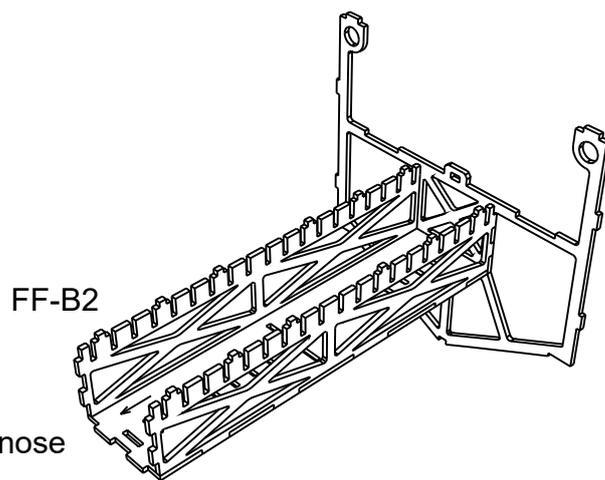
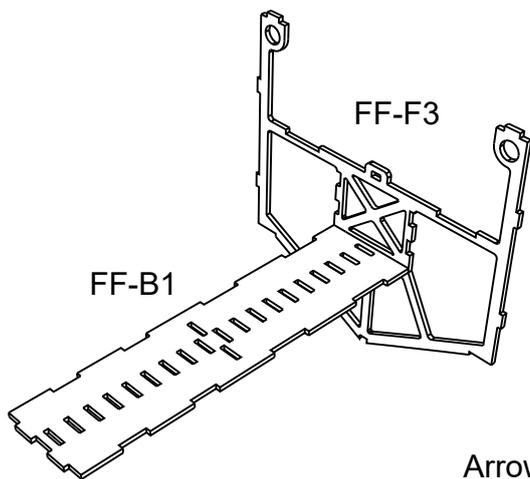
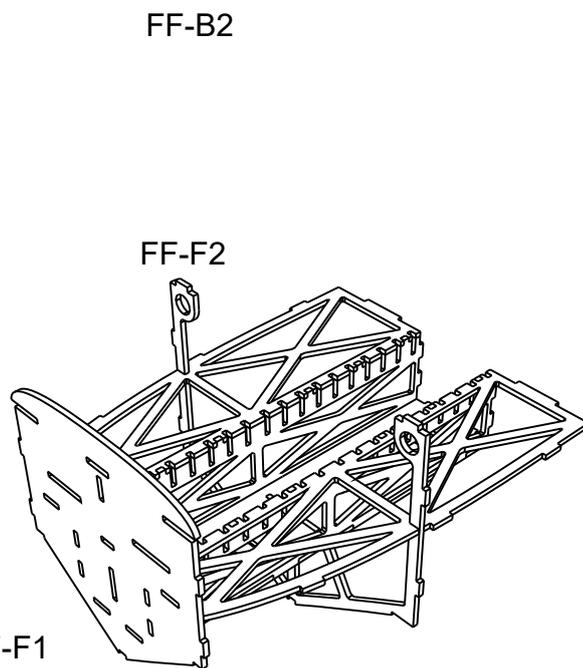
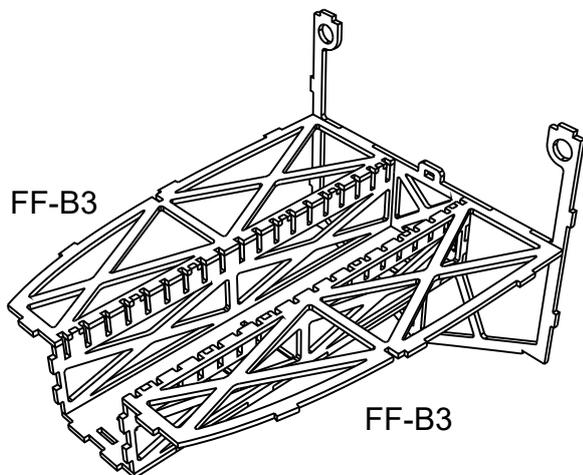


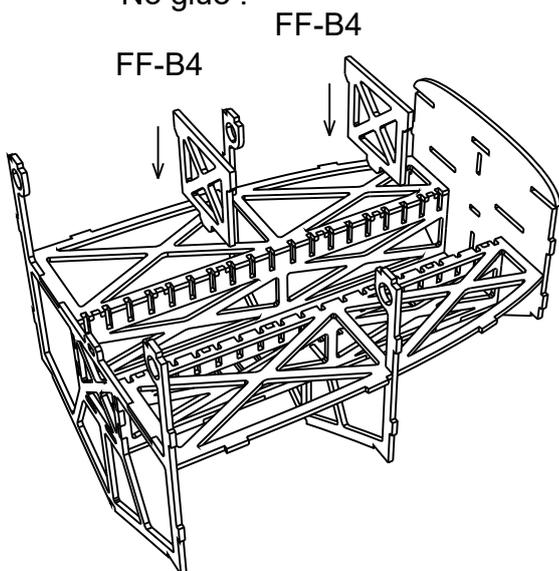
Battery tray sub assembly



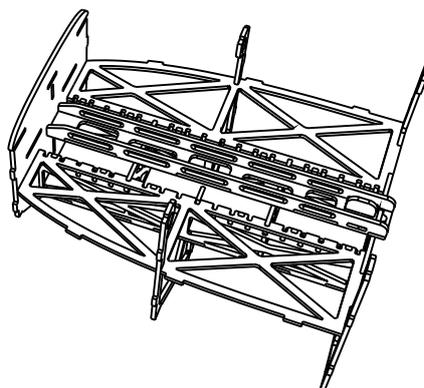
Arrow points toward nose

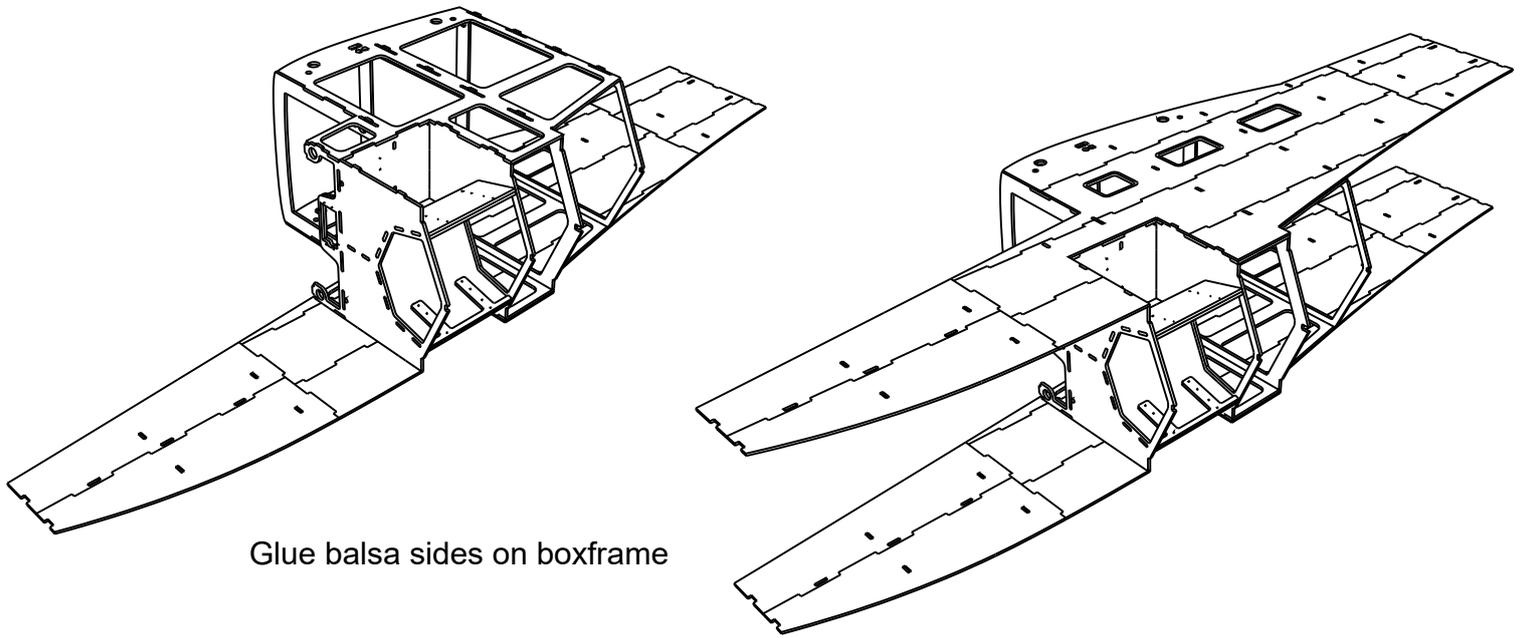


No glue !

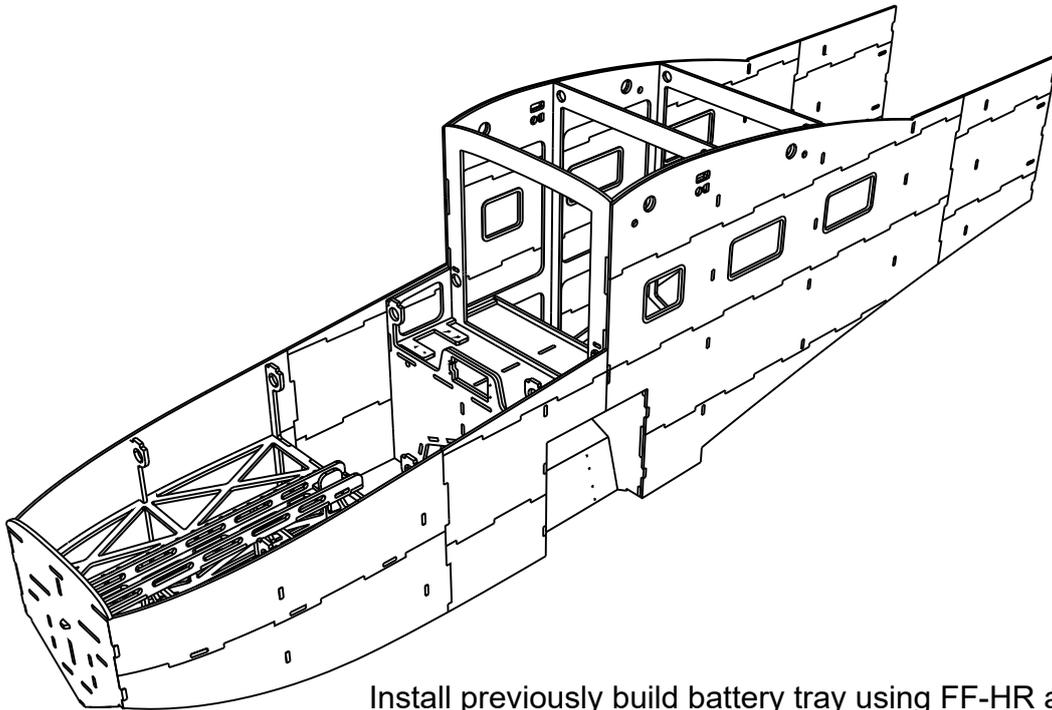


Battery lock operation

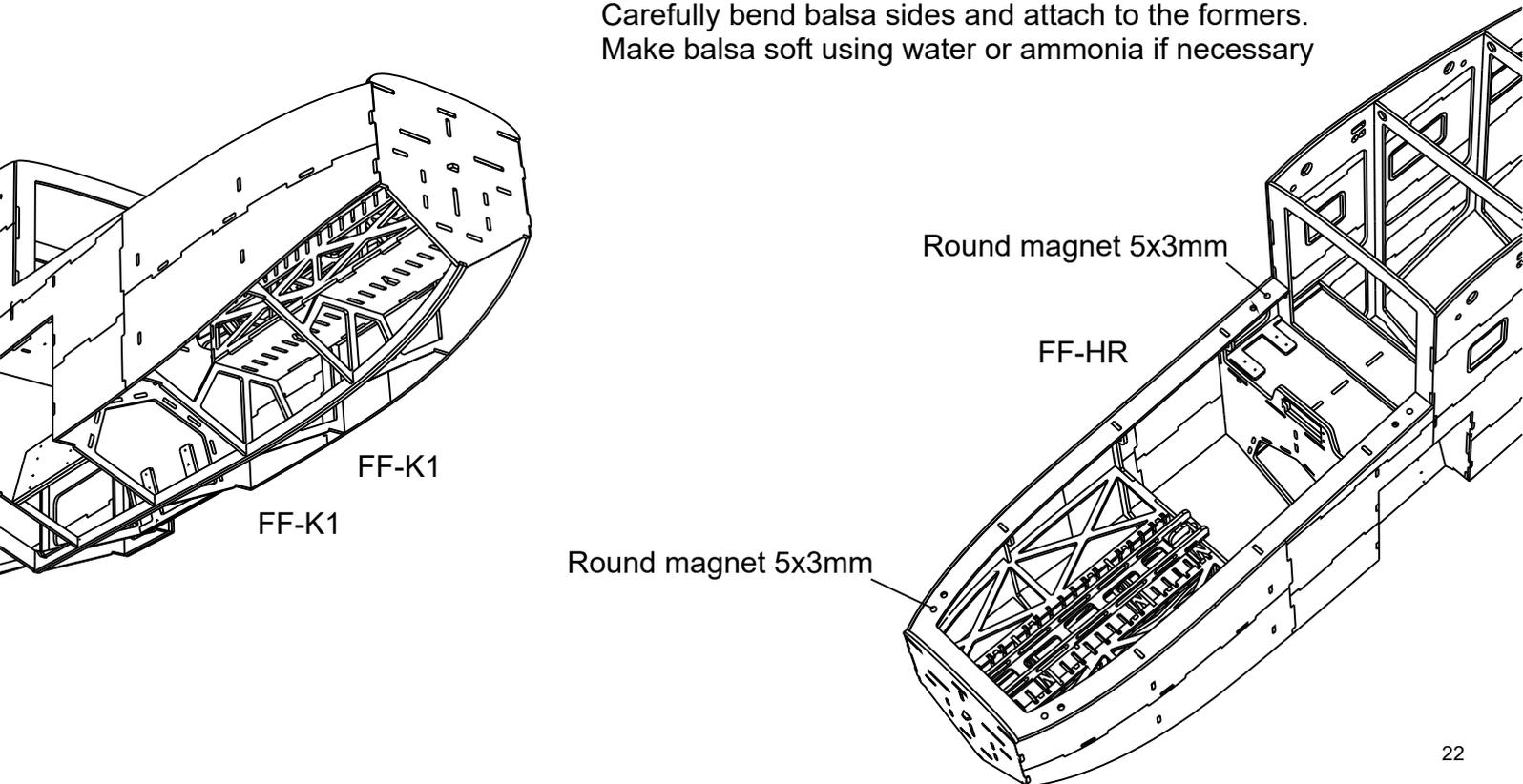




Glue balsa sides on boxframe



Install previously build battery tray using FF-HR and FF-K1.  
Carefully bend balsa sides and attach to the formers.  
Make balsa soft using water or ammonia if necessary



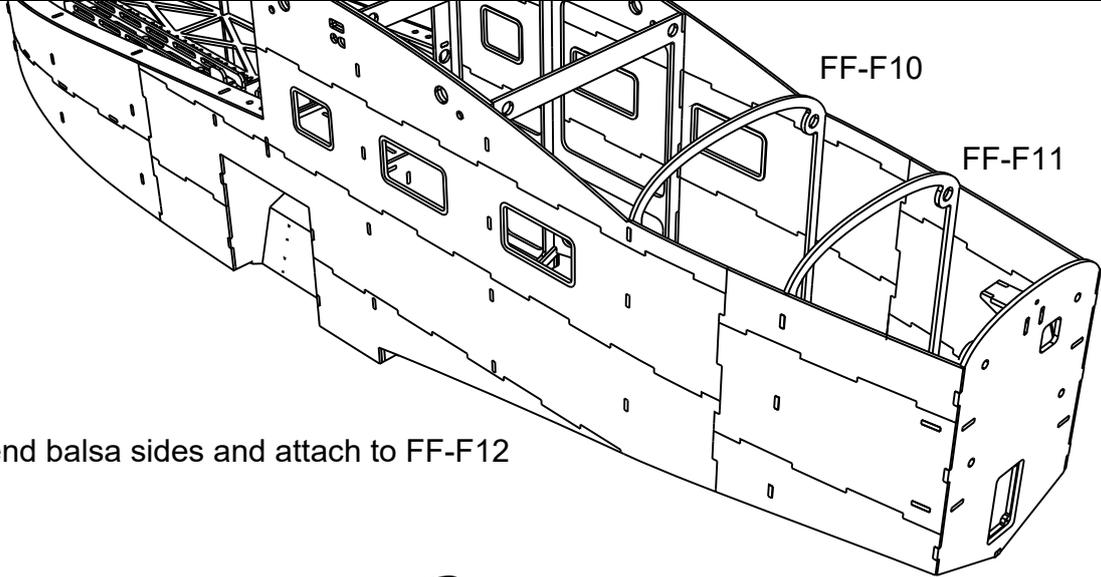
FF-K1

FF-K1

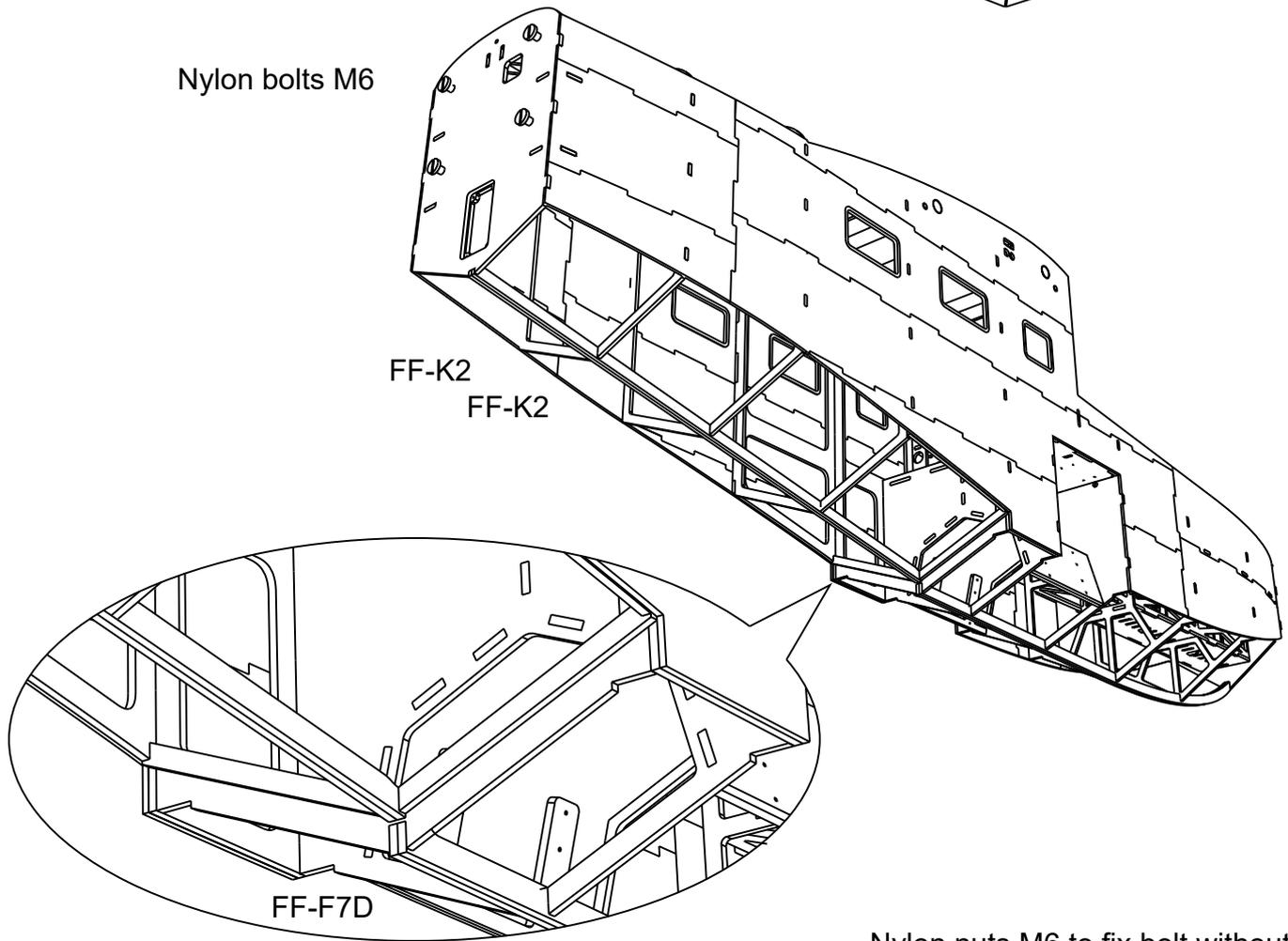
Round magnet 5x3mm

FF-HR

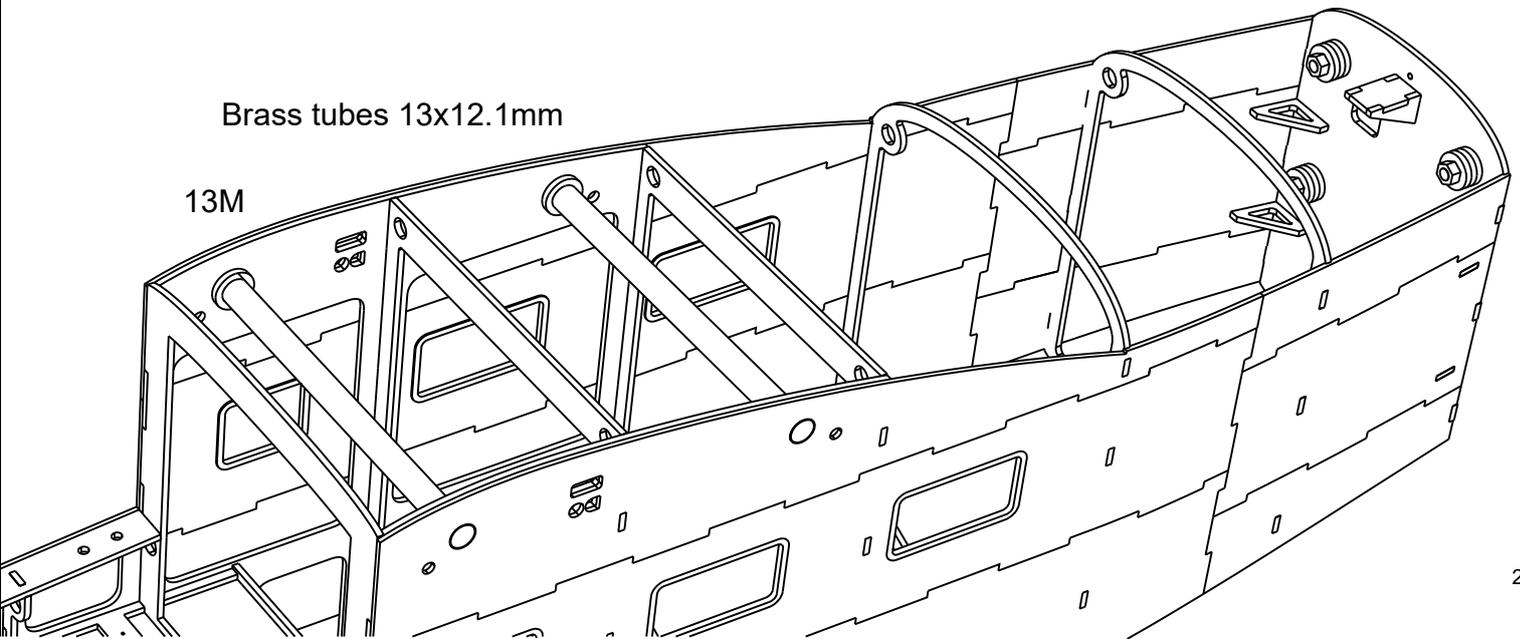
Round magnet 5x3mm



Carefully bend balsa sides and attach to FF-F12

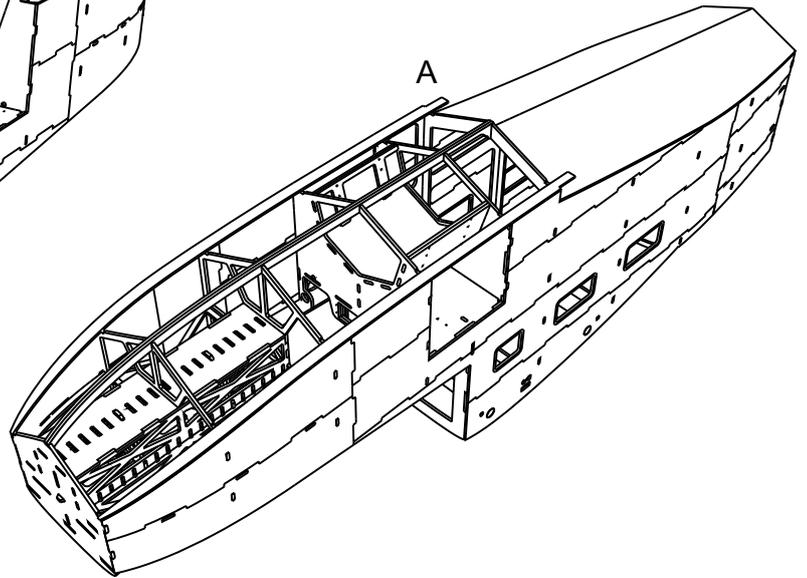
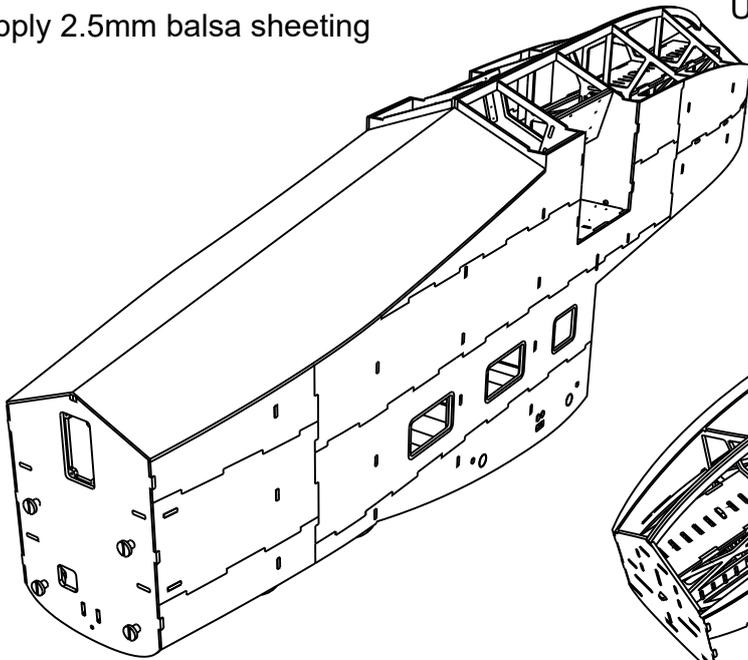


Nylon nuts M6 to fix bolt without slob

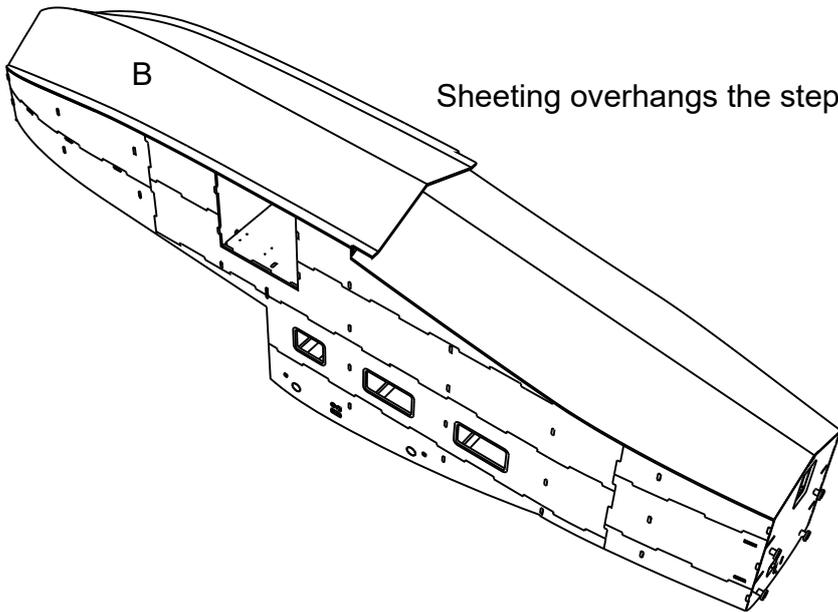


Apply 2.5mm balsa sheeting

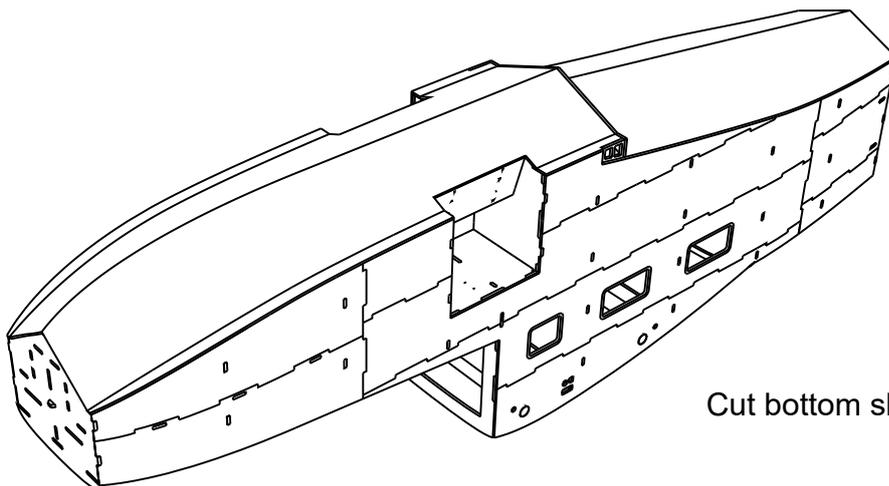
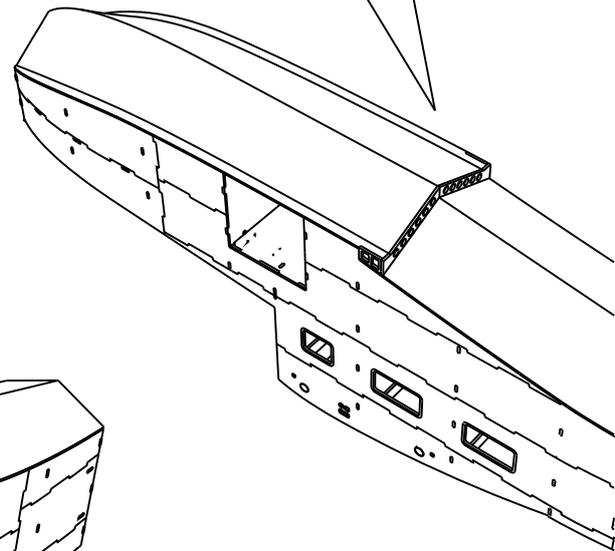
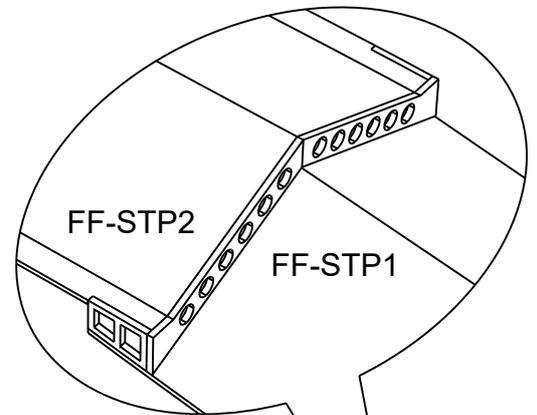
Use template A to make 2.5mm balsa chine sheeting



Use template B to make 2.5mm balsa sheeting

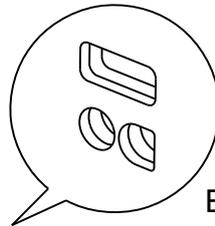


Sheeting overhangs the step!



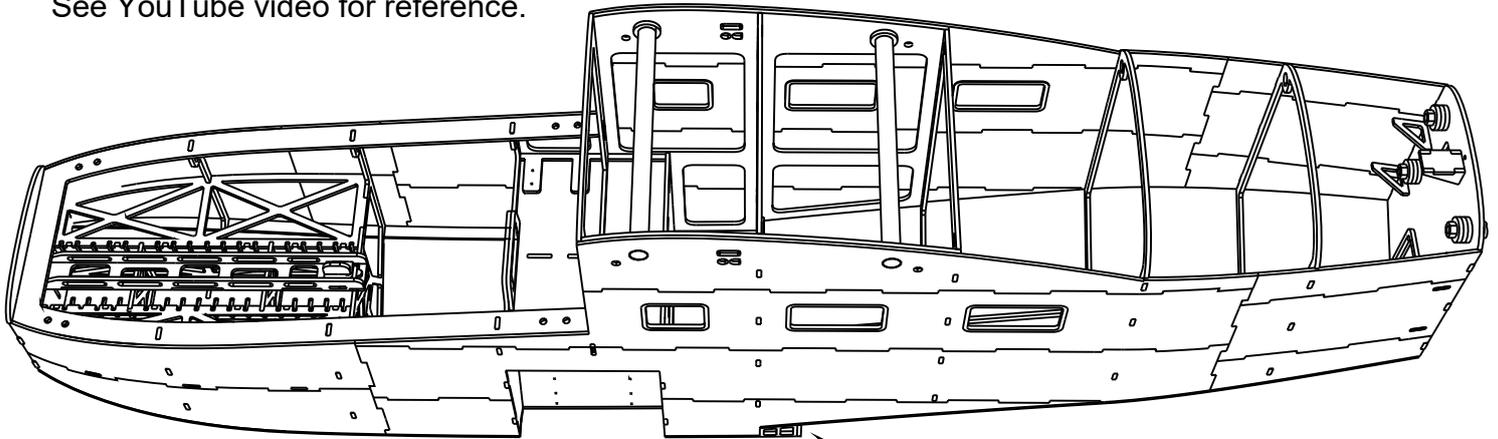
Cut bottom sheeting to open wheelbays

At this point waterproof the inside of fuselage and install wiring, receiver and ubec.

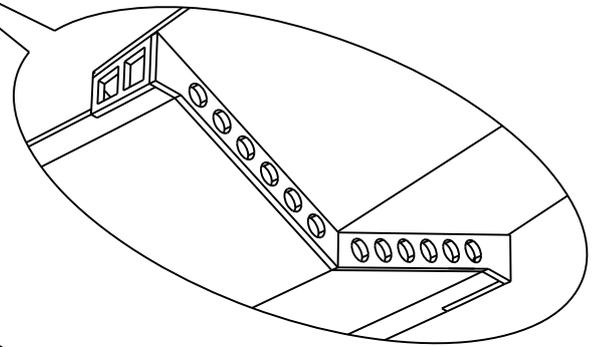


EC3 connector and MPX connector fit here

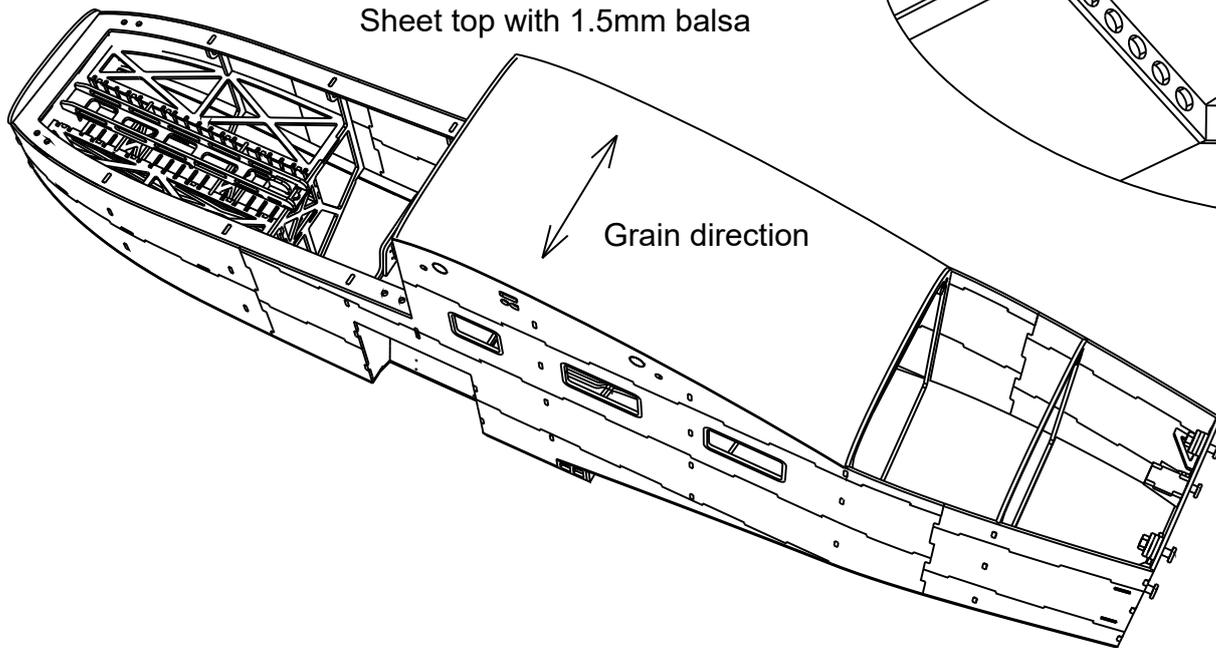
See YouTube video for reference.



Waterproof the step vent system multiple layers!!



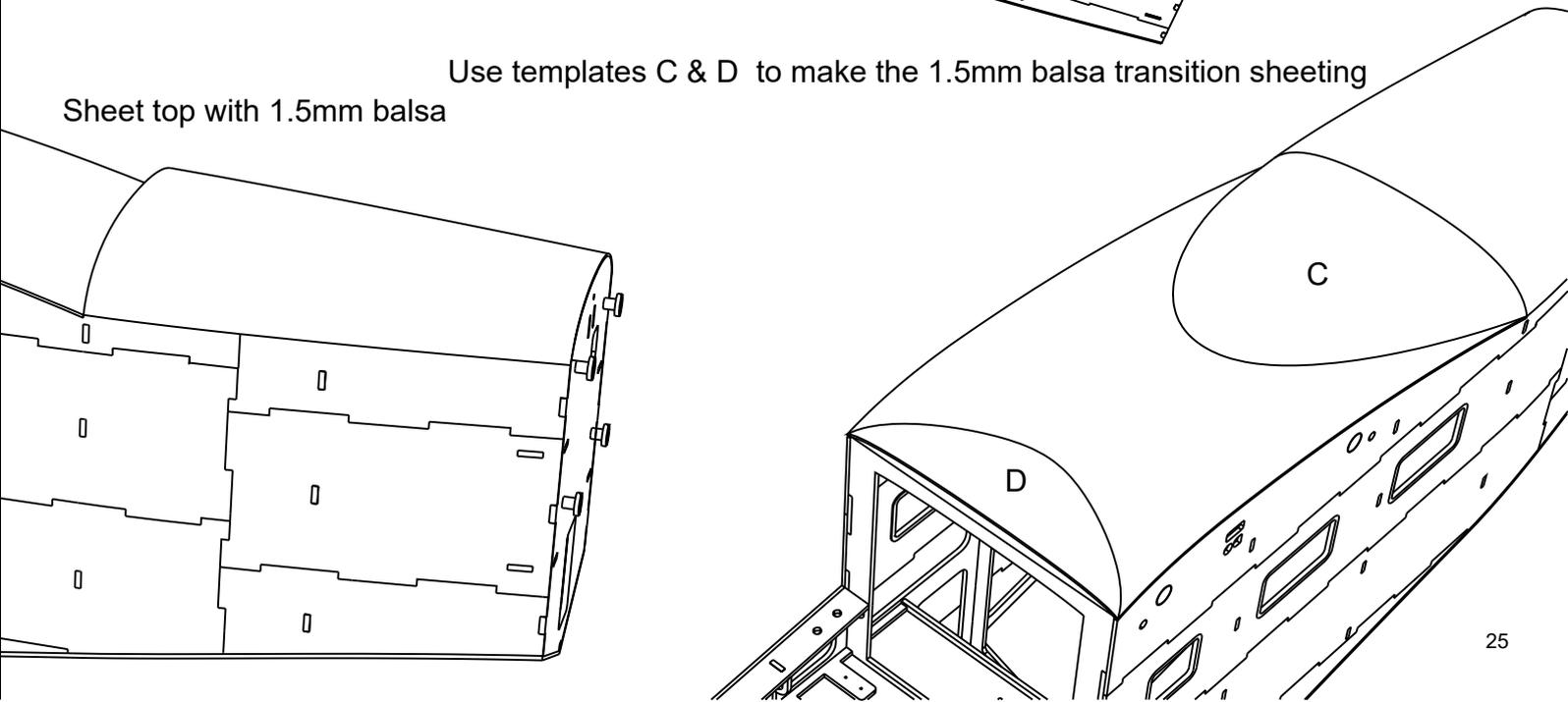
Sheet top with 1.5mm balsa



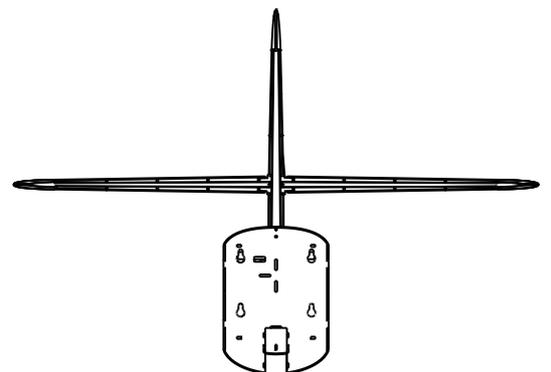
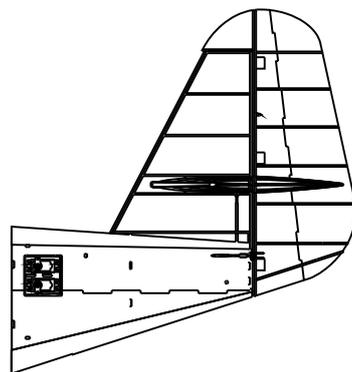
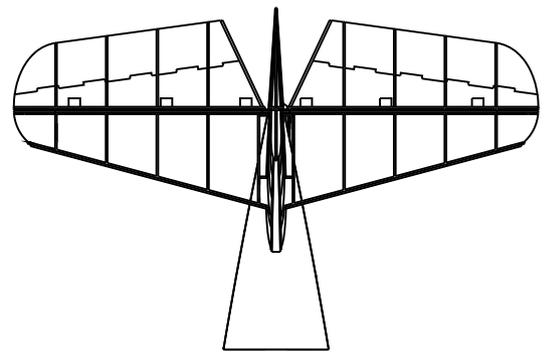
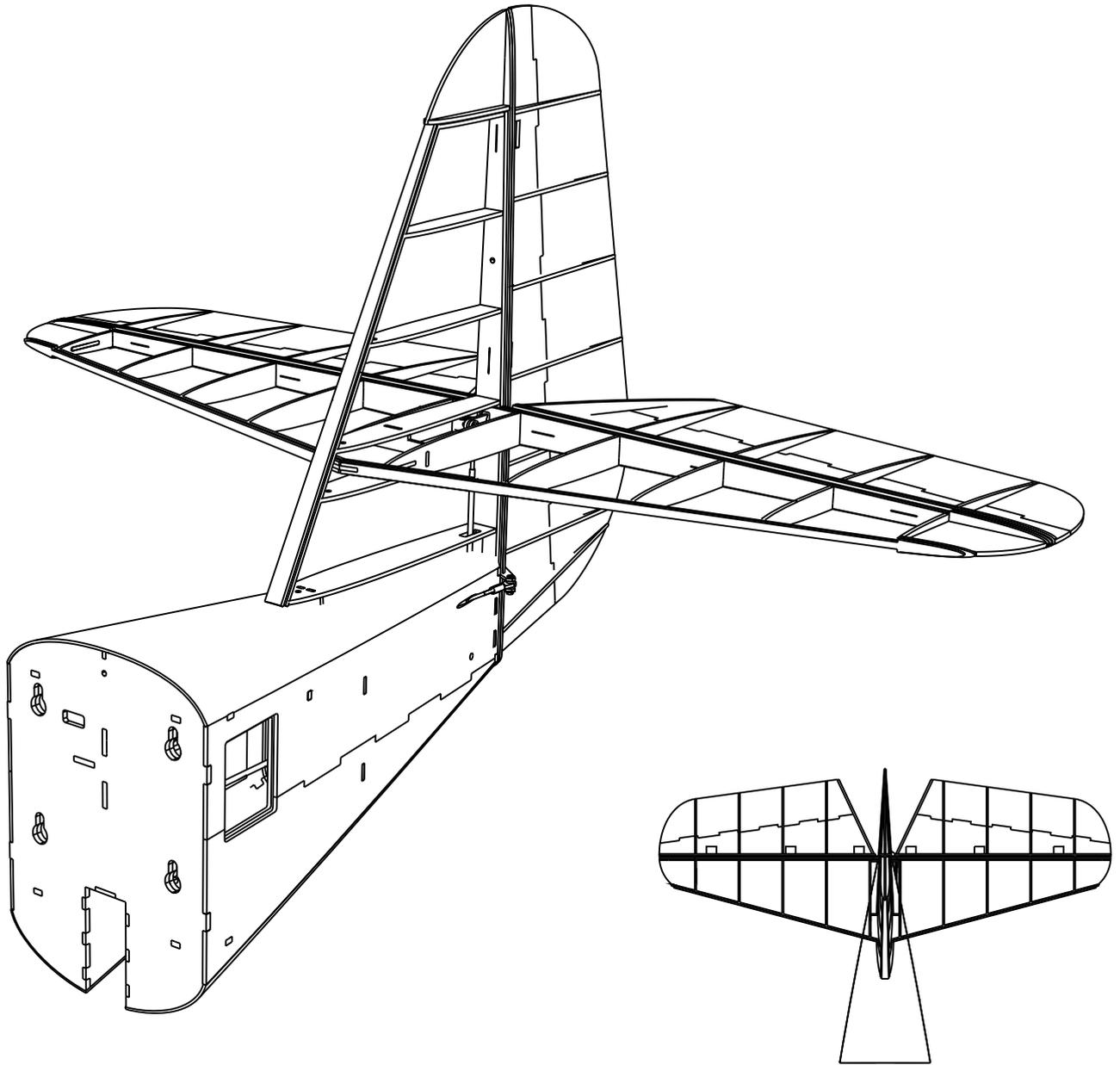
Grain direction

Use templates C & D to make the 1.5mm balsa transition sheeting

Sheet top with 1.5mm balsa

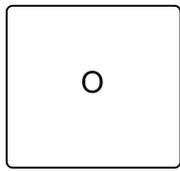
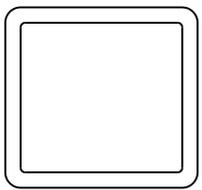


# Aft Fuselage & Tail



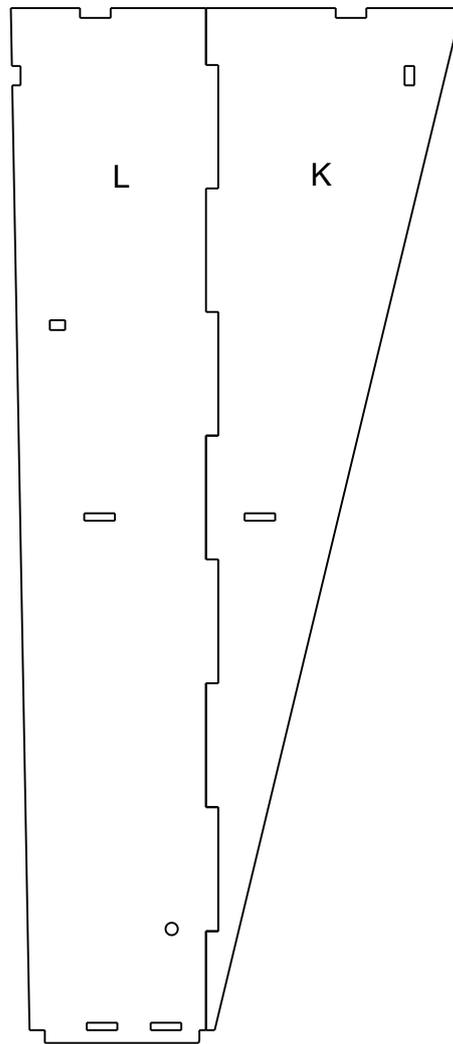
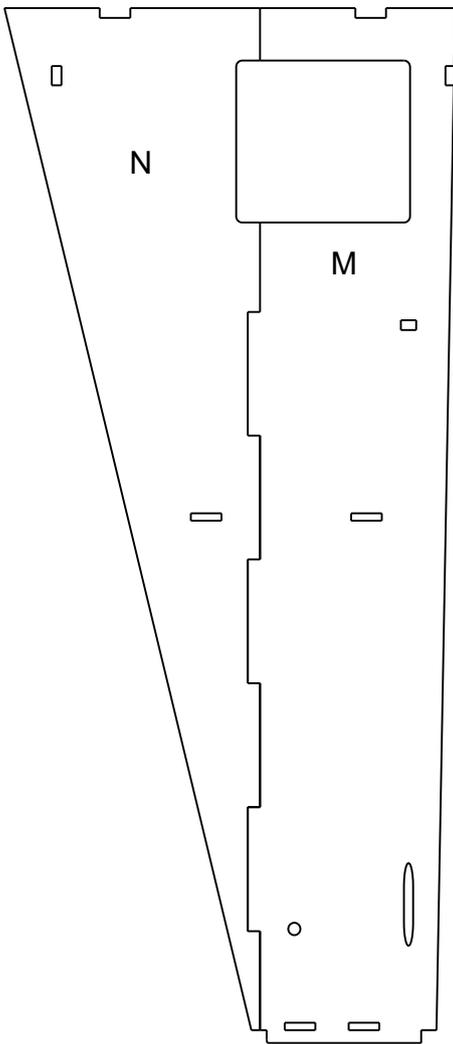
## Hardware for this build stage

6x	Nylon hinge	16x35mm	max dimensions for hinge
1x	Pushrod tube	3mm	Cut from supplied pushrod set
1x	Threaded pushrod	2x300mm	
5x	Ball-link	M2	
5x	Machine screw	M2x12mm	Stainless steel
5x	Nut	M2	Stainless steel
5x	Washer	M2	Stainless steel
4x	Threaded end	M2	Cut from supplied pushrod
2x	CF Pushrod	4mm	Cut from supplied CF tube
1x	Pushrod connector		
1x	Nylon steering arm		3mm hole
1x	Elevator joiner	3mm	Bend from steel wire
1x	MPX Connector male		
--	Servo wiring		
1x	120° led warm white	5mm	+resistor
1x	120° led red	5mm	+resistor
2x	Hitec HS-255 servo		Mighty Mini servo + mounting hardware
2x	Washer large OD	M4	
1x	90° bellcrank inner tube	5x4.1mm	Cut from supplied brass tube

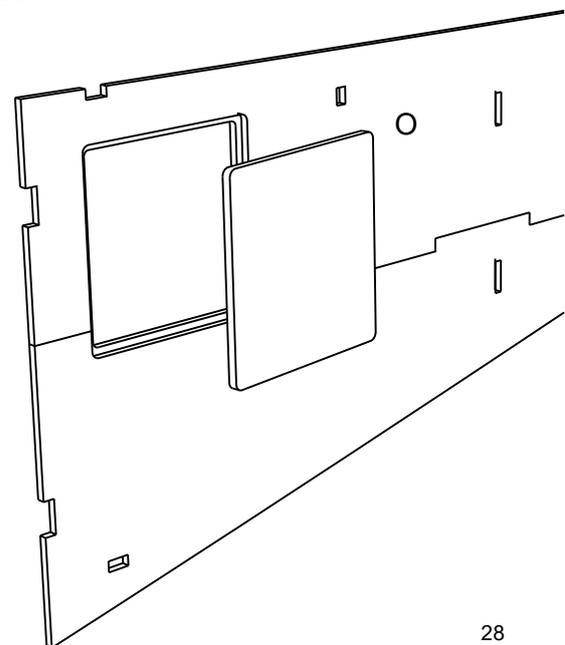
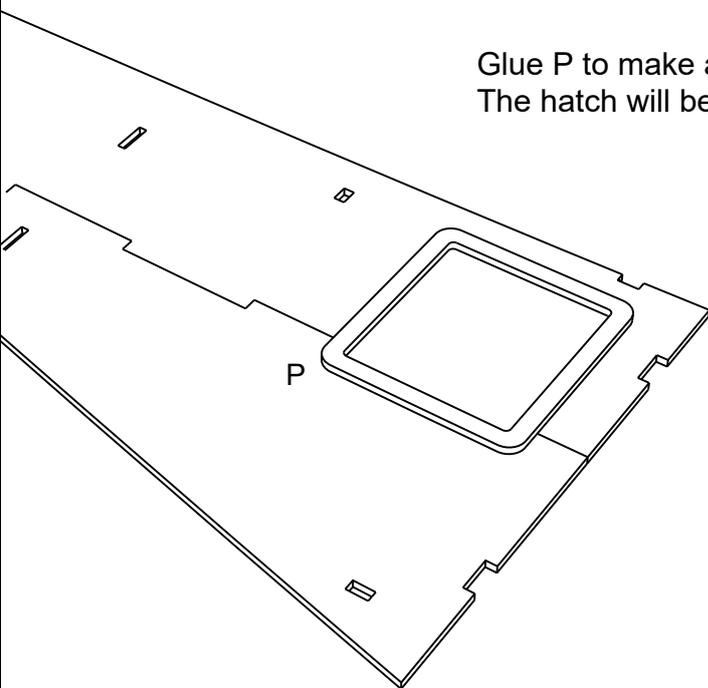


P

### Assemble fuselage sides



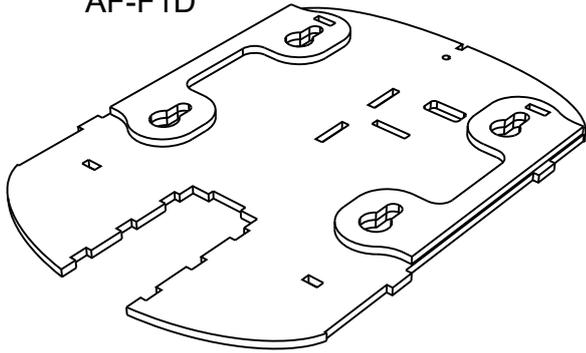
Glue P to make a flange for the servo hatch.  
The hatch will be fixed when covering.



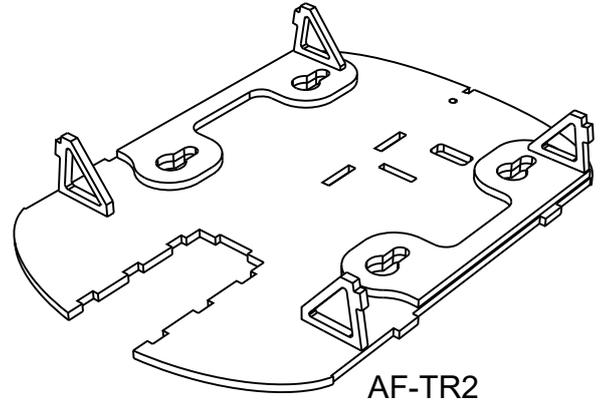
Split fuse former sub assembly

AF-F1D

AF-F1

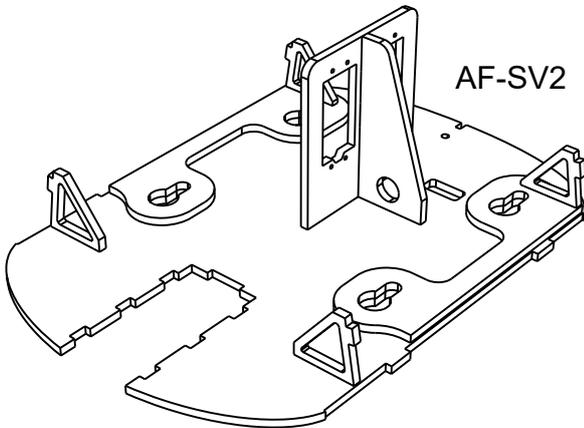


AF-TR1



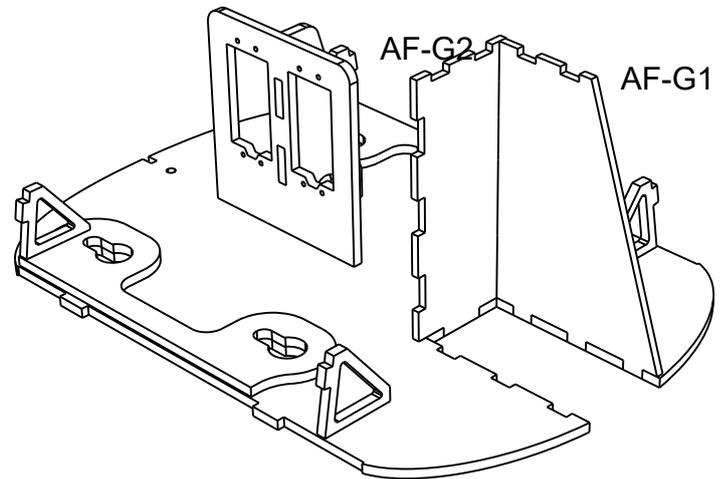
AF-SV1

AF-SV2

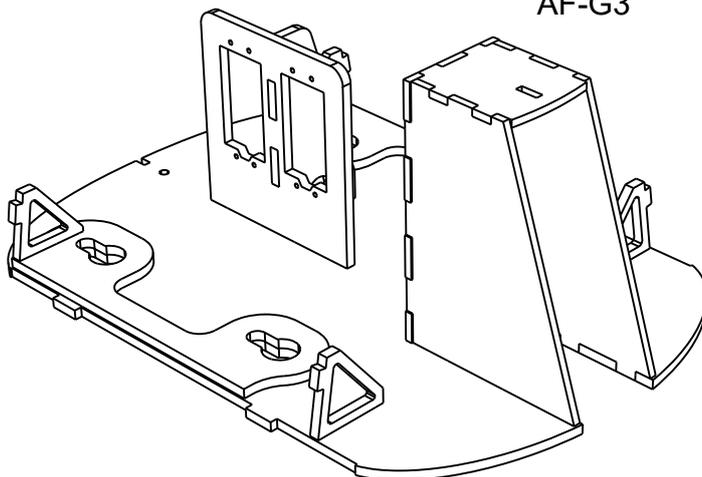


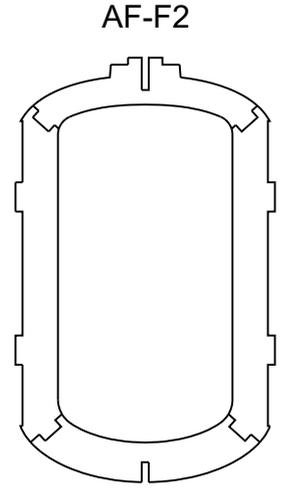
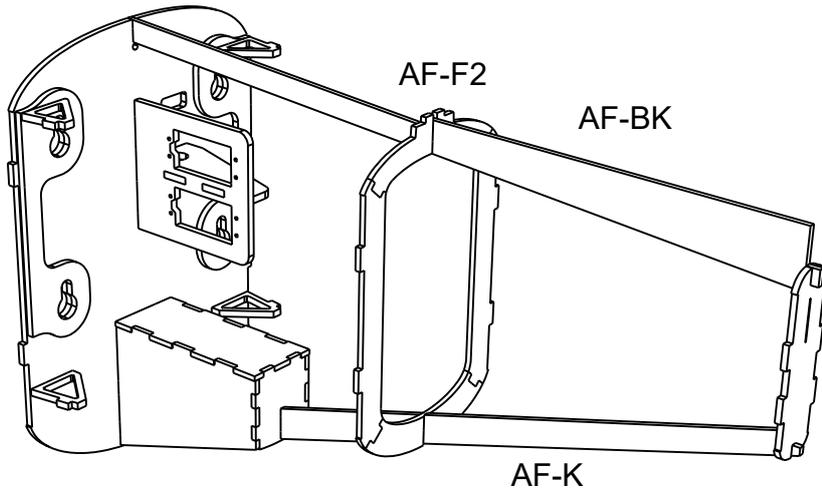
AF-G2

AF-G1

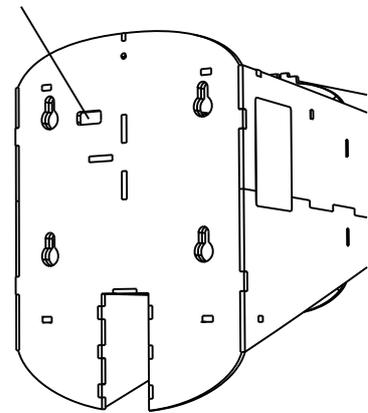


AF-G3

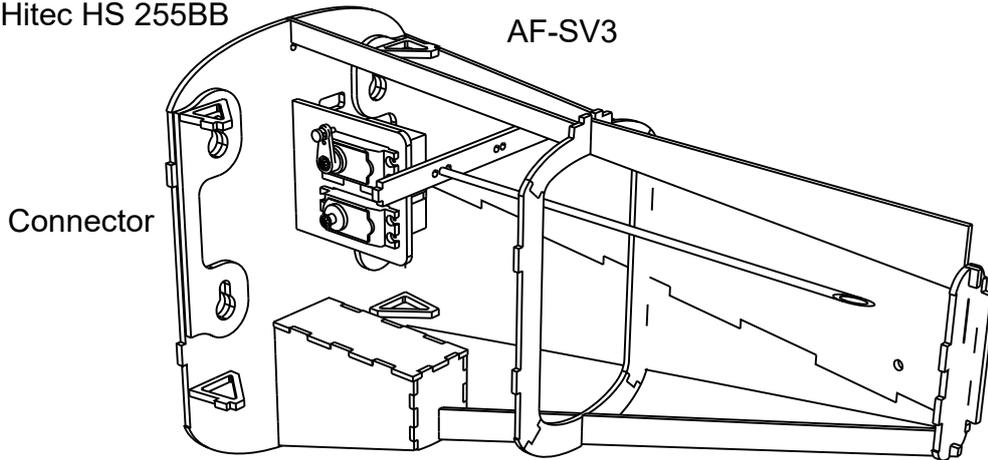




MPX Connector fits here

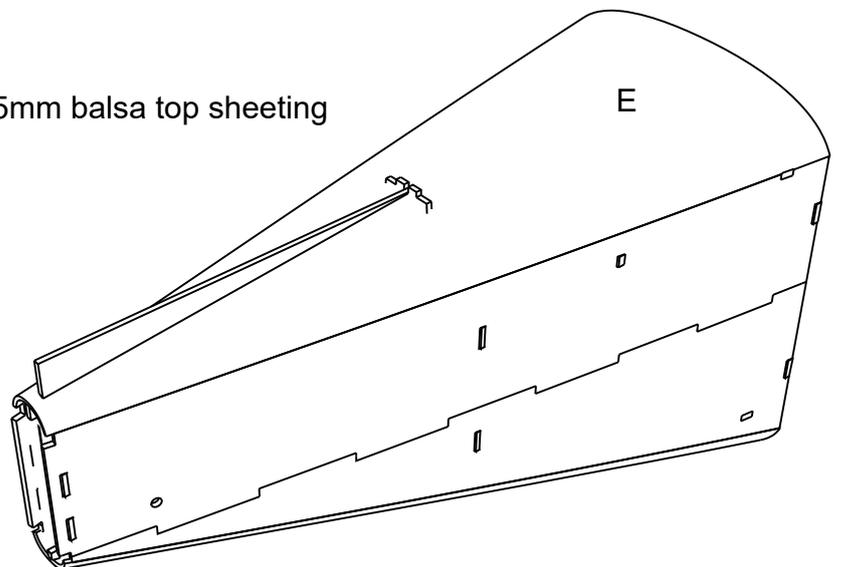


2x Hitec HS 255BB



Left side not shown

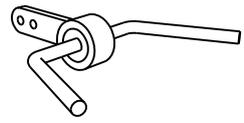
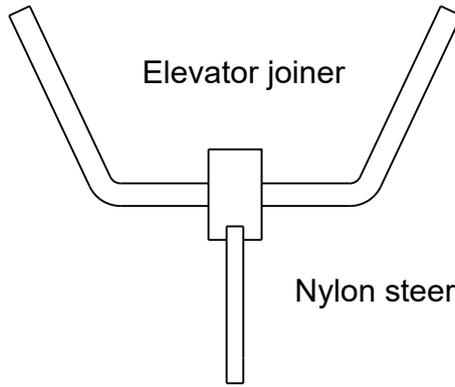
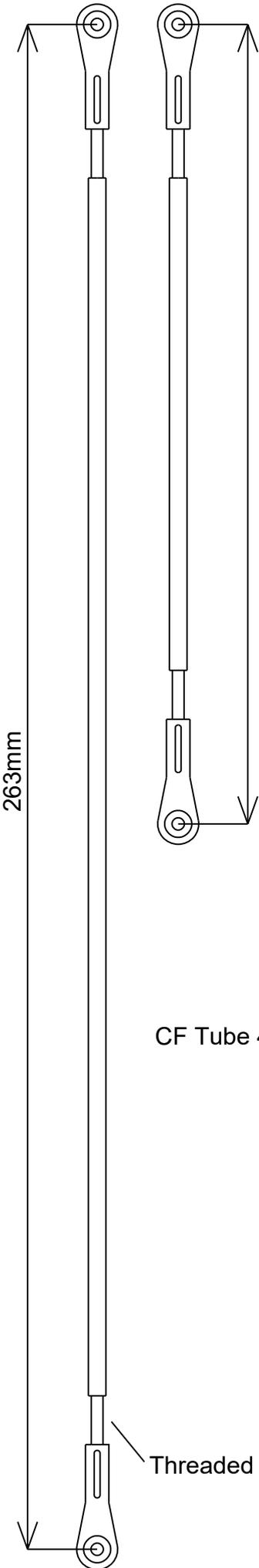
Use template E to make 1.5mm balsa top sheeting



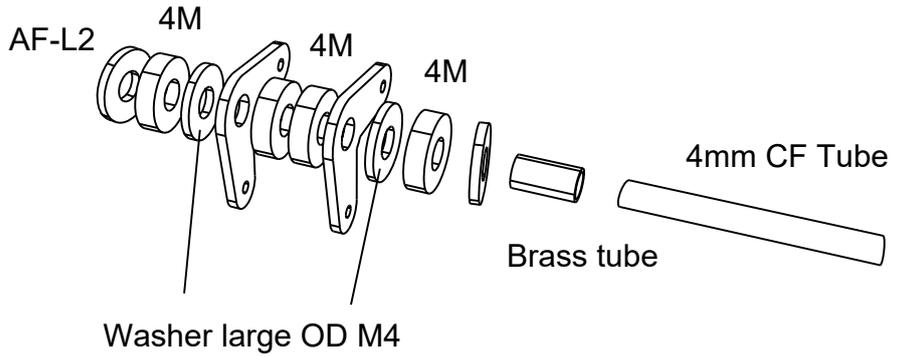
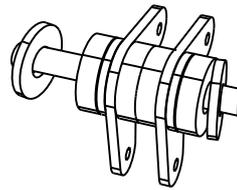
Ball Link M2

Elevator linkage

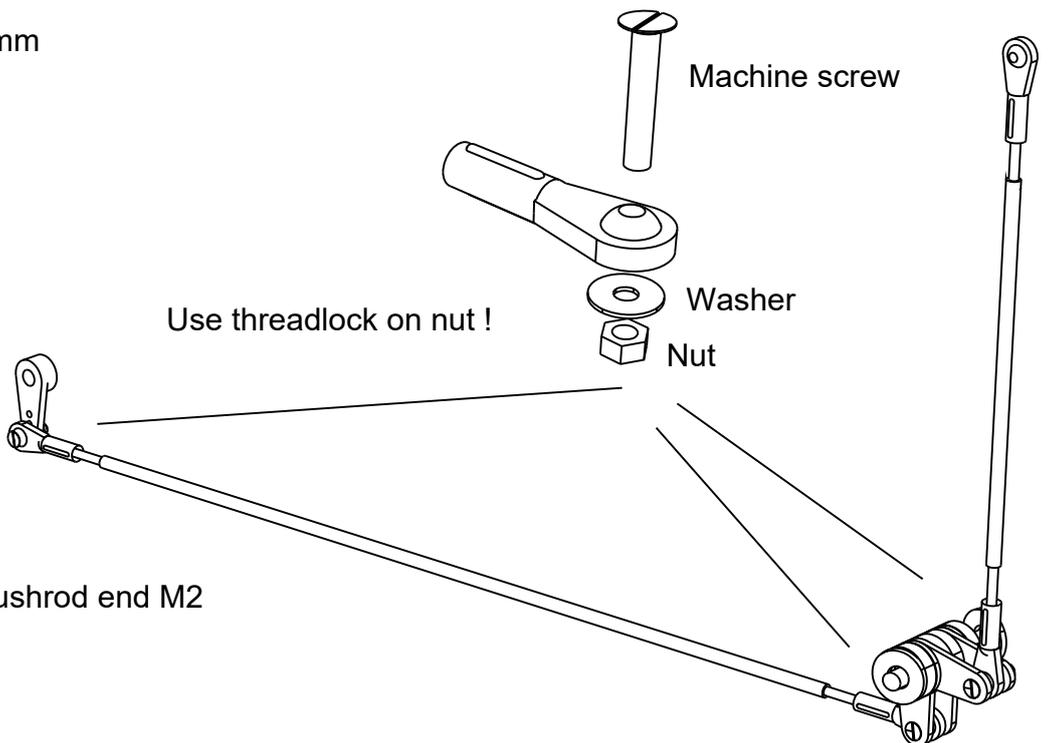
Use threadlock and file flat spot on steering arm !

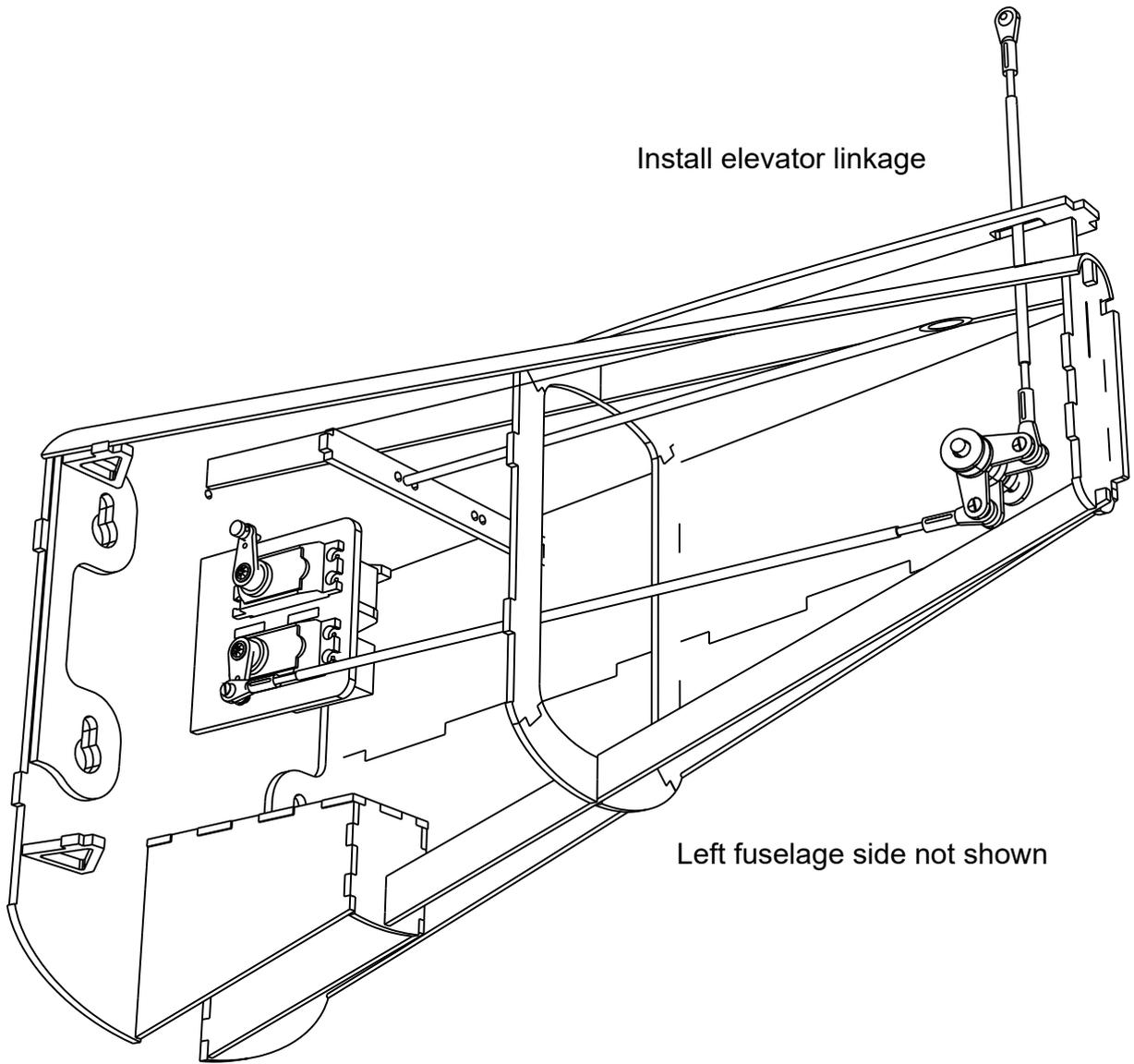
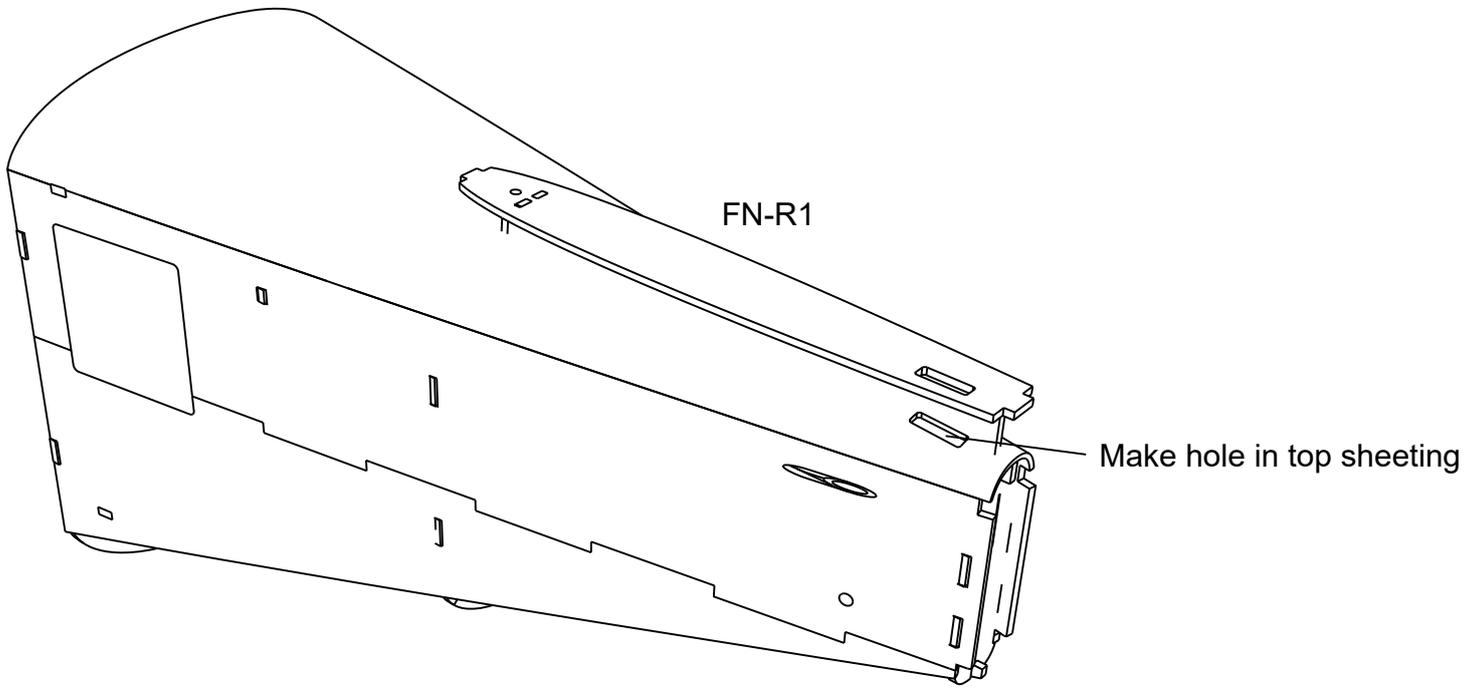


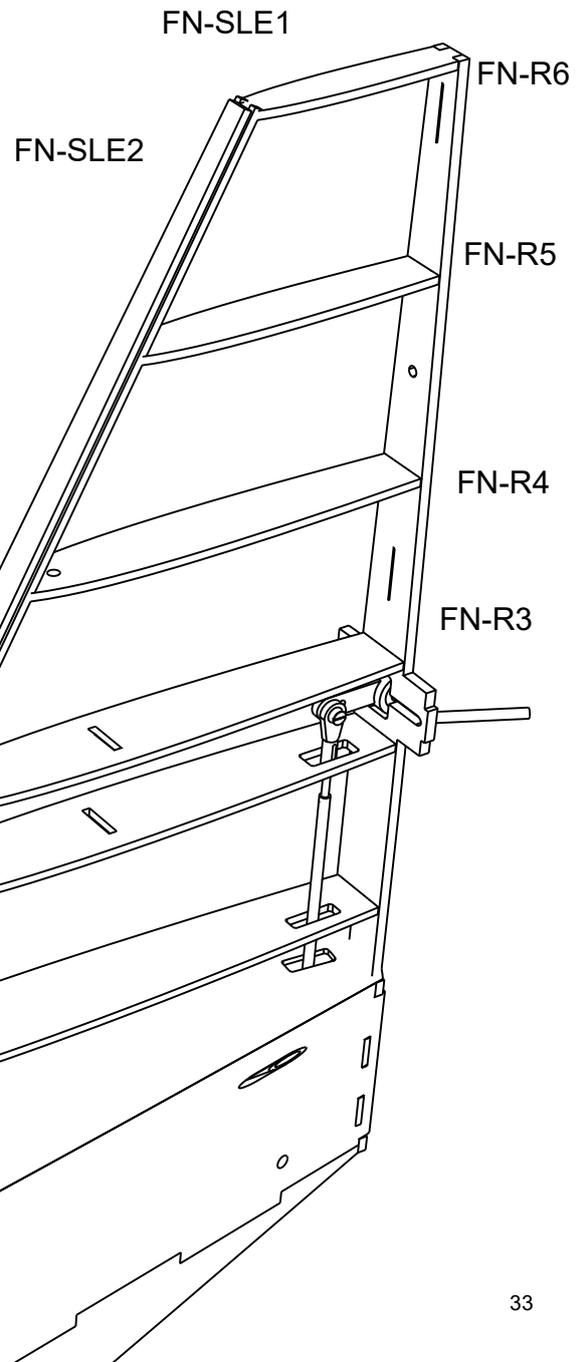
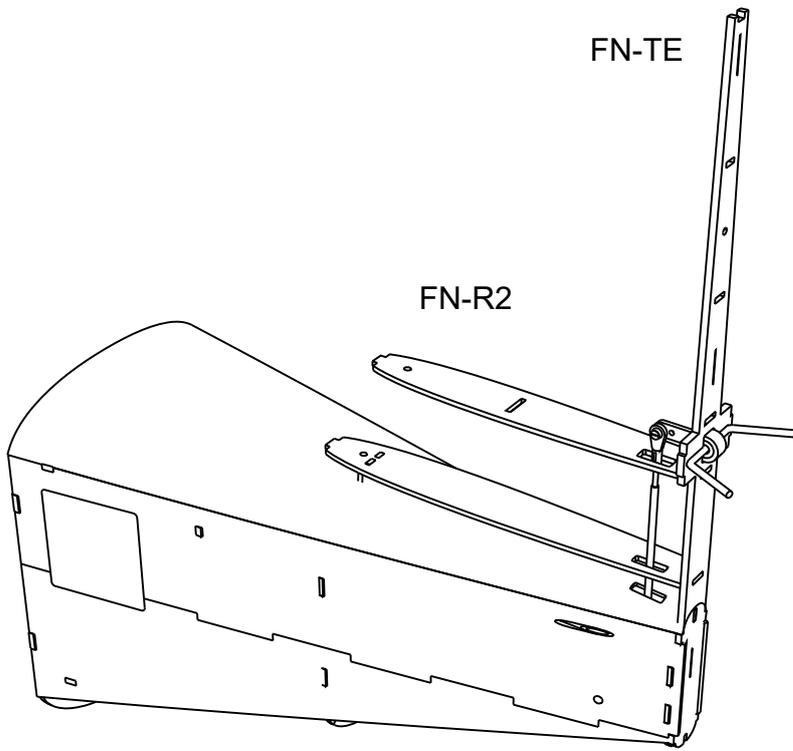
Reinforce AF-L1 with glass cloth



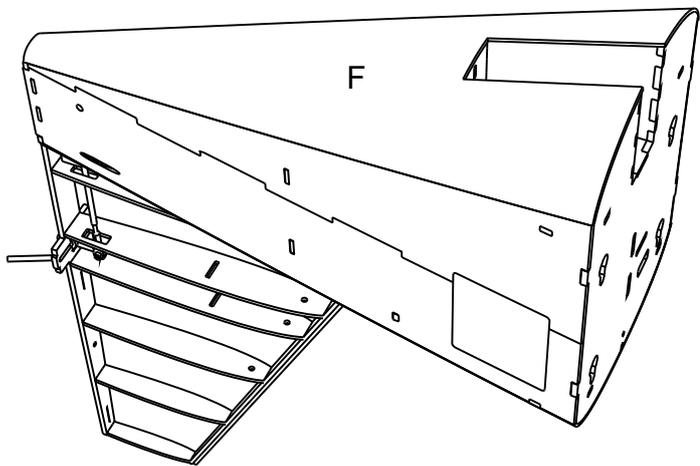
CF Tube 4mm

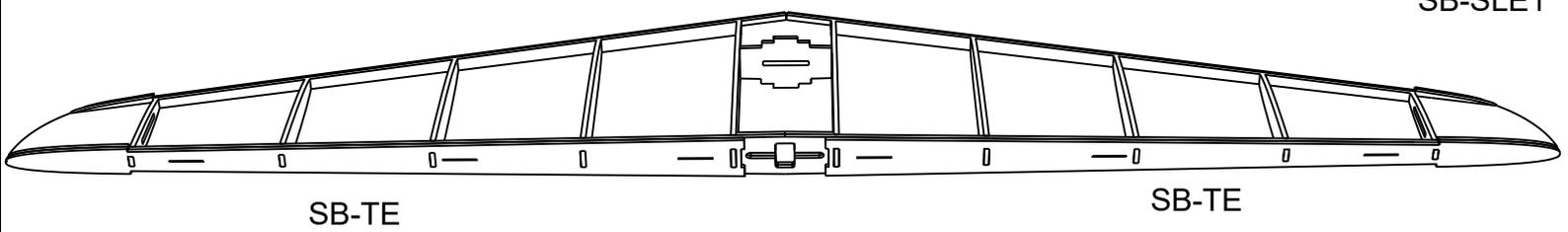
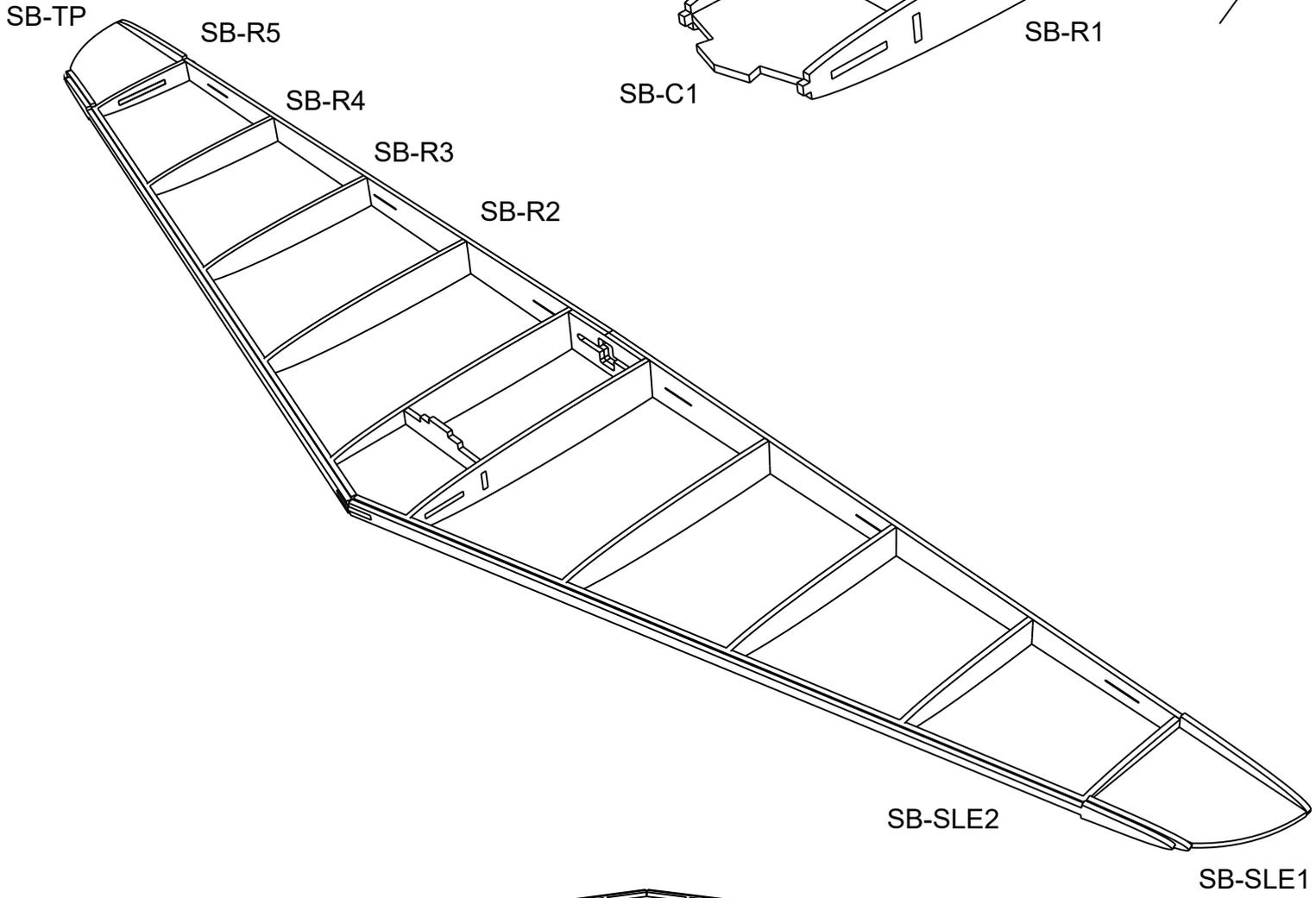
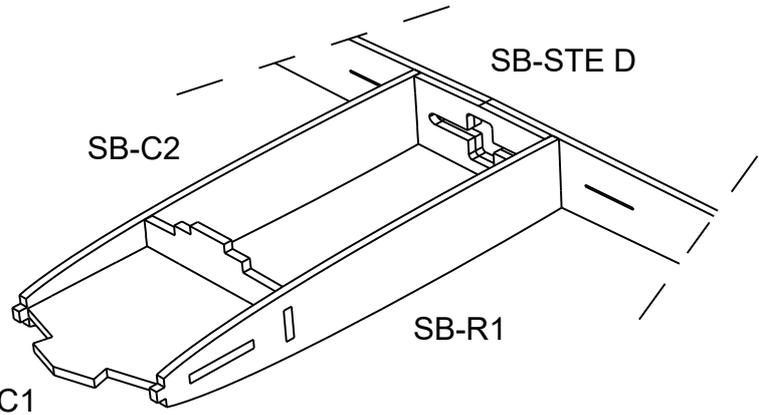
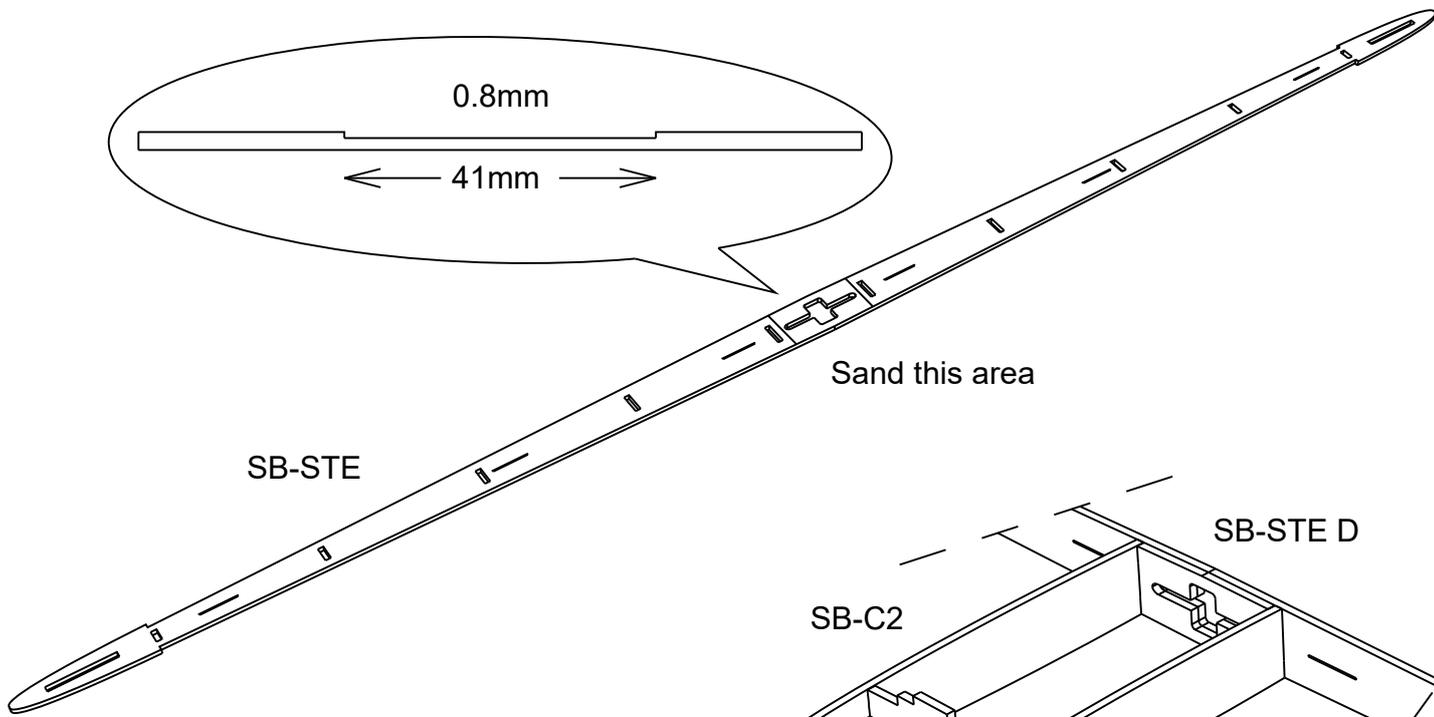
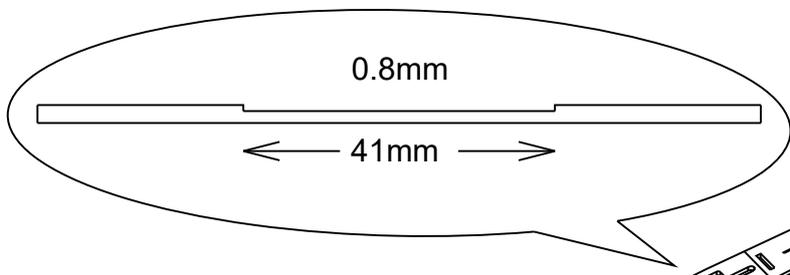






Use template F to make 1.5mm balsa bottom sheeting



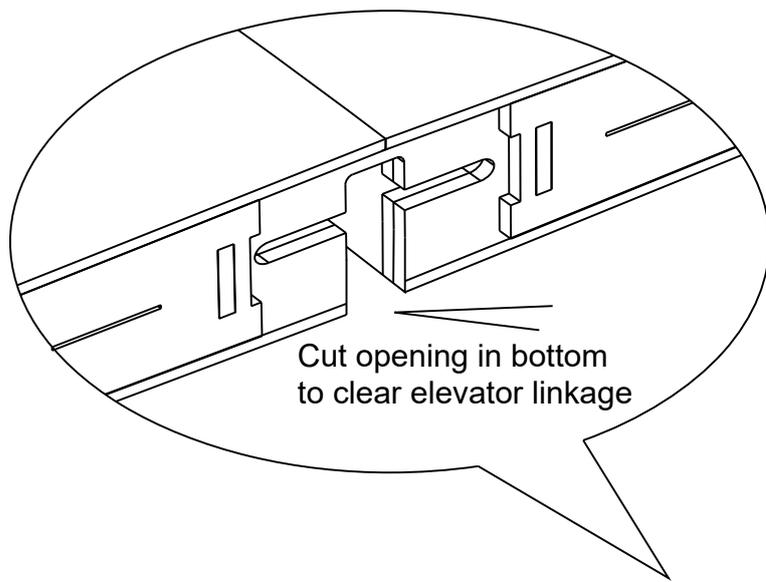
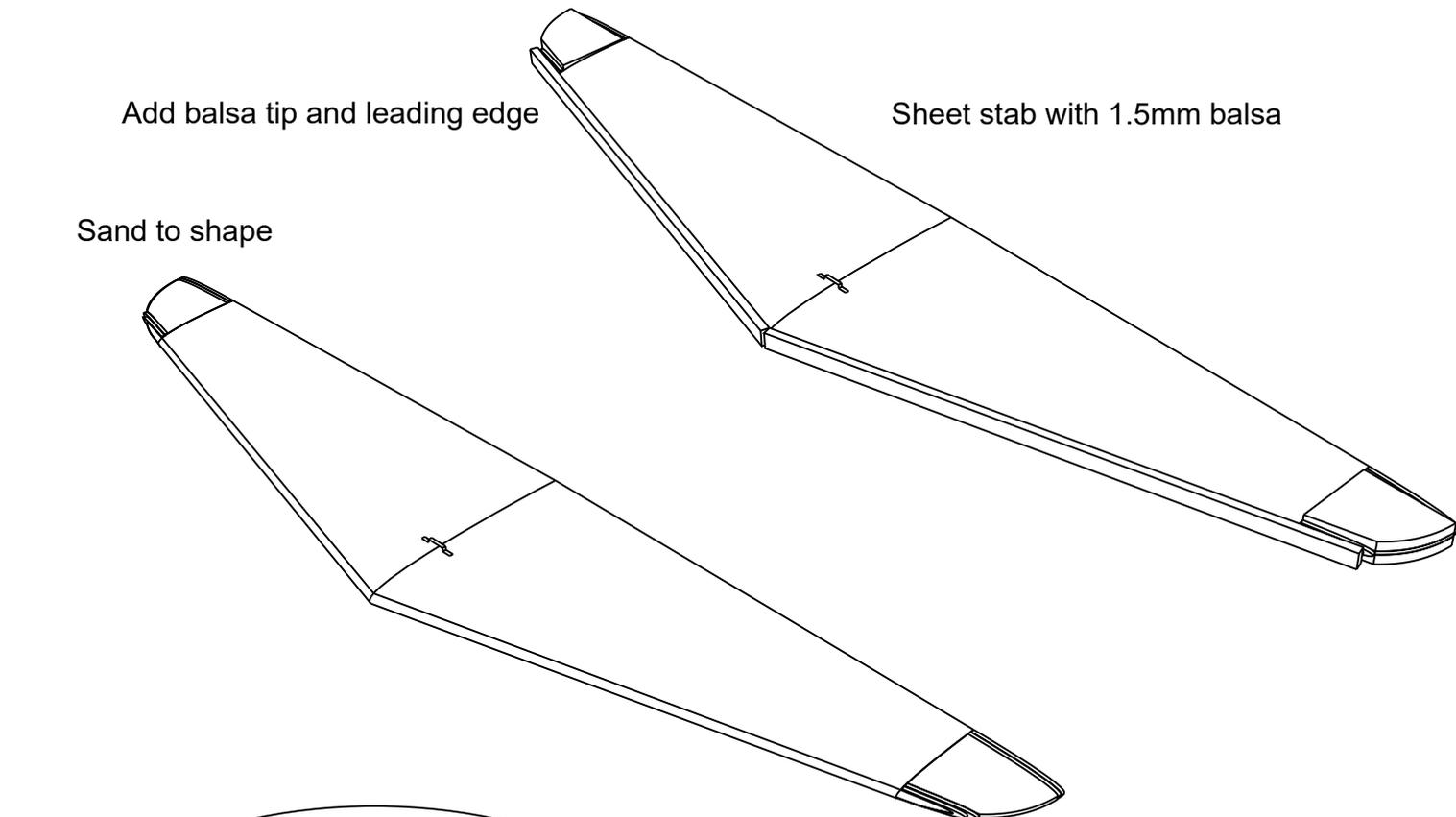


Use hinges to align SB-TE

Add balsa tip and leading edge

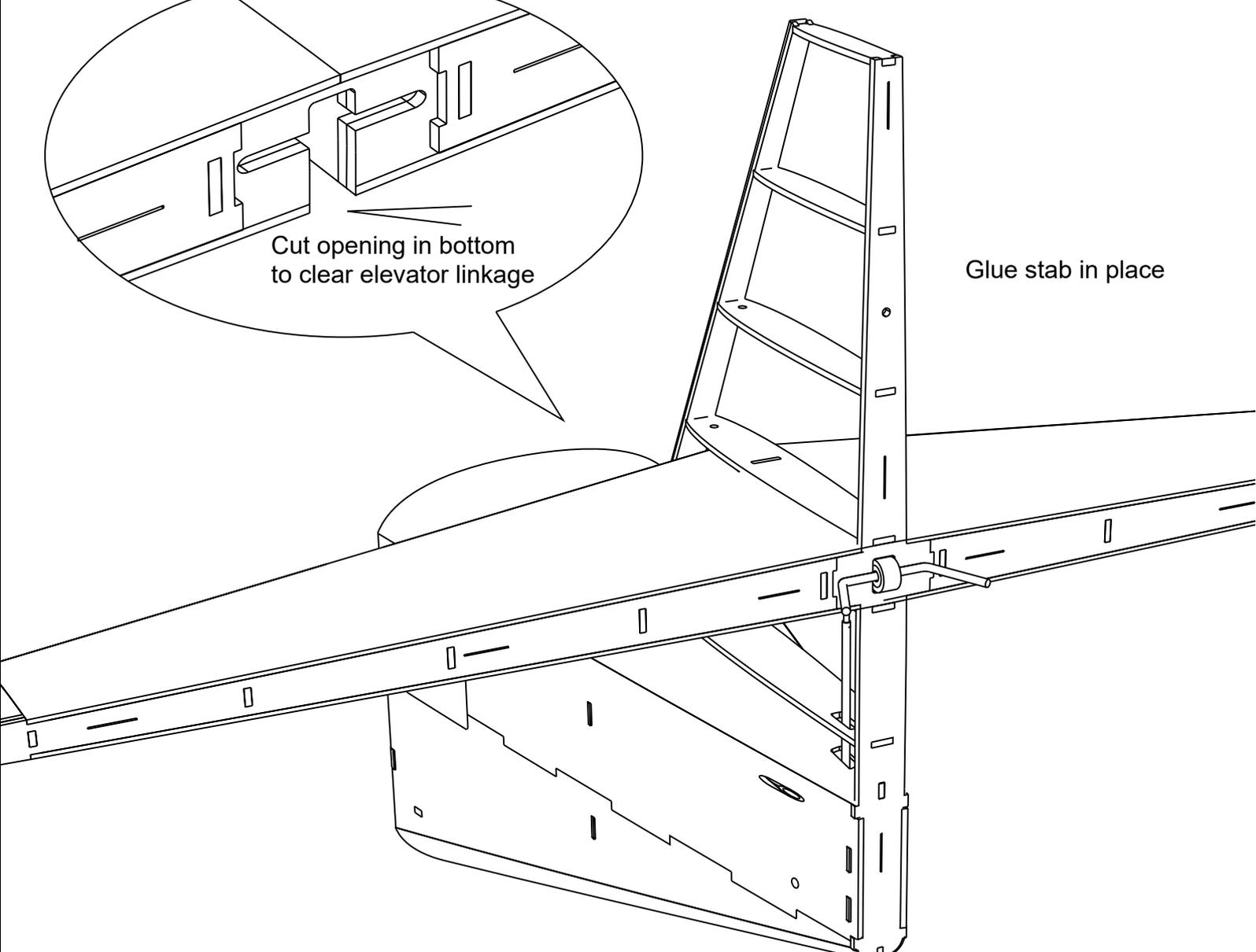
Sheet stab with 1.5mm balsa

Sand to shape

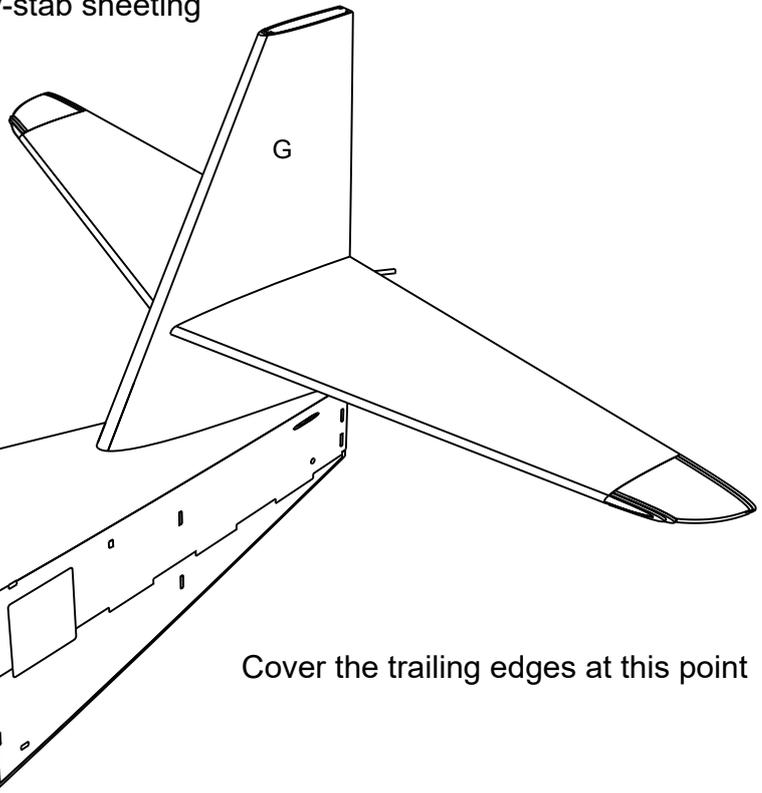


Cut opening in bottom to clear elevator linkage

Glue stab in place



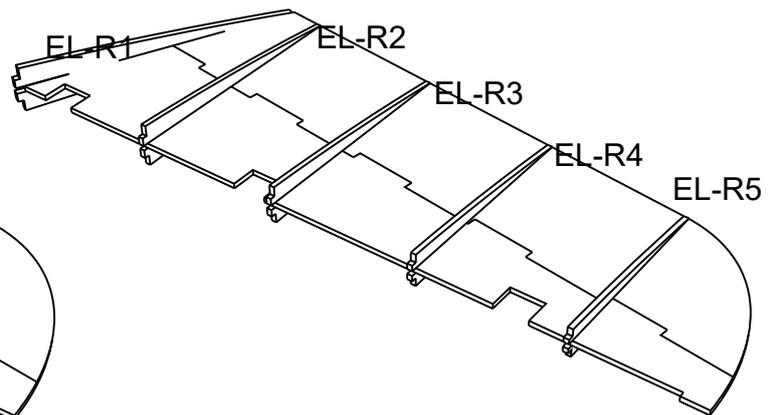
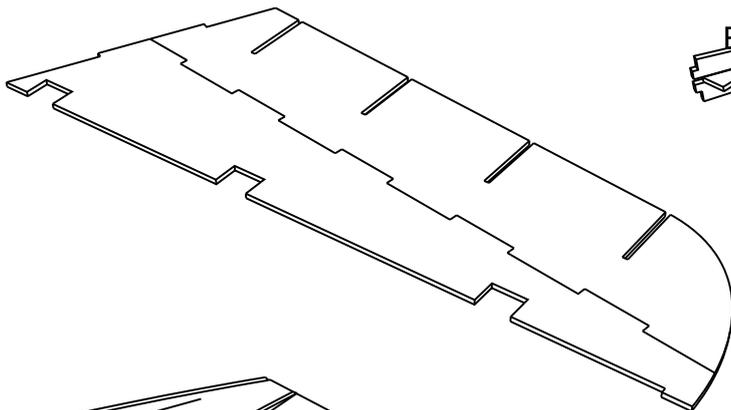
Use template G to make 1.5mm balsa v-stab sheeting



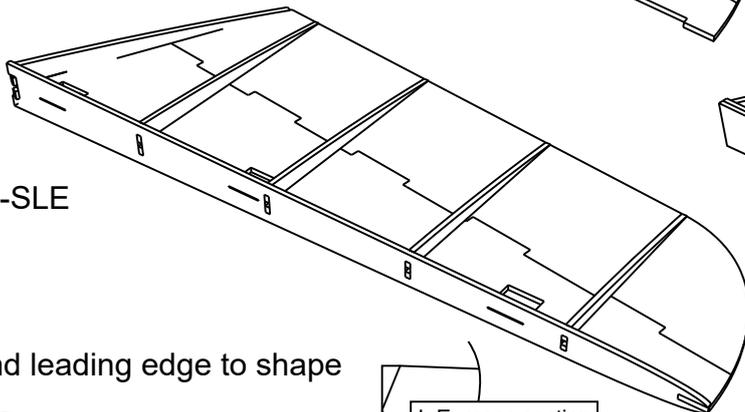
Add balsa leading edge and sand to shape

Cover the trailing edges at this point

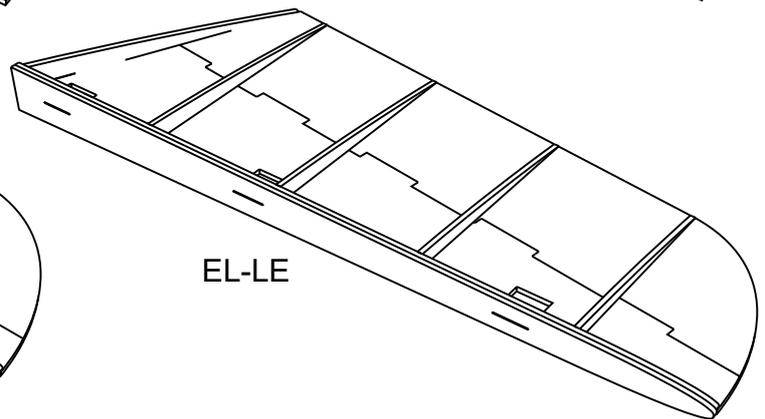
EL-TE



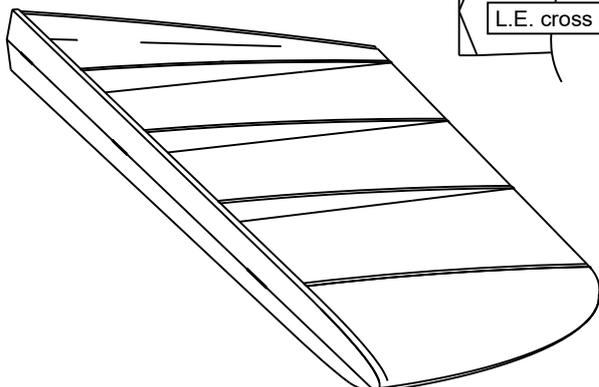
EL-SLE



EL-LE

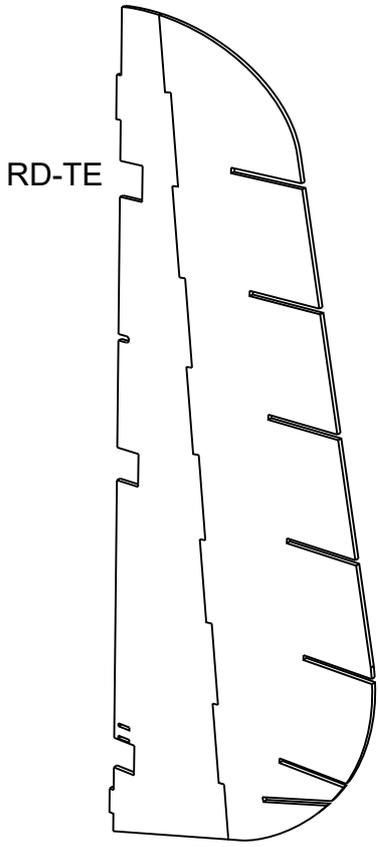


Sand leading edge to shape



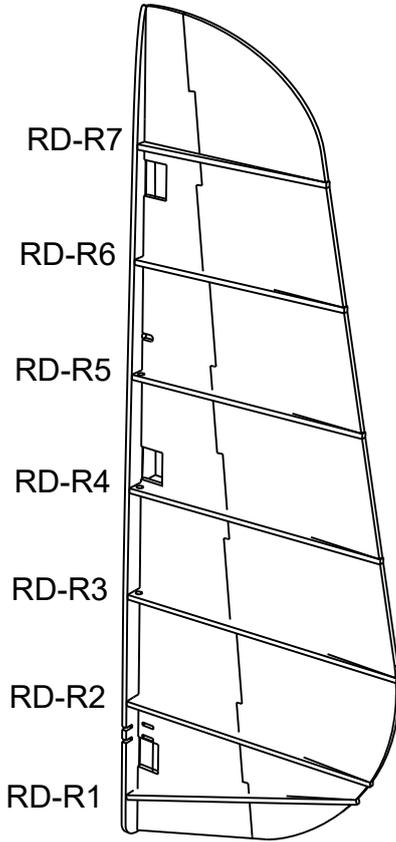
Add balsa tip and sand to shape

Install hinges and cover elevator



RD-TE

RD-SLE



RD-R7

RD-R6

RD-R5

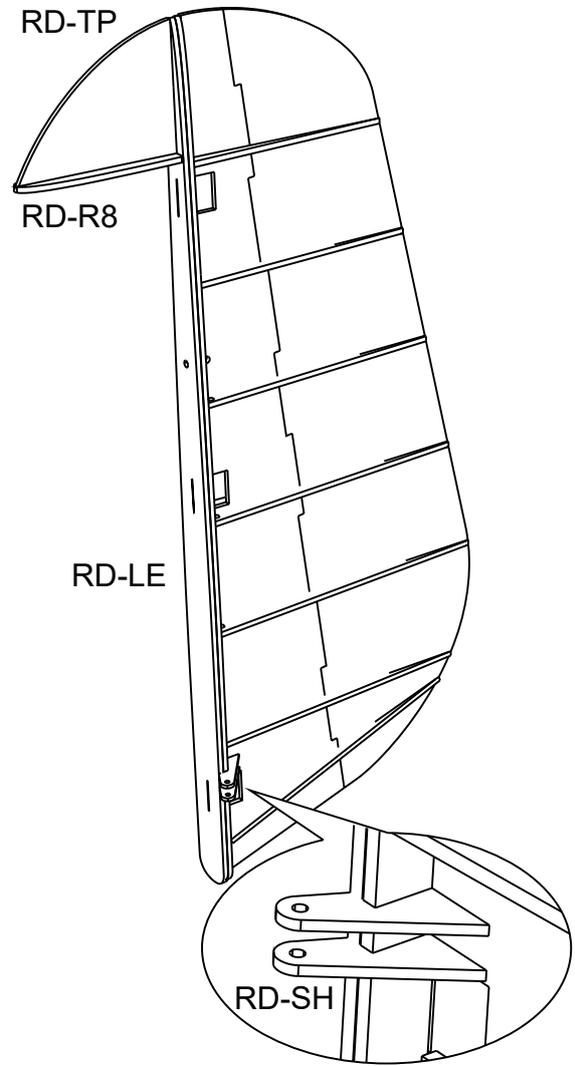
RD-R4

RD-R3

RD-R2

RD-R1

RD-TP

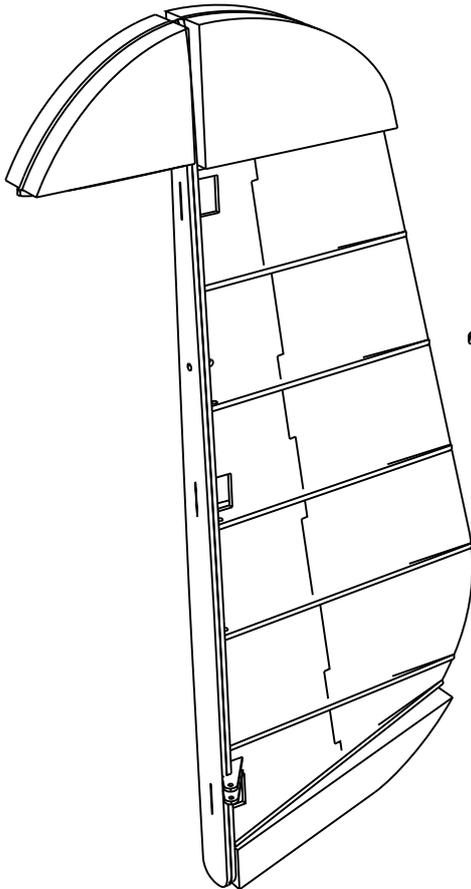


RD-R8

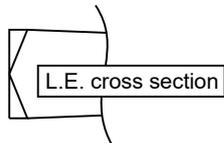
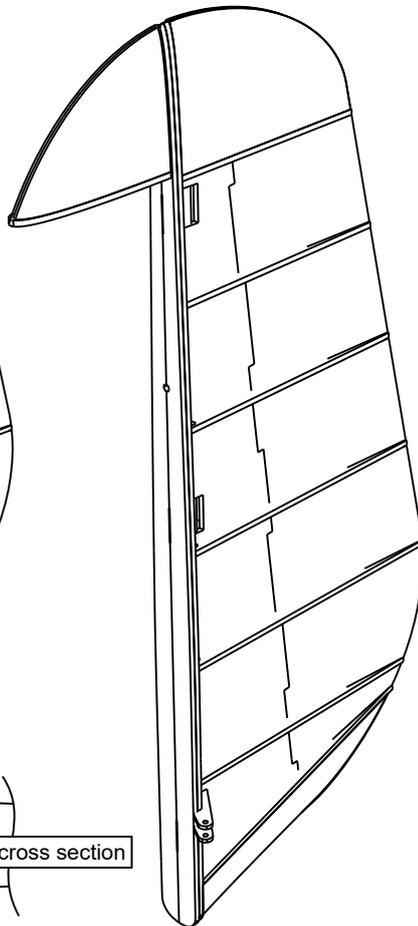
RD-LE

RD-SH

Add balsa tip and bottom

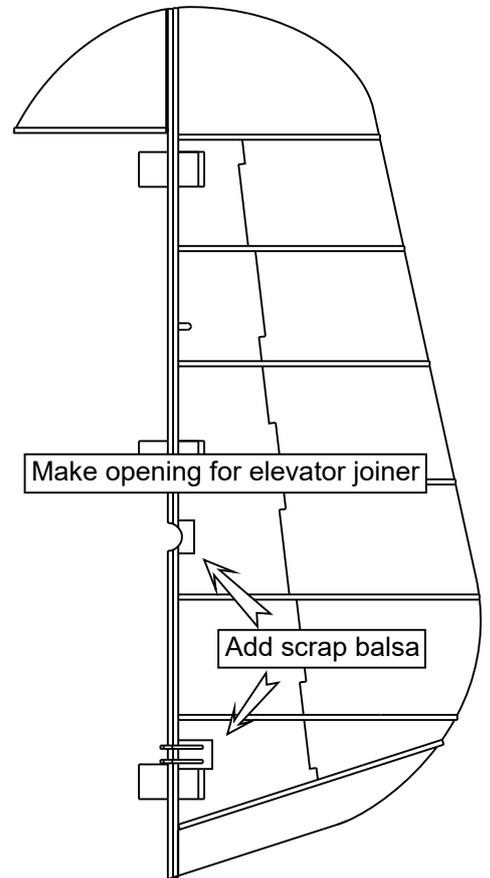


Sand stip to shape



L.E. cross section

Sand leading end and bottom to shape

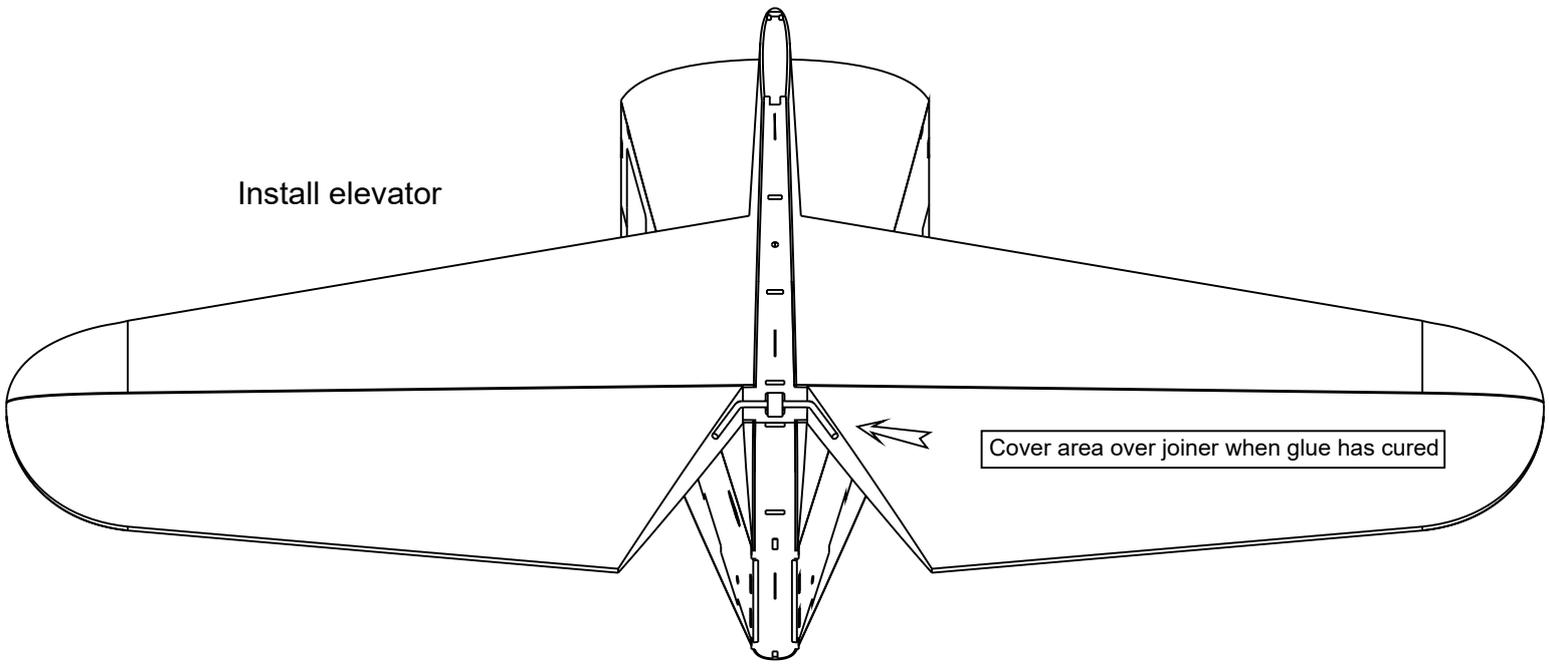


Make opening for elevator joiner

Add scrap balsa

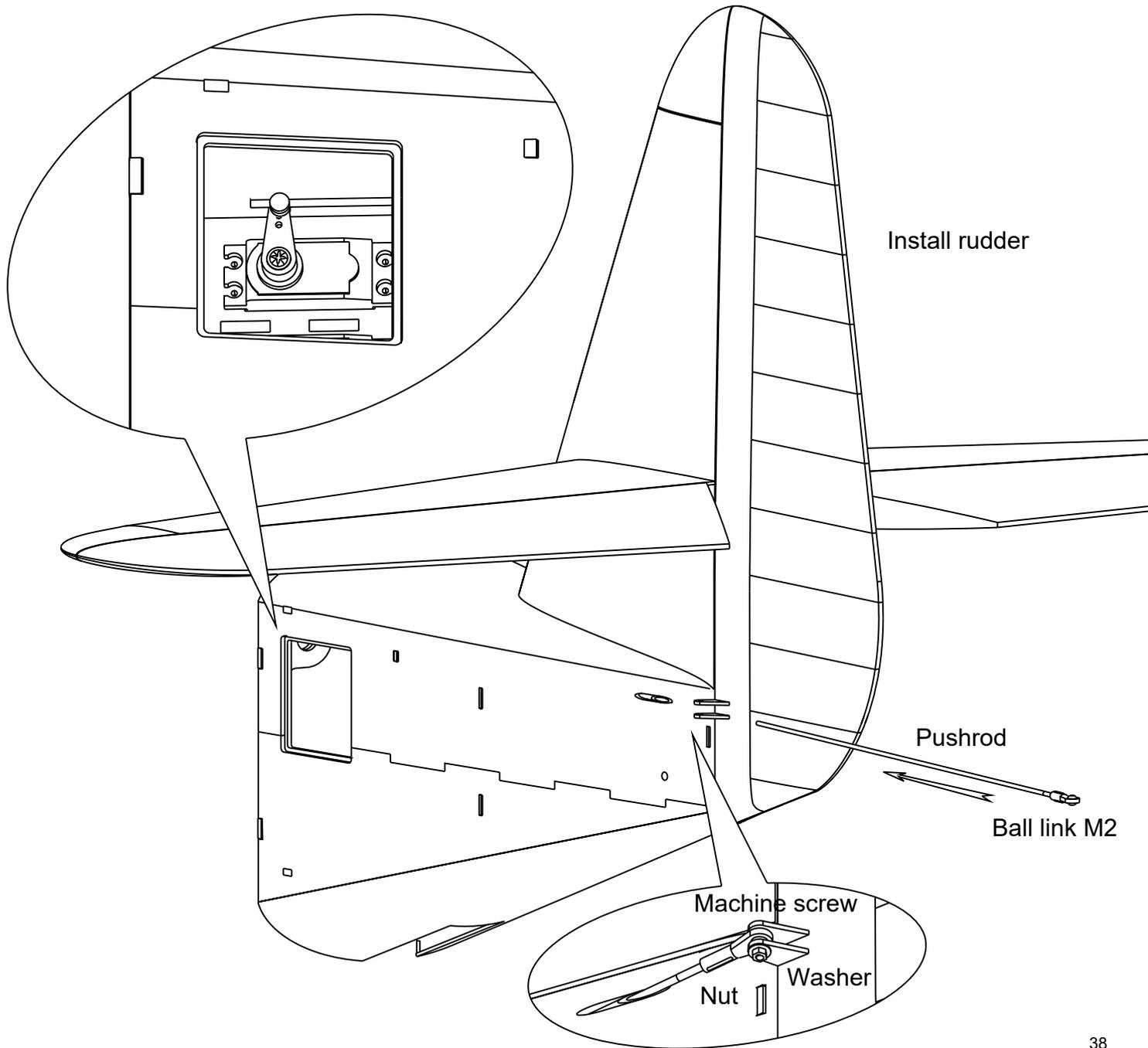
Install hinges and cover rudder

Install elevator



Cover area over joiner when glue has cured

Install rudder



Pushrod

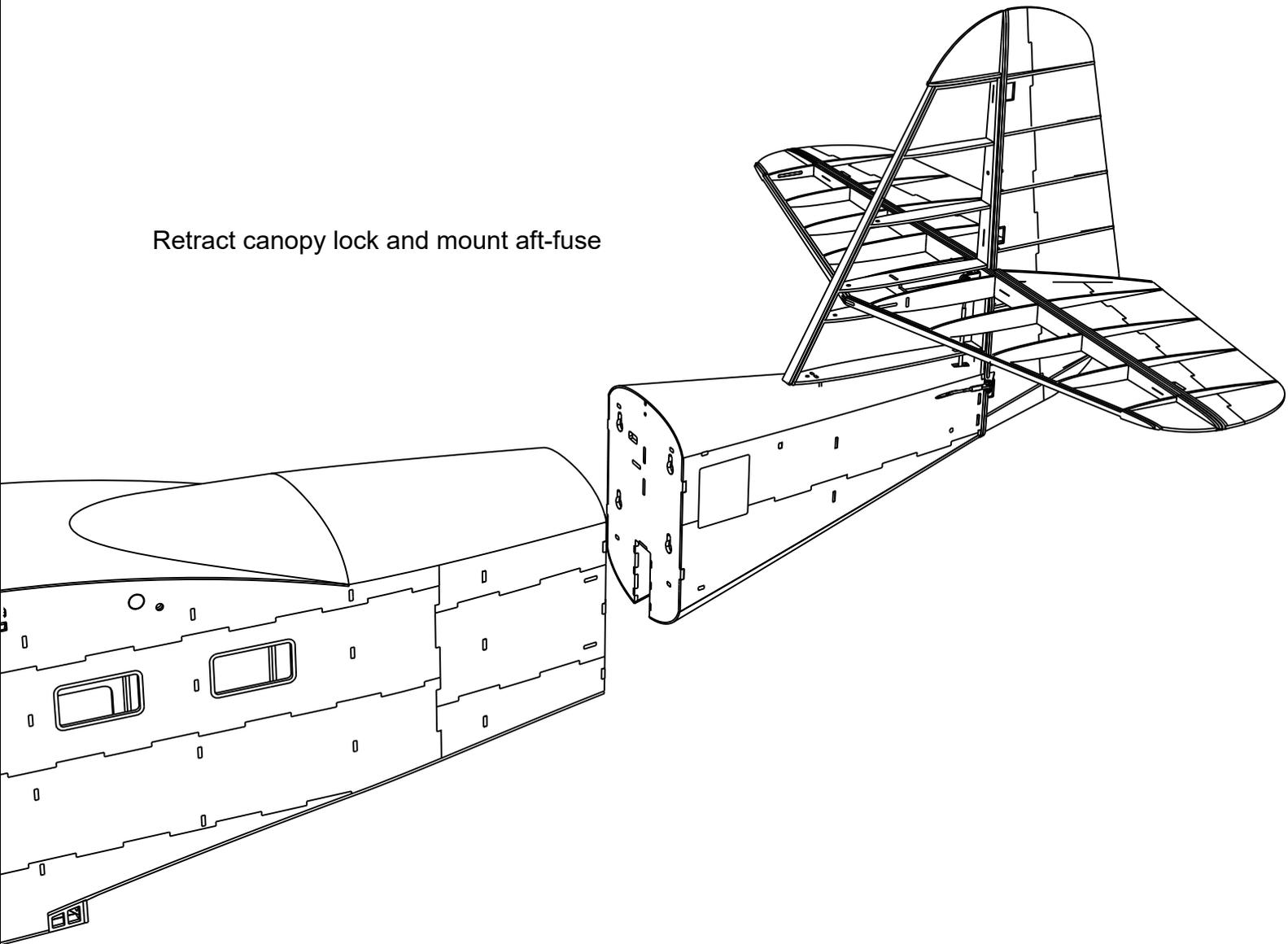
Ball link M2

Machine screw

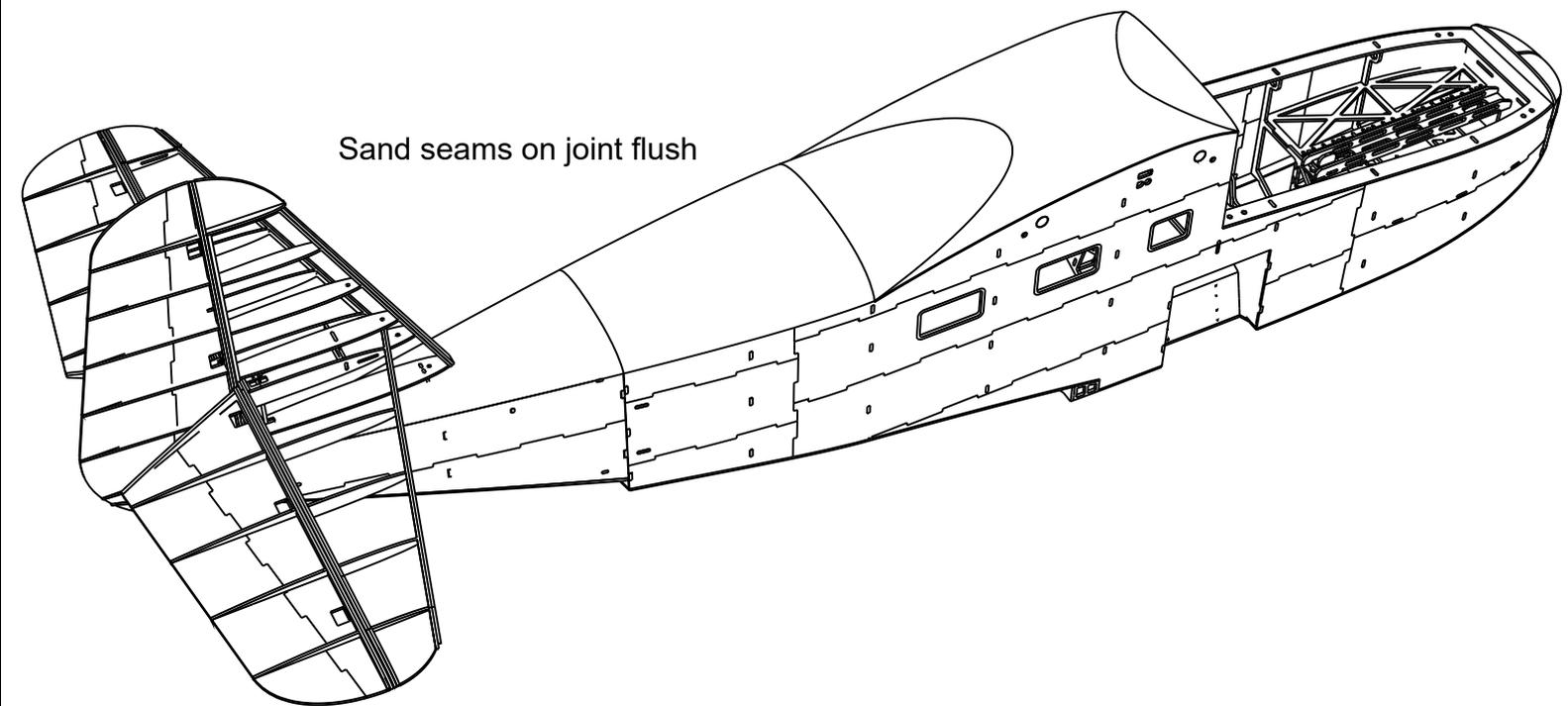
Nut

Washer

Retract canopy lock and mount aft-fuse



Sand seams on joint flush



# Cockpit Hatch

