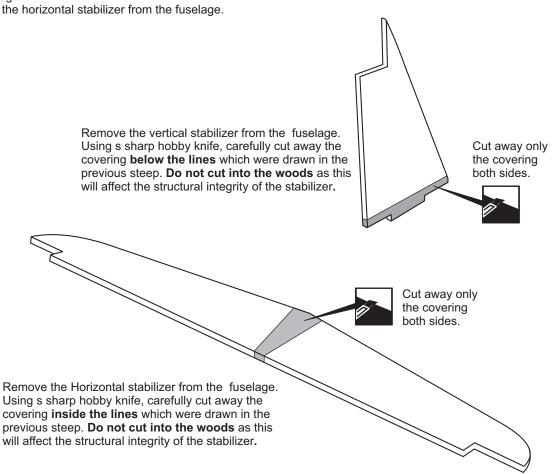


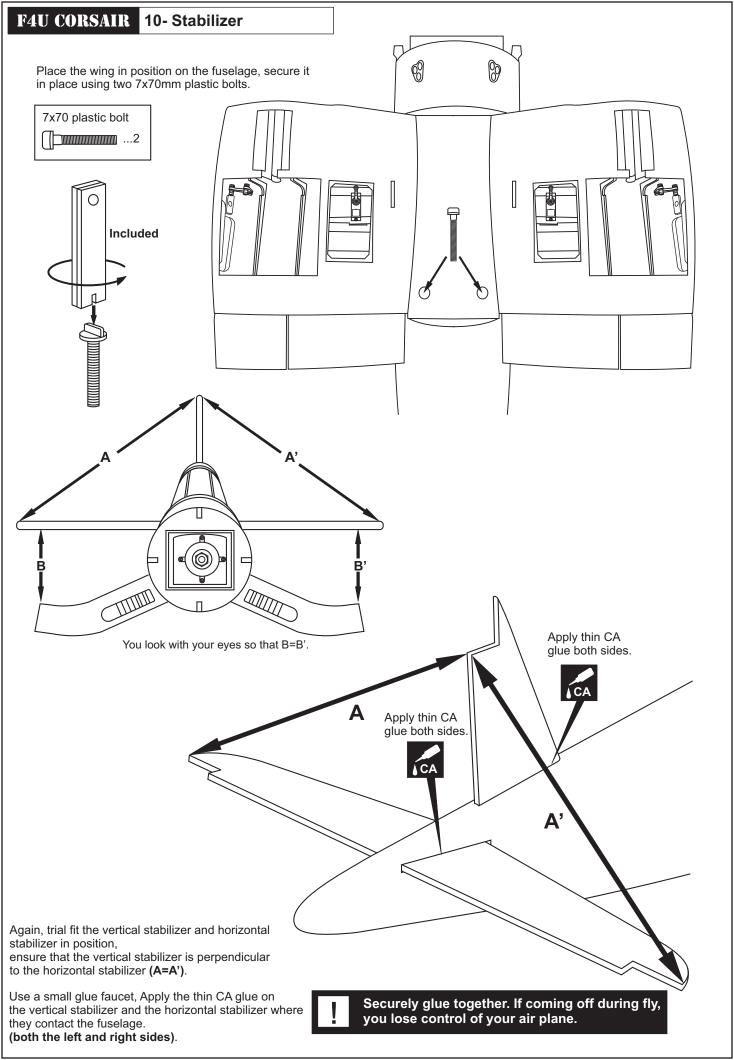
Using a pencil, trace around the vertical stabilizer where it meets the fuselage.

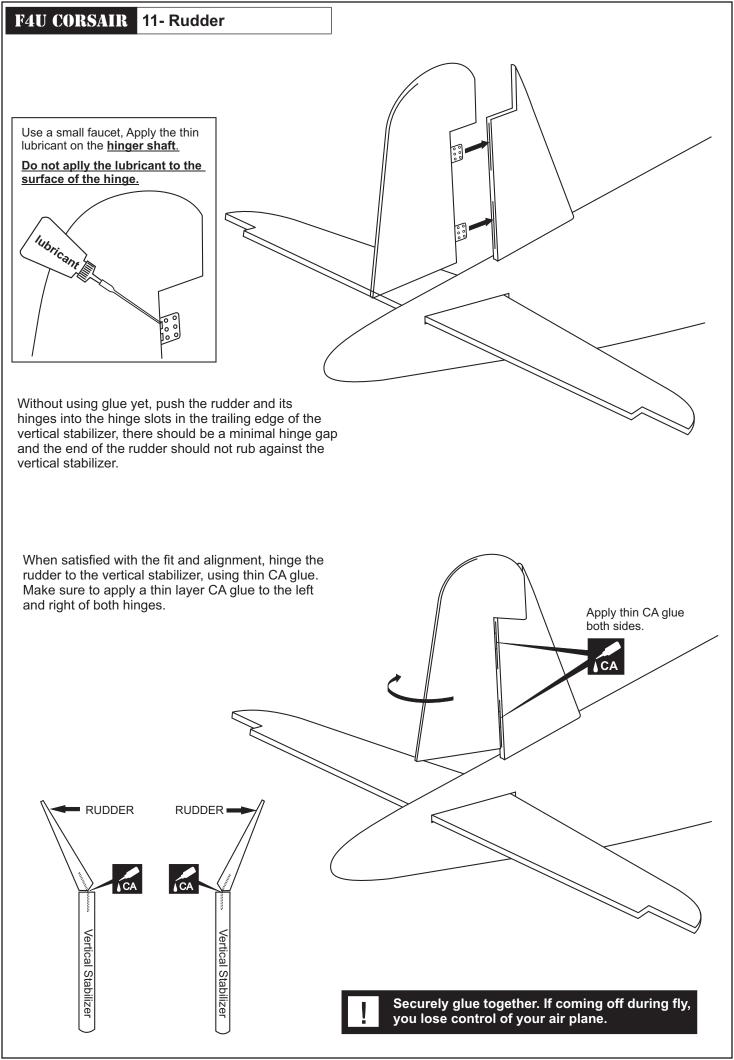
Remove the vertical stabilizer from the fuselage.

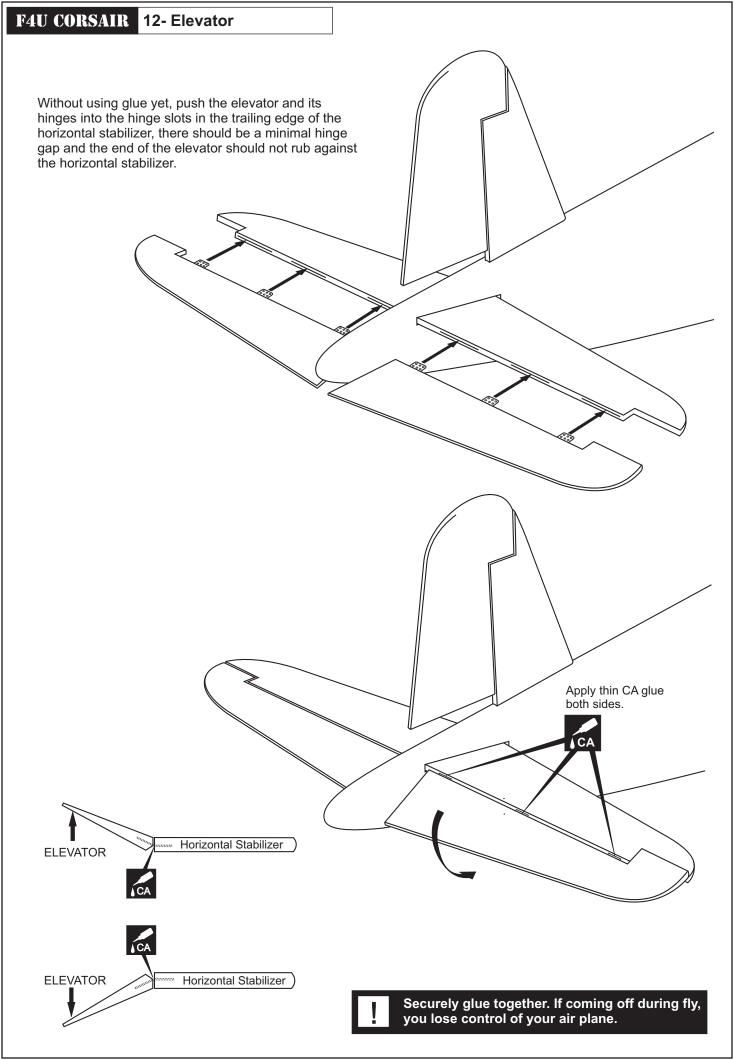
Using a pencil, trace around the horizontal stabilizer where it meets the fuselage.

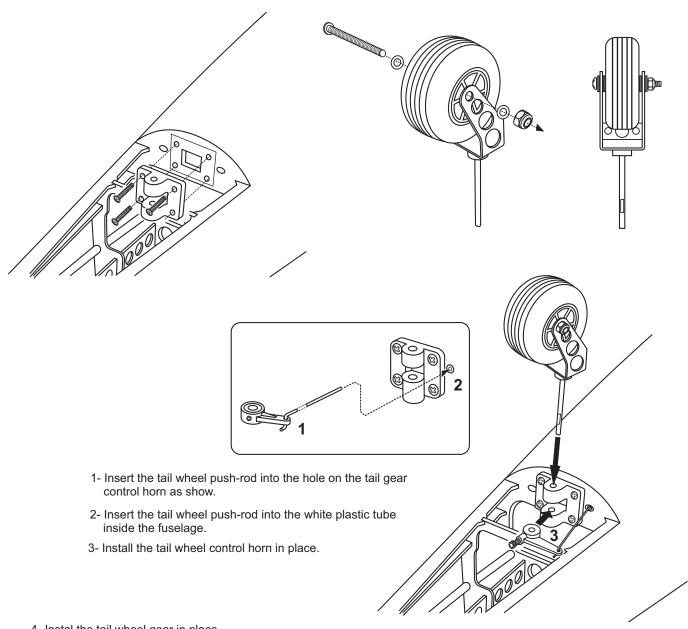
Remove the horizontal stabilizer from the fuselage.



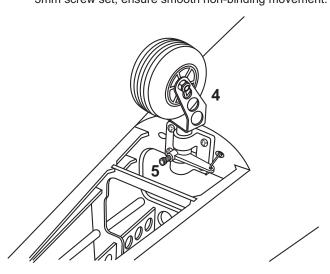


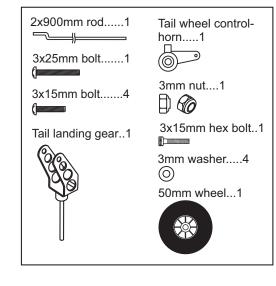


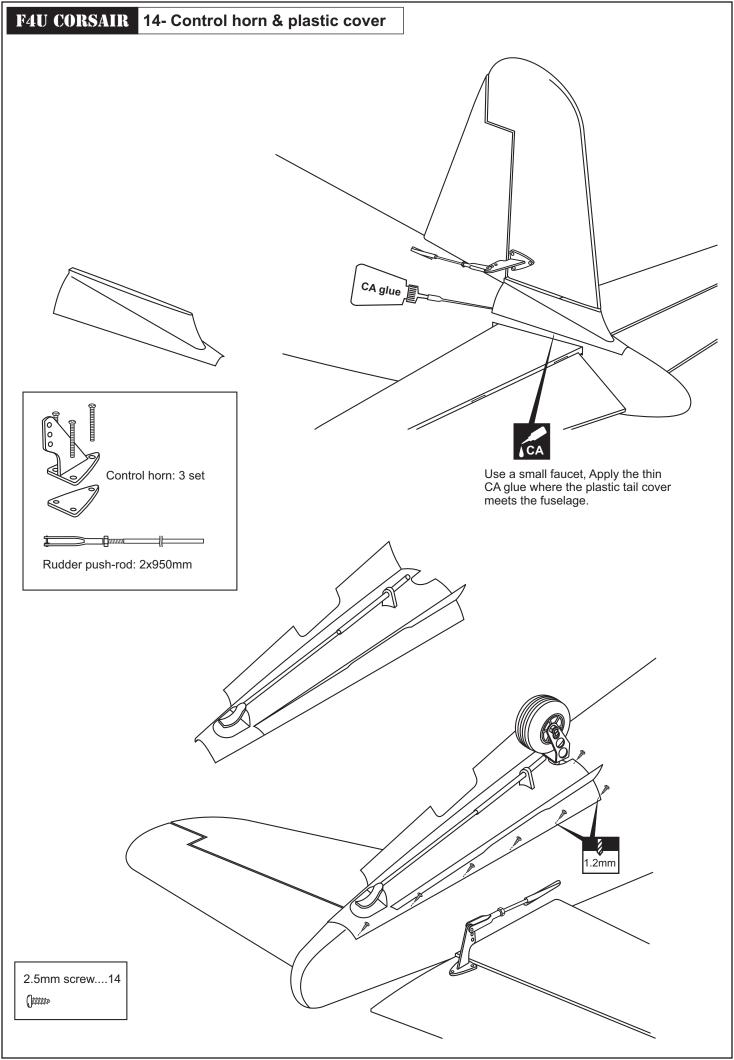


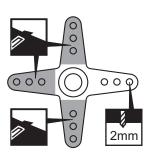


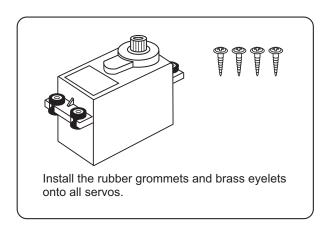
- 4- Instal the tail wheel gear in place.
- 5- Secure the tail wheel control horn in place using a 3mm screw set, ensure smooth non-binding movement.

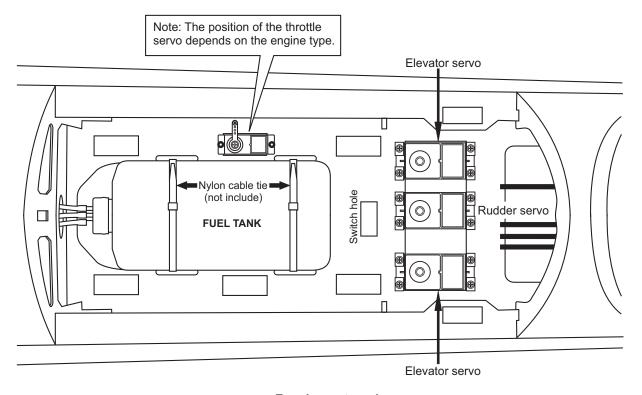




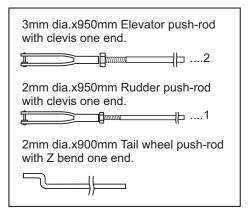




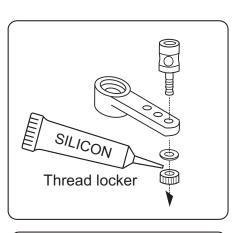


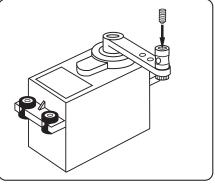


Fuselage - top view



F4U CORSAIR 16- Linkages





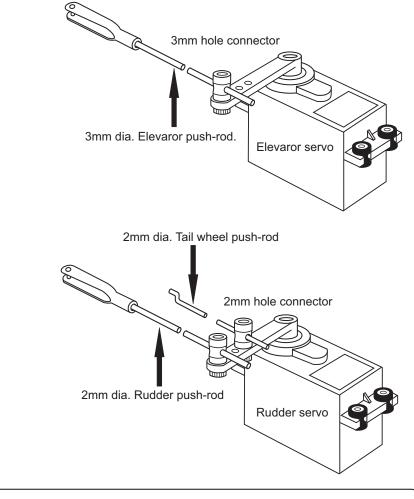
3mm hole connector (for elevator)

....2

2mm hole connector (for rudder,

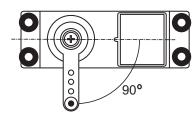
Tail wheel and engine)

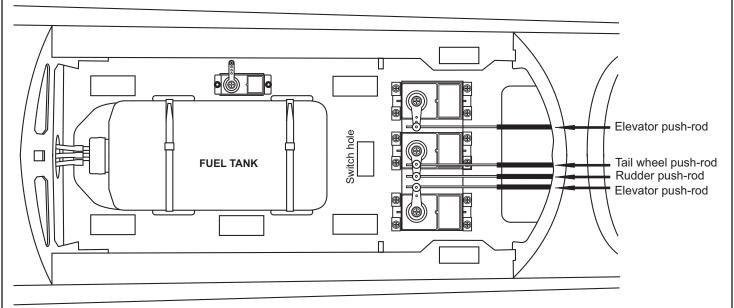
.....3

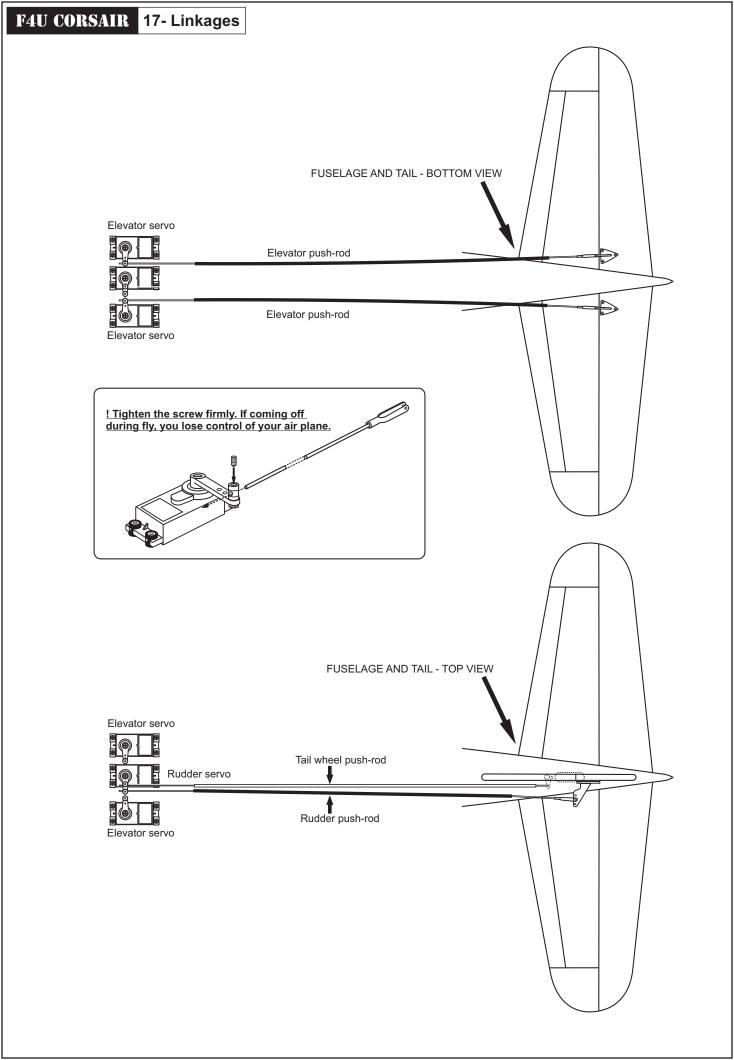


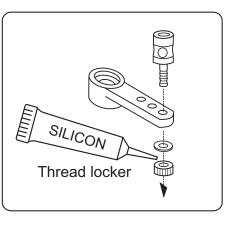
Switch on the radio (trim centered), mount the rudder and elevator servo horn in neutral position.

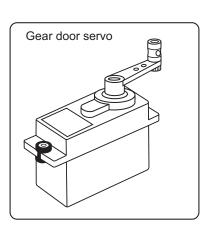
The servo horn should be perpendicular to the servo as shown on the drawing below.

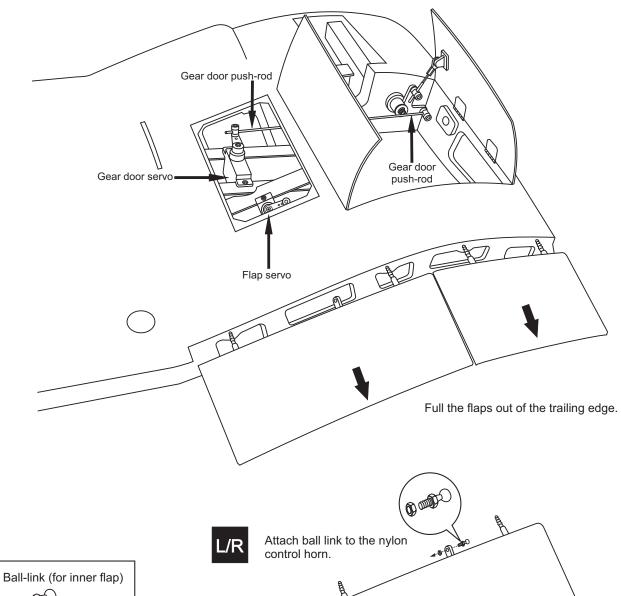




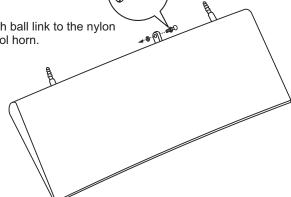


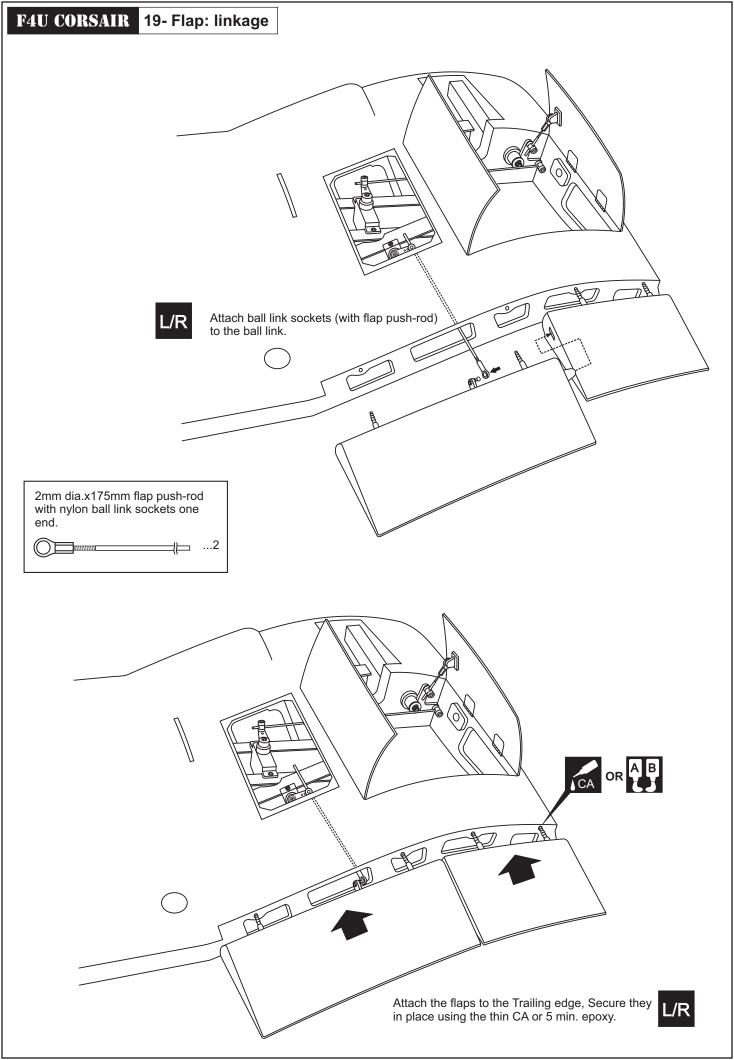


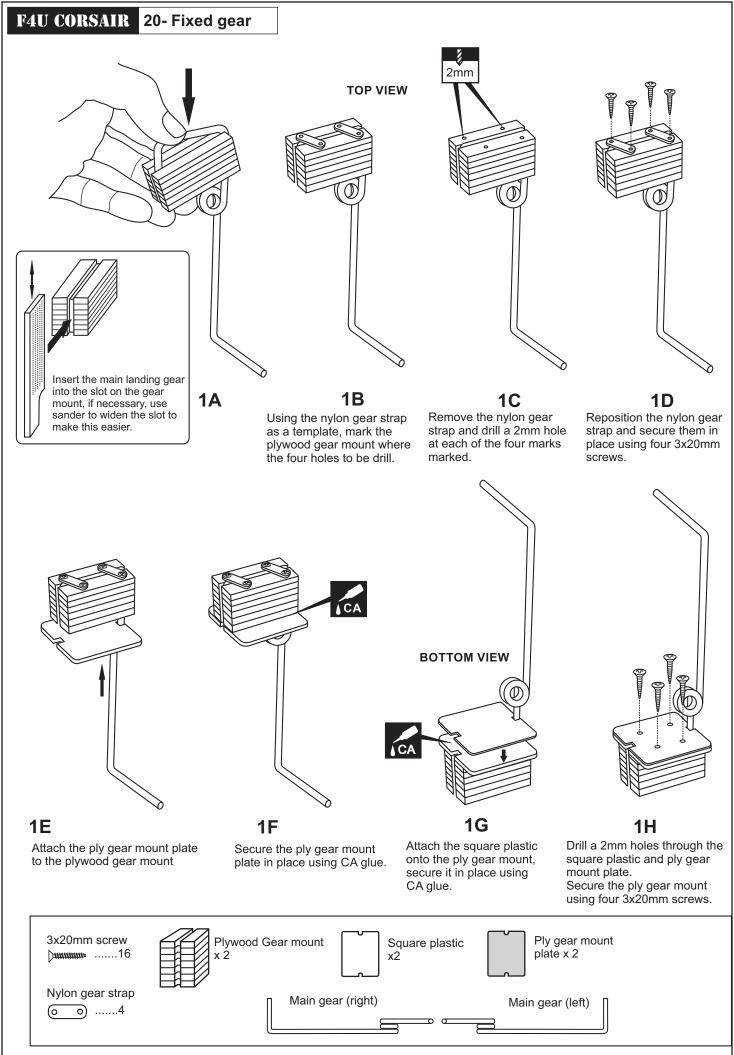


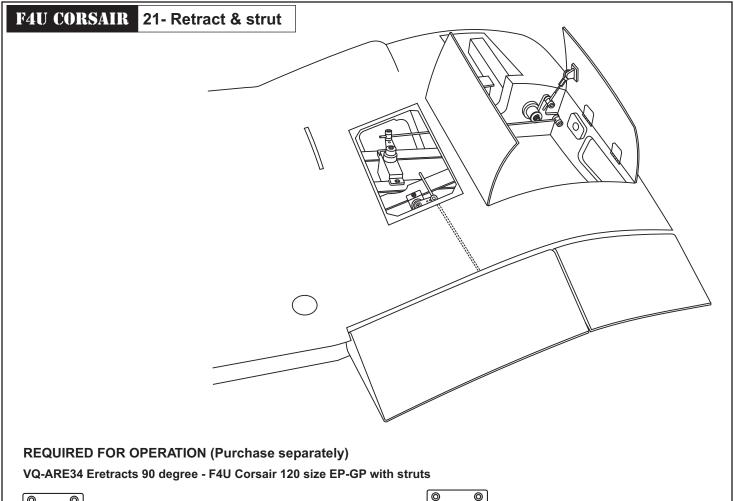


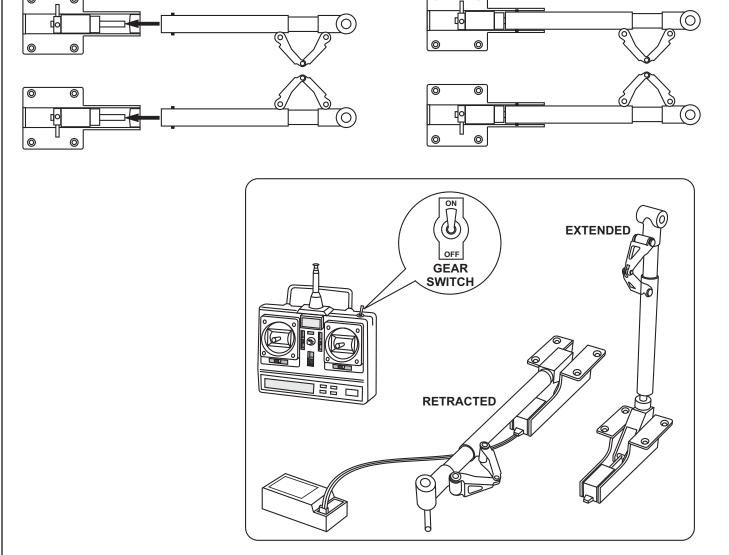


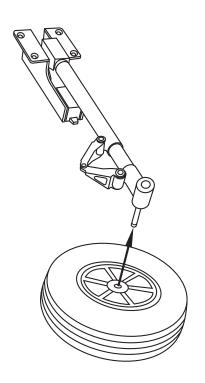


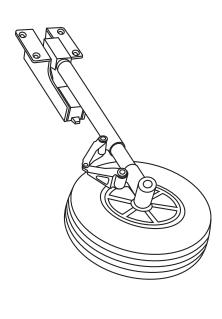








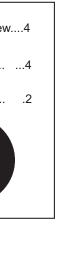


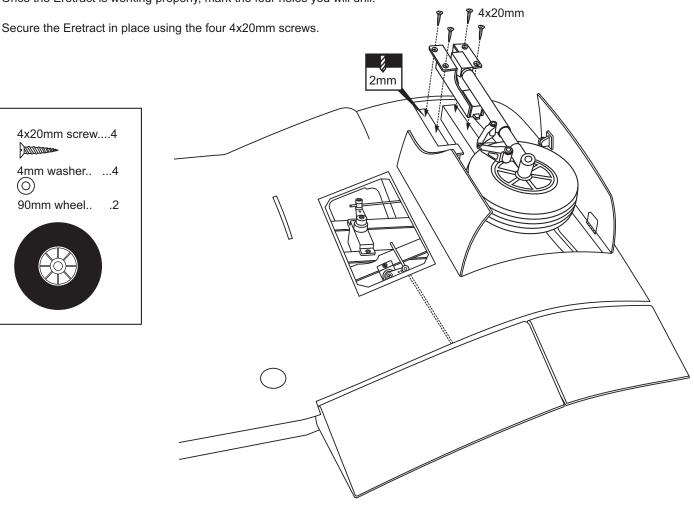


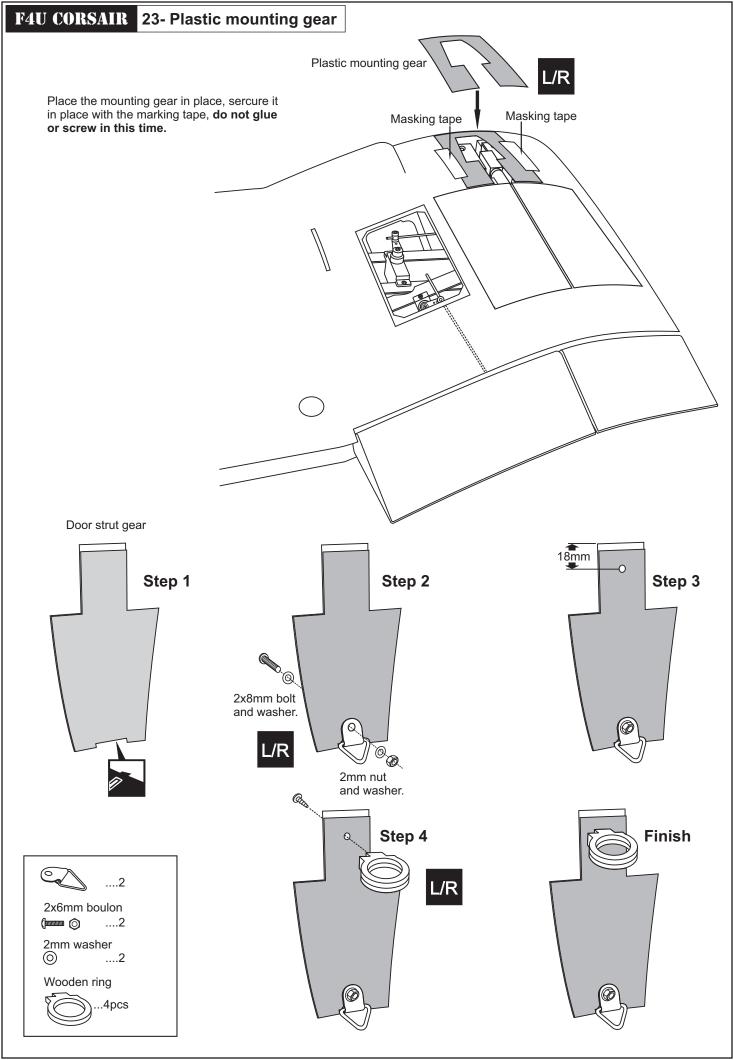
Install the Eretract on the mounts, adjust the Eretract so that the wheel does not touch the wing during operation.

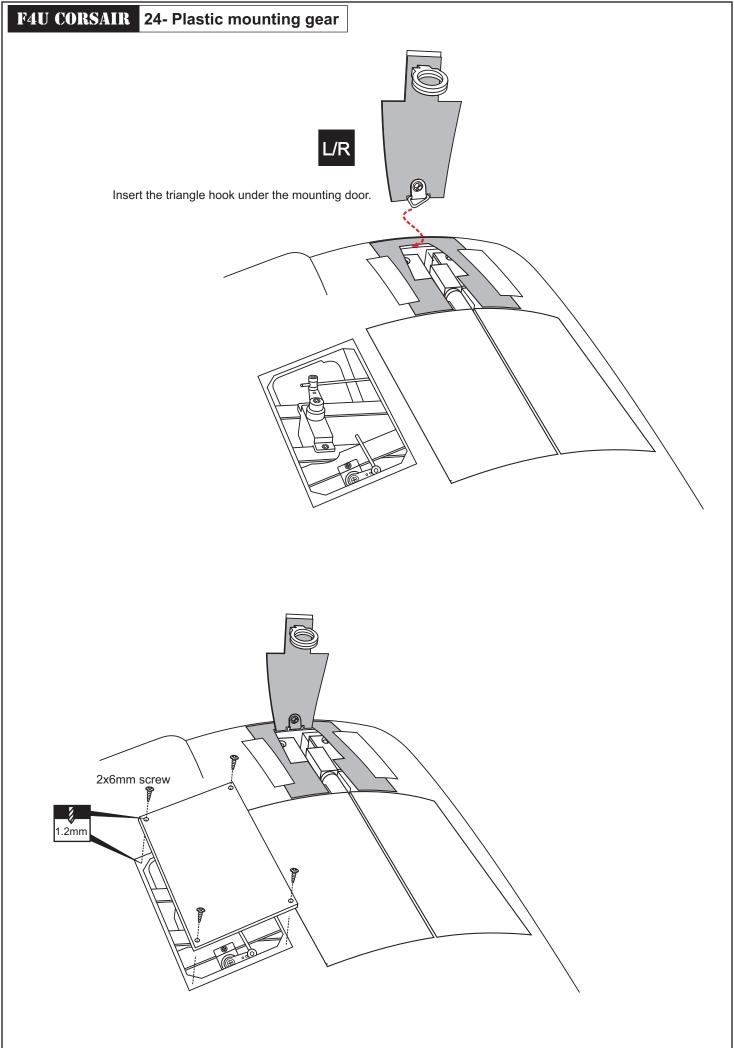
Once the Eretract is working properly, mark the four holes you will drill.

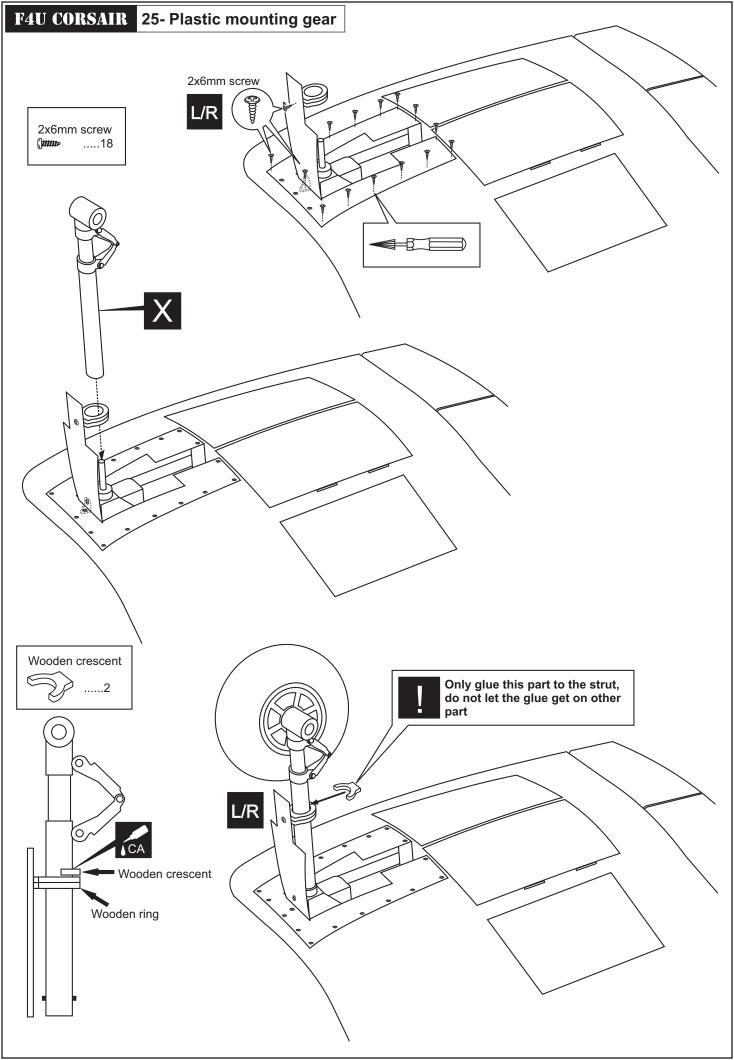


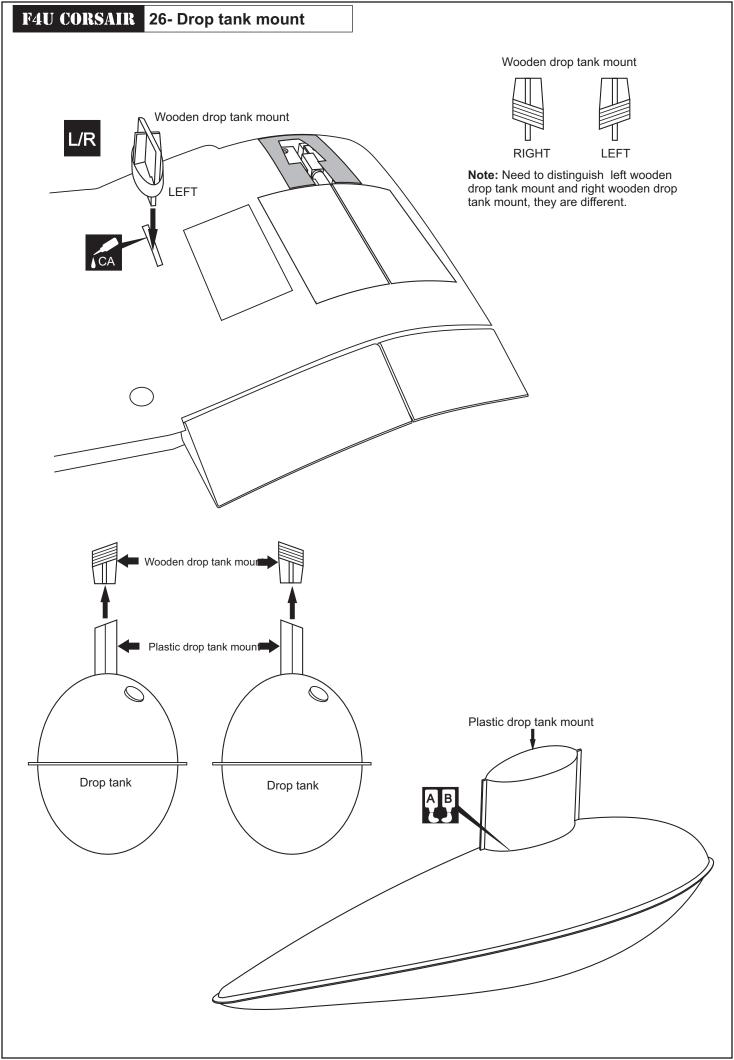


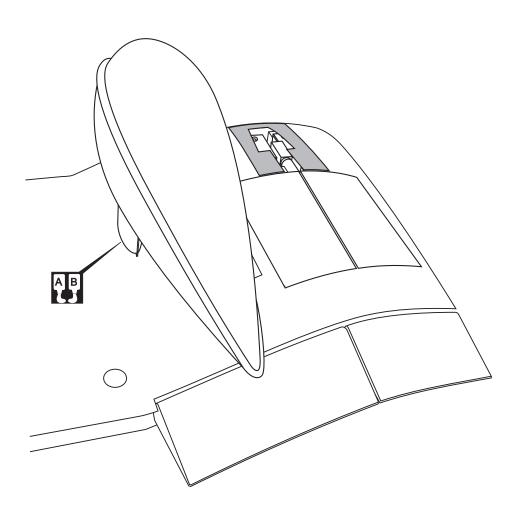


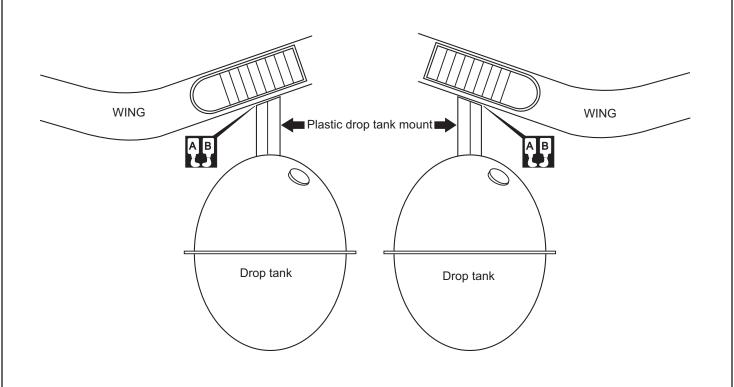


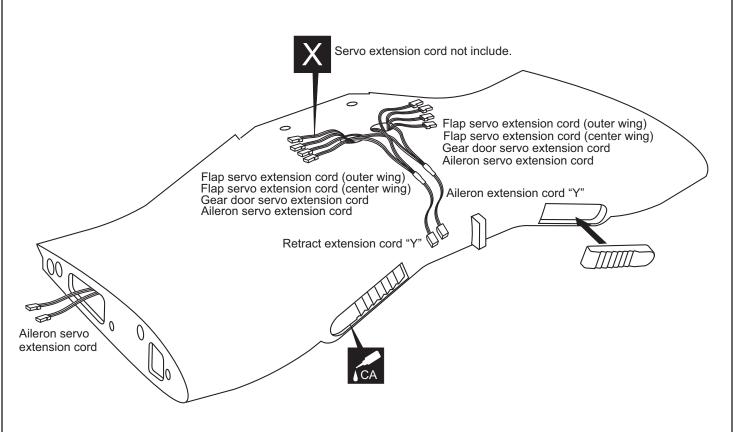




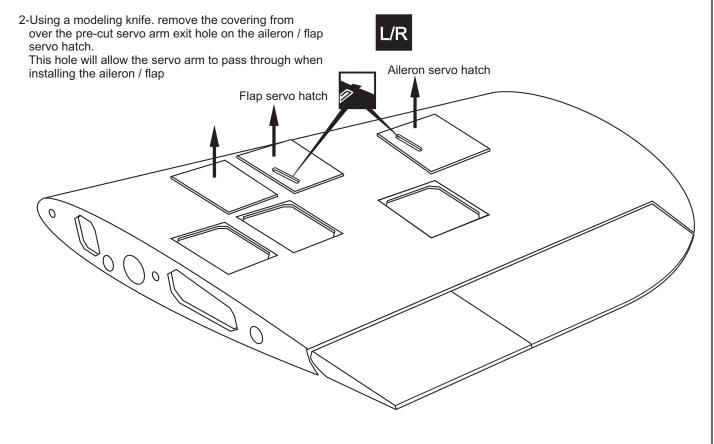


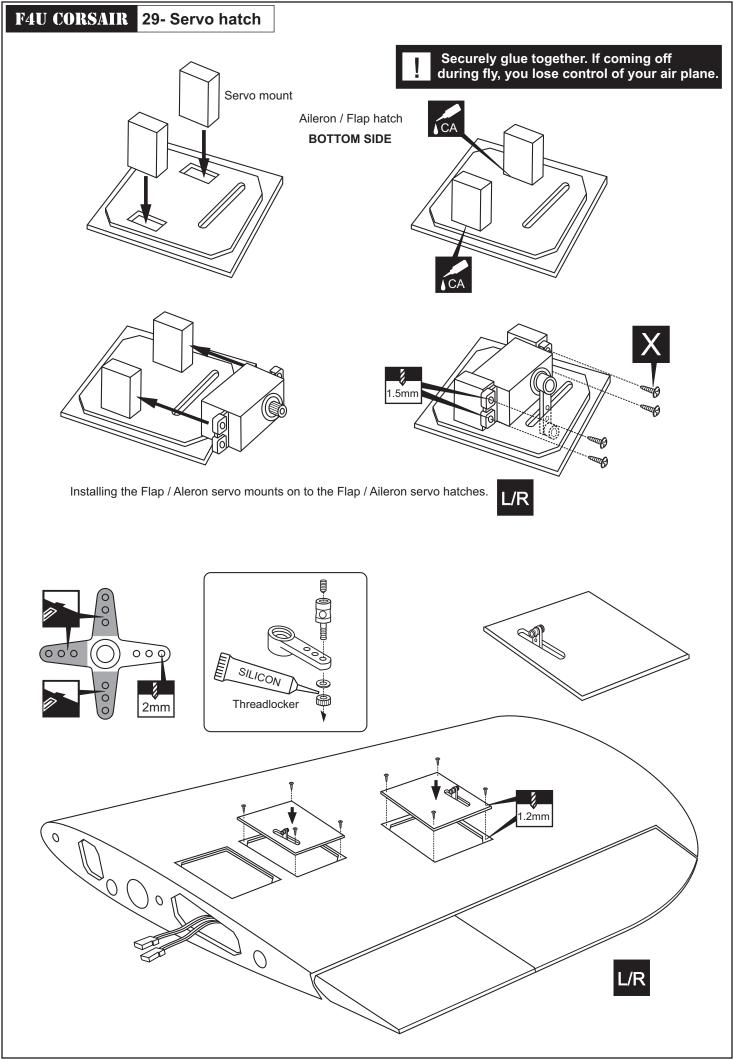




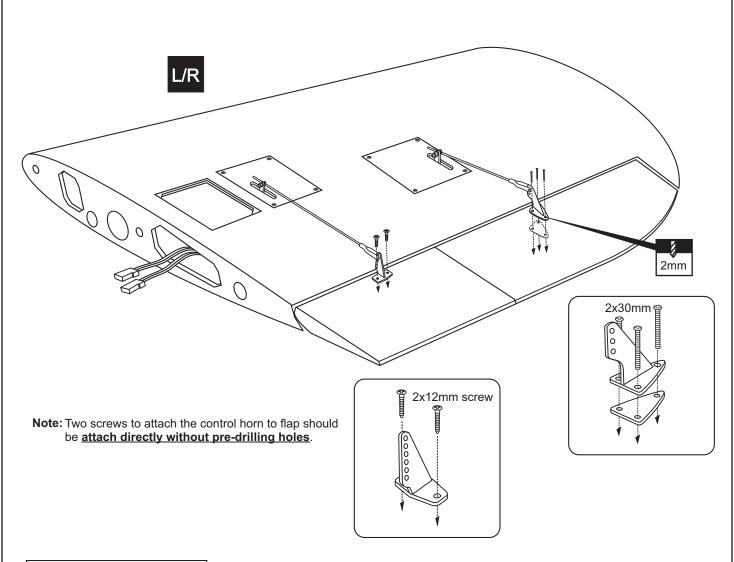


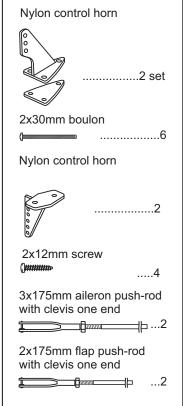
1-Remove all hatches from the wing.

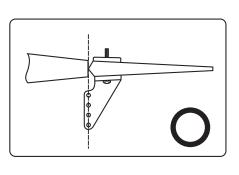


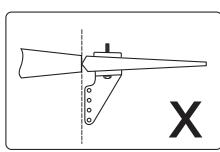


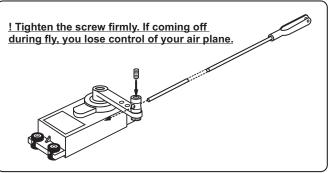
F4U CORSAIR 30- Aileron and flap control horn

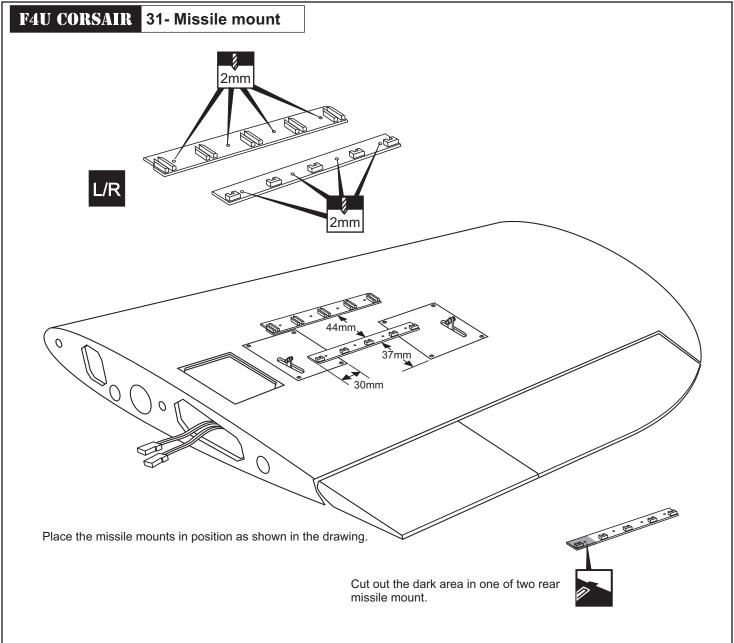






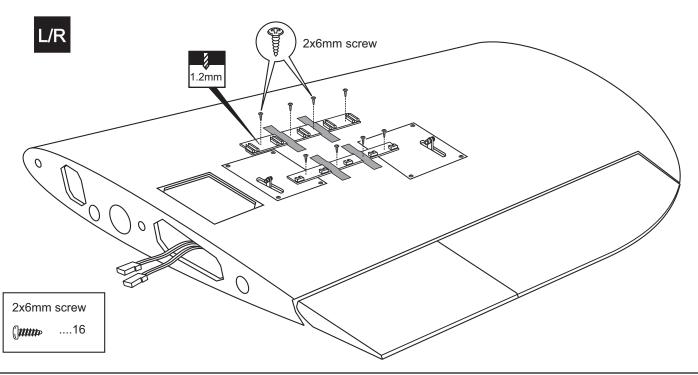


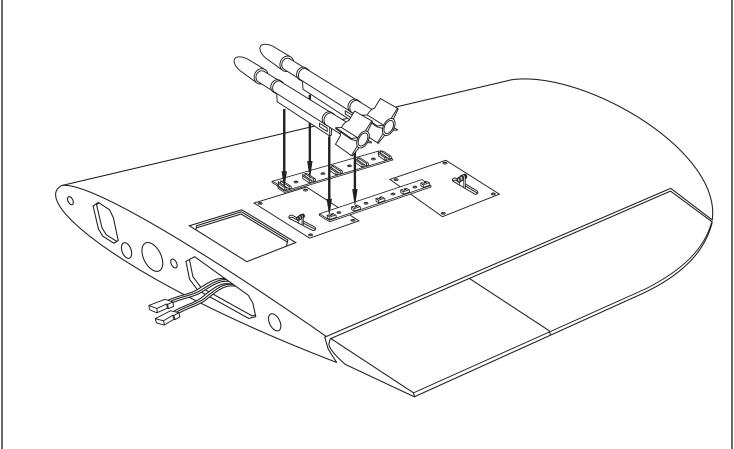


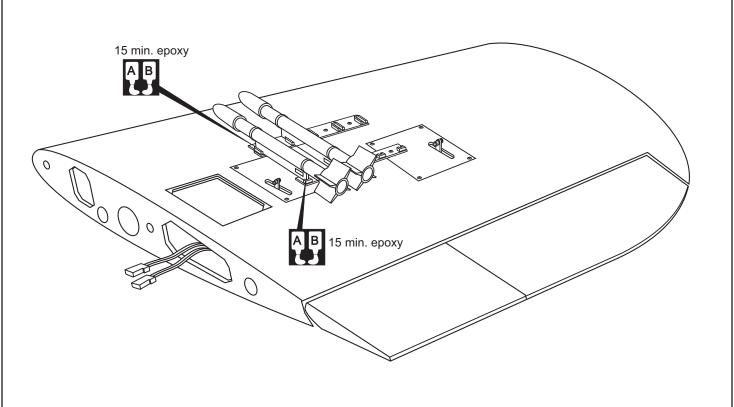


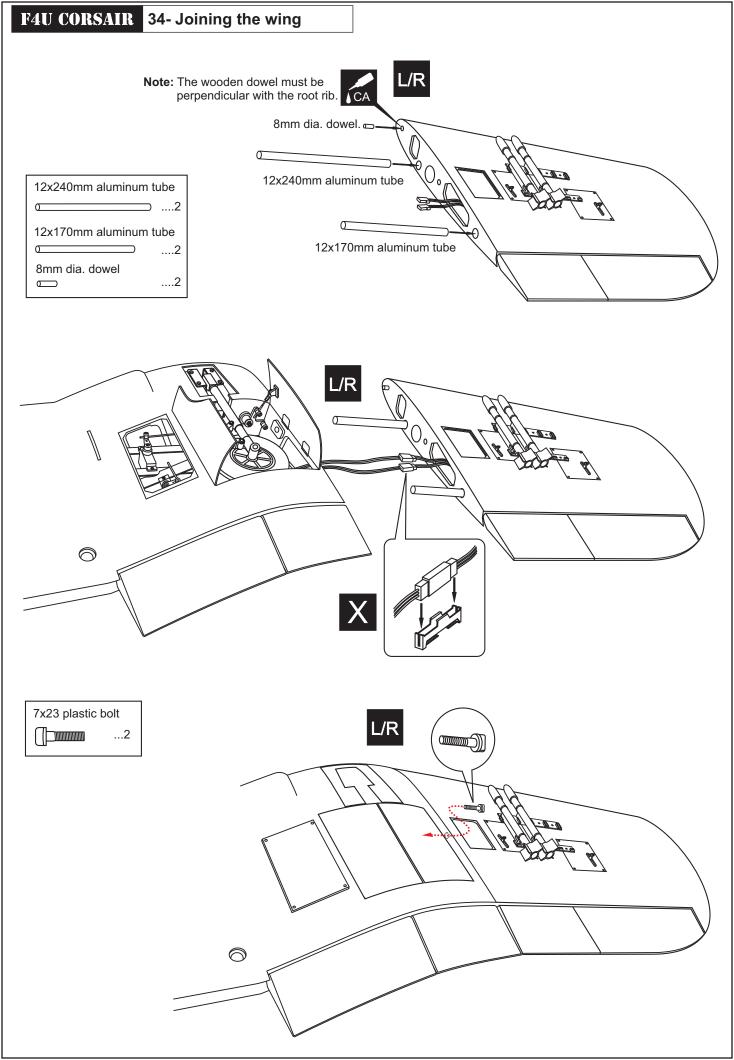
When the missile mounts are in place, secure them with marking tape.

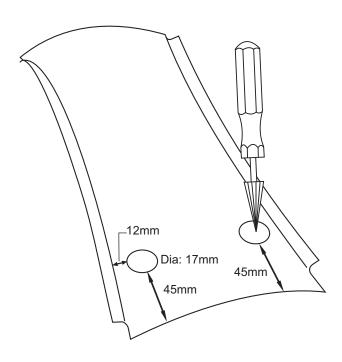
Use eight the 2x6mm screws to secure the missile mounts in place, then remove the marking tape.

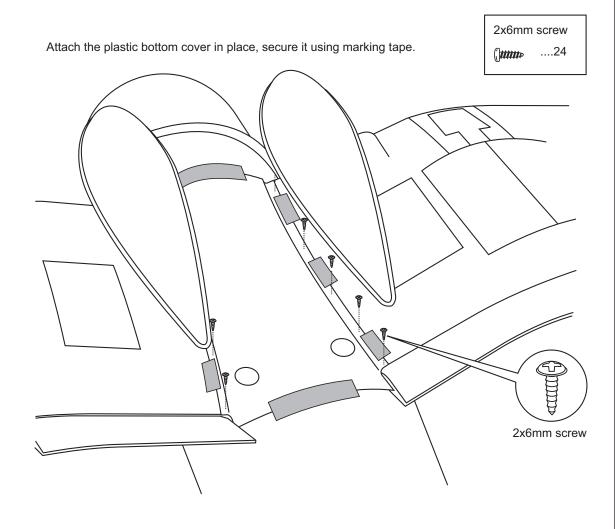


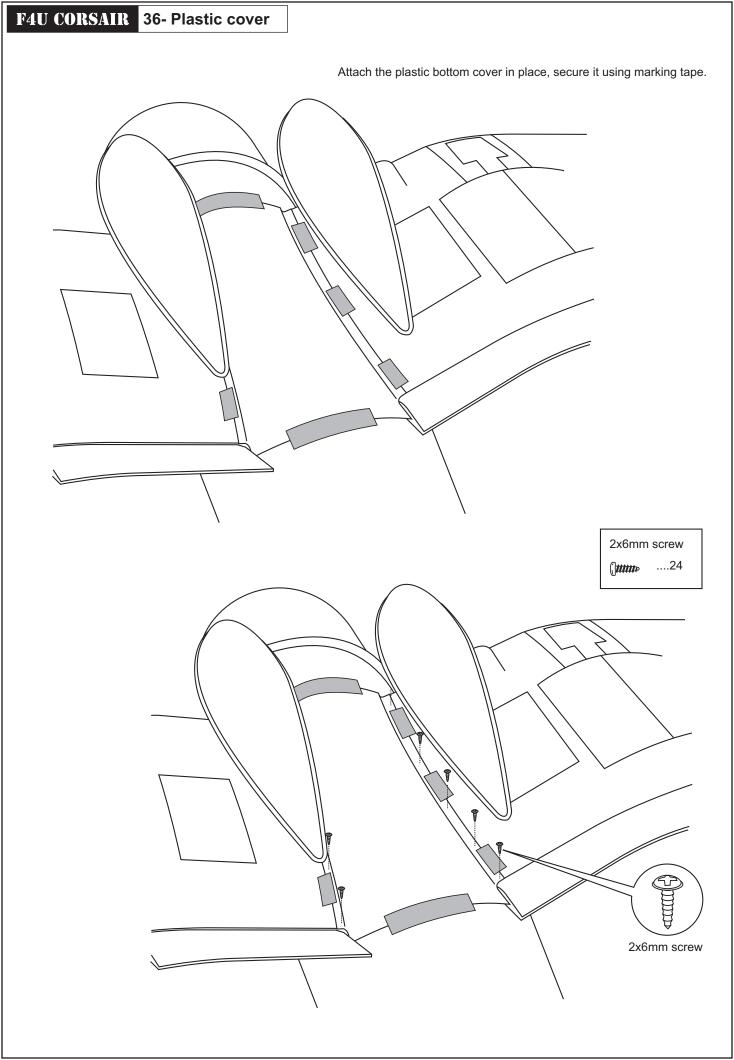


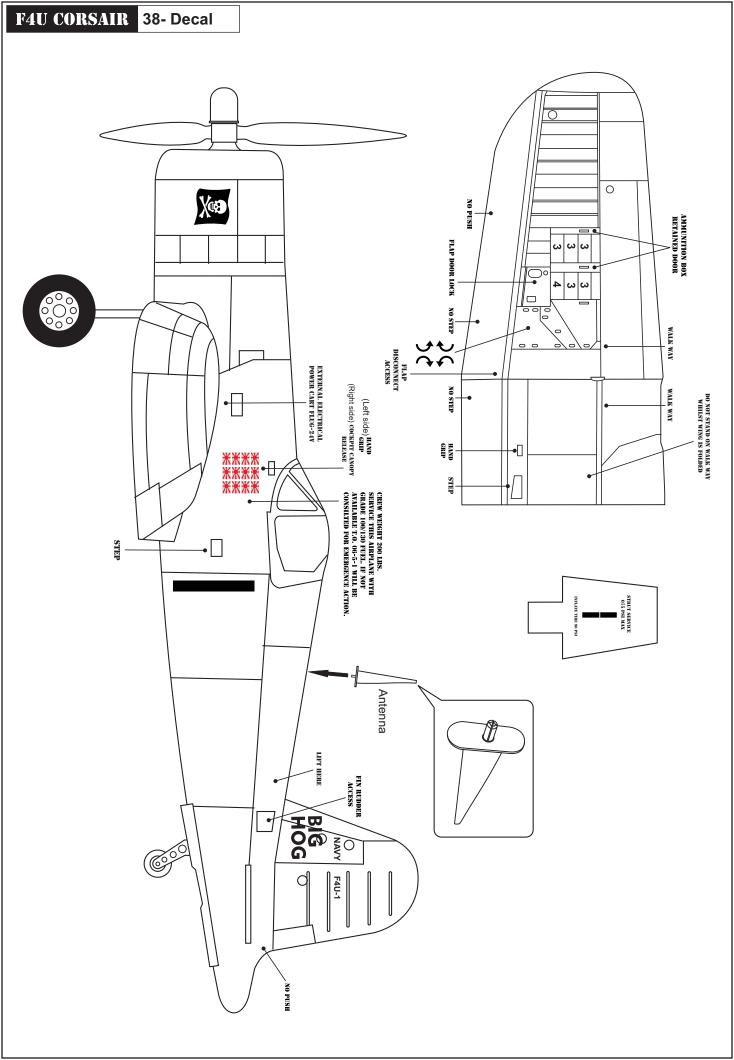


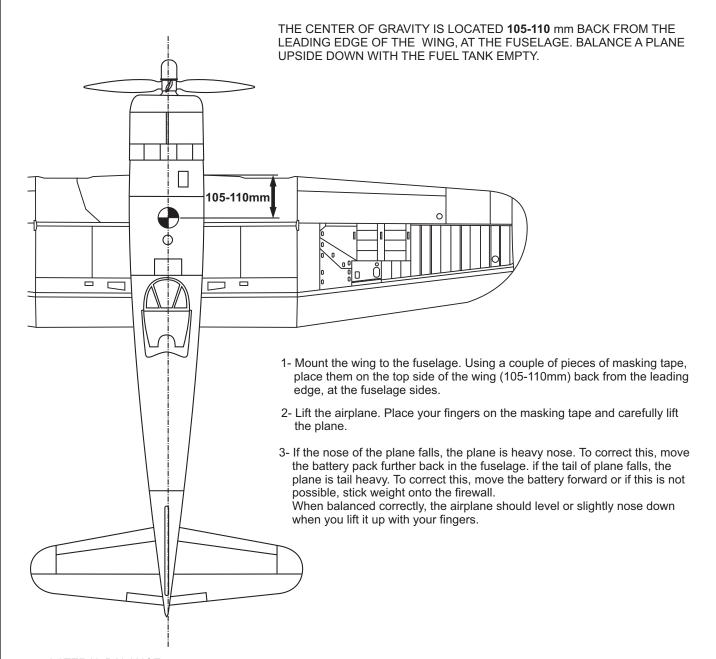












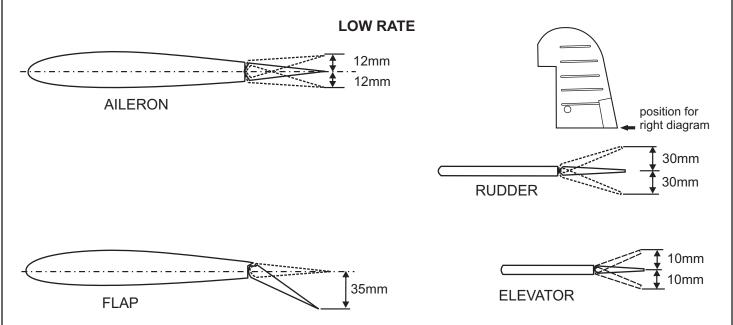
LATERAL BALANCE:

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!

CONTROL SURFACE



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 F4U Corsair 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".

LOW RATE

Aileron : 12mm up / down Elevator : 10mm up / down Rudder : 30mm right / left Flap : 35mm down

HIGH RATE

Aileron : 15mm up / down Elevator : 15mm up / down Rudder : 40mm right / left Flap : 40mm down

