

Before use, please carefully read the explanations!

Weight: ~ 14.5 - 16.5 lbs (6577g - 7484g)
Req. Engine: .40 - .46 2cycle (2 required)
.60 - .70 4cycle (2 required)
Channels req: 4 - 6 channels

Instruction manual

P-38 Lightning



Almost ready to Fly

Radio controlled - All balsa

TECHNICAL DATA

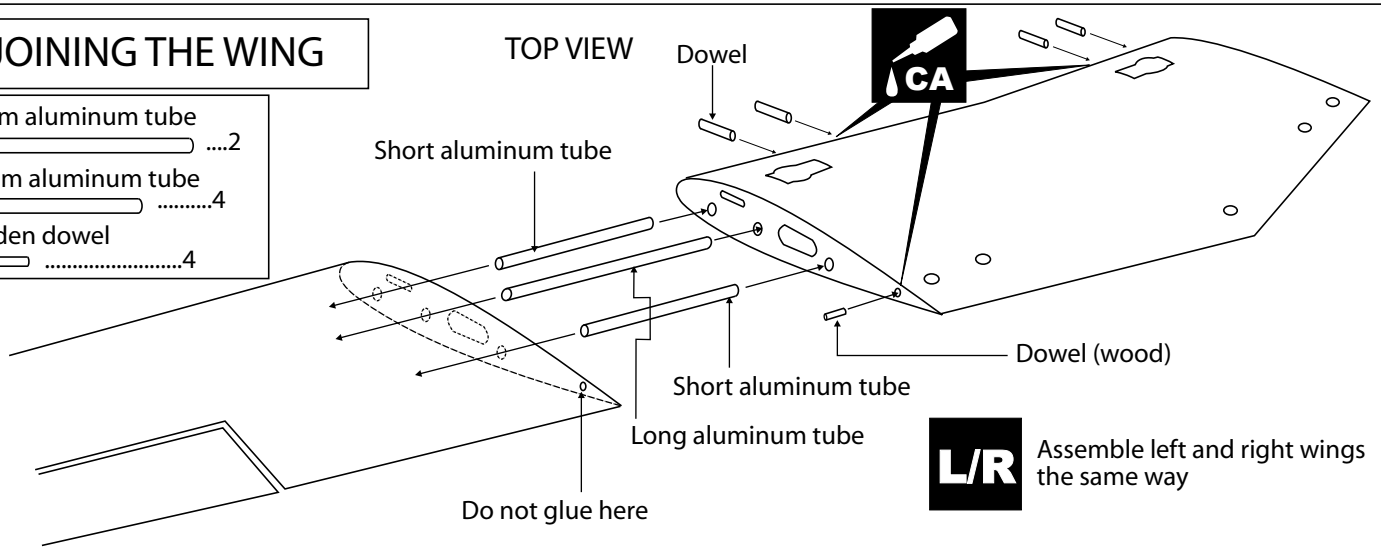
Wingspan: 83 inch (2108mm)
Fuselage Length: 57.5 inch (1460mm)
Wing Area: 872sq.in (56.2sq.dm)
Wing loading: ~38 - 43 oz/sq.ft (119 - 133g/sq.dm)



1- JOINING THE WING

- 302mm aluminum tube2
- 172mm aluminum tube4
- Wodden dowel4

TOP VIEW



L/R Assemble left and right wings the same way

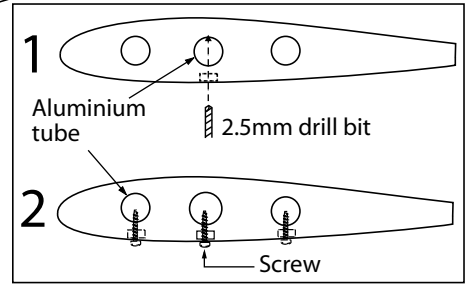
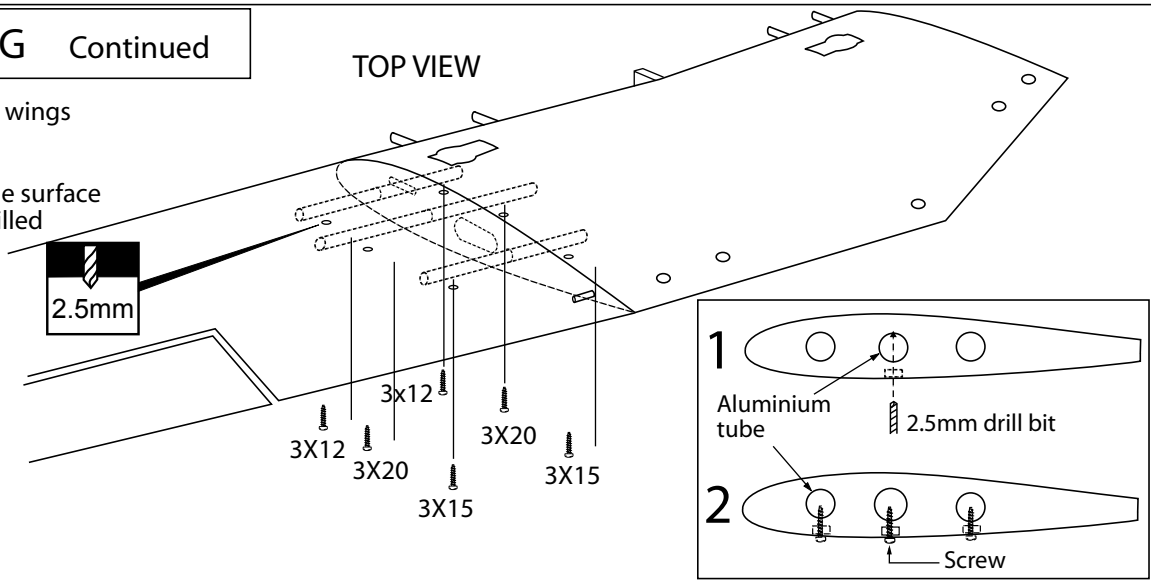
2- JOINING THE WING Continued

L/R Assemble left and right wings the same way

Caution: all holes (12 holes) on the surface of bottom of the wing are pre-drilled at the factory

TOP VIEW

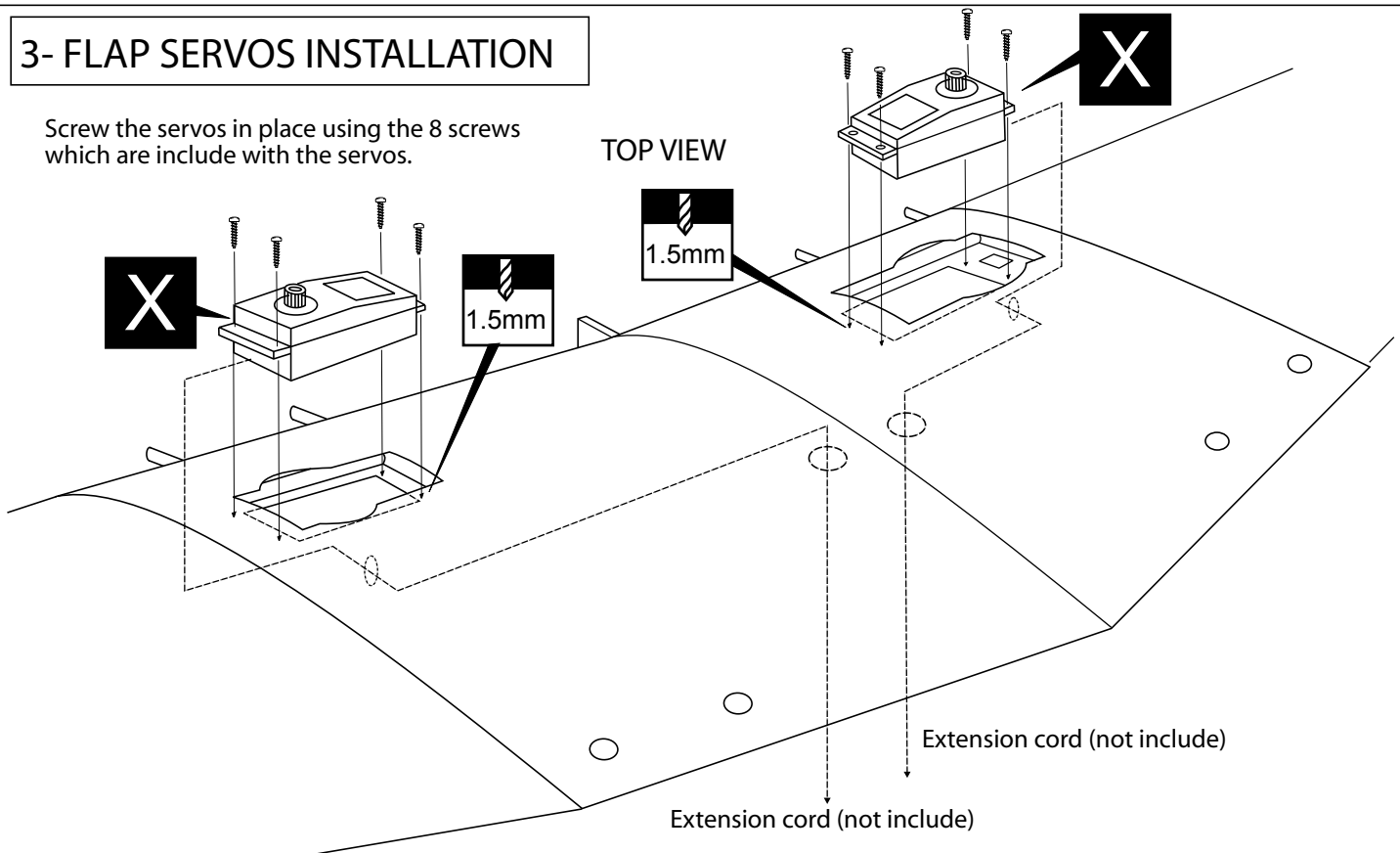
- 3x12mm screw4
- 3x15mm screw4
- 3x20mm screw4



3- FLAP SERVOS INSTALLATION

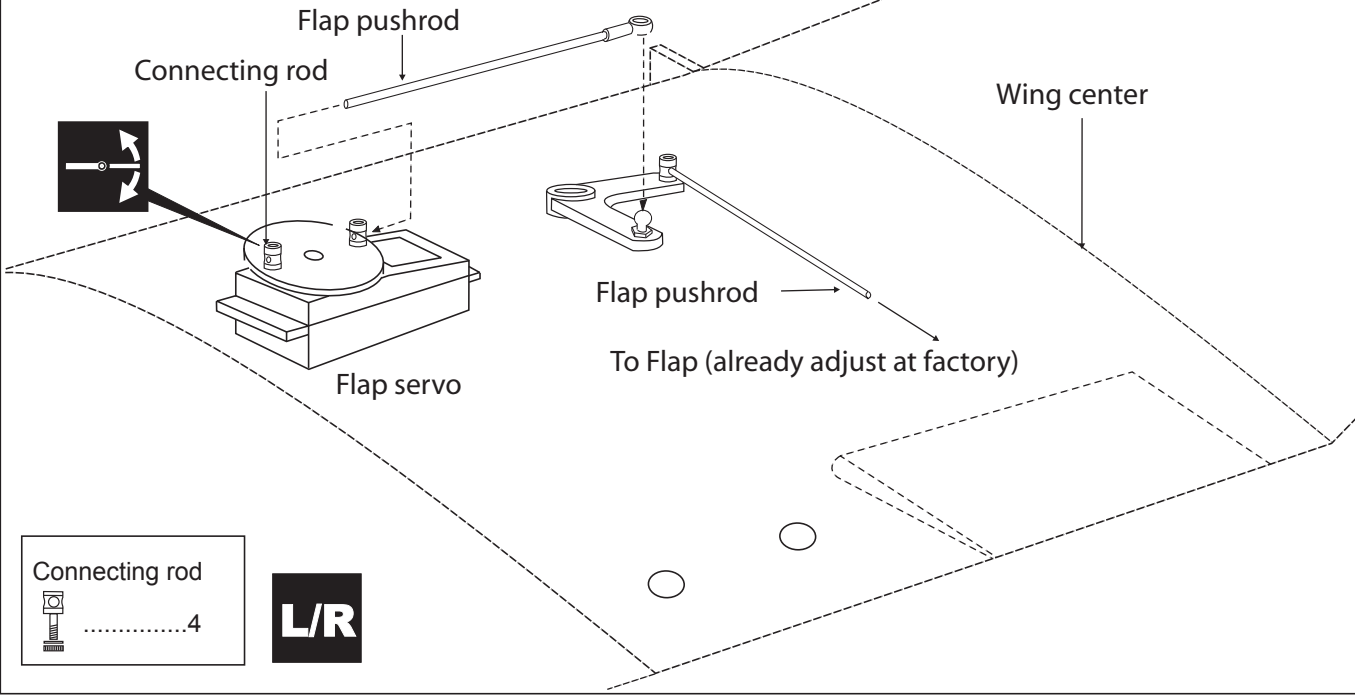
Screw the servos in place using the 8 screws which are include with the servos.

TOP VIEW



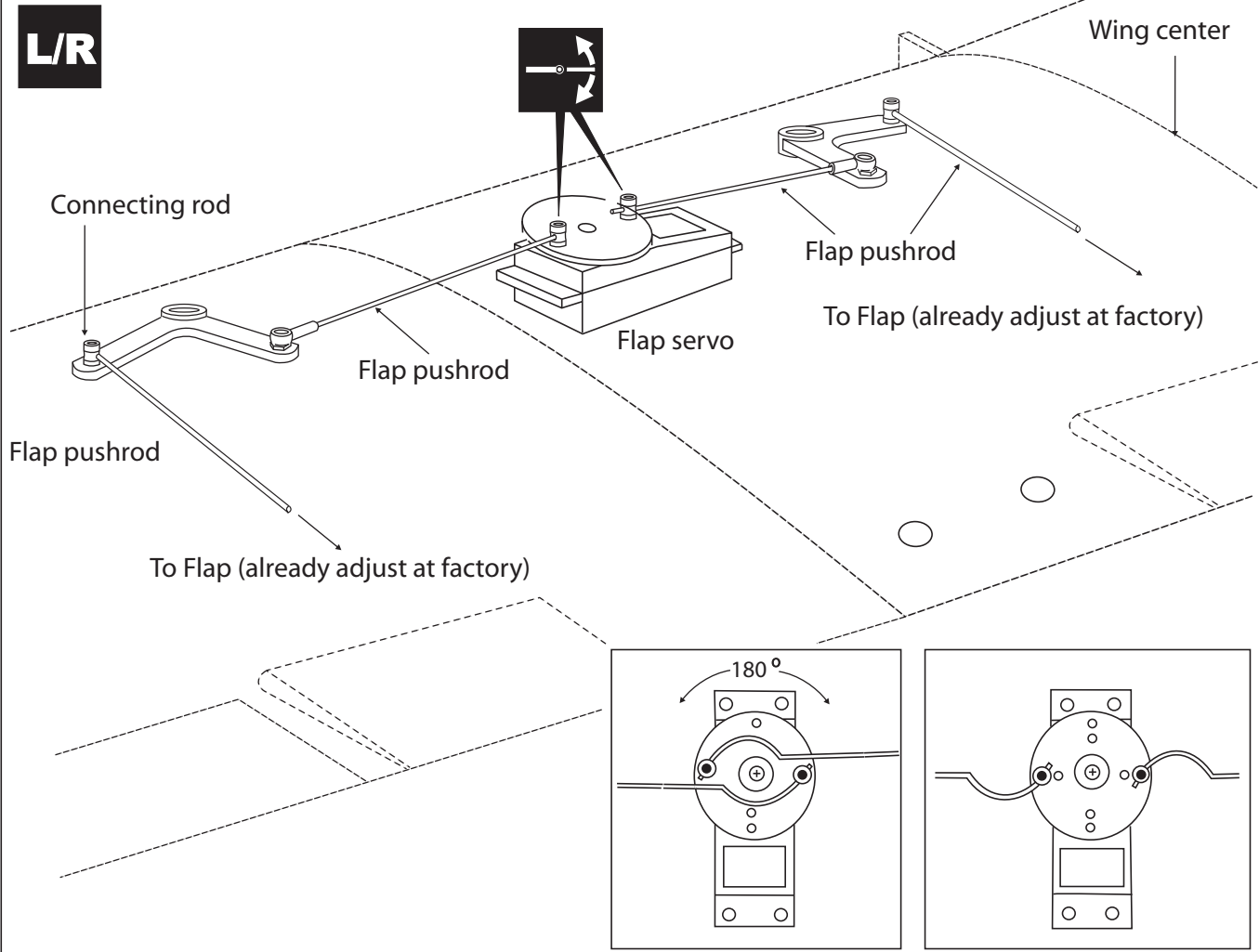
4- LINKAGE

TOP VIEW



5- LINKAGE

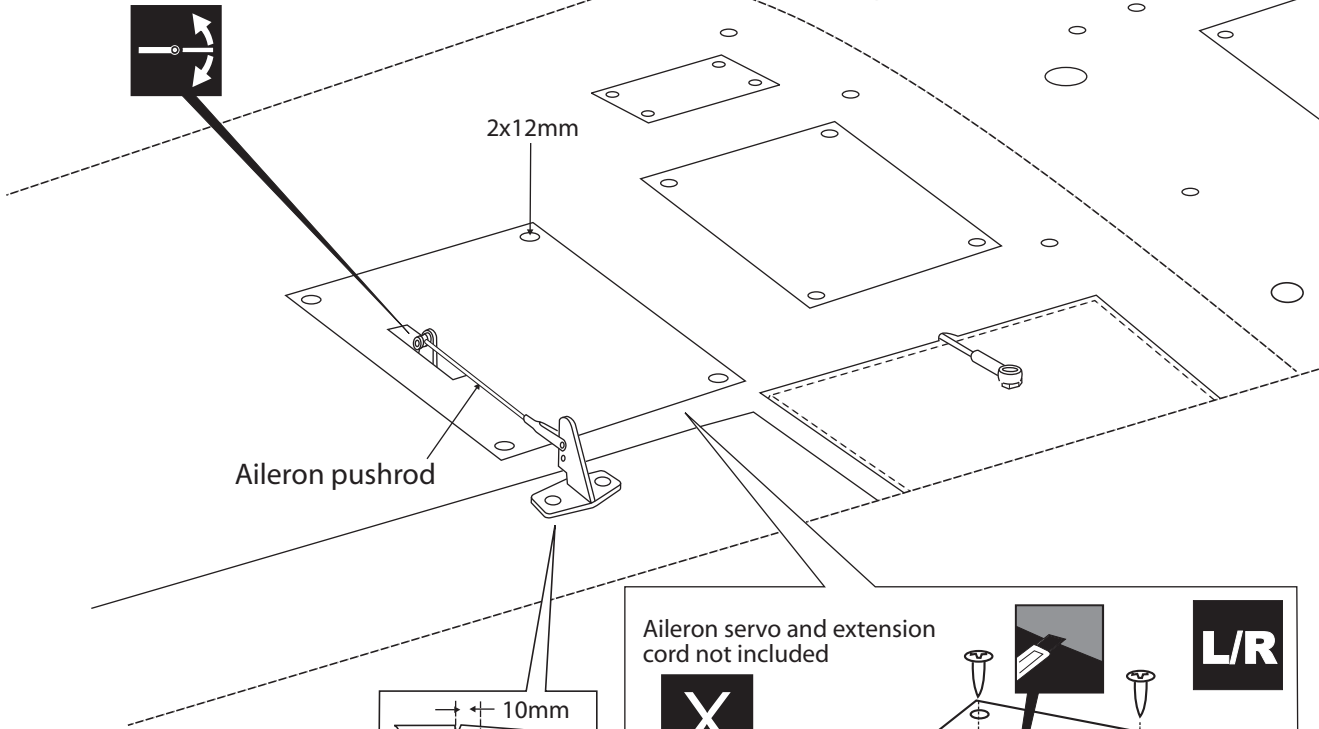
TOP VIEW






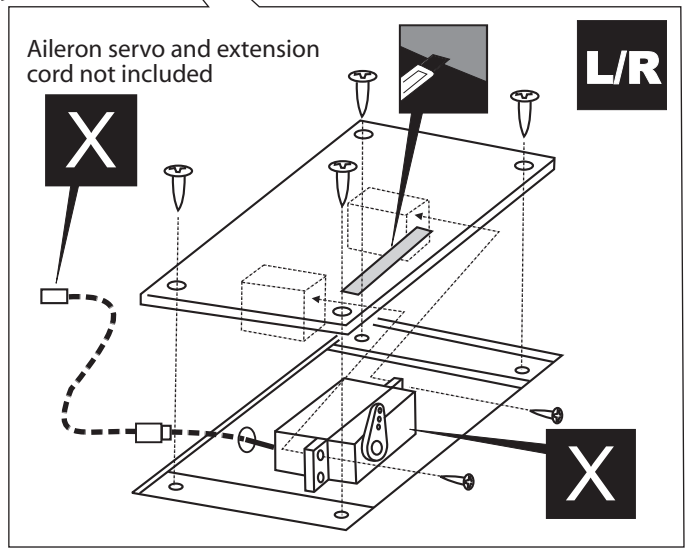
6- AILERON

BOTTOM VIEW

L/R Assemble left and right wings the same way



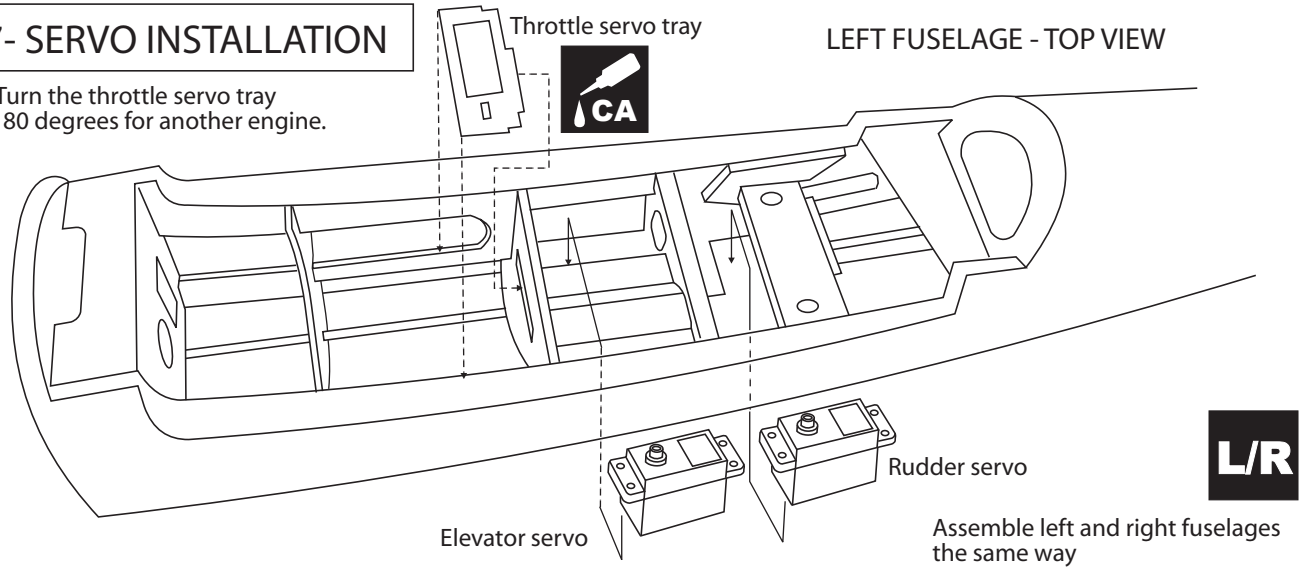
- 2
- 2
- 4



7- SERVO INSTALLATION

LEFT FUSELAGE - TOP VIEW

Turn the throttle servo tray 180 degrees for another engine.



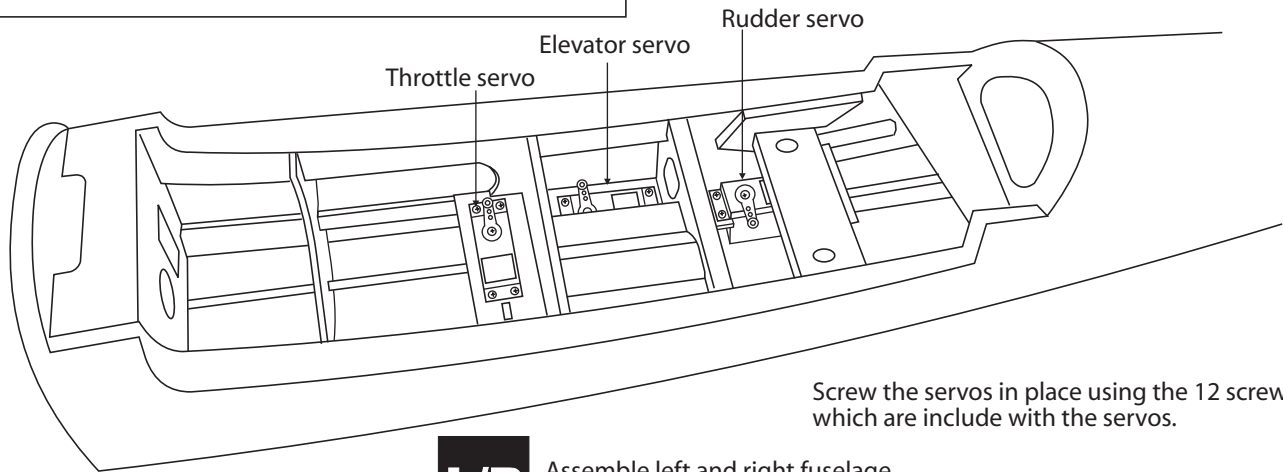
Elevator servo

Rudder servo

Assemble left and right fuselages the same way

8- SERVO INSTALLATION continued

LEFT FUSELAGE - TOP VIEW

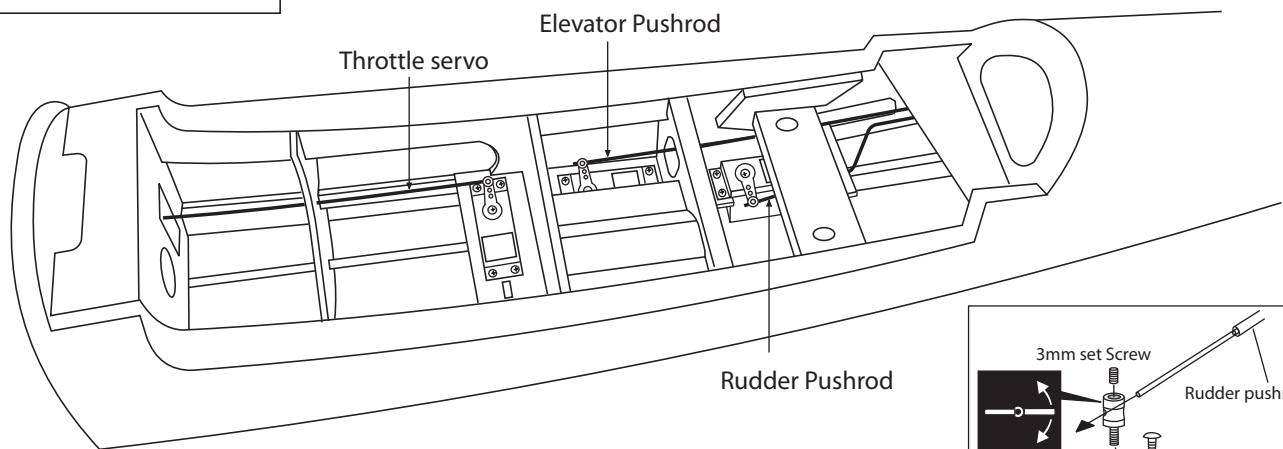


Screw the servos in place using the 12 screws which are include with the servos.

L/R Assemble left and right fuselage the same way

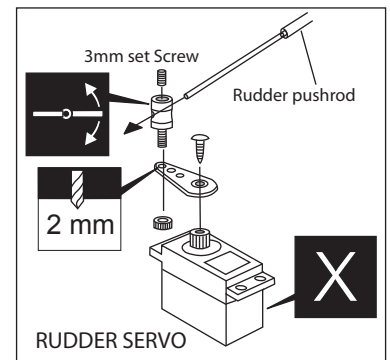
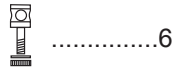
9- LINKAGE

LEFT FUSELAGE - TOP VIEW



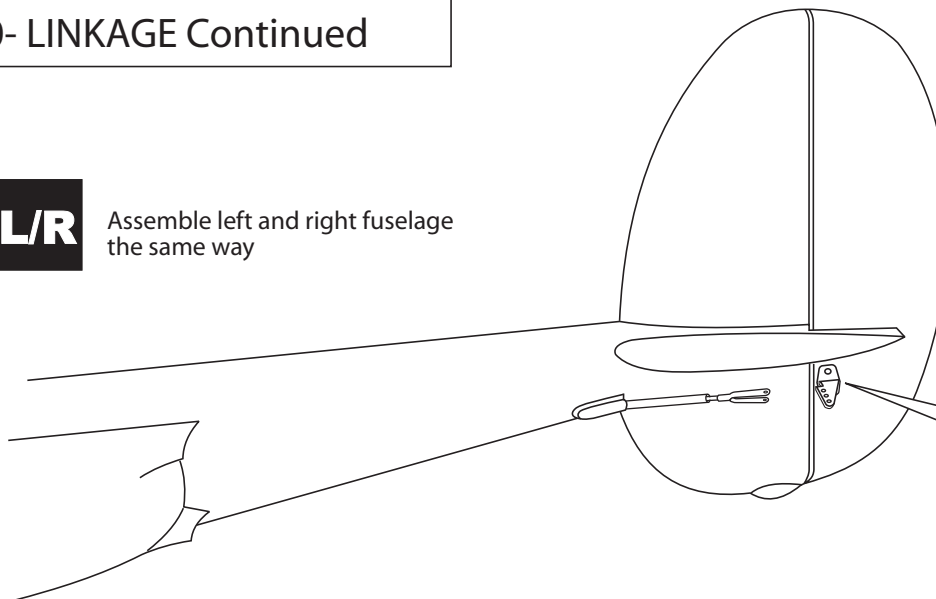
L/R Assemble left and right fuselage the same way

Connecting rod

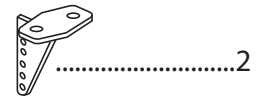


10- LINKAGE Continued

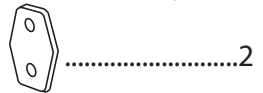
L/R Assemble left and right fuselage the same way



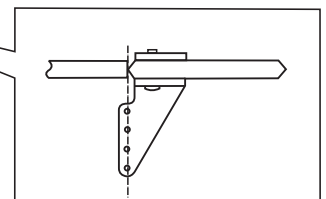
Plastic control horn



Plastic back plate

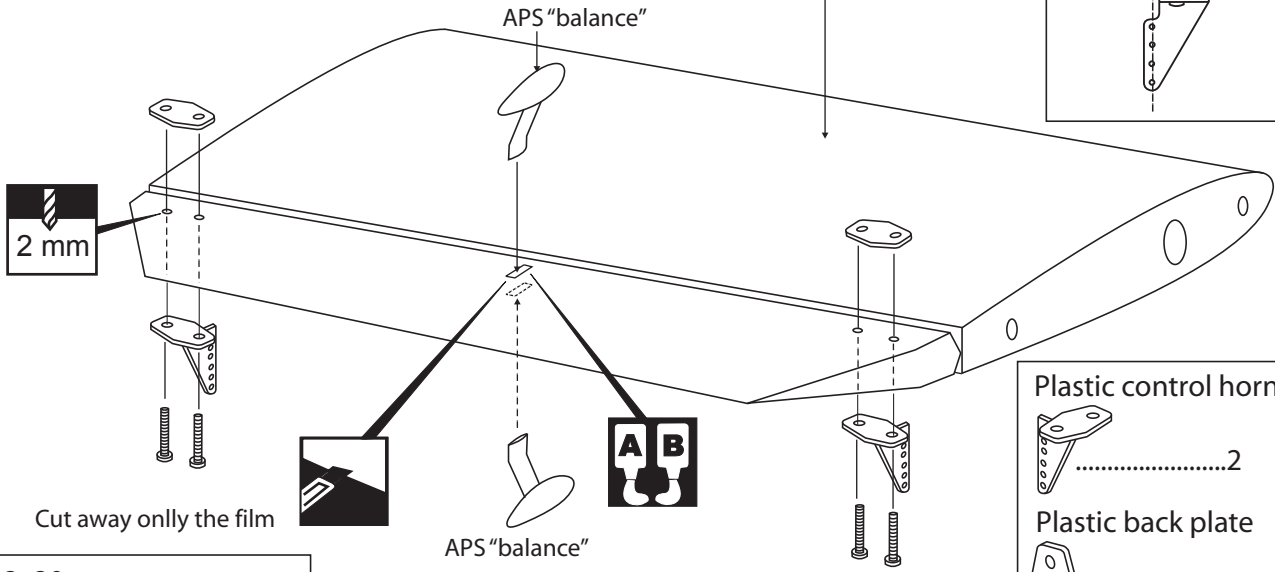
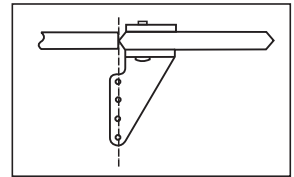


2x20mm screw



11- CONTROL HORNS INSTALLATION

HORIZONTAL STABILIZER



2 mm

Cut away only the film

2x20mm screw

.....4

APS "balance"



Plastic control horn



.....2

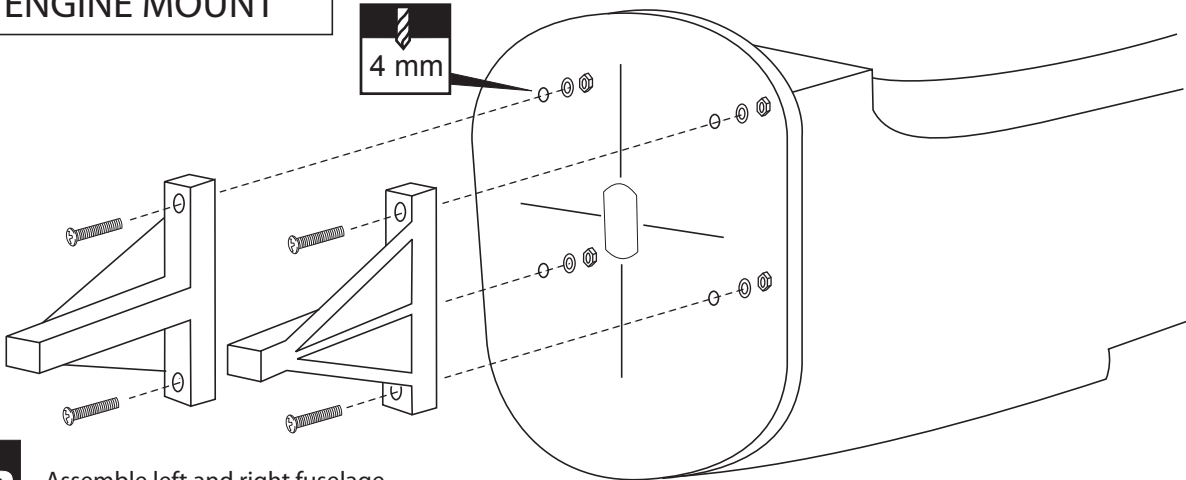
Plastic back plate



.....2

12- ENGINE MOUNT

4 mm



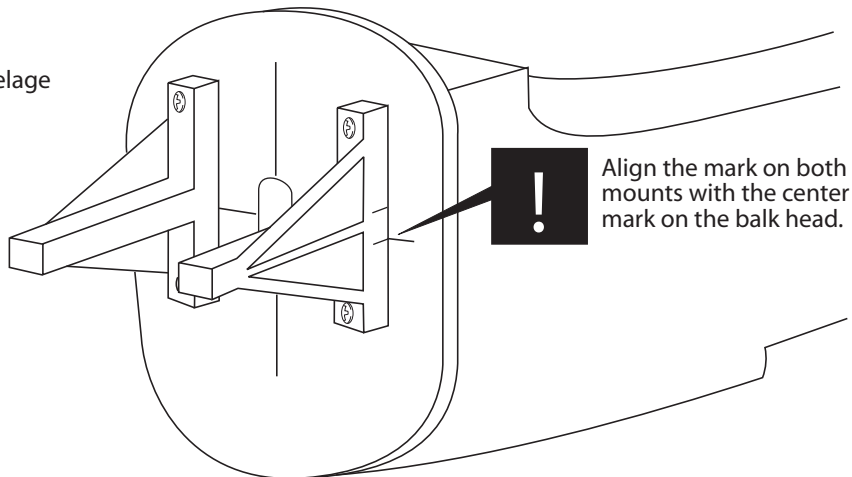
L/R

Assemble left and right fuselage the same way

13- ENGINE MOUNT Continued

L/R

Assemble left and right fuselage the same way



Align the mark on both mounts with the center mark on the balk head.

- 4x30...(8)
- Washer...(8)
- Nut 4mm...(8)

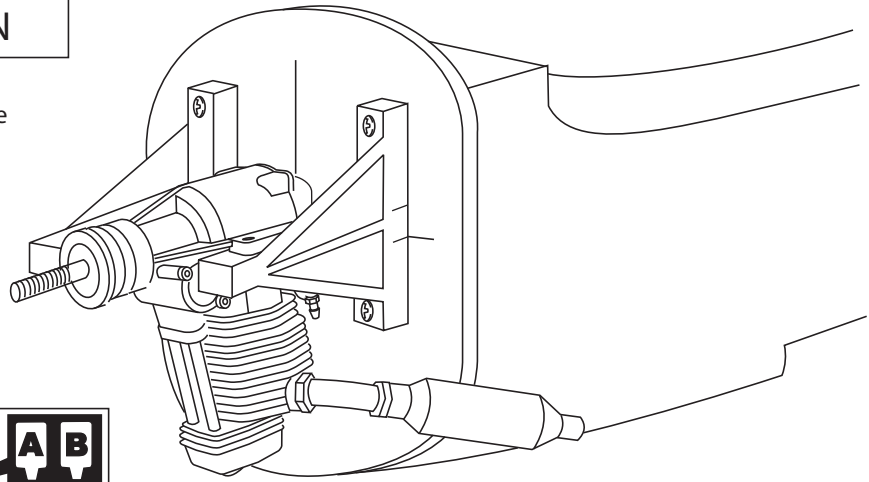
14- ENGINE INSTALLATION

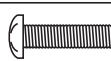


L/R

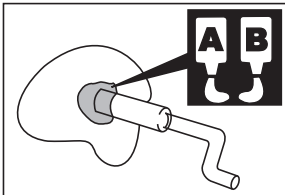
Assemble left and right fuselage the same way

Engine thrust on balk head is already adjust at factory

Secure the engine to the engine mount using four 3x25mm screws



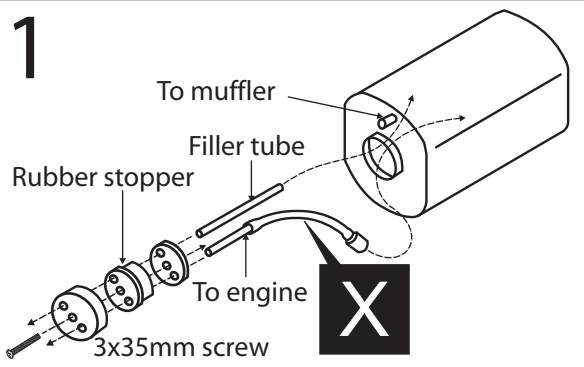
-  3x25...(8)
-  Washer...(8)
-  Nut 3mm...(8)



Insert the Z-bend into the hole on the throttle lever of engine.
Note: It may be easier to temporarily remove the control arm from the carburetor to insert the Z-bend

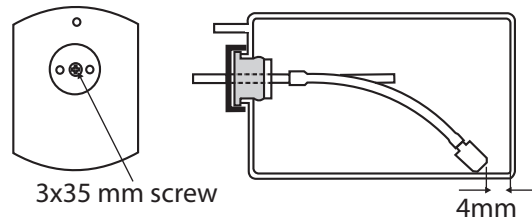
15- ASSEMBLING THE FUEL TANK

1



2

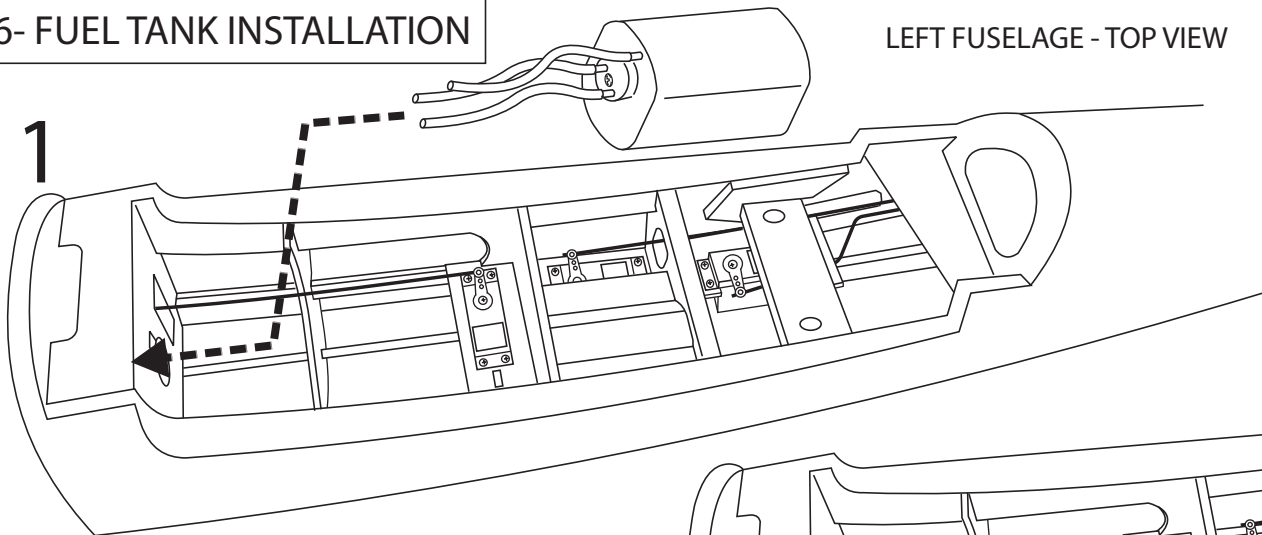
After confirming the direction . Insert this assembly, clunk end first, into the fuel tank and tighten and screw the fuel tank cap on firmly.



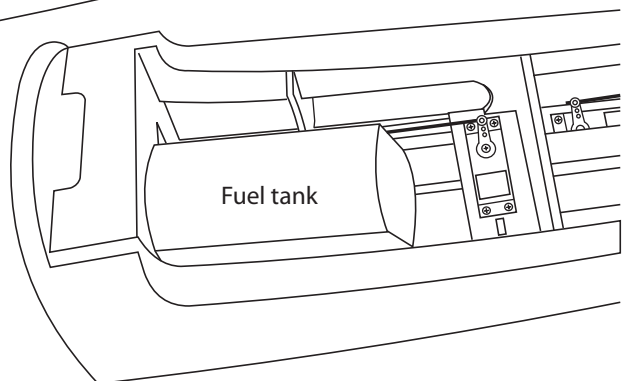
16- FUEL TANK INSTALLATION

LEFT FUSELAGE - TOP VIEW

1



2



L/R

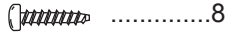
Assemble left and right fuselage the same way

16- AIR RETRACT INSTALLATION

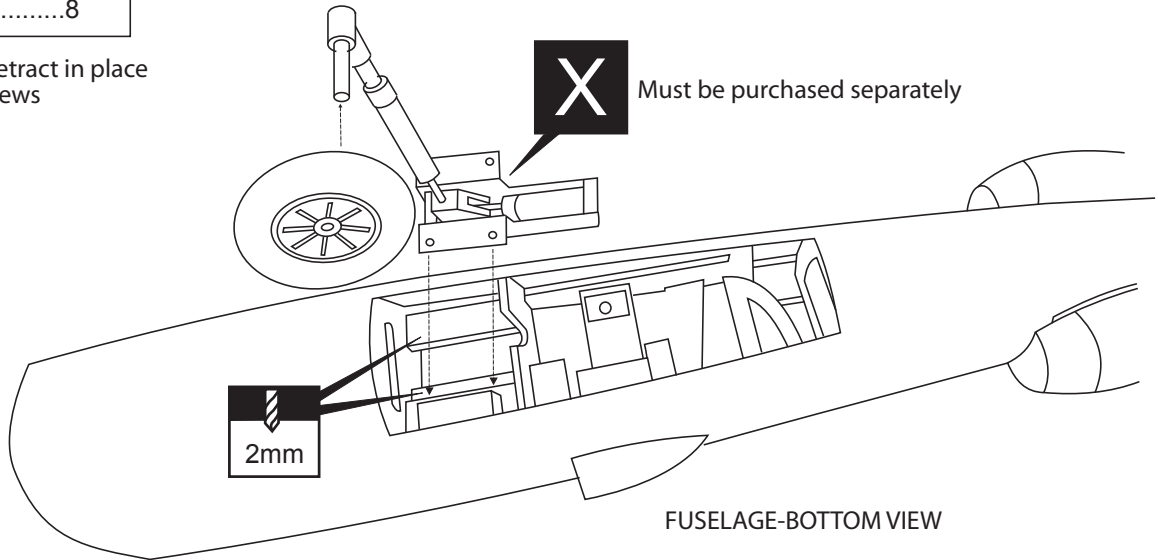


Assemble left and right fuselage the same way

3x12mm screw



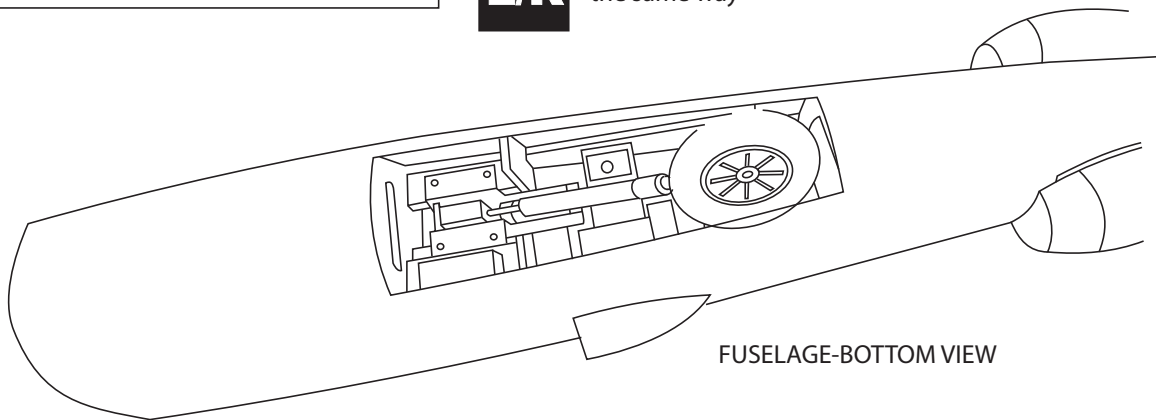
Screw the air retract in place using the 8 screws



17- AIR RETRACT INSTALLATION

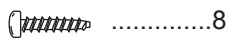


Assemble left and right fuselage the same way



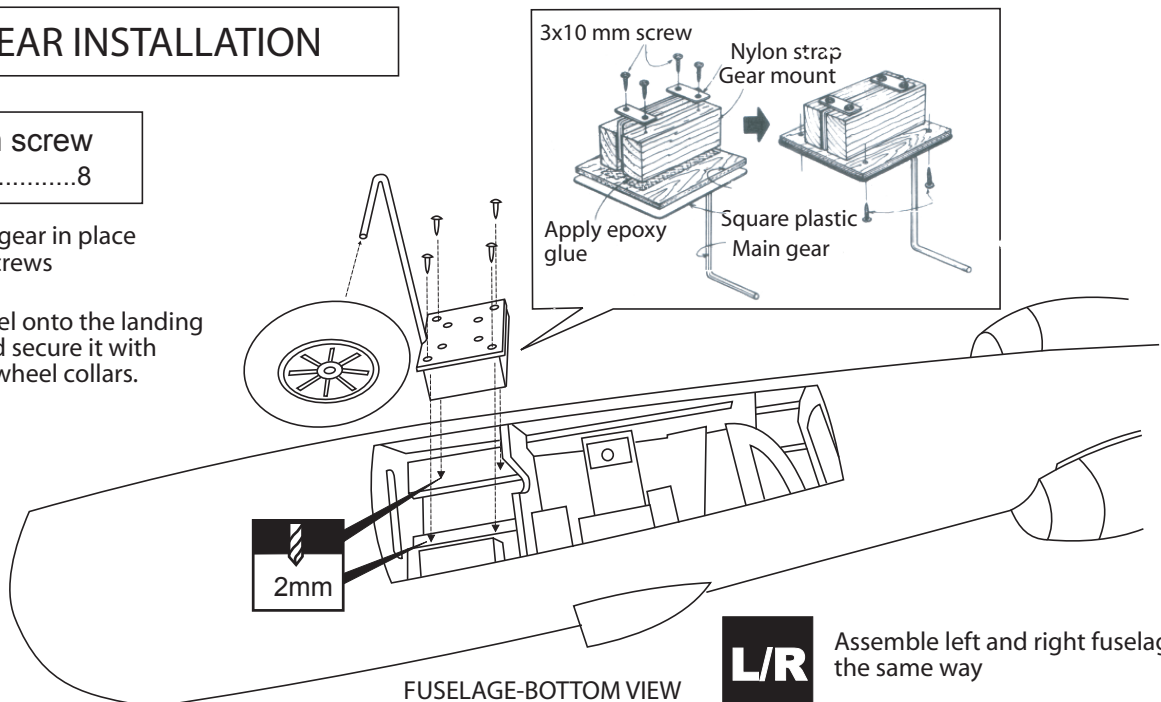
18- FIX GEAR INSTALLATION

3x12mm screw



Screw the fix gear in place using the 8 screws

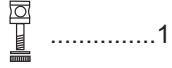
Slide the wheel onto the landing gear axles and secure it with the supplied wheel collars.



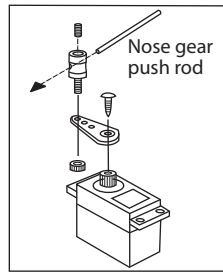
Assemble left and right fuselage the same way

21- SERVO AND AIR TANK INSTALLATION

Connecting rod



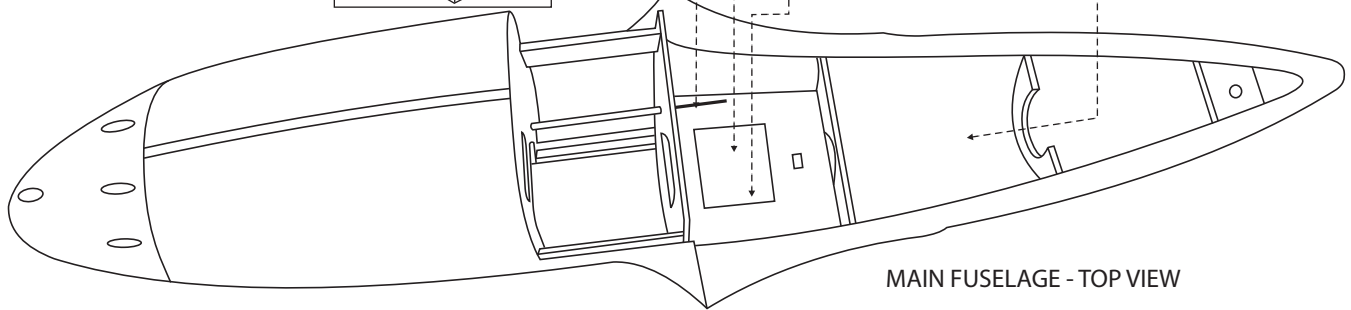
Screw the servos in place using the 8 screws which are include with the servos.



Nose wheel servo (Must be purchased separately)

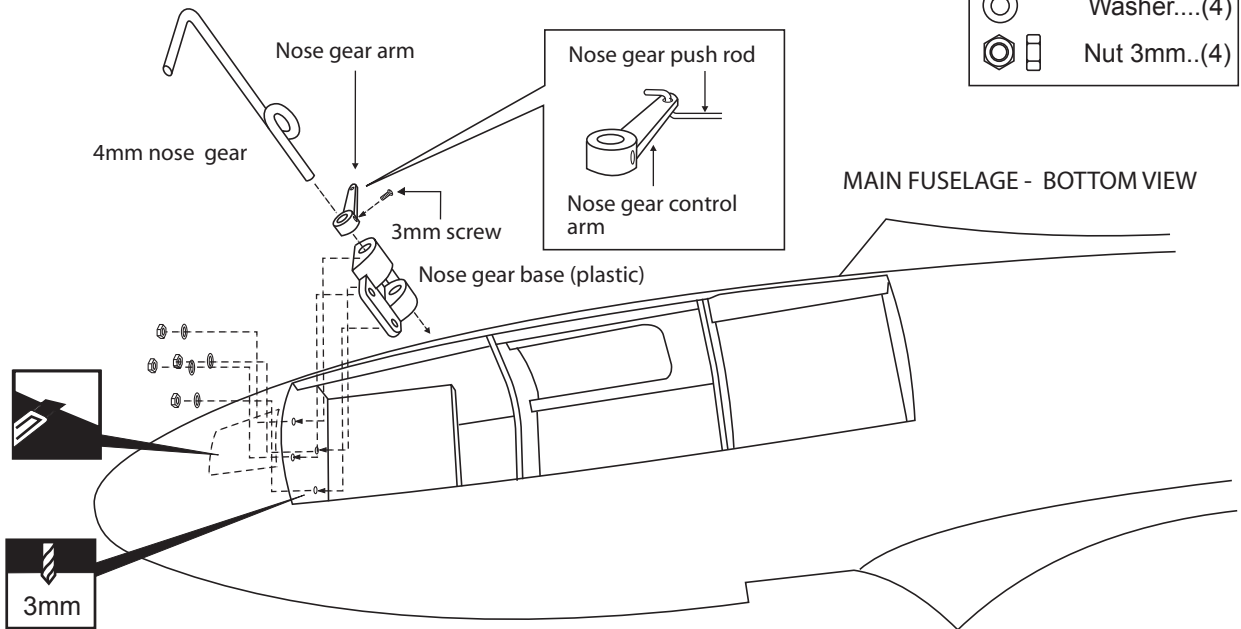


Nose gear push rod



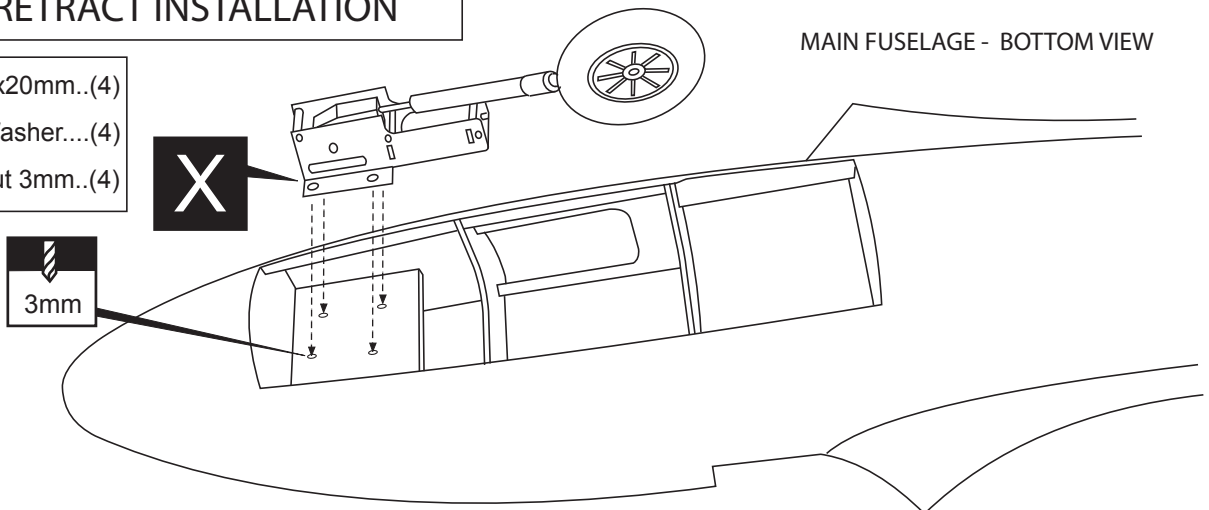
22- NOSE GEAR (FIX) INSTALLATION

- 3x20mm..(4)
- Washer....(4)
- Nut 3mm..(4)





23- AIR RETRACT INSTALLATION

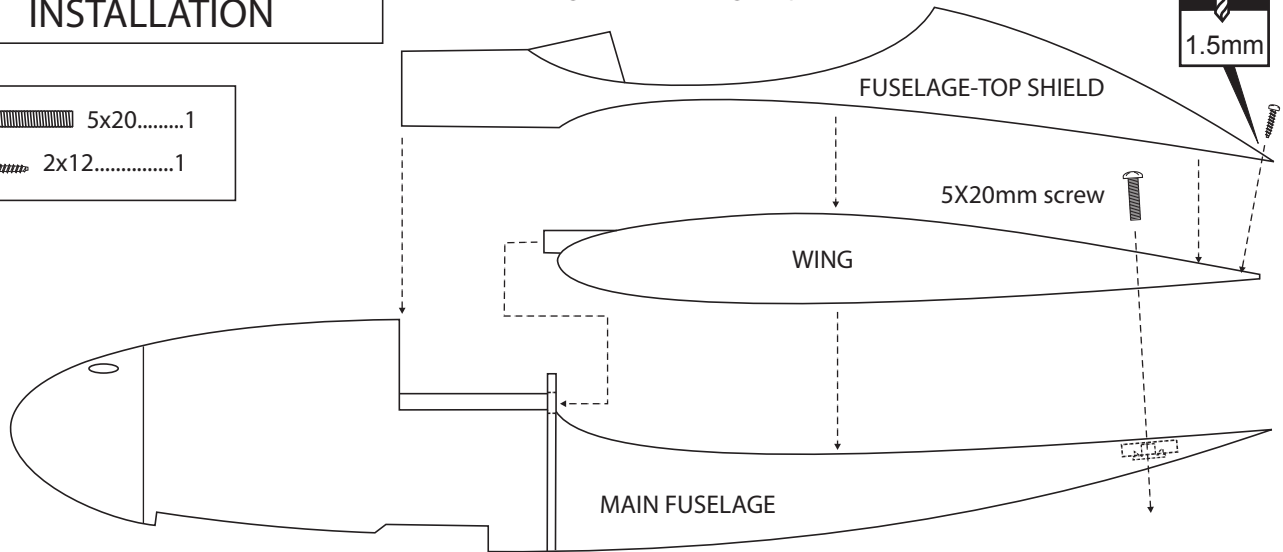
- 3x20mm..(4)
- Washer....(4)
- Nut 3mm..(4)



24- WING AND SHIELD INSTALLATION

Trial fit the fuselage-top shield onto the wing, If necessary, sand the edge of the fuselage-top shield until this is achieved.

-  5x20.....1
-  2x12.....1



25- HORIZONTAL STABILIZER INSTALLATION

LEFT FUSELAGE RIGHT FUSELAGE

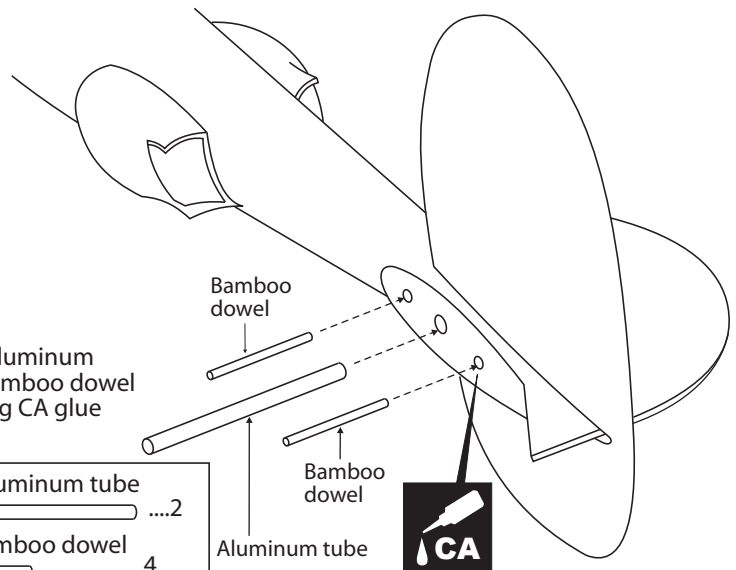
L/R

- 12.5mm
- 69mm
- 12.5mm

TOP-VIEW

Secure the aluminum tube and bamboo dowel in place using CA glue

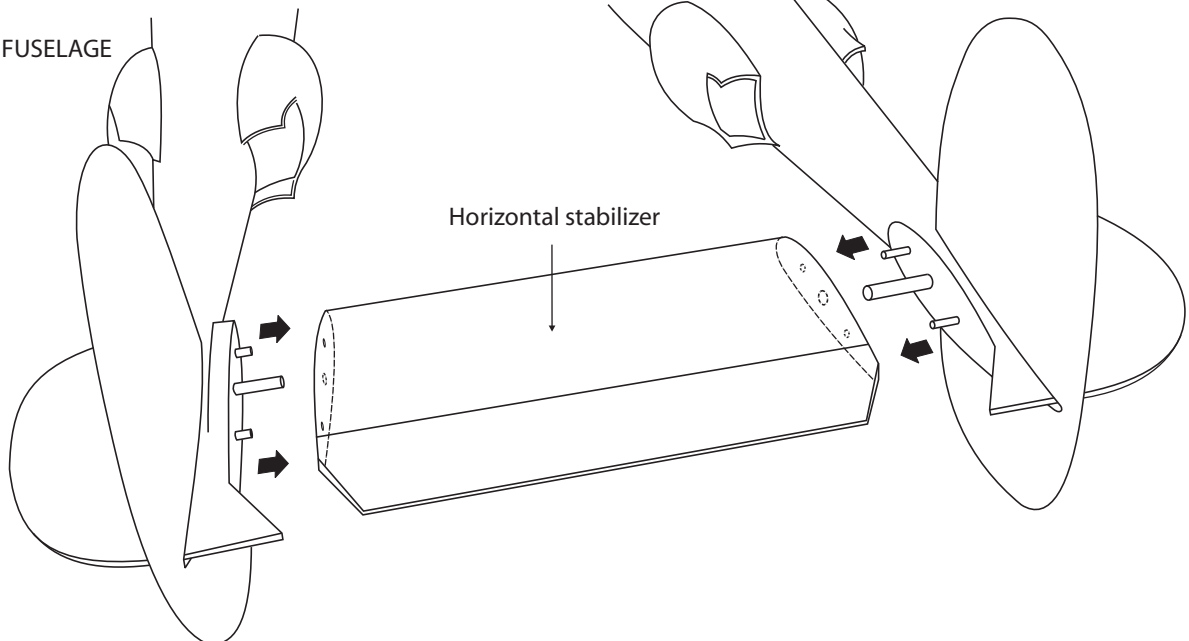
- 120mm aluminum tube2
- 60mm bamboo dowel4



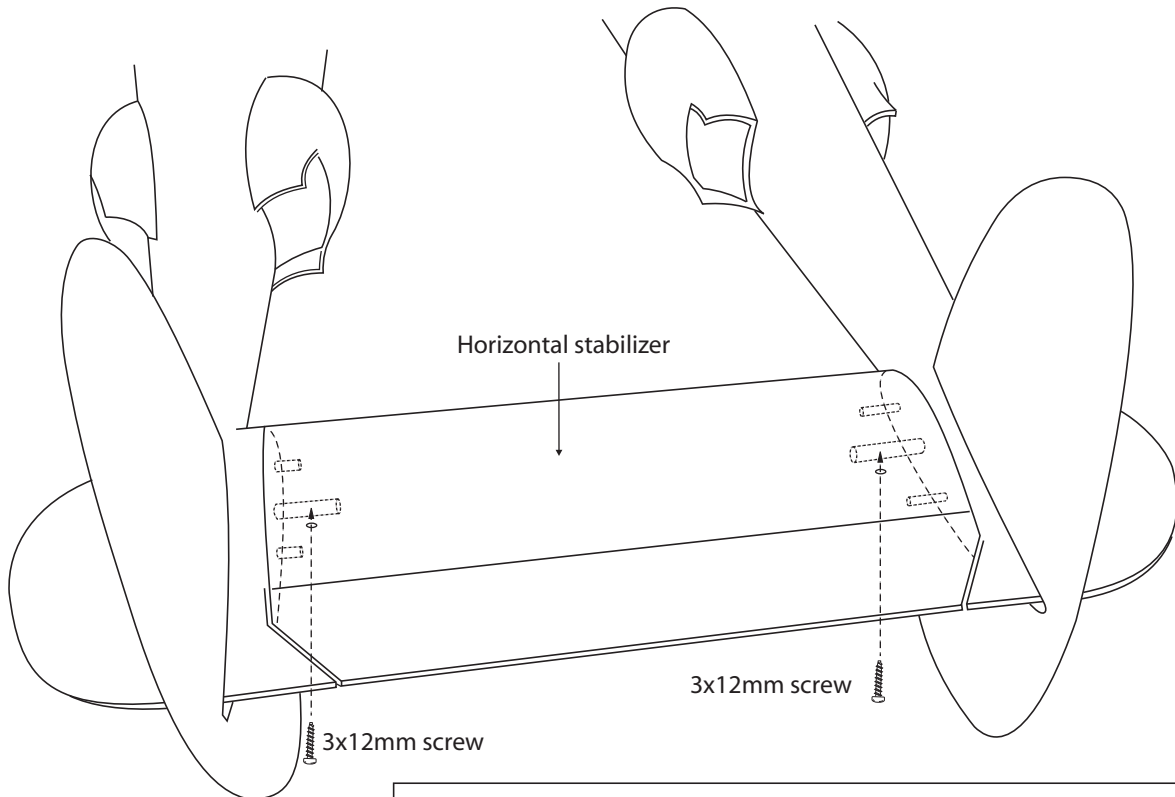
26- HORIZONTAL STABILIZER INSTALLATION Continued

LEFT FUSELAGE

RIGHT FUSELAGE




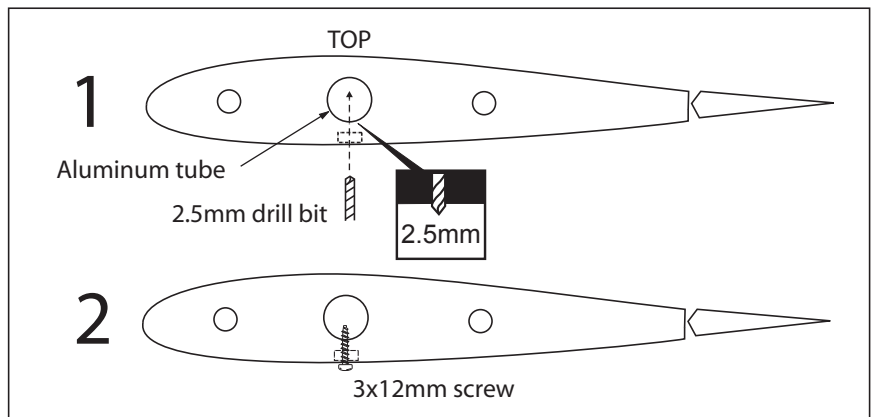
27- HORIZONTAL STABILIZER INSTALLATION Continued



CAUTION: Two holes on the bottom surface of the horizontal are drilled at factory

3x12mm screw

2



28- WING/LEFT AND RIGHT FUSELAGE INSTALLATION

6x40 Nylon bolt

4

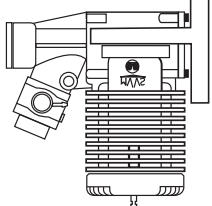
Dowel

TOP

WING

6x40 Nylon bolt

RIGHT / LEFT FUSELAGE

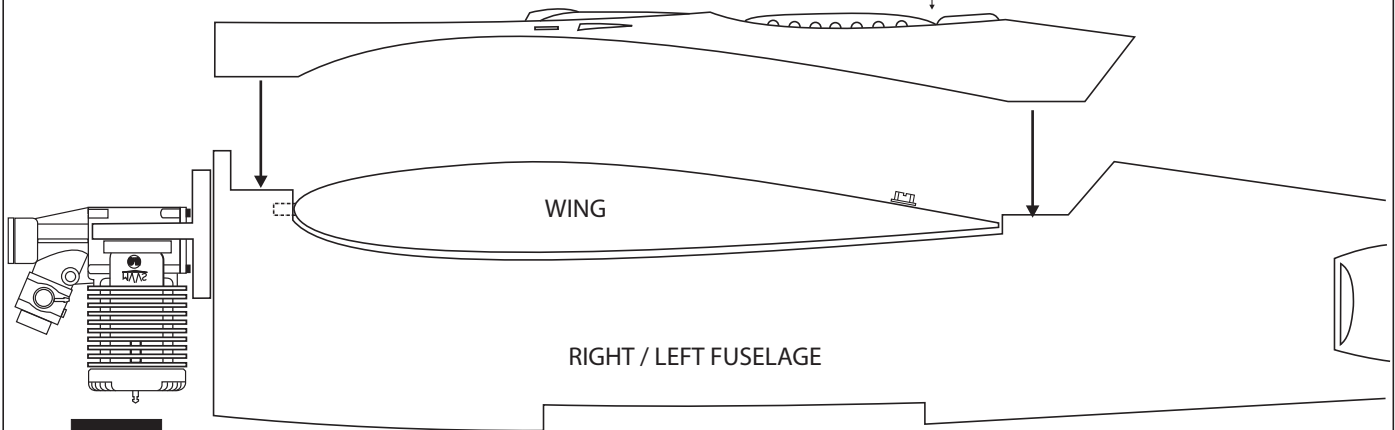


L/R

Assemble left and right fuselage
the same way

29- FIBRE GLASS SHIELD INSTALLATION

RIGHT / LEFT FIBRE GLASS FUSELAGE TOP SHIELD



L/R

Assemble left and right fuselage the same way

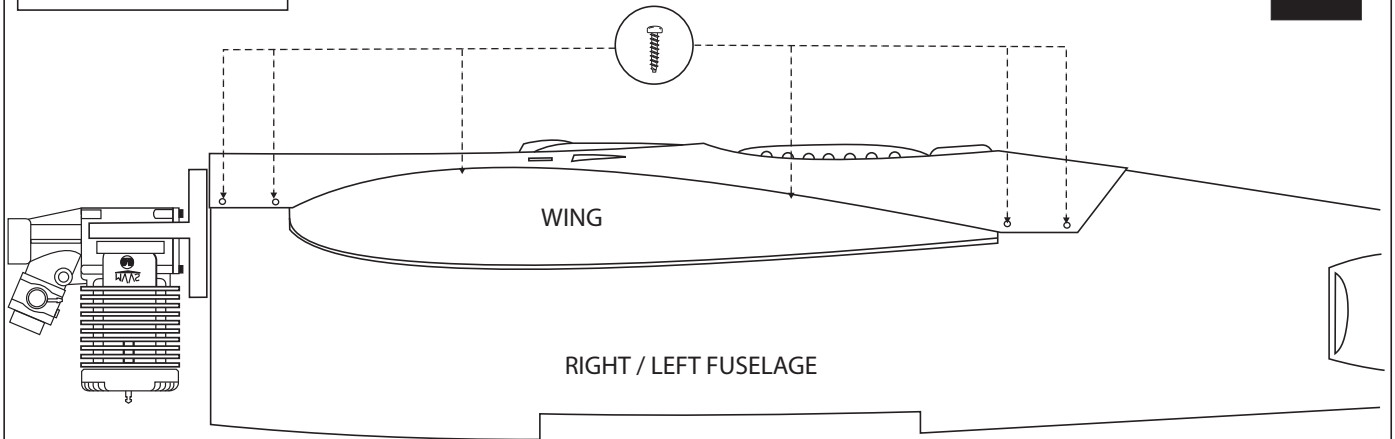
Trial fit the fuselage-top shield onto the wing, If necessary, sand the edge of the fuselage-top shield until this is achieved.

30- FIBRE GLASS SHIELD INSTALLATION Continued

Assemble left and right fuselage the same way

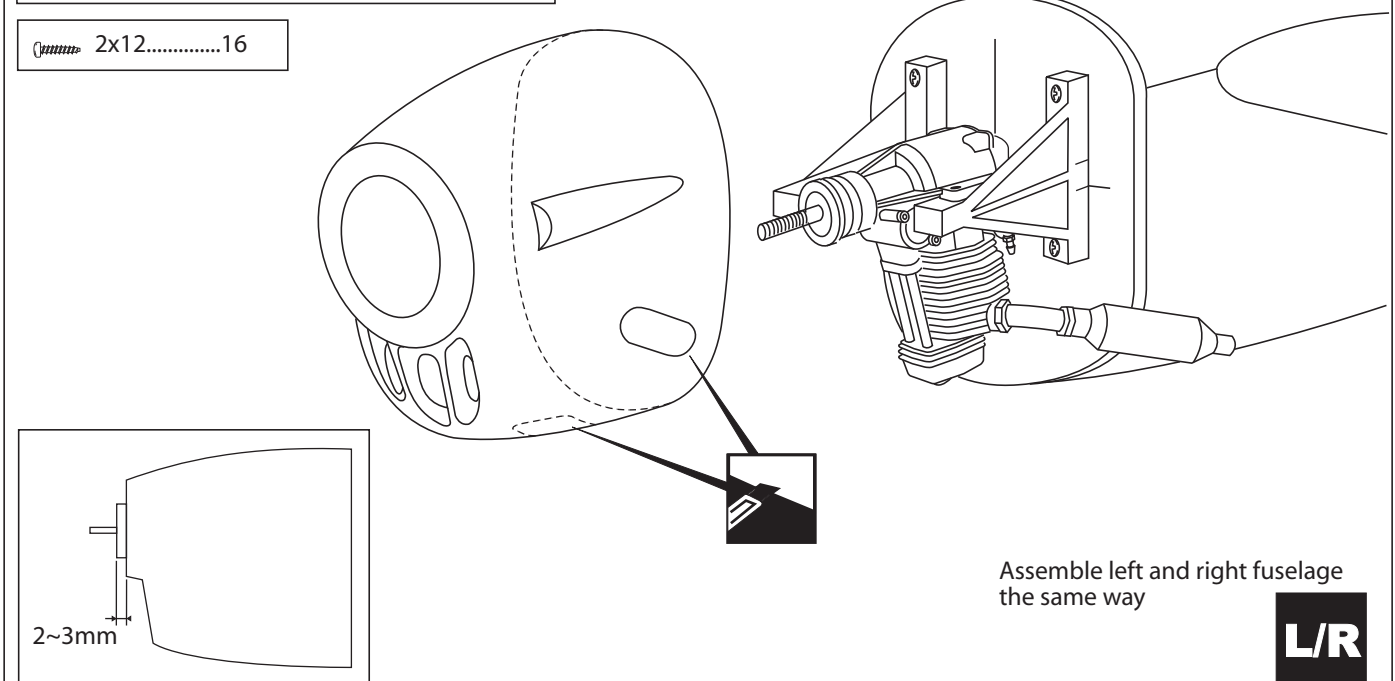
L/R

2x12.....16



31- COWLING INSTALLATION

2x12.....16



Assemble left and right fuselage the same way

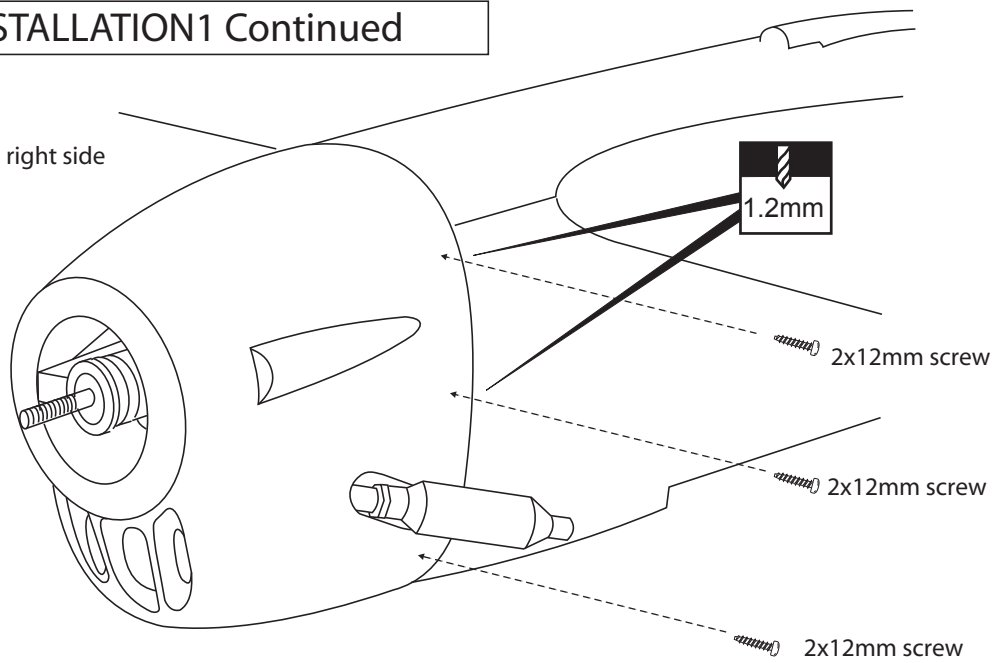
L/R

32- COWLING INSTALLATION1 Continued

2x12.....12

L/R

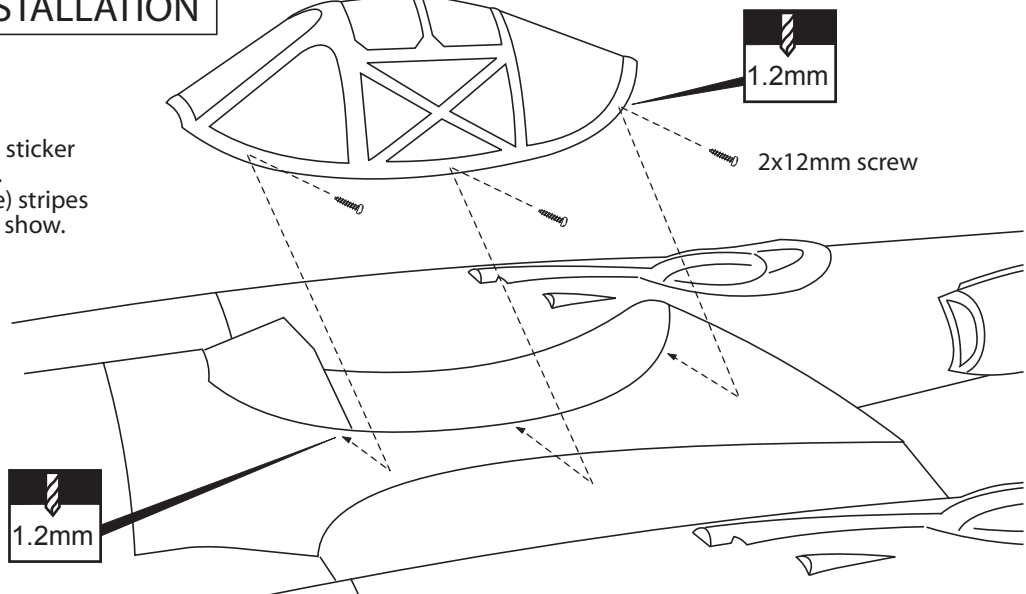
Assemble left and right side
the same way



33- CANOPY INSTALLATION

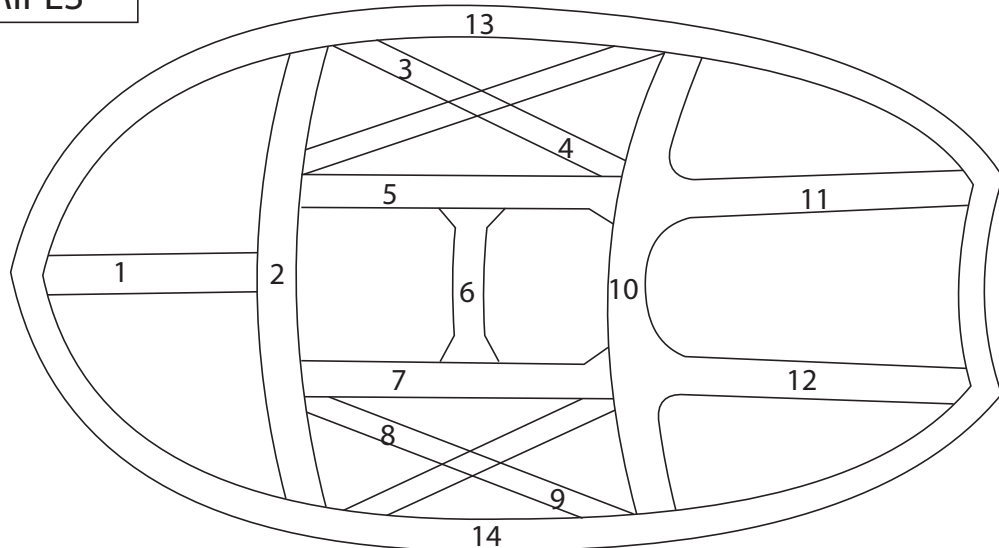
2x12.....6

Apply instrument panel sticker
and pilot to the cockpit.
Apply the gray (or white) stripes
for the canopy frame as show.

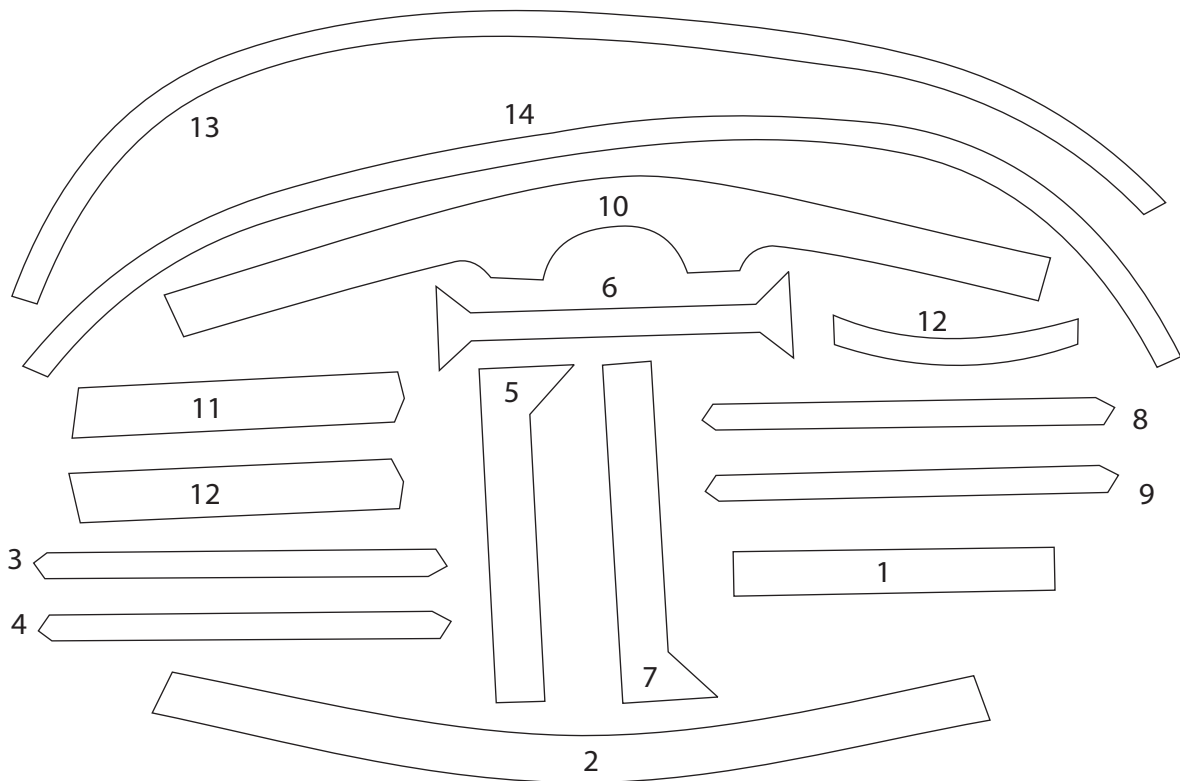


34- CANOPY STRIPES

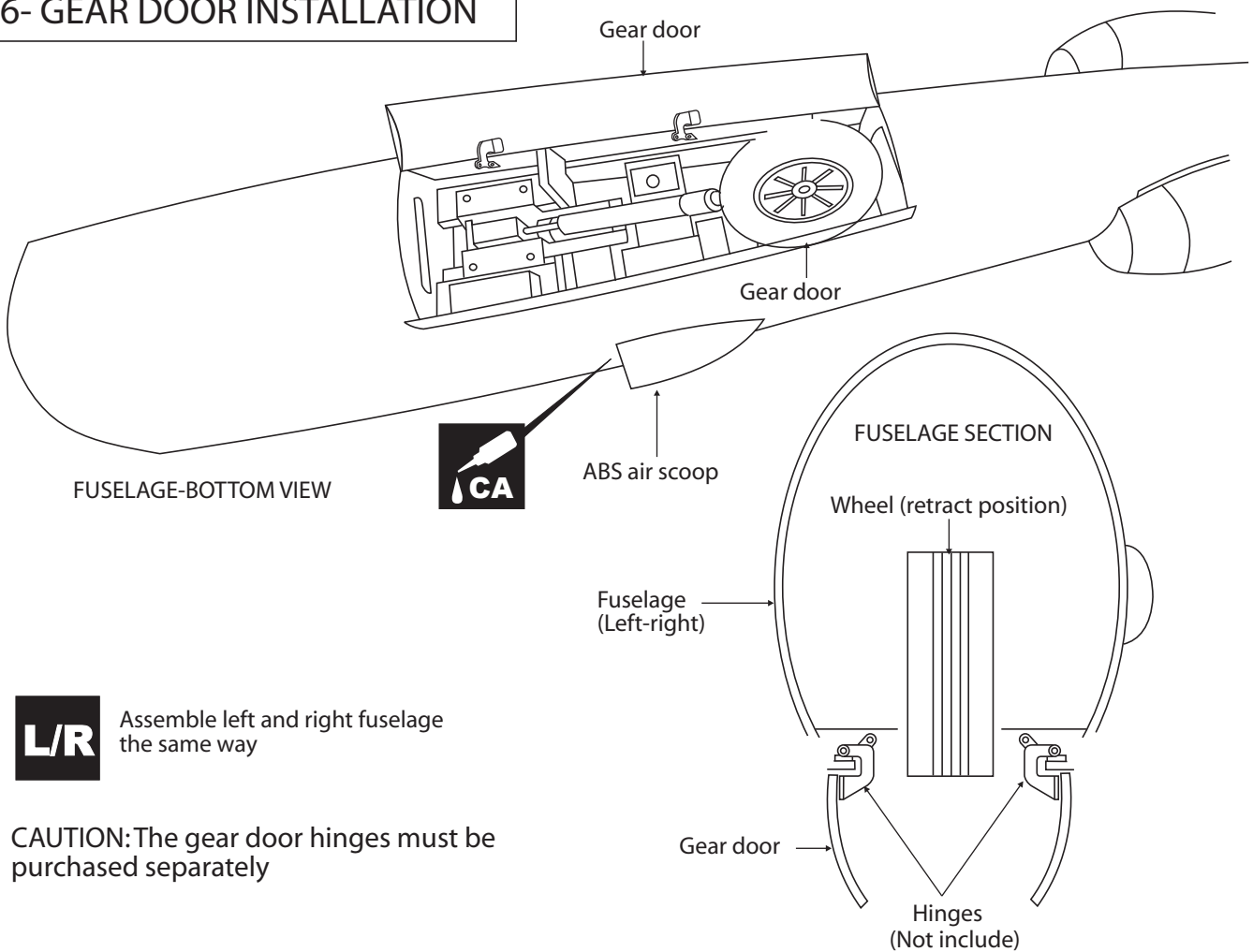
Apply the canopy frame
sticker is easy to put them
on according with
the number



35- CANOPY STRIPES Continued



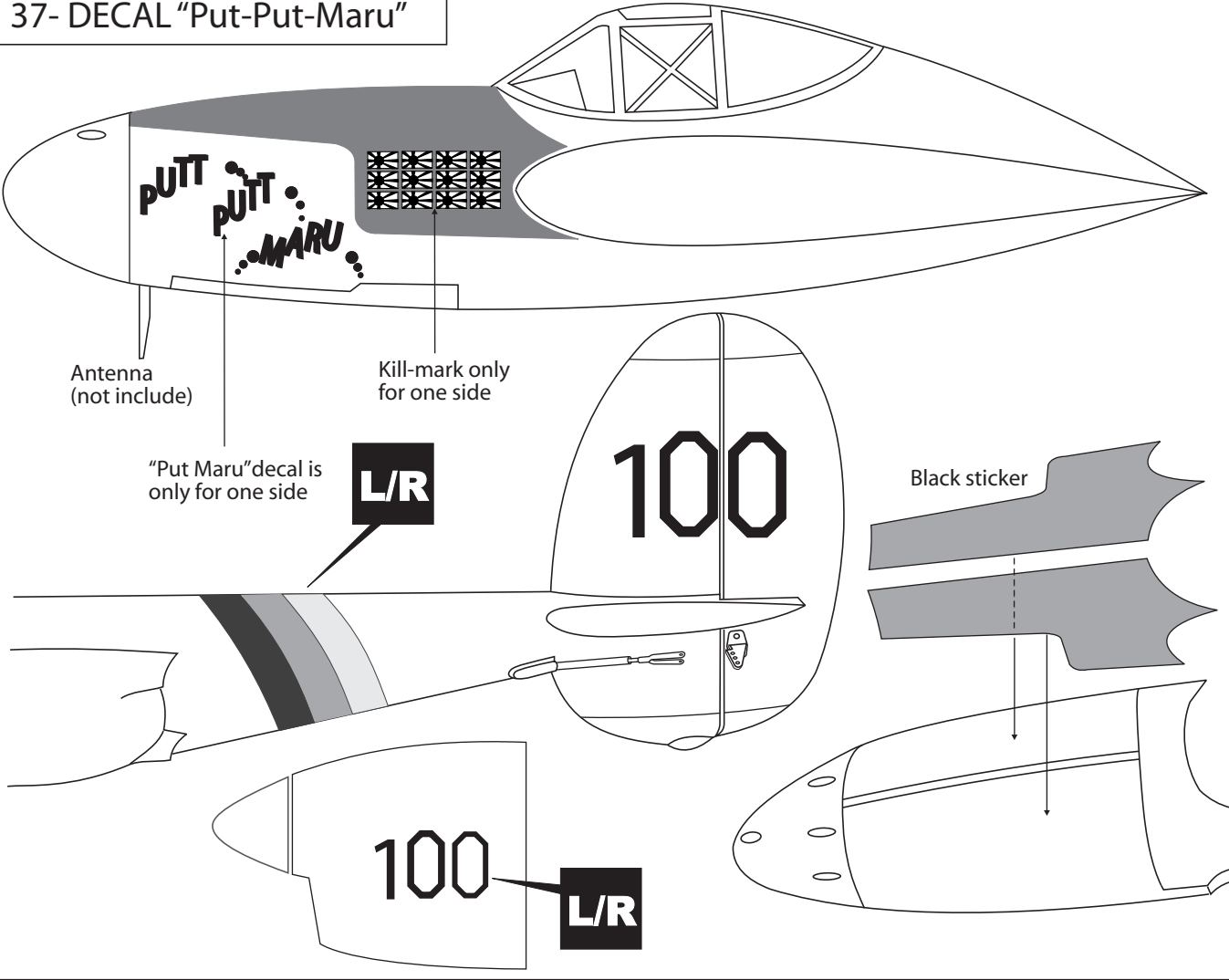
36- GEAR DOOR INSTALLATION



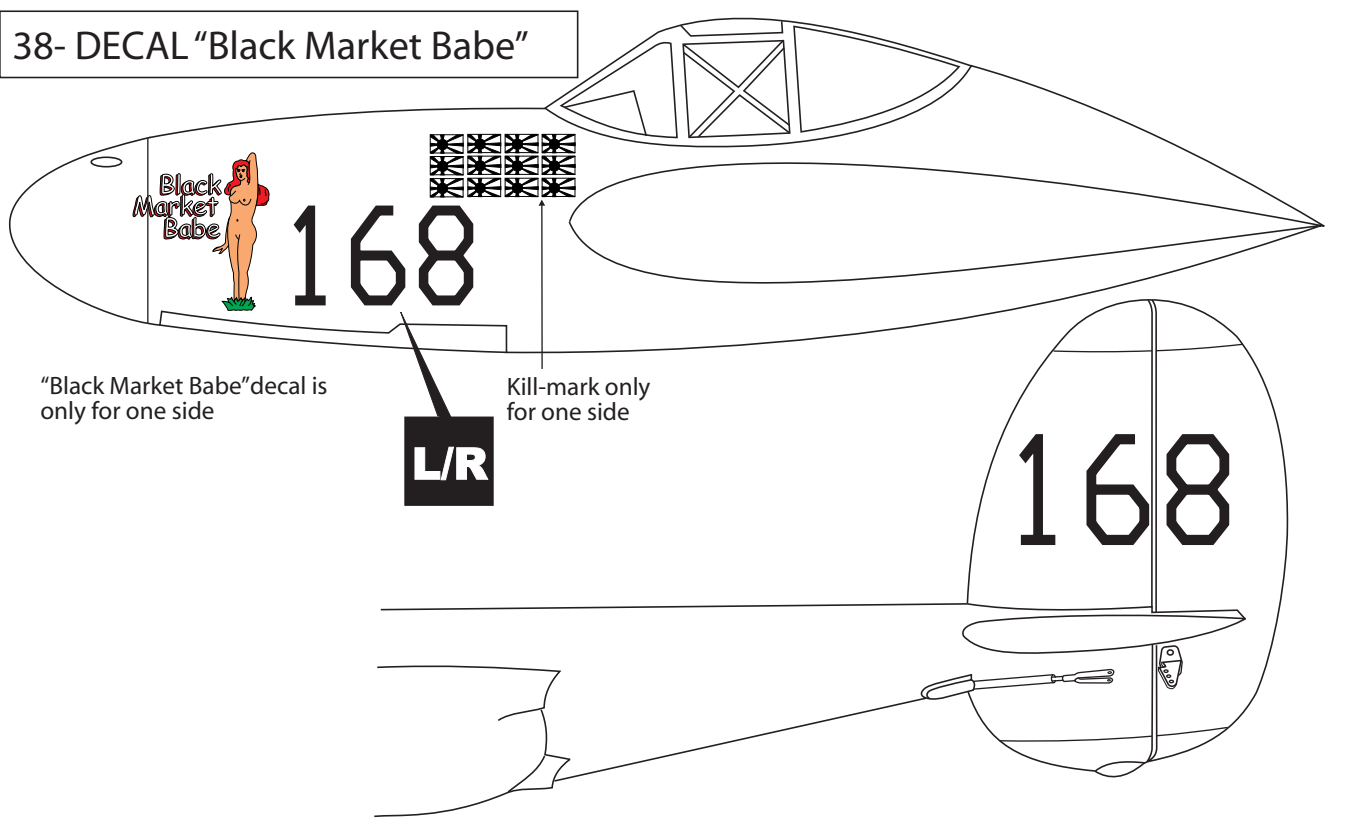
Assemble left and right fuselage the same way

CAUTION: The gear door hinges must be purchased separately

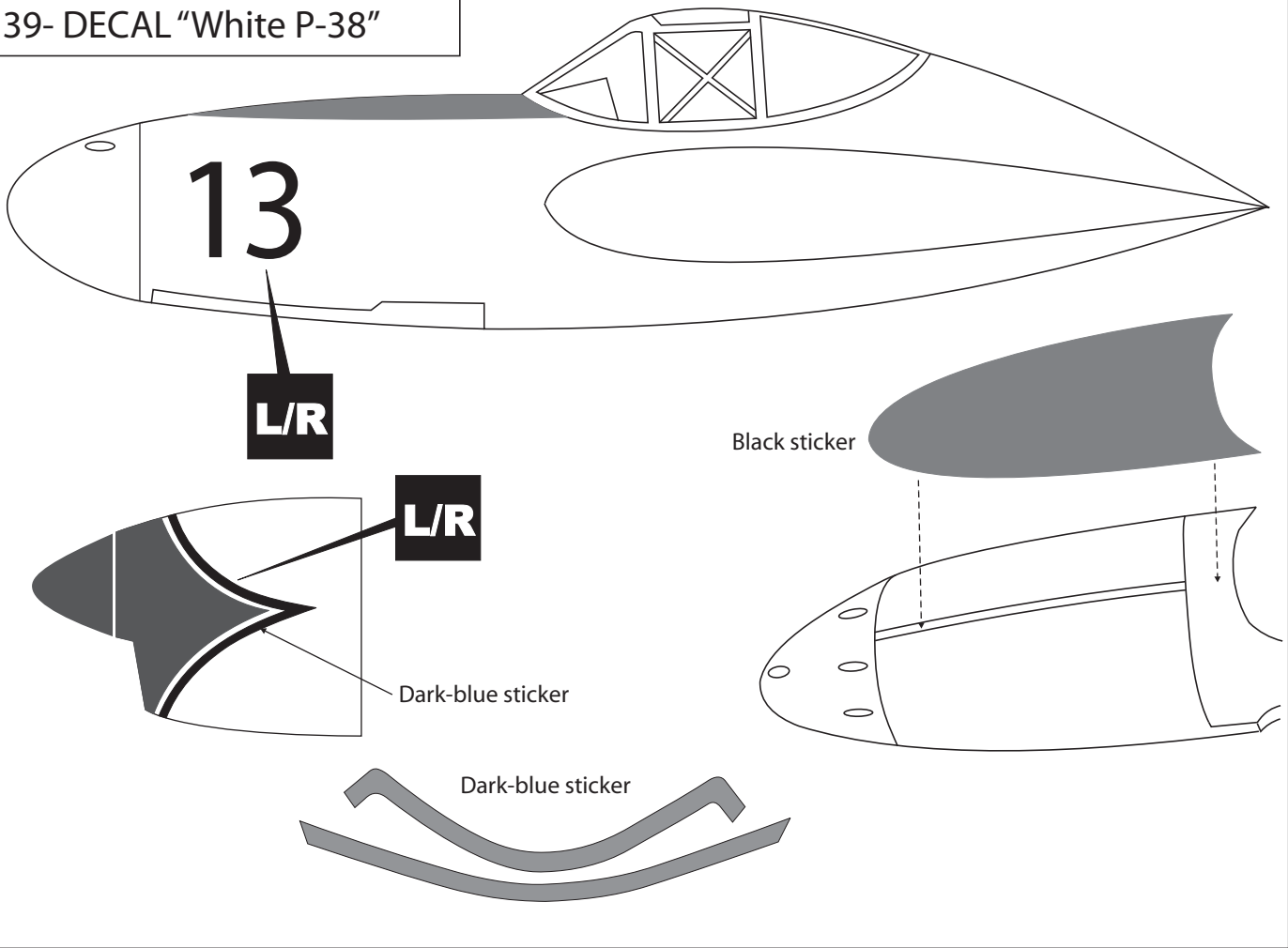
37- DECAL "Put-Put-Maru"



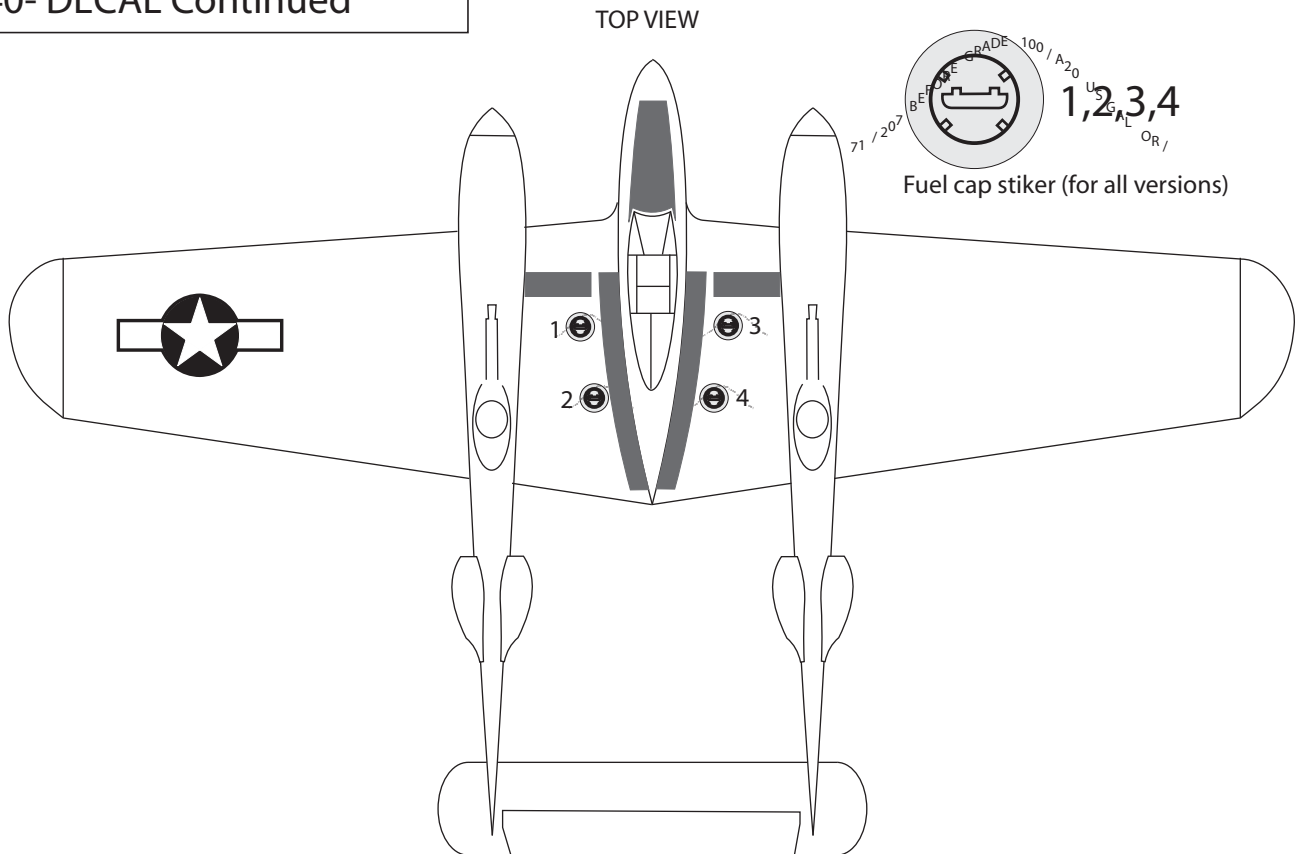
38- DECAL "Black Market Babe"



39- DECAL "White P-38"

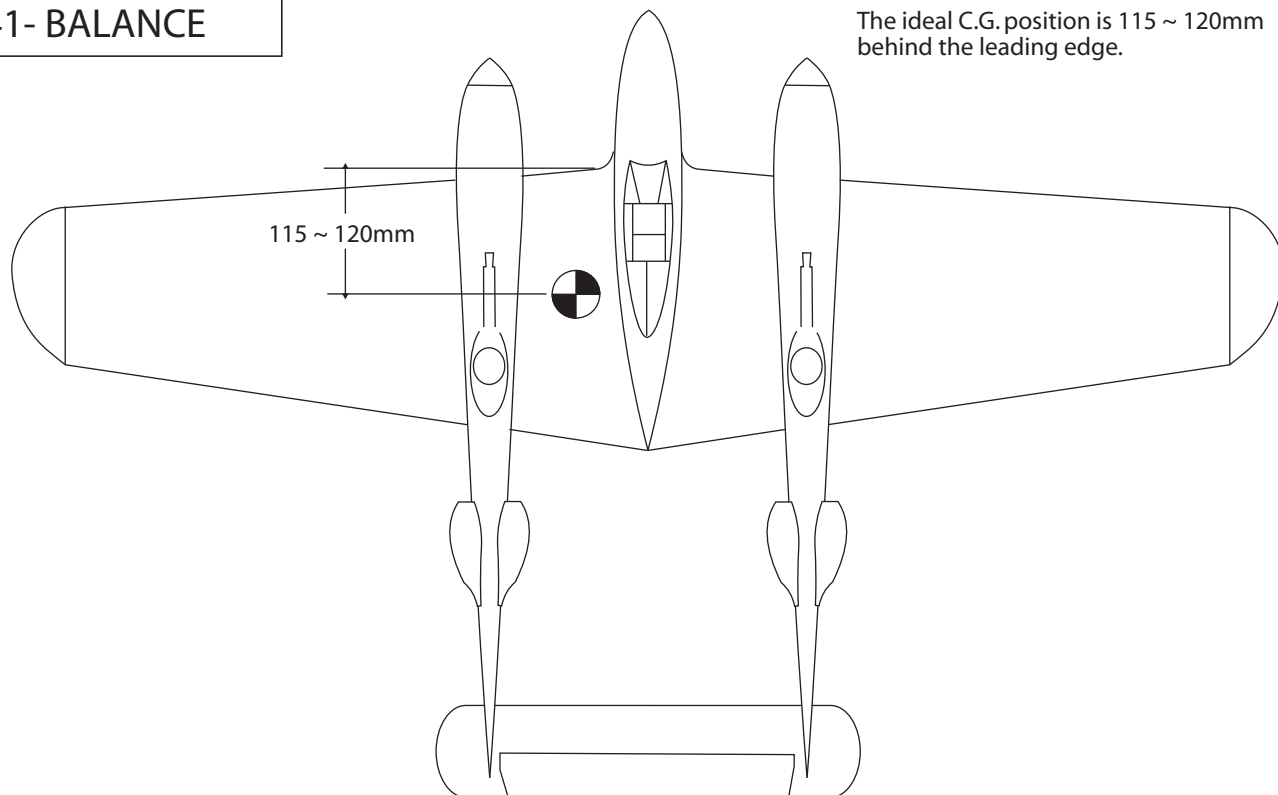


40- DECAL Continued



41- BALANCE

The ideal C.G. position is 115 ~ 120mm behind the leading edge.



WARNING: Never fly before checking the Cg's required position.

42- CONTROL RANGES

Adjust the travel of each control surface to the values in the diagrams. These values fit general flight capabilities. Readjust according to your needs and flight level.

