



**aero
naut**

SKYMAXX

RC Trainer

Order No. 1370/00



SkyMAXX

SkyMAXX is a sturdy trainer for 3 channel RC with a scale-like appearance. Take-off is easy with its tricycle undercarriage and big wheels from any flying field with short grass.

All parts, with the exception of stripwood, are precisely laser-cut and allow for a rapid building process. The wing uses the aero-naut building jig for precision and easy building – a great feature for beginners and less advanced modellers.

We use mainly light-ply and balsa for the SkyMAXX which results in a light yet strong model with the flying characteristics of a trainer.

Most wood parts in the kit are laser-cut and numbered. Stripwood can be easily identified by means of the parts list at the end of the manual. Um die Laserteile aus den Materialträgern zu lösen, durchtrennen Sie die Stege, von denen die Laserteile im Materialträger gehalten werden, mit einem scharfen Balsamesser. Säubern Sie anschließend die dunklen Kanten der Laserteile mit Schleifpapier, um die Reste der Stege zu entfernen, eine gute Verklebung der Bauteile und nicht zuletzt eine gute Optik des Modells zu erzielen.

Prüfen Sie alle Bauteile vor dem Verkleben auf richtigen Sitz und arbeiten Sie die Teile ggf. etwas nach. Achten Sie darauf, dass alle Verklebungen vollständig getrocknet sind, bevor Sie mit dem nächsten Bauschritt beginnen.

Der Zusammenbau des Modells sollte in der Reihenfolge der Baustufen nach dieser Anleitung erfolgen. Lösen Sie immer nur die Teile aus dem Materialträger, die Sie für den aktuellen Bauschritt benötigen.

Als Klebstoff empfehlen wir, soweit nicht anders vermerkt, einen schnell aushärtenden Weißbleim, der hohe Festigkeit bei geringem Gewicht bietet. Der Klebstoff besitzt auch nach dem Aushärten eine gewisse Elastizität und ist der ideale Klebstoff für die im Flug auftretenden Belastungen.

Tips & Notes



Attention! Read instructions carefully



Note! Additional information for current building step



Use a sharp modelling knife to cut individual parts from laser sheets. Do not brake out to avoid damage!



Carefully sand off small tabs that hold wood parts in place to achieve good results.



For building we recommend our aero-pick modeller's pins Order-No. 7855/02



Please note recommended glues.



Electric Power

Motor outrunner from ca. 300 W
Speed Control from 40 A
Battery 3S-LiPo, 3,800 mAh
Propeller CAMcarbon Light-Prop 10x5" - 11x6"
*



Technical Data

Wingspan: 1,550 mm
Length: 1,090 mm
Weight: from ca. 2,300 g
Wing area: ca. 37.2 dm²
Wing loading: ca. 62 g/dm²
RC: rudder, elevator, ailerons, ESC/throttle control



IC Power

Engine: 8 cm³ 2 Stroke / 10 cm³ 4 Stroke
Propeller: CAMcarbon Power-Prop 10x5" - 14x6" *



Recommended RC equipment

4 channel radio

2 servos ca. 20x9x17 mm for aileron control
2 servos ca. 20x9x17 mm for rudder/elevator control
1 servo ca. 20x9x17 mm for throttle control (IC engine only)



Recommended Equipment for Electric Power

Propeller adaptor Order.-No.: 7124/08 (3.2 mm shaft) *
Propeller adaptor Order.-No.: 7124/11 (4.0 mm shaft) *
Spinner, 45 mm Order.-No.: 7258/11-13 **

* Compare recommendations with data sheet of motor/engine

** various colours



Recommended Glues

Material	Glue (Order-No.)
wood/wood	Ponal Express (7638/10)
wood/metal	UHU Plus sofortfest (7633/07)
wood/plastic	UHU hart (7631/02), canpy glue



Recommended wood treatment

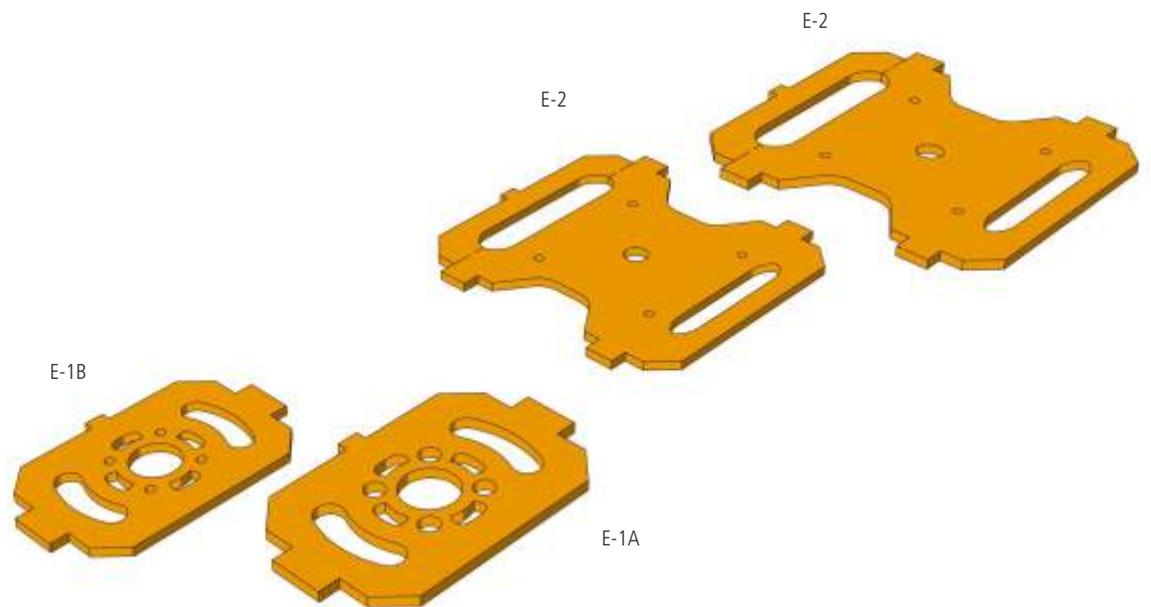
Material	Item	Order-No.
wood	primer	7666/02

Fuselage

1

For electric power glue former E-1A to former E-1B and glue together formers E-2. Make sure that contours of formers match perfectly.

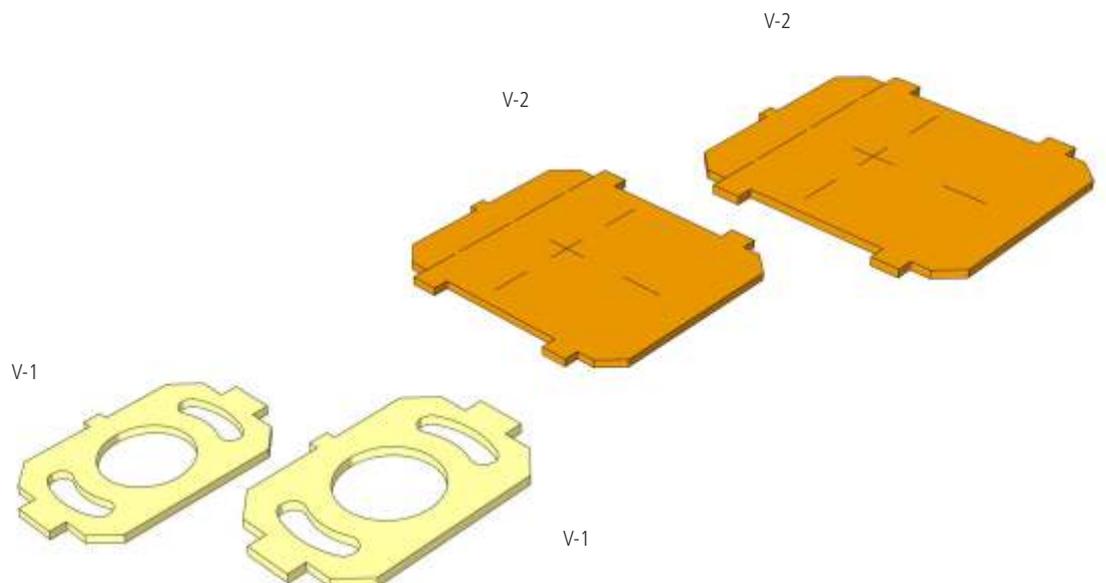
Secure with clamps until glue has completely dried.

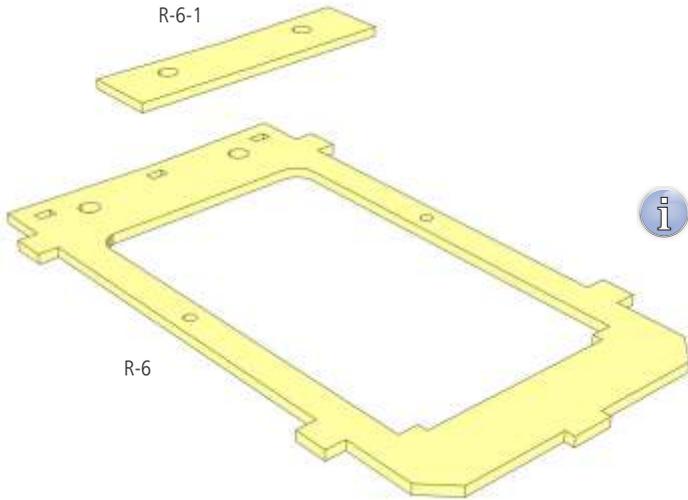


2

For IC power glue formers V-1 together as well as formers V-2. Make sure that contours of formers match perfectly.

Secure with clamps until glue has completely dried.





3

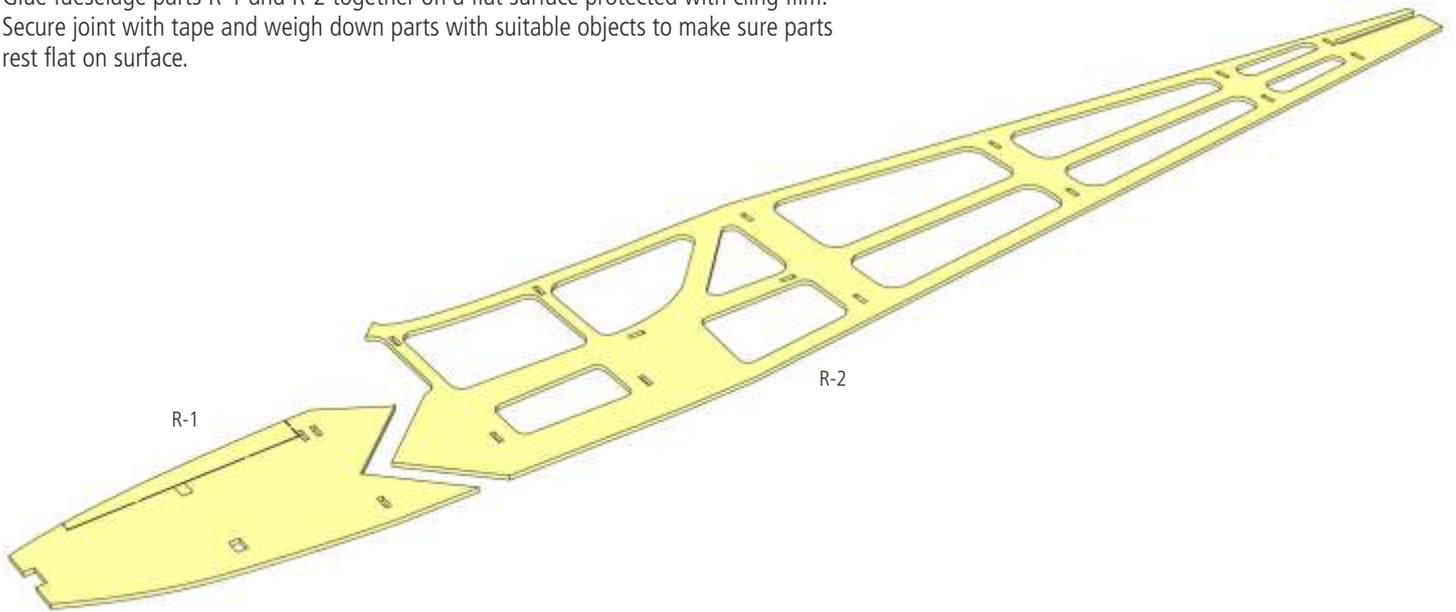
Glue reinforcement R-6-1 to the rear of former R-6. Make sure that holes for wing dowels match perfectly. A small step will result on the top to accommodate the wing. Temporarily insert wing dowels F-33 into holes for correct position, secure parts with clamps and remove wing dowels.



Note: Top contour of R-6-1 is angled for dihedral.

4

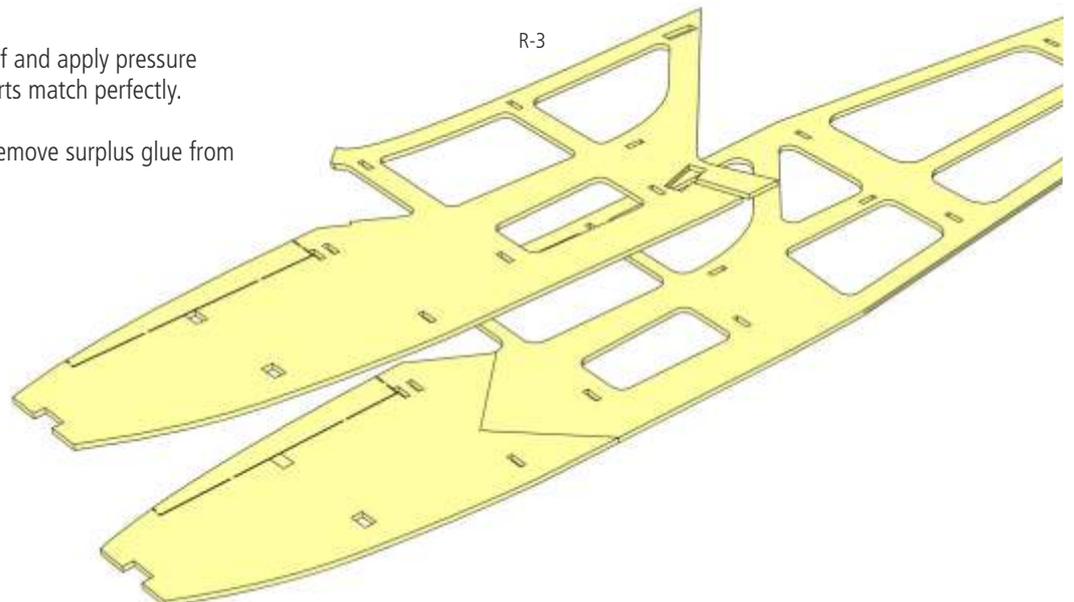
Glue fuselage parts R-1 and R-2 together on a flat surface protected with cling film. Secure joint with tape and weigh down parts with suitable objects to make sure parts rest flat on surface.



5

Glue doubler R-3 to right fuselage half and apply pressure evenly. Make sure that contours of parts match perfectly.

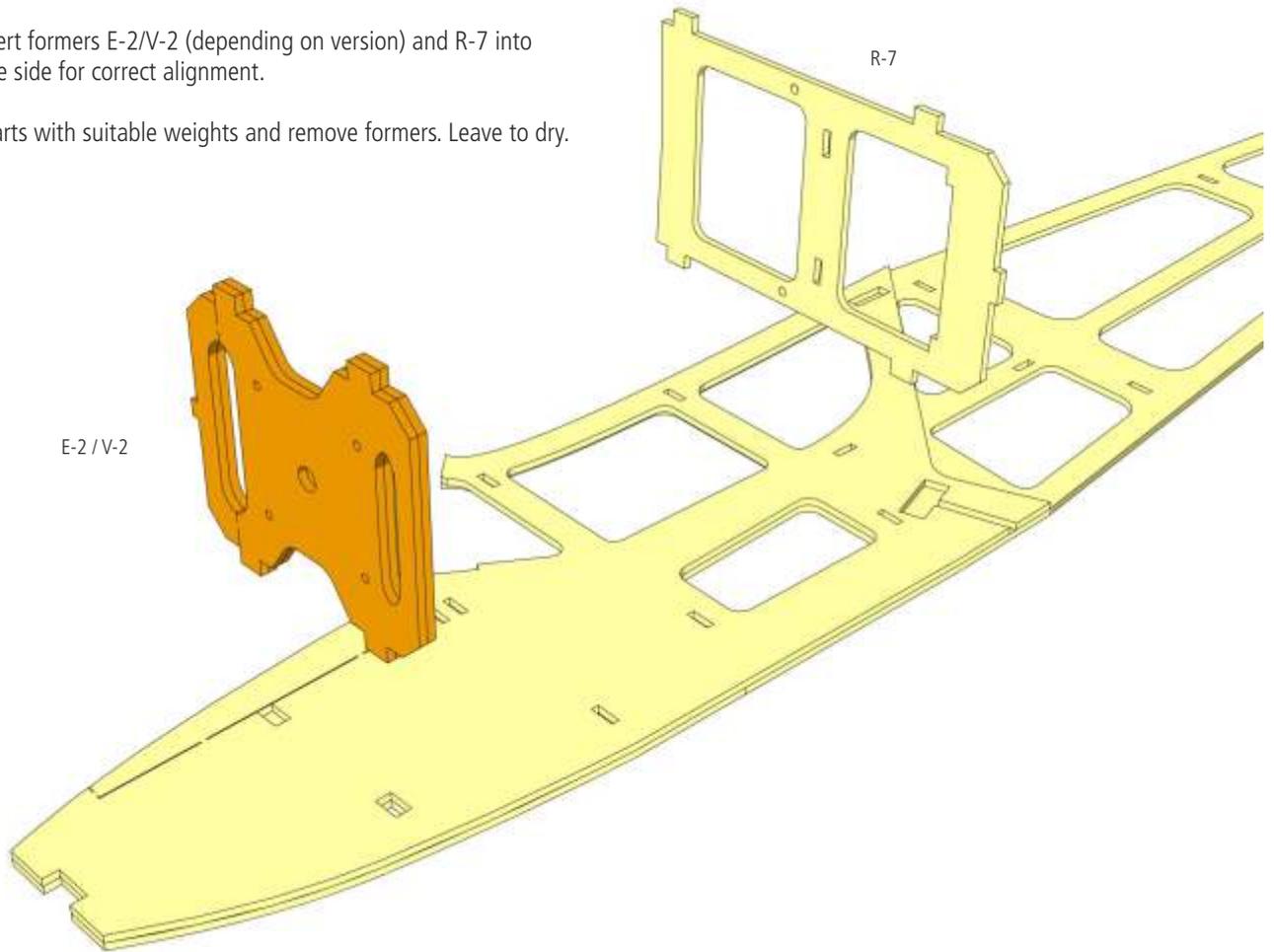
Turn fuselage side upside down and remove surplus glue from window cut-outs.



6

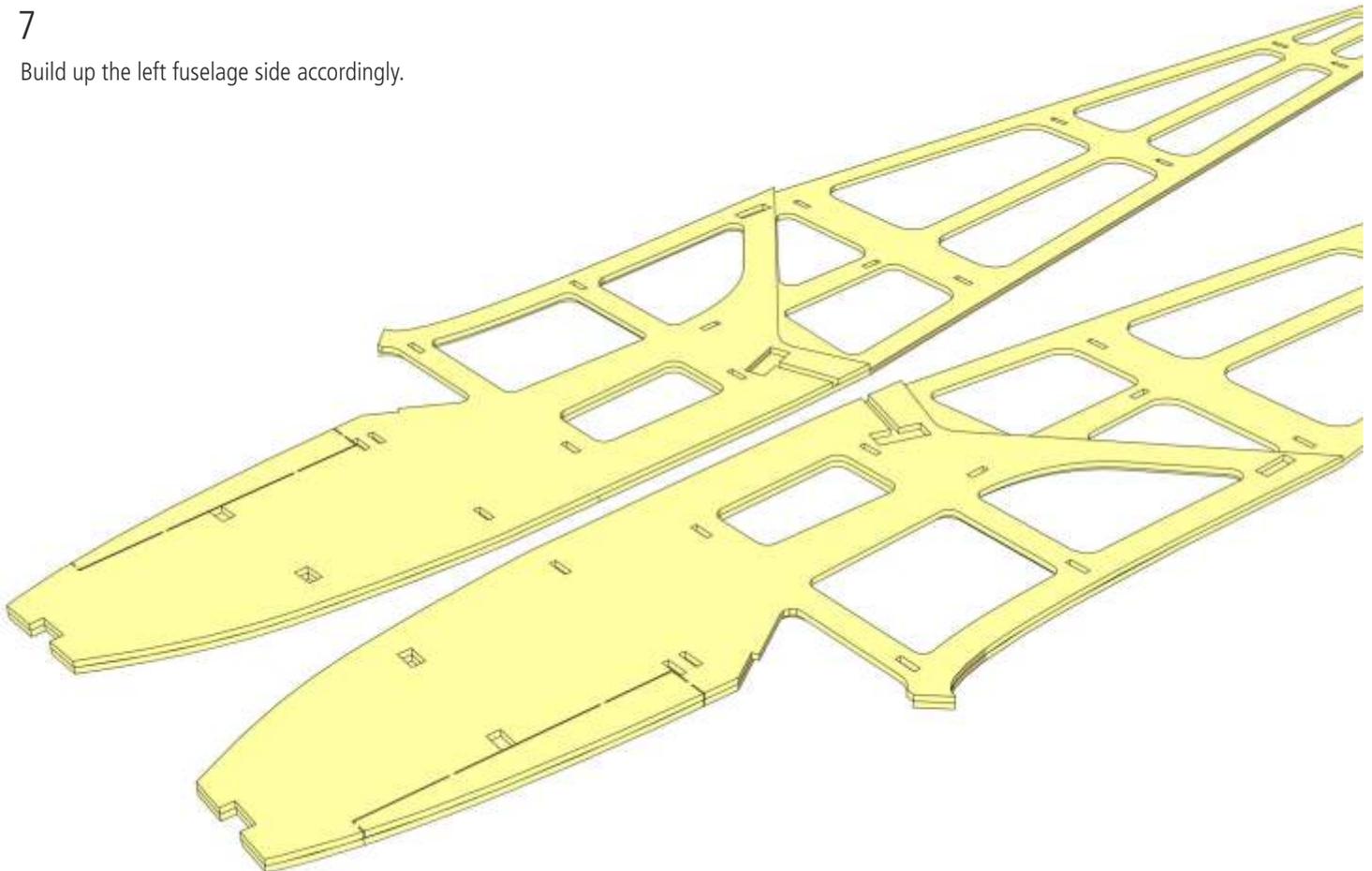
Temporarily insert formers E-2/V-2 (depending on version) and R-7 into slots of fuselage side for correct alignment.

Weigh down parts with suitable weights and remove formers. Leave to dry.



7

Build up the left fuselage side accordingly.

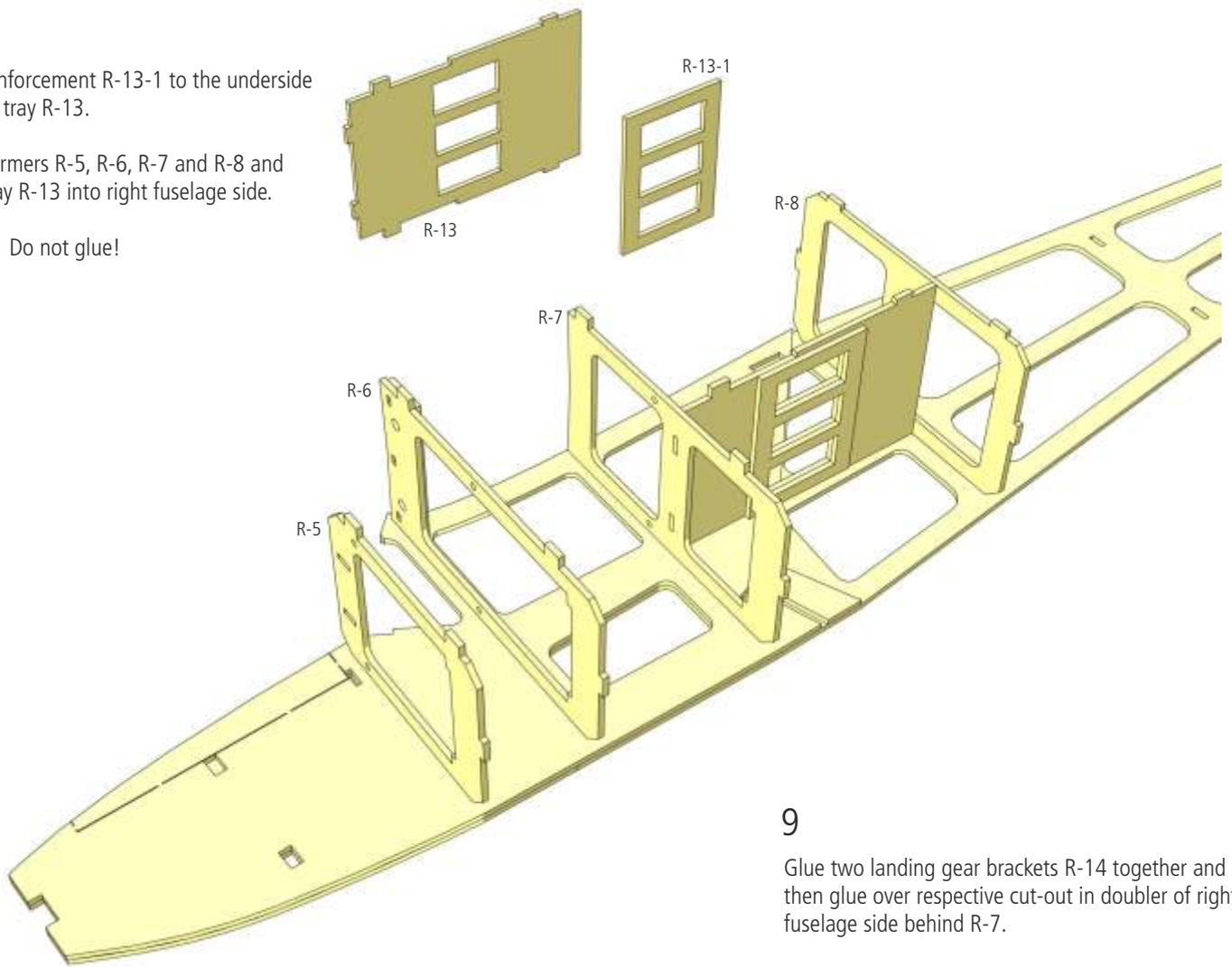


8

Glue reinforcement R-13-1 to the underside of servo tray R-13.

Insert formers R-5, R-6, R-7 and R-8 and servo tray R-13 into right fuselage side.

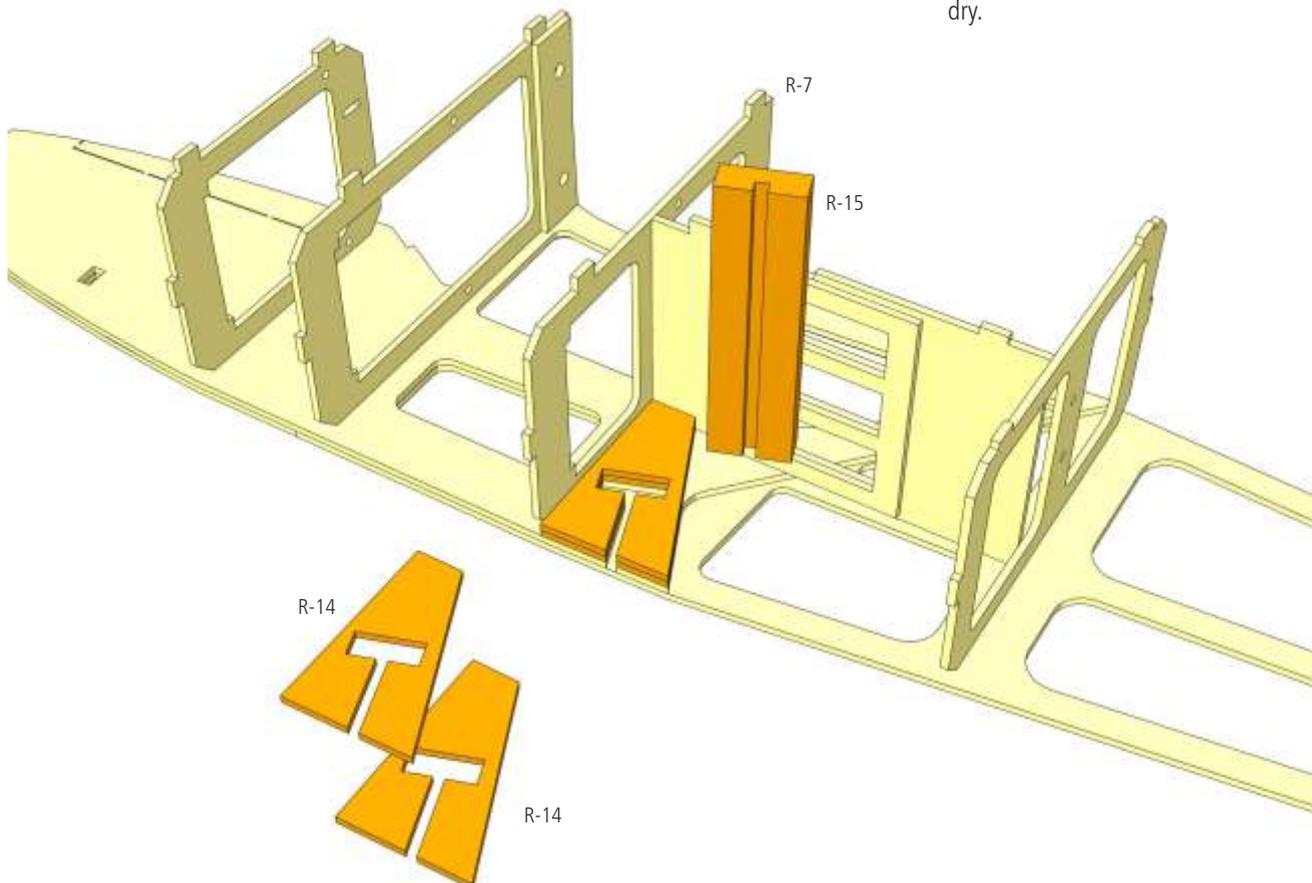
 Do not glue!



9

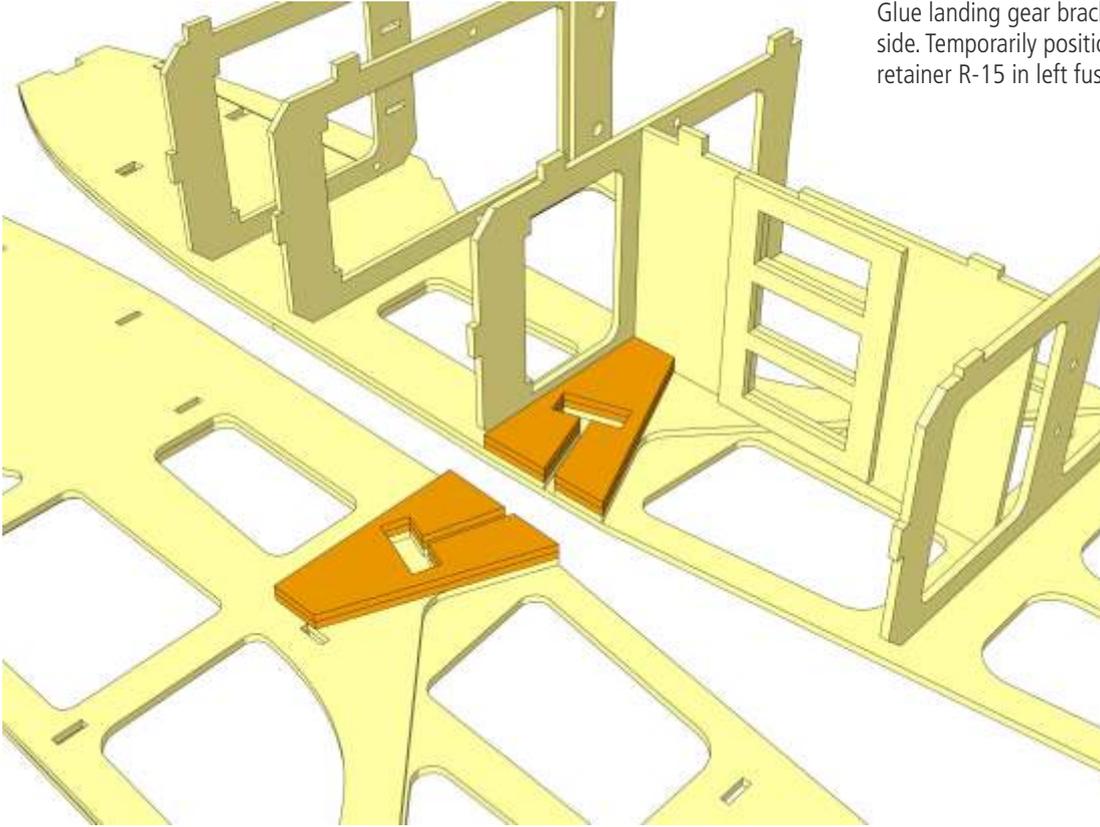
Glue two landing gear brackets R-14 together and then glue over respective cut-out in doubler of right fuselage side behind R-7.

Temporarily insert landing gear retainer R-15 into R-14 for correct alignment. Then remove R-15 and let dry.



10

Glue landing gear brackets R-14 in place on left fuselage side. Temporarily position former R-7 and landing gear retainer R-15 in left fuselage side for correct alignment.

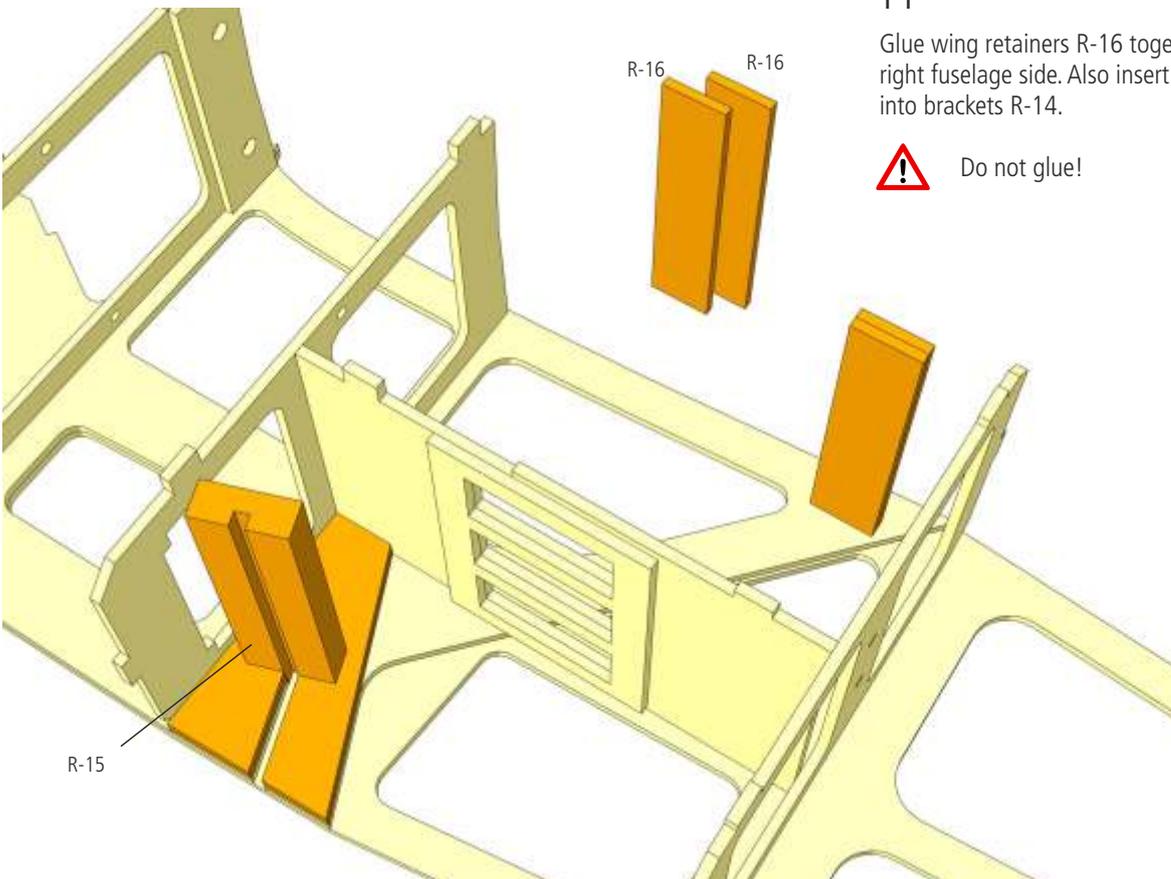


11

Glue wing retainers R-16 together and insert into notch in right fuselage side. Also insert landing gear retainer R-15 into brackets R-14.



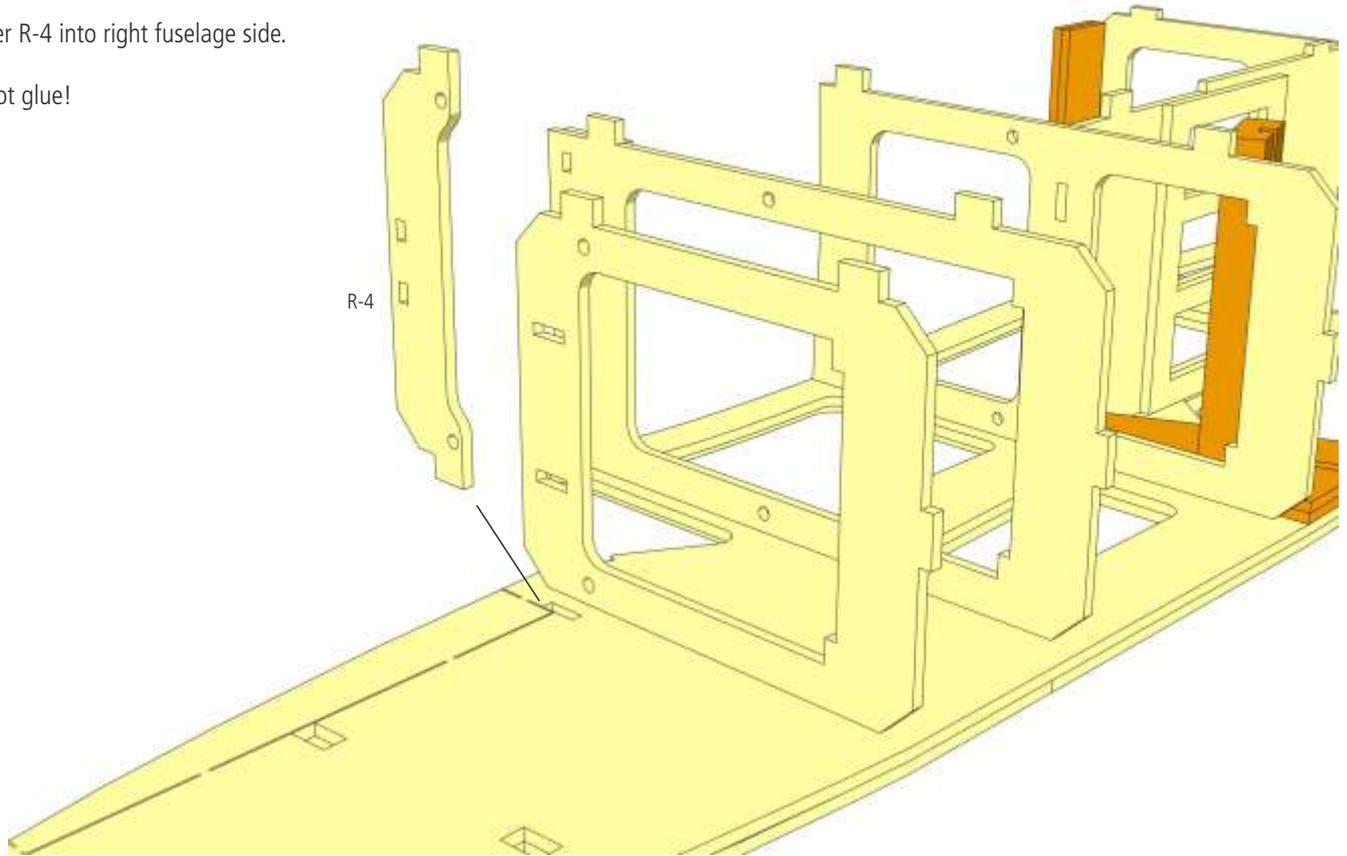
Do not glue!



12

Insert former R-4 into right fuselage side.

 Do not glue!

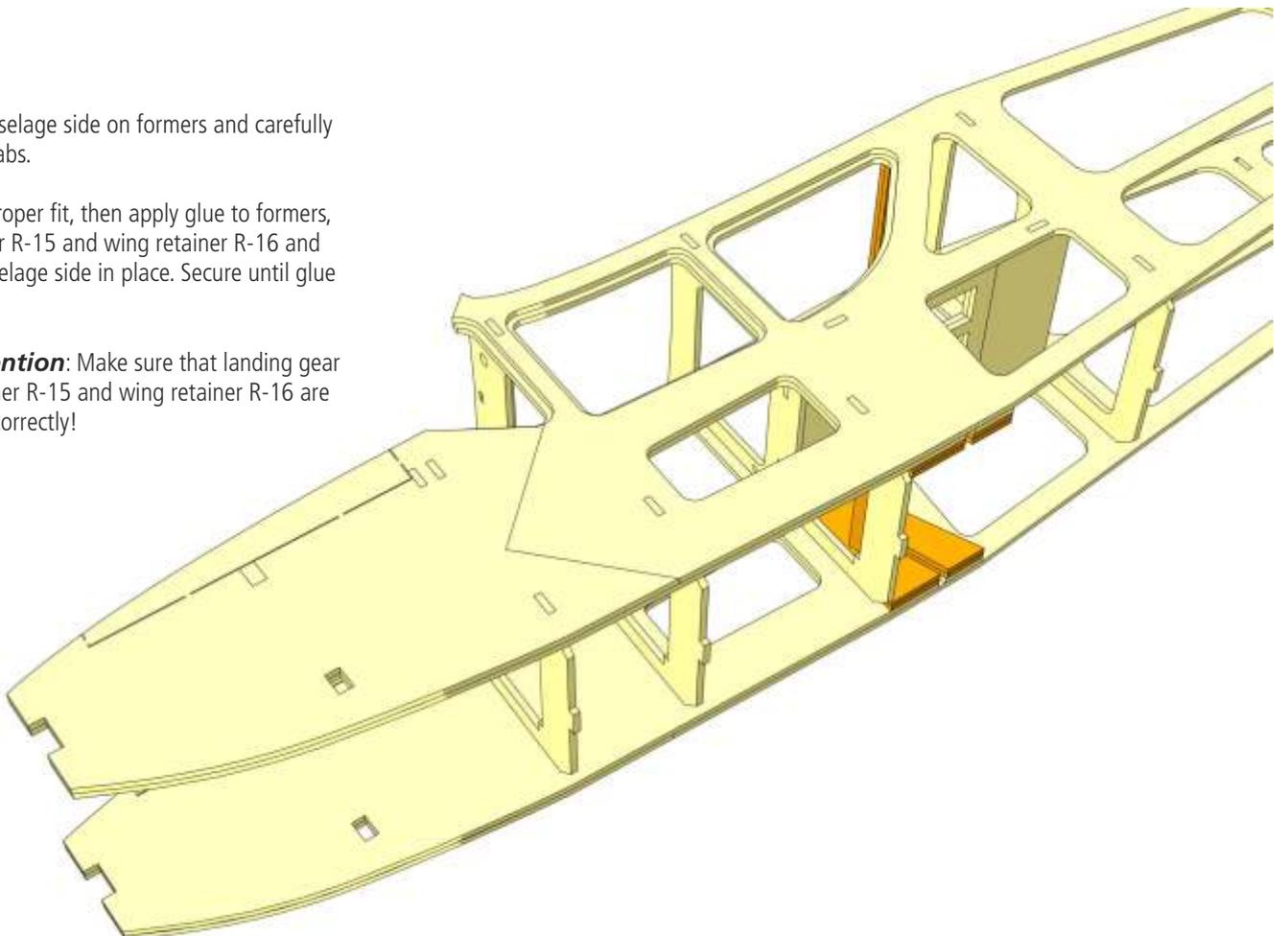


13

Place left fuselage side on formers and carefully align with tabs.

Check for proper fit, then apply glue to formers, landing gear R-15 and wing retainer R-16 and glue left fuselage side in place. Secure until glue has dried.

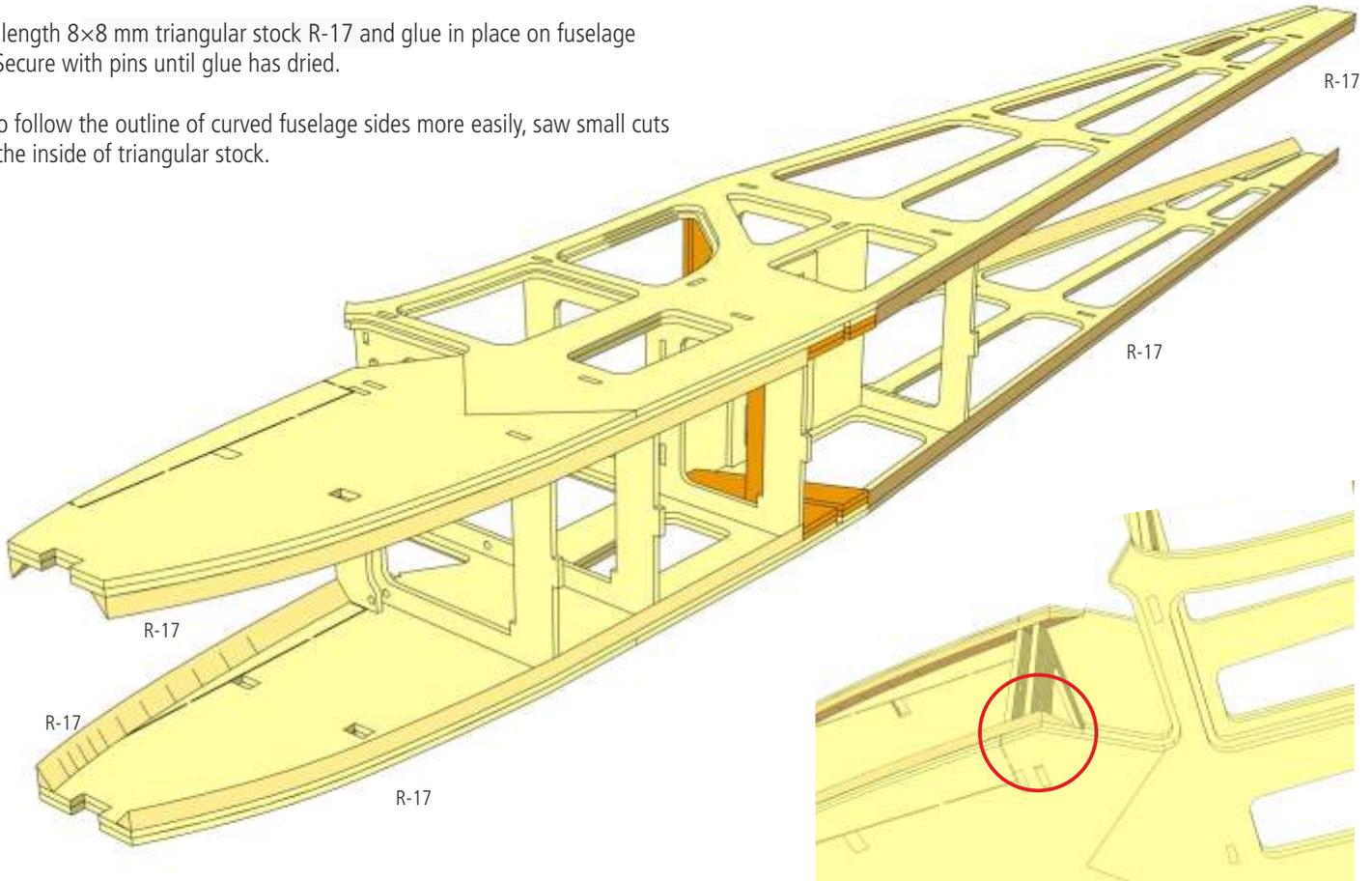
 **Attention:** Make sure that landing gear retainer R-15 and wing retainer R-16 are positioned correctly!



14

Cut to length 8x8 mm triangular stock R-17 and glue in place on fuselage sides. Secure with pins until glue has dried.

Tip: To follow the outline of curved fuselage sides more easily, saw small cuts along the inside of triangular stock.

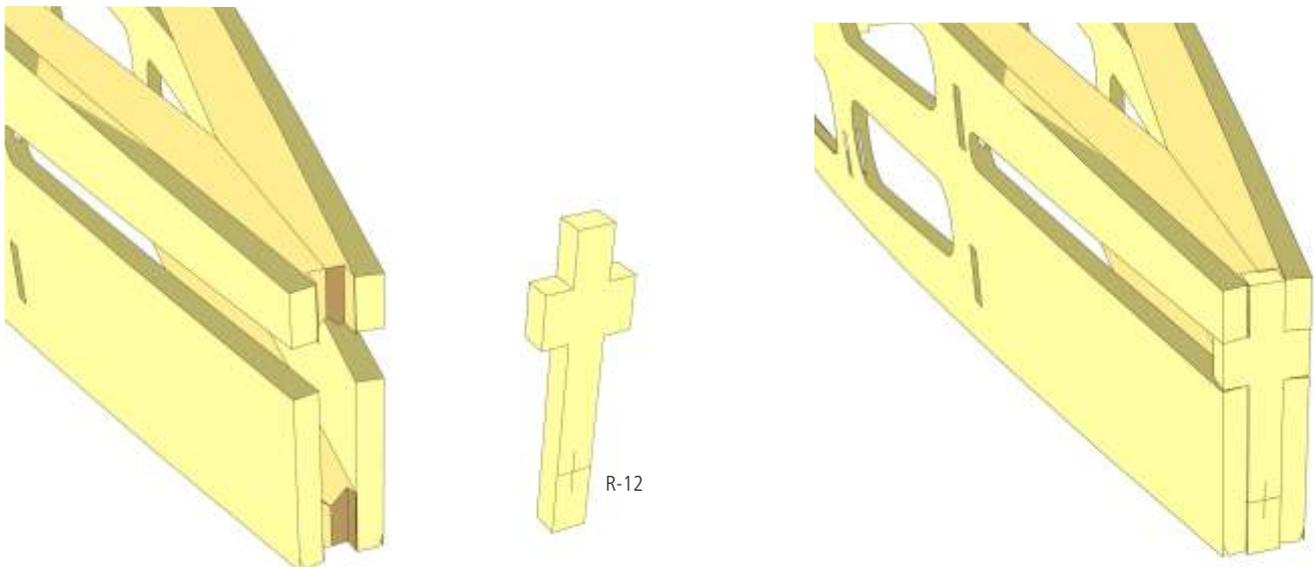


15

Carefully sand triangular stock flush with top and bottom contours of fuselage sides. Pull together rear ends of fuselage sides, sand contact surfaces of triangular stock to appropriate angle and fit former R-12 in place.

 Do not glue former R-12 in place!

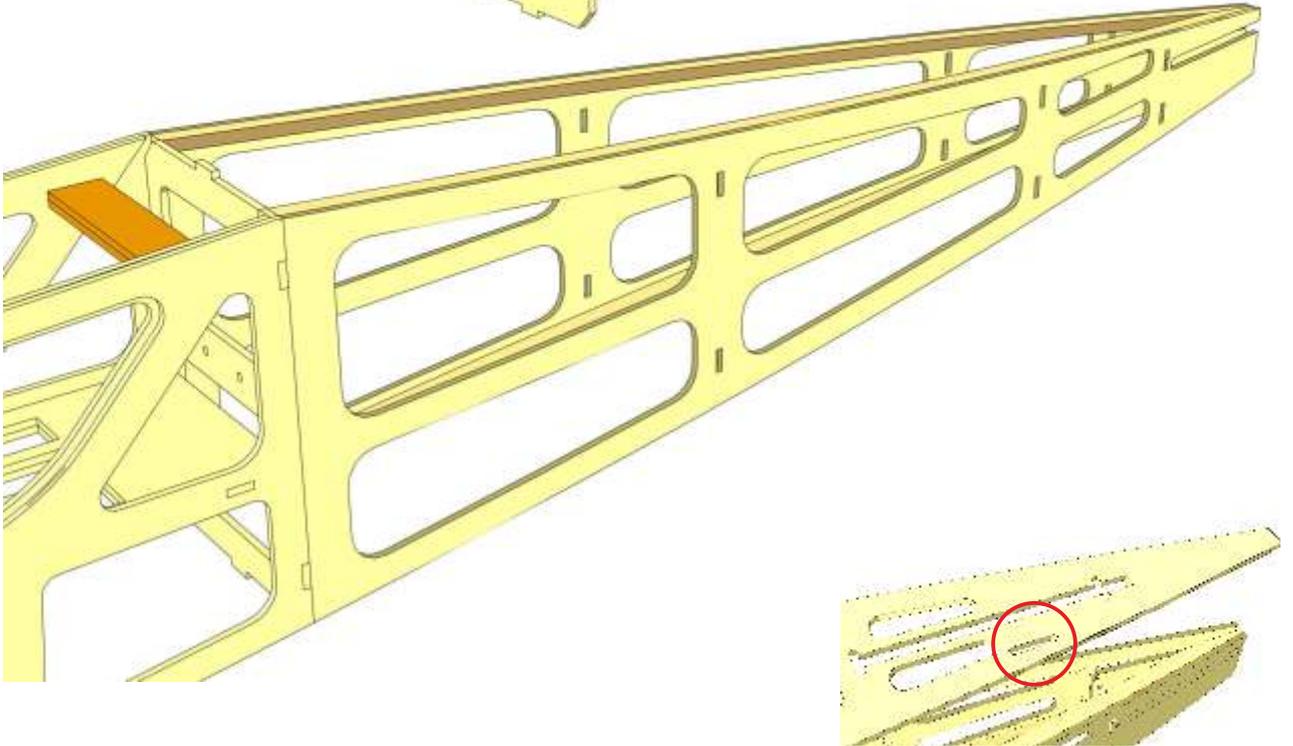
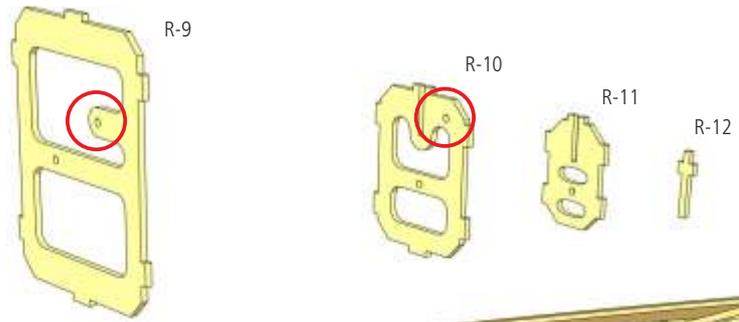
 **Note:** Cut off triangular stock flush with cockpit opening.



16

Glue formers R-9 to R-12 inplace and secure with clamps and tape. Make sure mrkings on R-12 face aft. Check fuselage for symmetry!

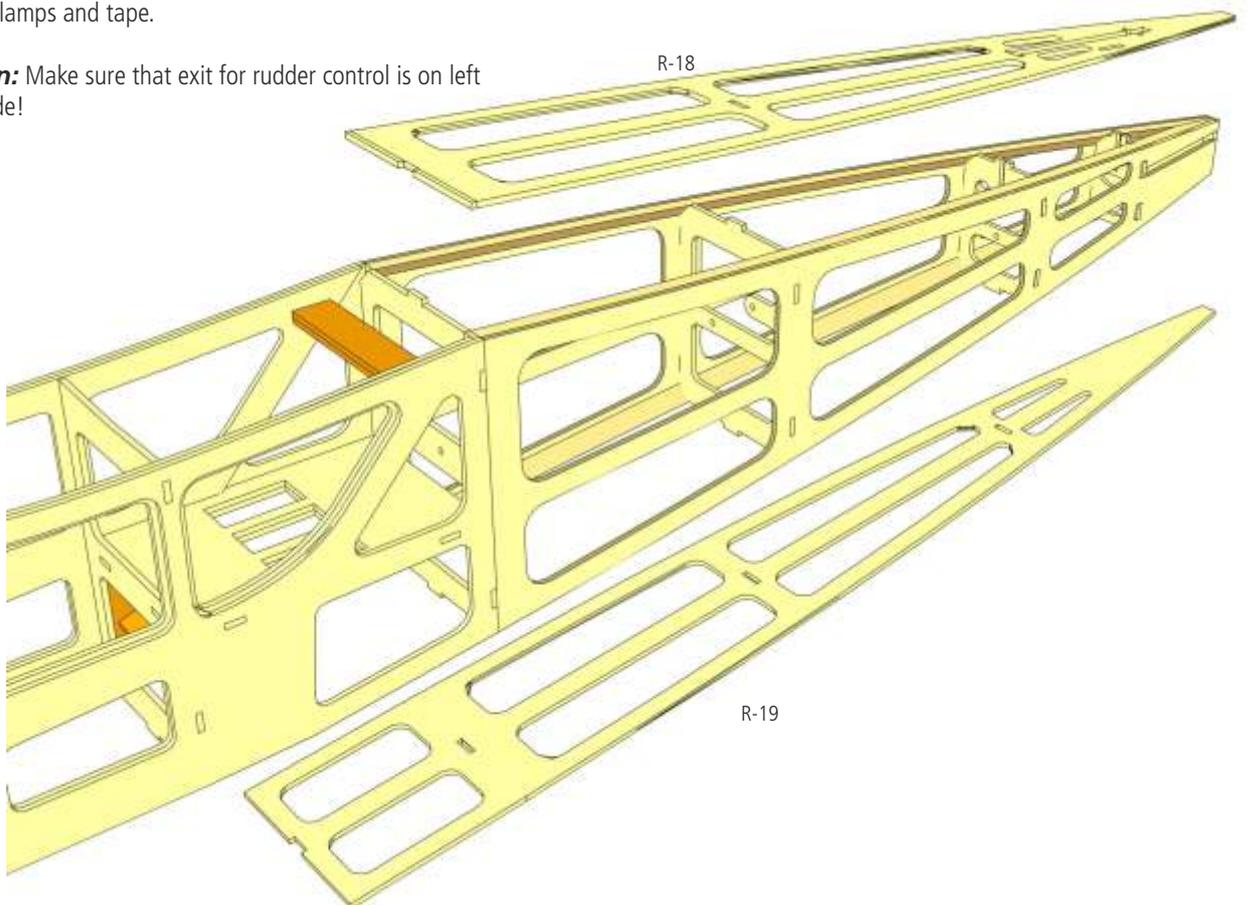
 **Attention:** Holes for rudder control in formers R-9 and R-10 must be on left fuselage side!



17

Again check contact surfaces of fuselage sides and triangular stock, then glue fueselage top R-18 and fuselage bottom R-19 in place and secure with clamps and tape.

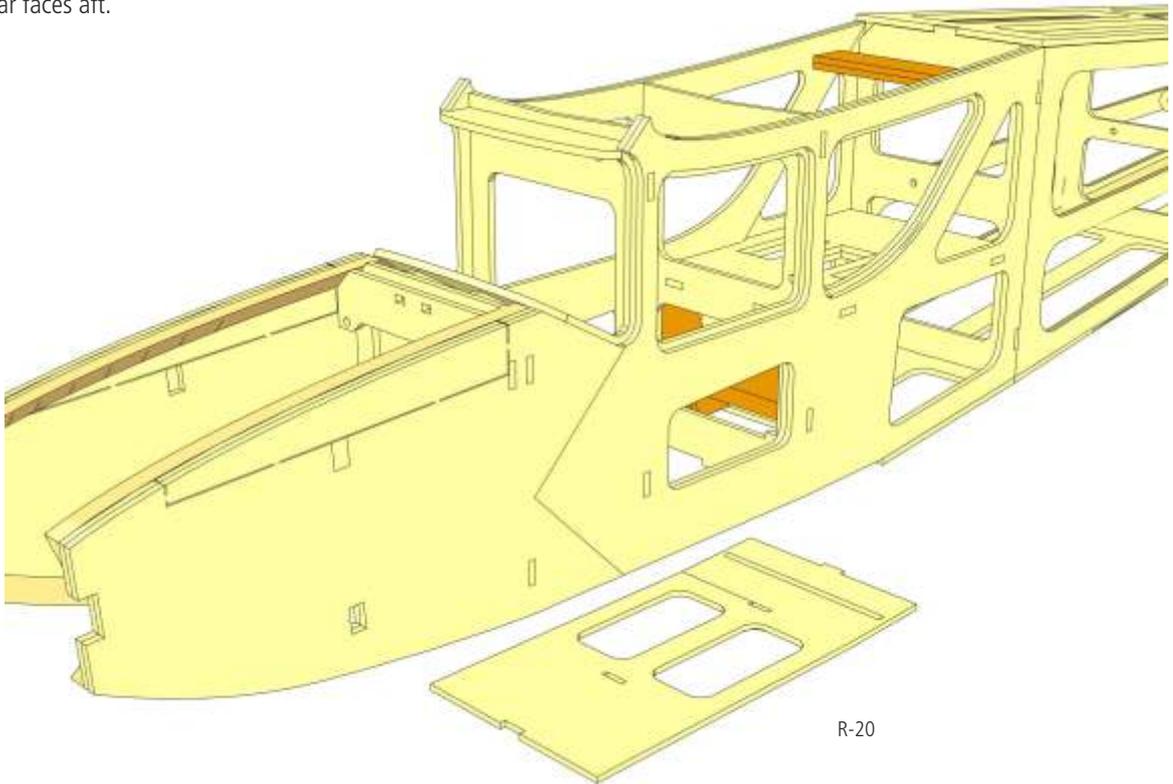
 **Attention:** Make sure that exit for rudder control is on left fuselage side!



18

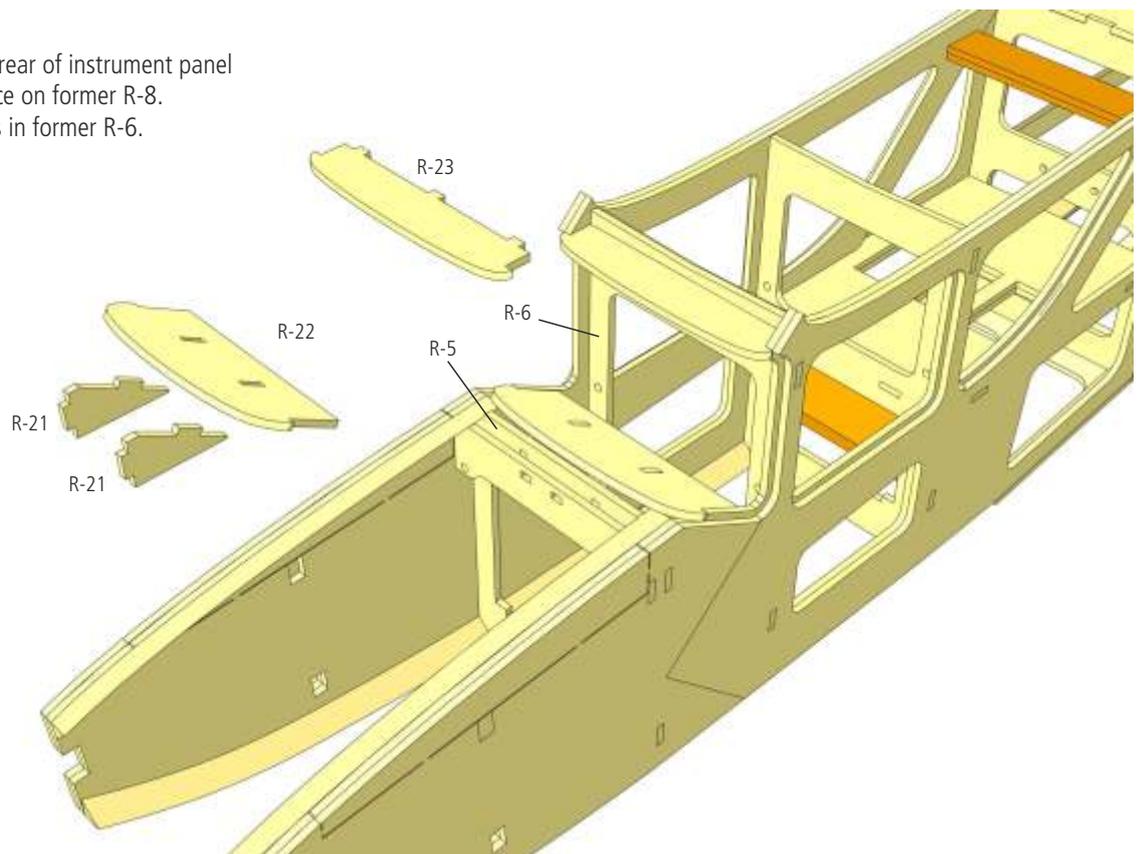
Glue in place fuselage bottom sheeting R-20 and make sure slot for landing gear faces aft.

Secure with tape.



19

Glue retaining brackets R-21 to rear of instrument panel R-22, then glue assembly in place on former R-8. Glue cockpit roof R-23 into slots in former R-6.

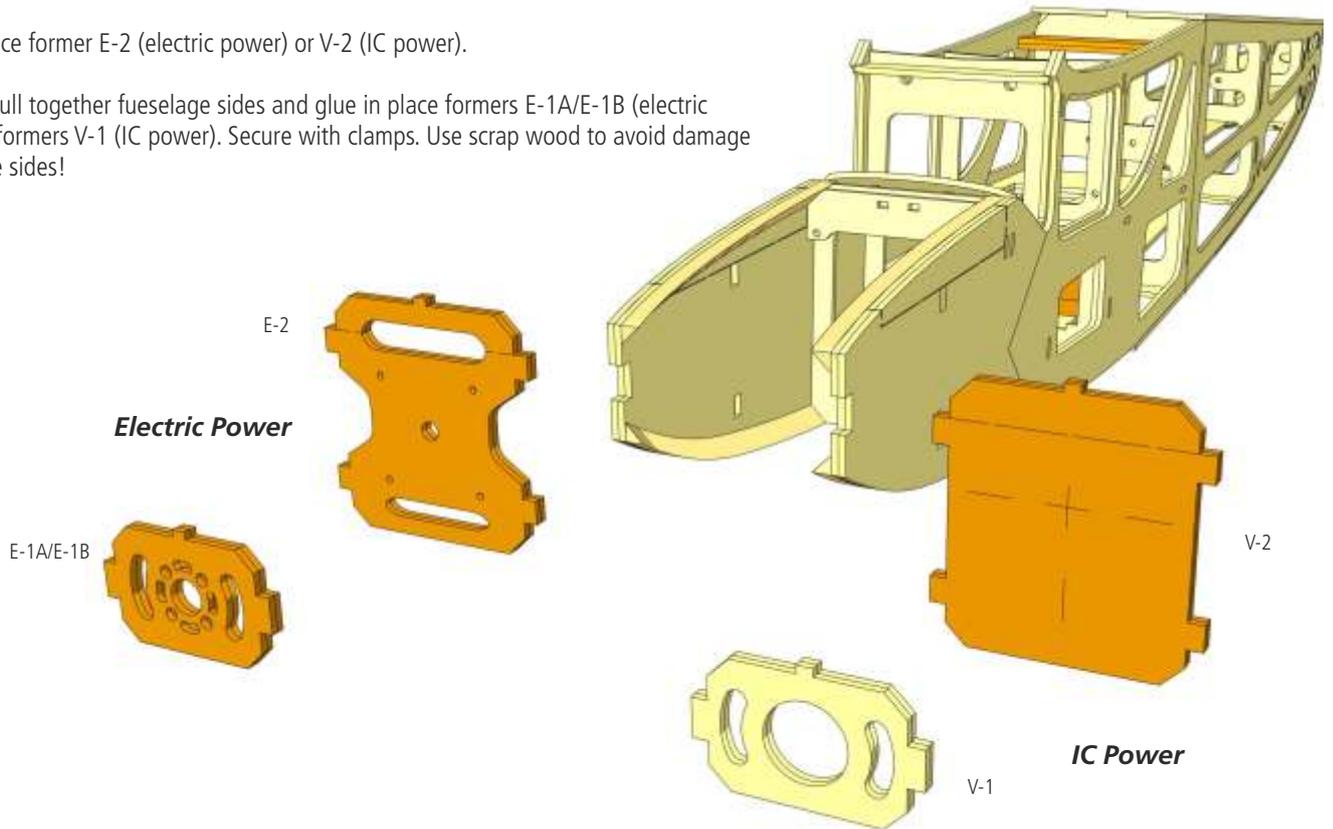


20

i IC Power: Before you glue former V-2 in place, drill holes for motor mount, throttle control linkage and fuel line. The crankshaft position is indicated on the former. If motor mount provides notches for nose wheel gear, holes for included plastic nose gear bracket do not apply.

Glue in place former E-2 (electric power) or V-2 (IC power).

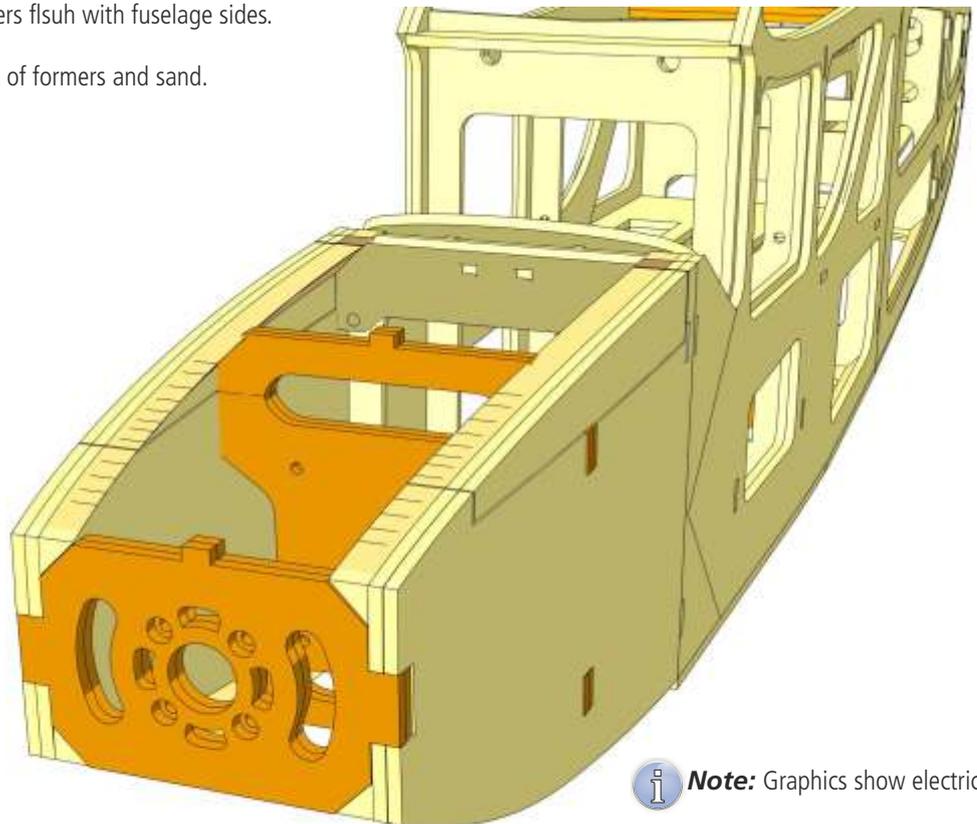
Carefully pull together fuselage sides and glue in place formers E-1A/E-1B (electric power) or formers V-1 (IC power). Secure with clamps. Use scrap wood to avoid damage to fuselage sides!



21

Carefully sand top and bottom of formers flush with fuselage sides.

Cut off triangular stock flush with front of formers and sand.



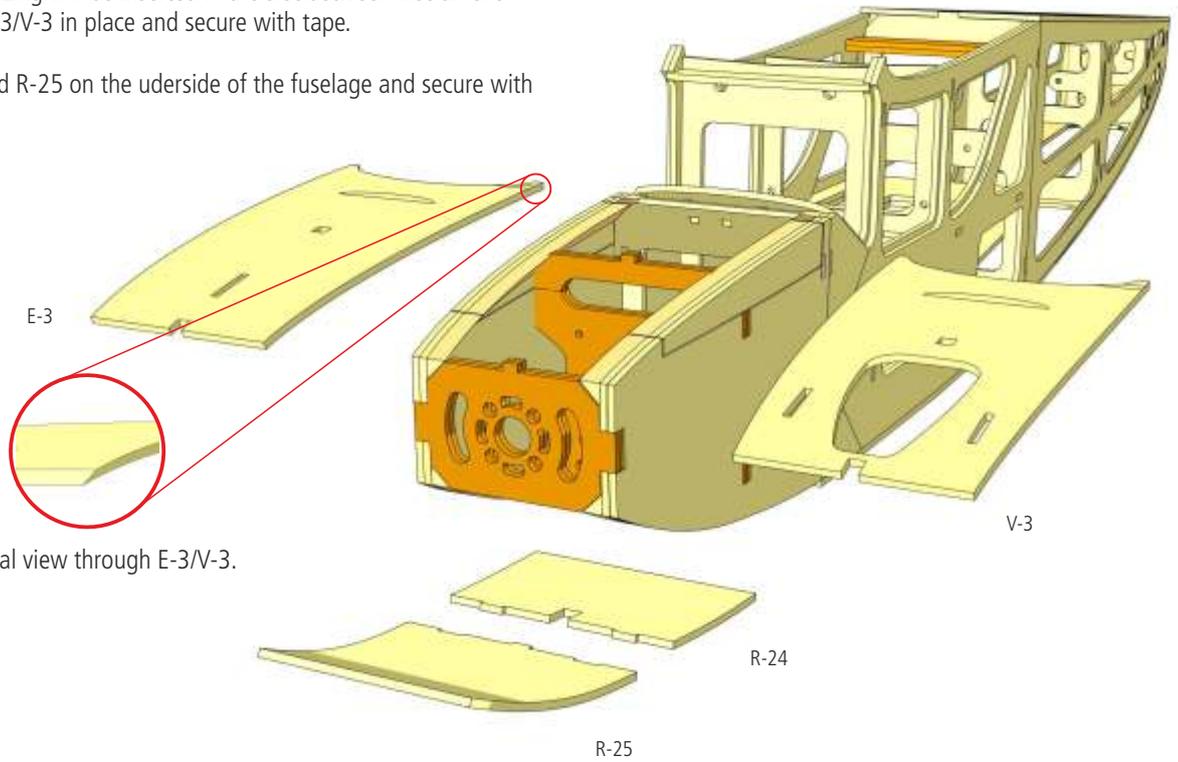
i Note: Graphics show electric version.

22

In the following building step use E-3 for electric power and V-3 for IC power.

Carefully bevel curve at rear of E-3 and V-3 to the front and to the bottom. This is where the front cockpit glazing will be inserted in the slot between instrument panel and E-3/V-3. Glue E-3/V-3 in place and secure with tape.

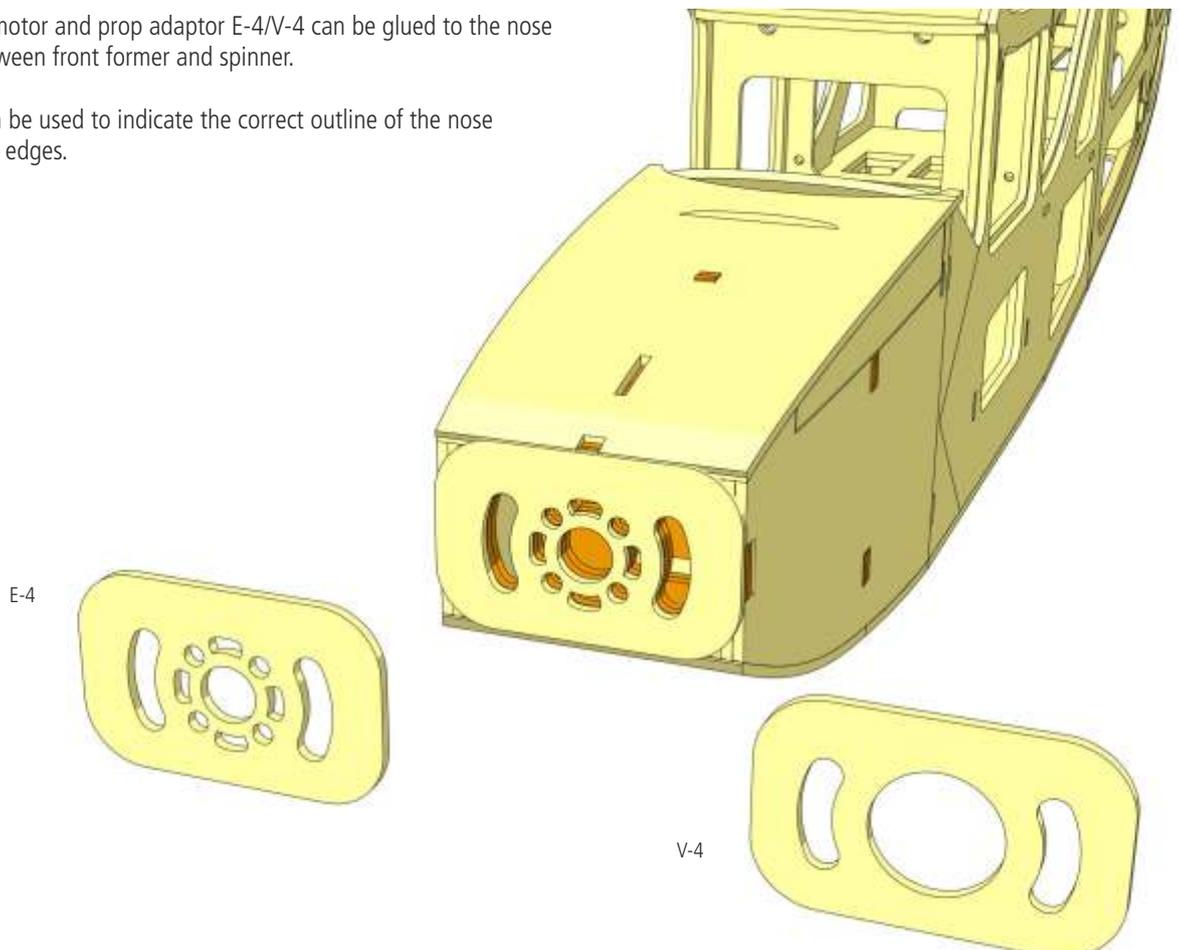
Glue in place part R-24 and R-25 on the underside of the fuselage and secure with tape.



23

Depending on selected motor and prop adaptor E-4/V-4 can be glued to the nose to minimize the gap between front former and spinner.

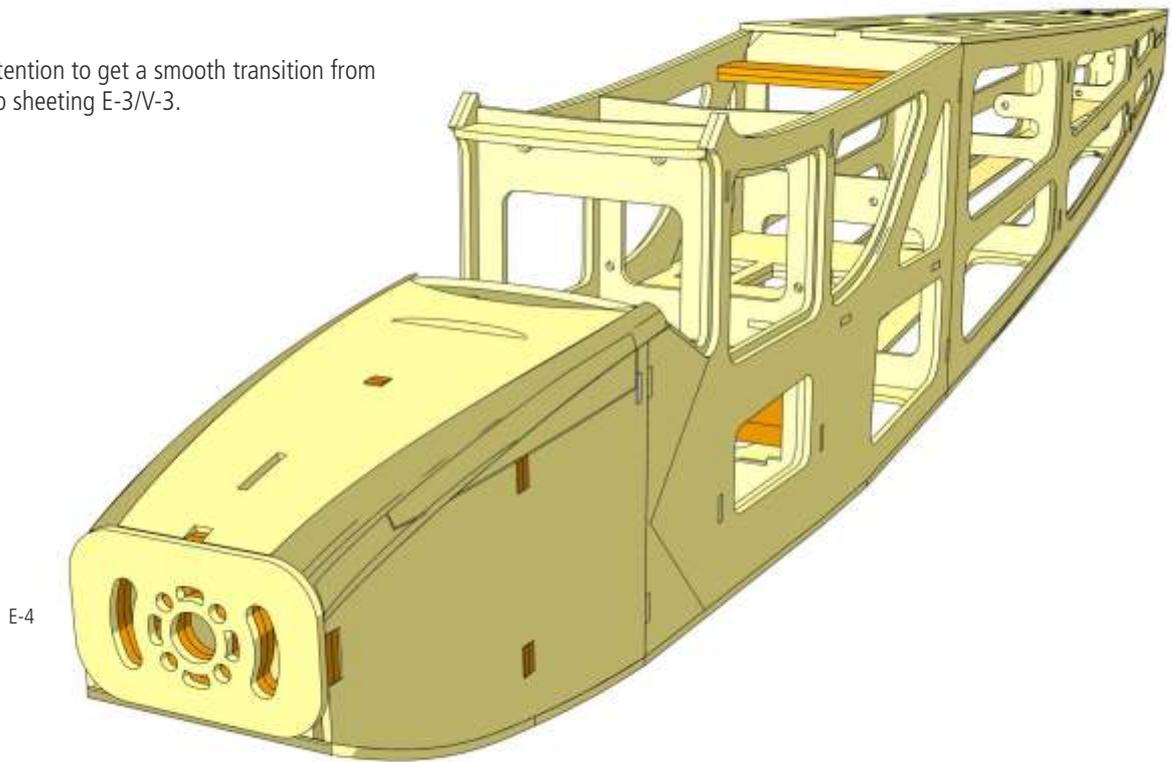
Additionally, E-4/V-4 can be used to indicate the correct outline of the nose before you round off the edges.



24

Carefully sand fuselage and round off the edges with special attention to the nose section. Use E-4/V-4 for symmetry at the front end.

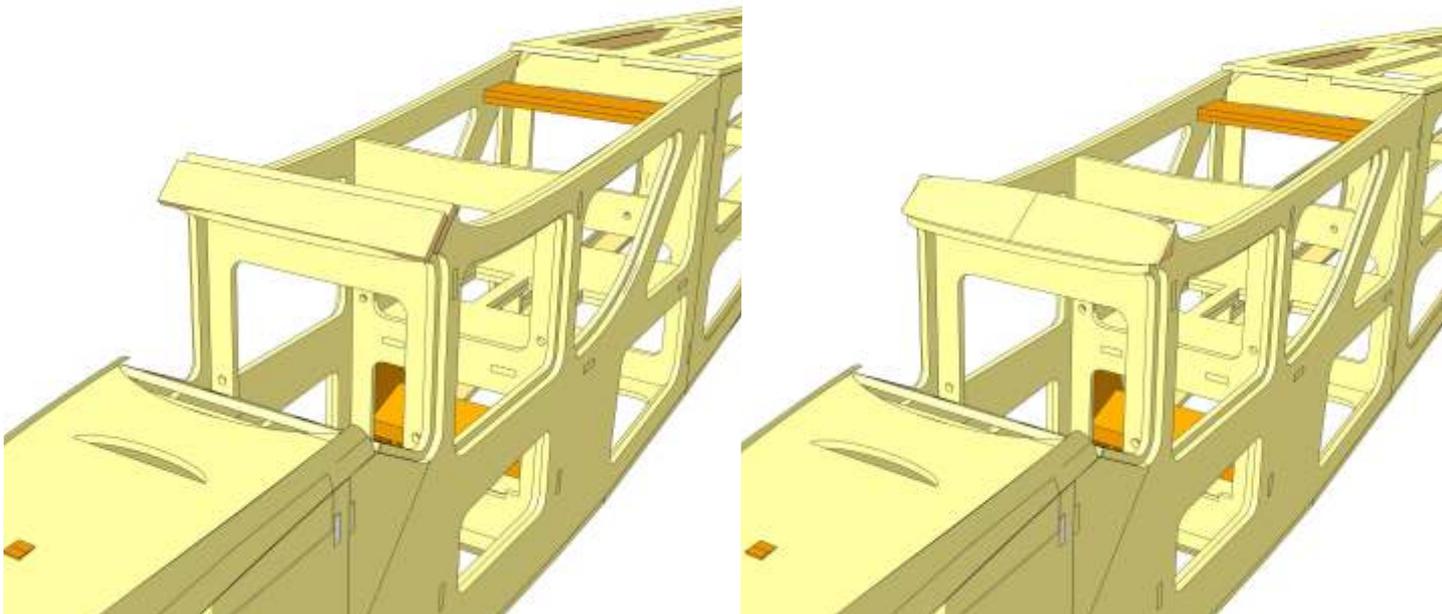
Also pay special attention to get a smooth transition from fuselage side to top sheeting E-3/V-3.



25

Glue two or three rectangular pieces of balsa scrapwood to cabin roof R-23 (for example excess wing sheeting material) and sand to shape.

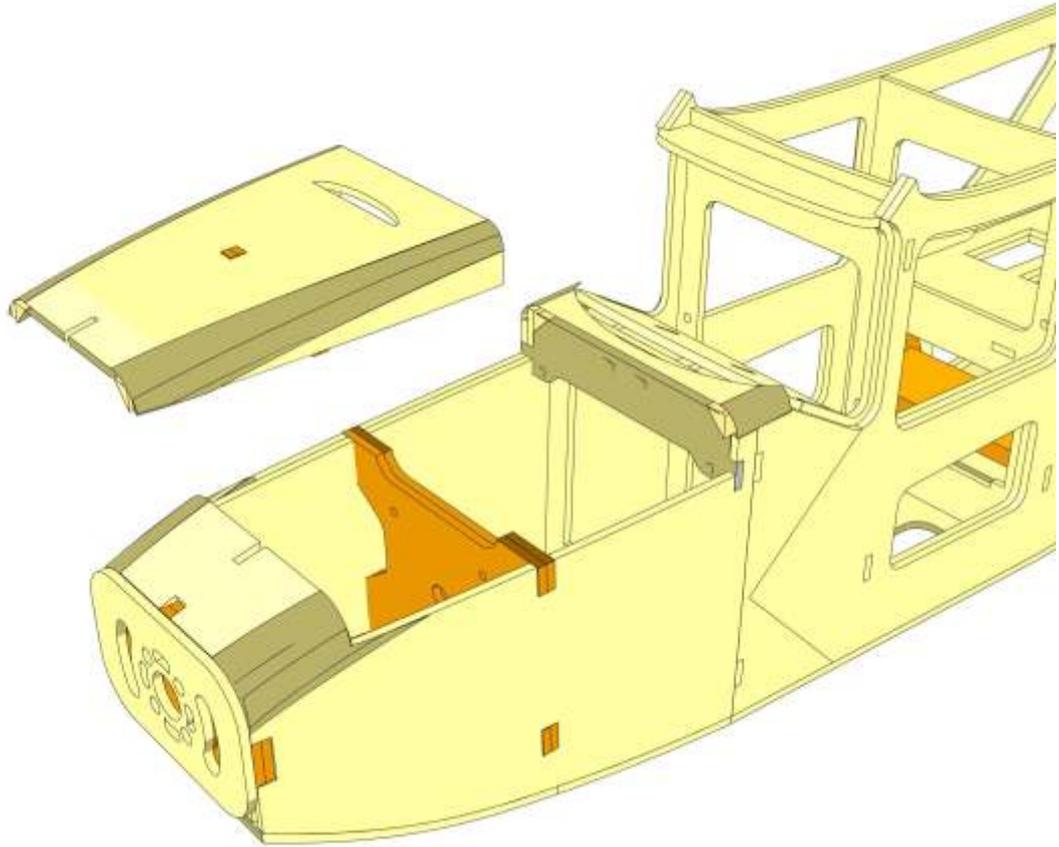
The cabin windscreen will be glued in place there later on.



26

Use a modeller's knife and a razor saw to cut out the top of the cowling and remove from fuselage.

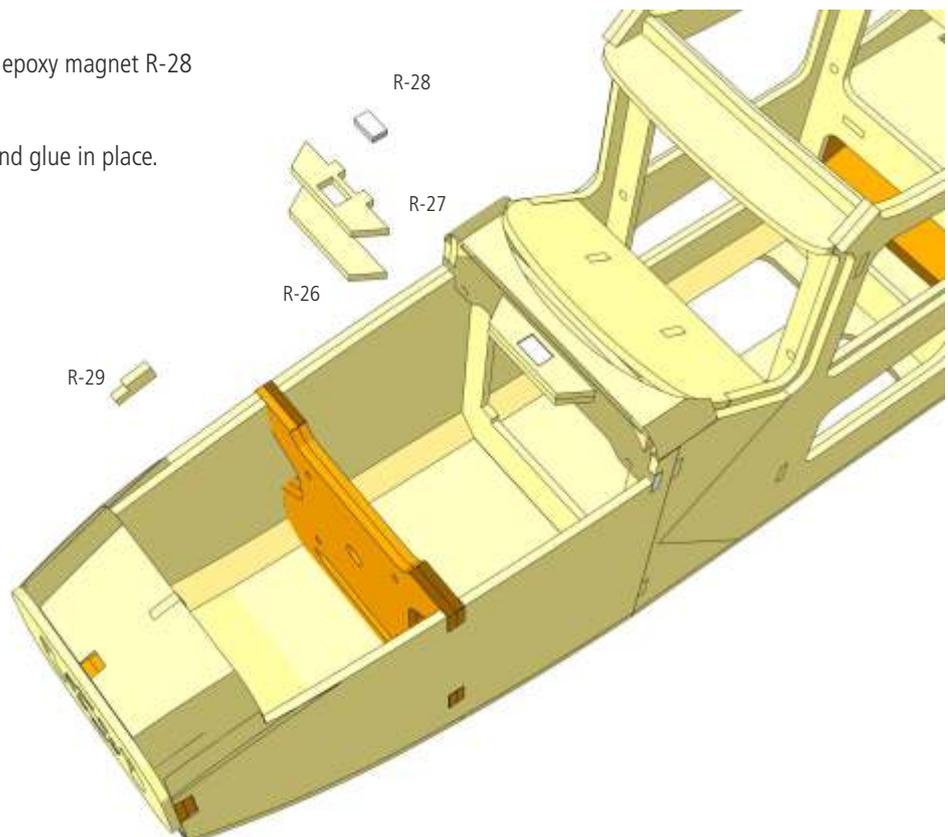
Sand contact surfaces to a smooth finish.



27

Glue parts R-26 and R-27 together, then epoxy magnet R-28 into bracket.

Slide tab R-29 into slot of top sheeting and glue in place.

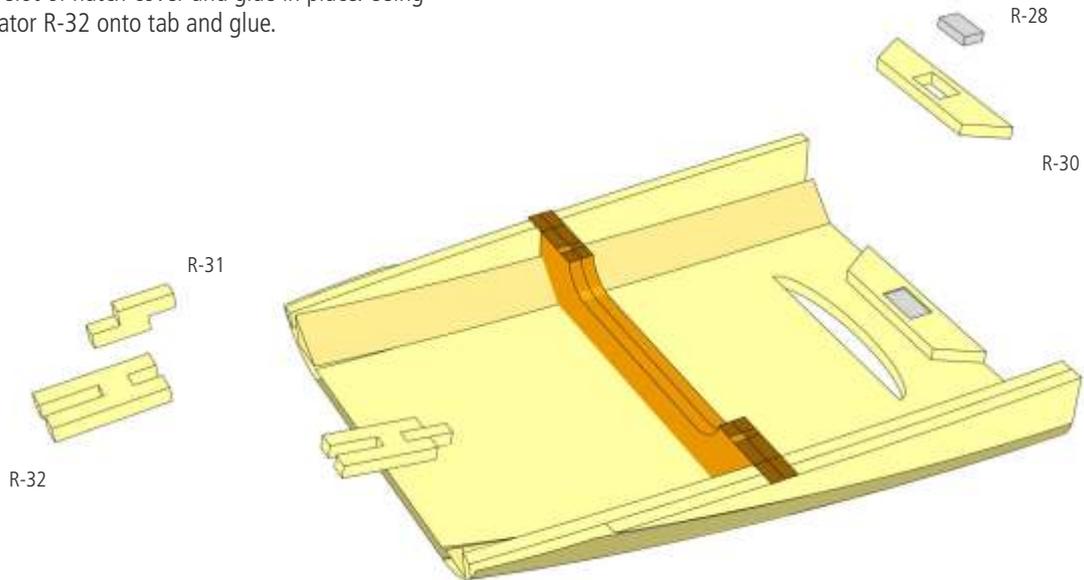


28

Glue bracket R-30 to underside of hatch cover. Make sure to centre R-30 at rear end. Then epoxy magnet R-28 into bracket.

⚠ Attention: Make sure to check polarity of magnets before you glue!

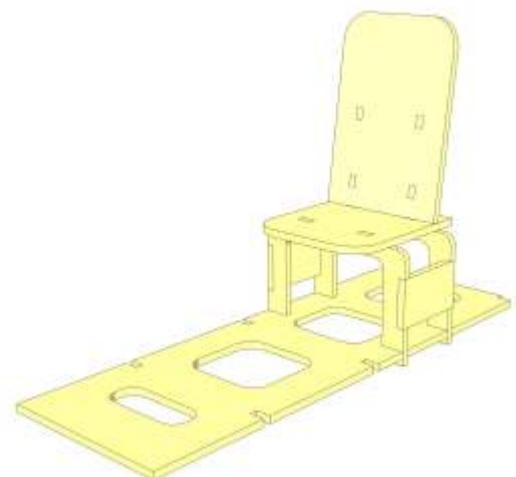
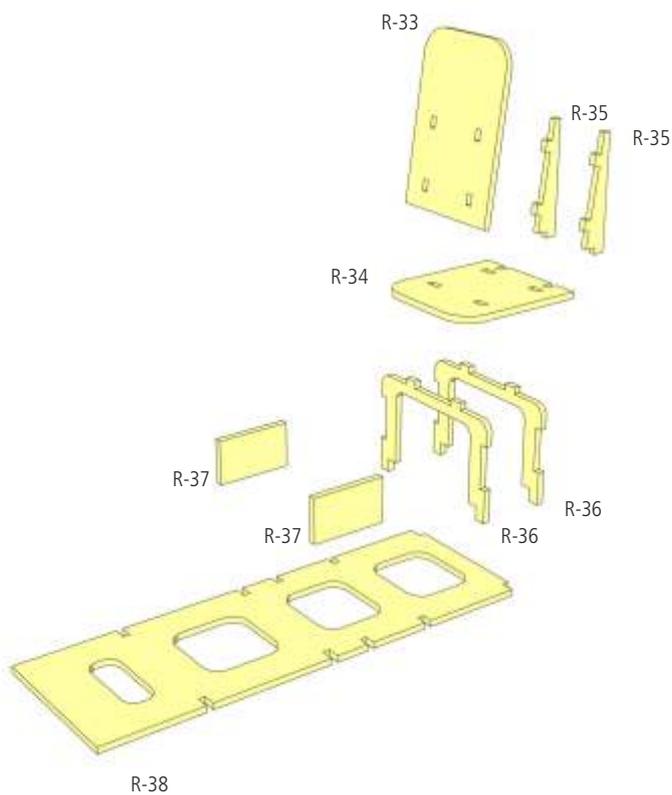
Slide tab R-31 into slot of hatch cover and glue in place. Using short slot, slide locator R-32 onto tab and glue.



29

Assemble and glue pilot's seat from parts R-33 to R-37. Then fit assembly into slots of battery tray R-38, but do not glue in place!

Pilot's seat assembly can be removed later on for easy access to battery or fuel tank.

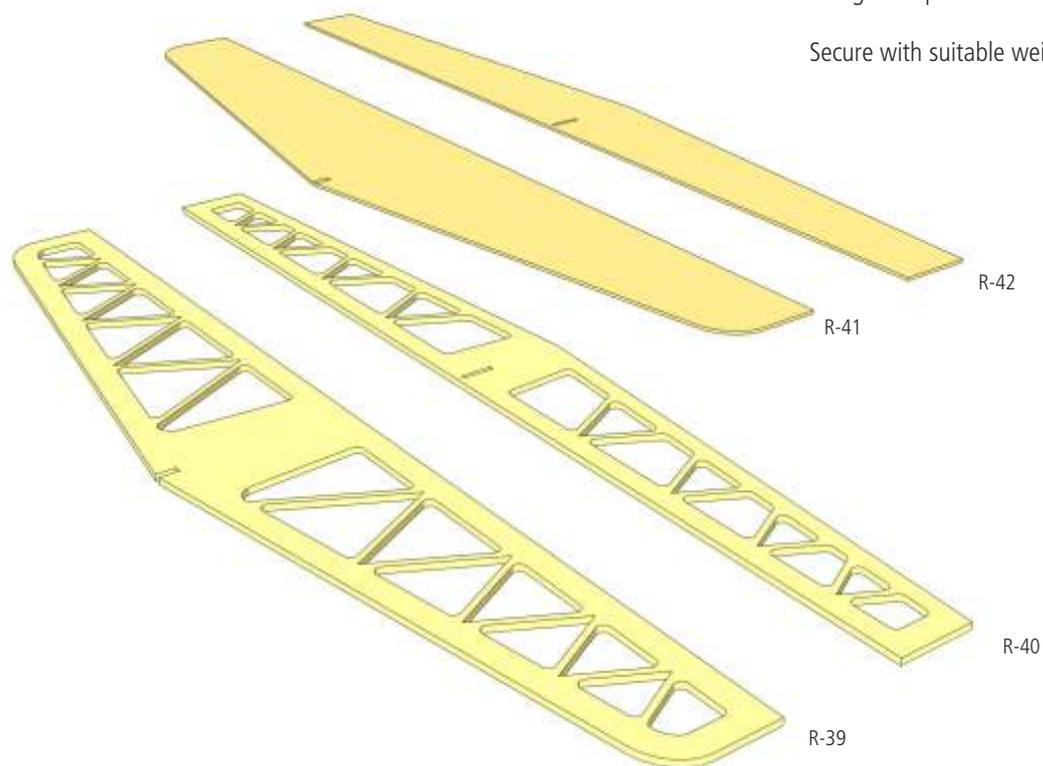


Tail unit

30

Place stabilizer R-39 and elevator R-40 on an even building board and glue in place sheeting material R-41 and R-42.

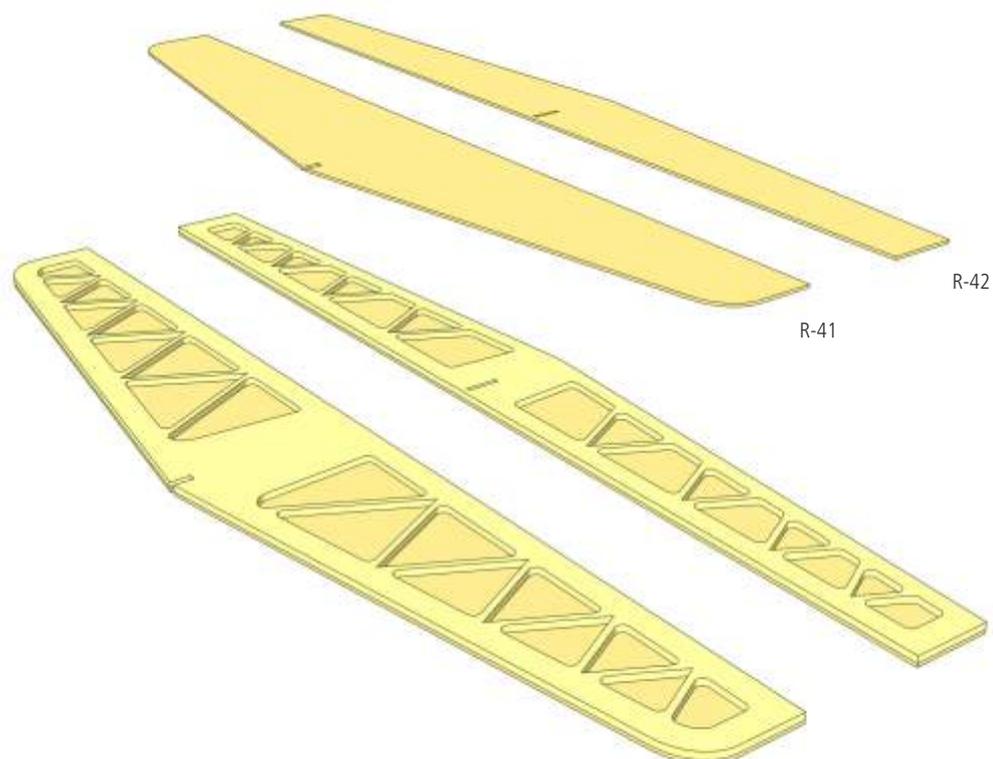
Secure with suitable weights until glue has dried.



31

Turn parts of tail unit upside down and glue sheeting material R-41 and R-42 to underside of tail unit.

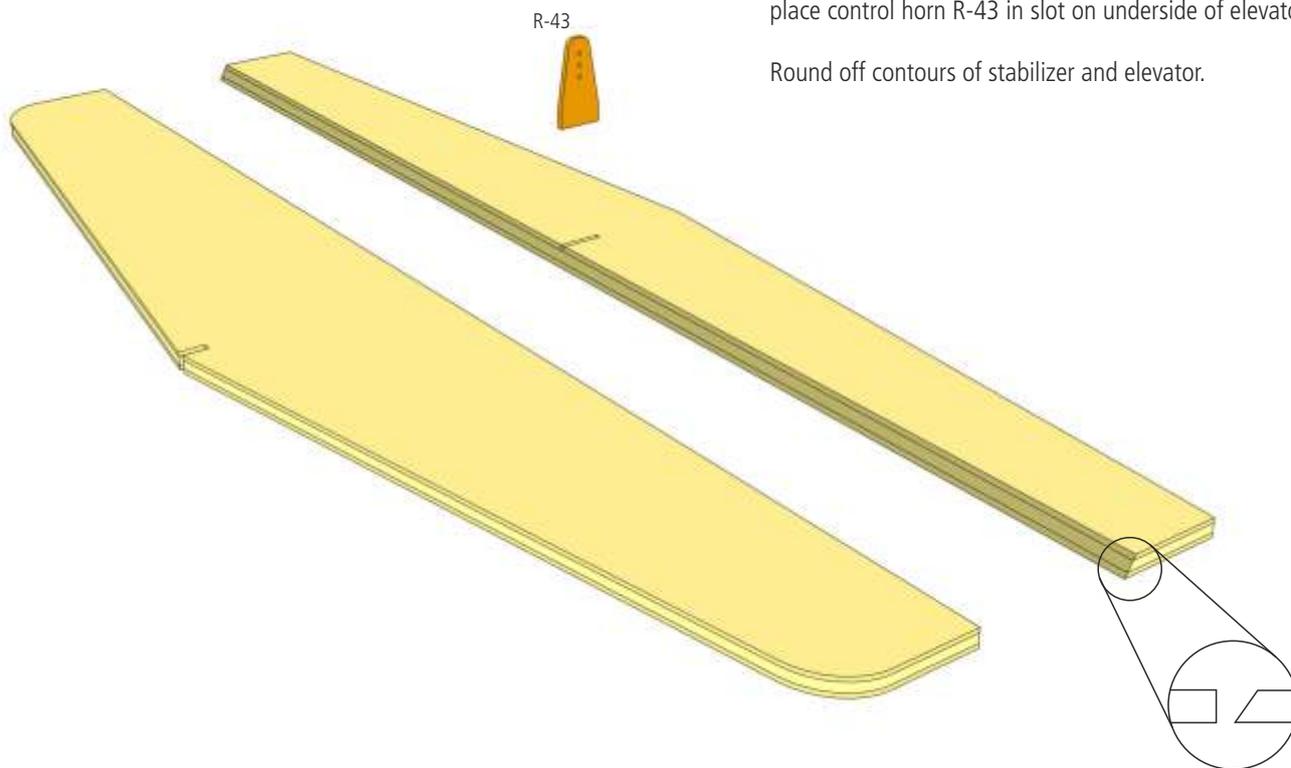
Secure with suitable weights until glue has dried.



32

Bevel front edge of elevator for sufficient control throw. Then glue in place control horn R-43 in slot on underside of elevator.

Round off contours of stabilizer and elevator.

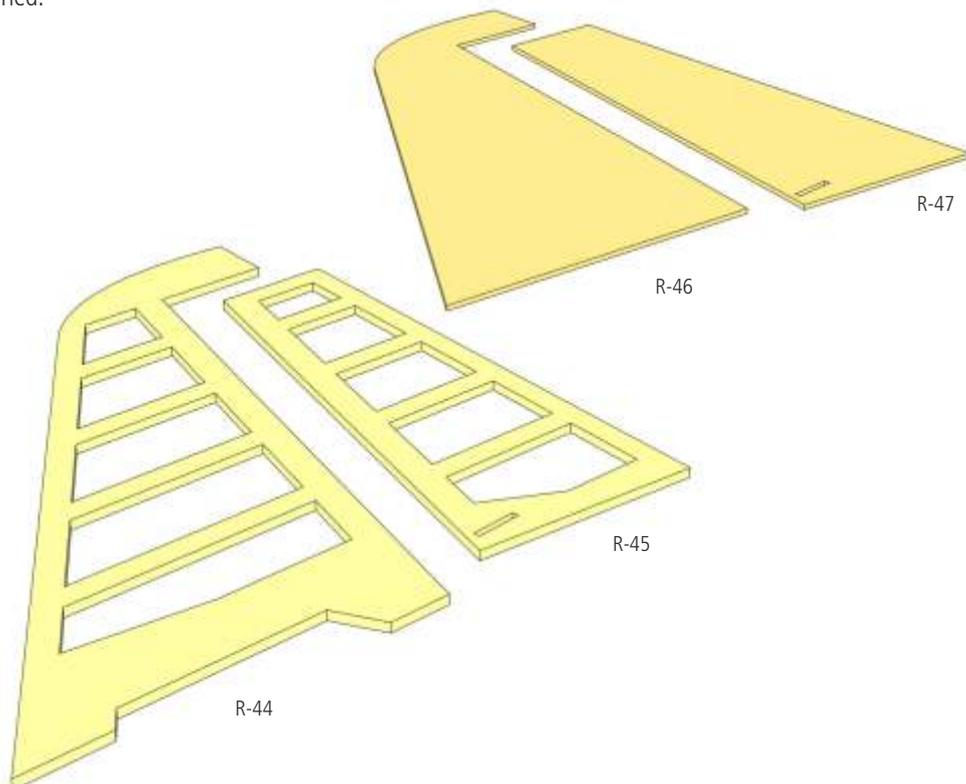


33

Place fin R-44 and rudder R-45 on an even building board and glue in place sheeting material R-46 and R-47.

Note that lower portion of fin is not sheeted (see building step 35).

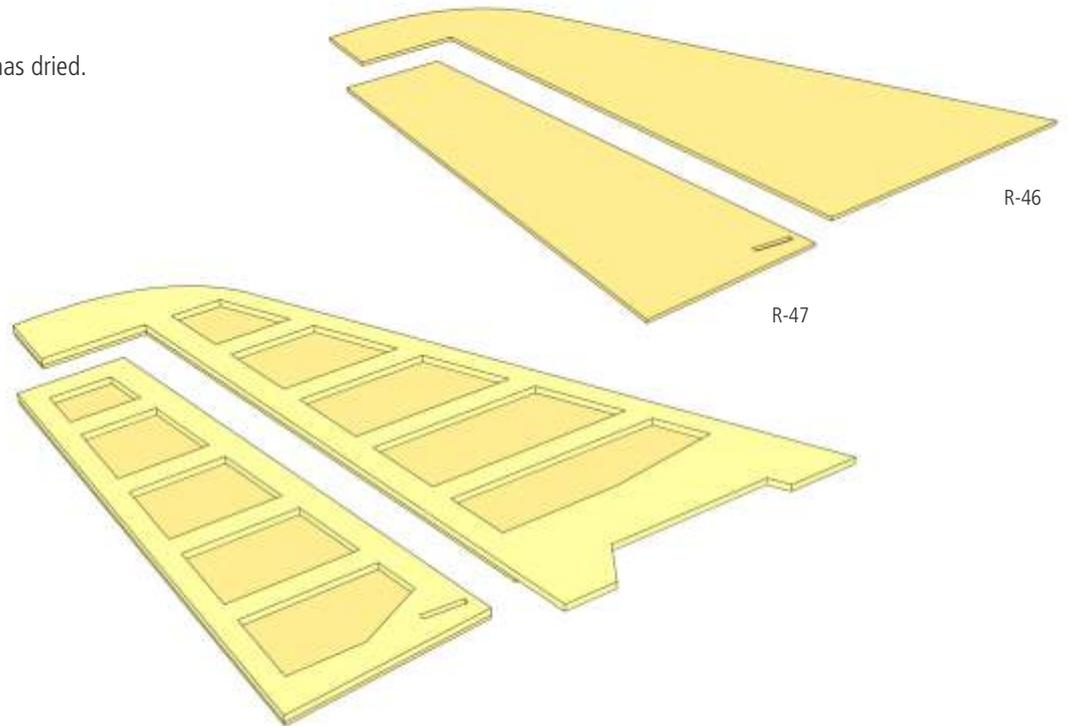
Secure with suitable weights until glue has dried.



34

Turn parts of tail unit upside down and glue sheeting material R-46 and R-47 to opposite side of tail unit.

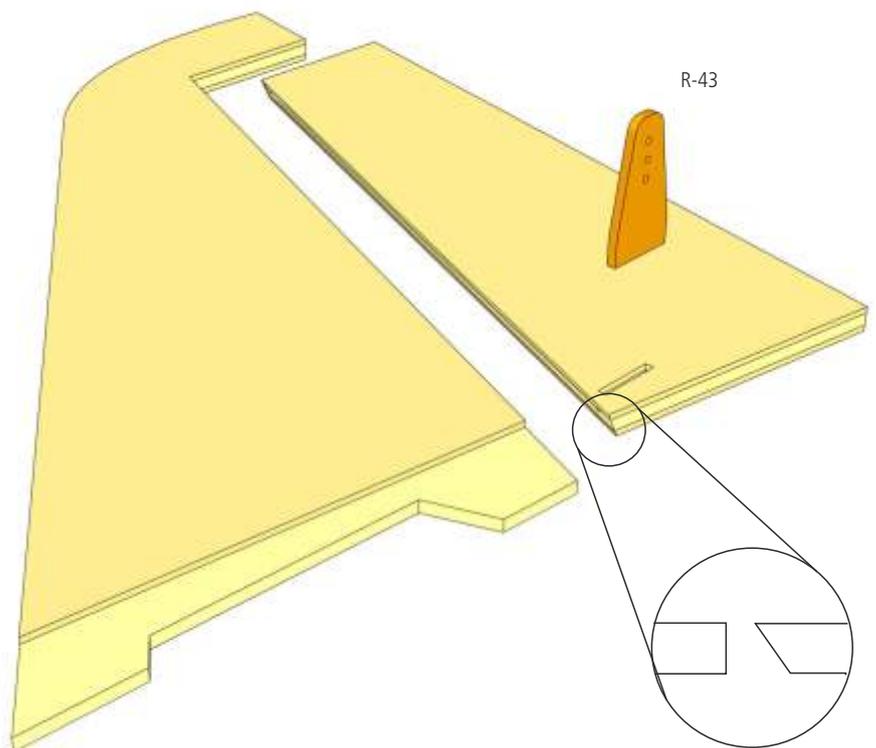
Secure with suitable weights until glue has dried.

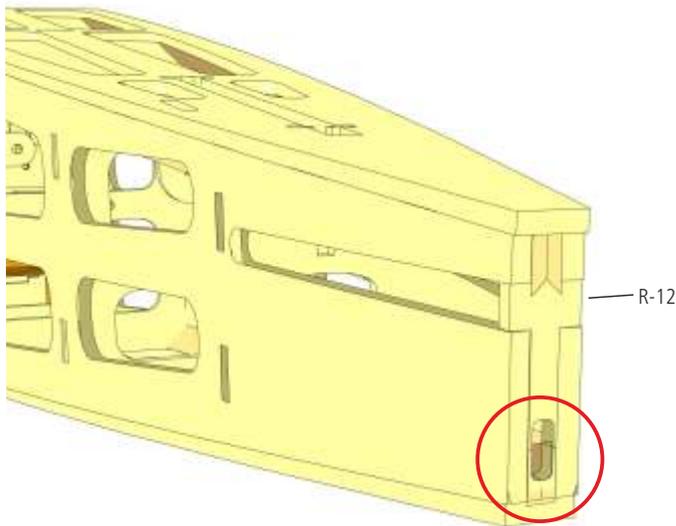


35

Bevel front edge of rudder for sufficient control throw. Then glue in place control horn R-43 in slot on left side of rudder.

Round off contours of fin and rudder.





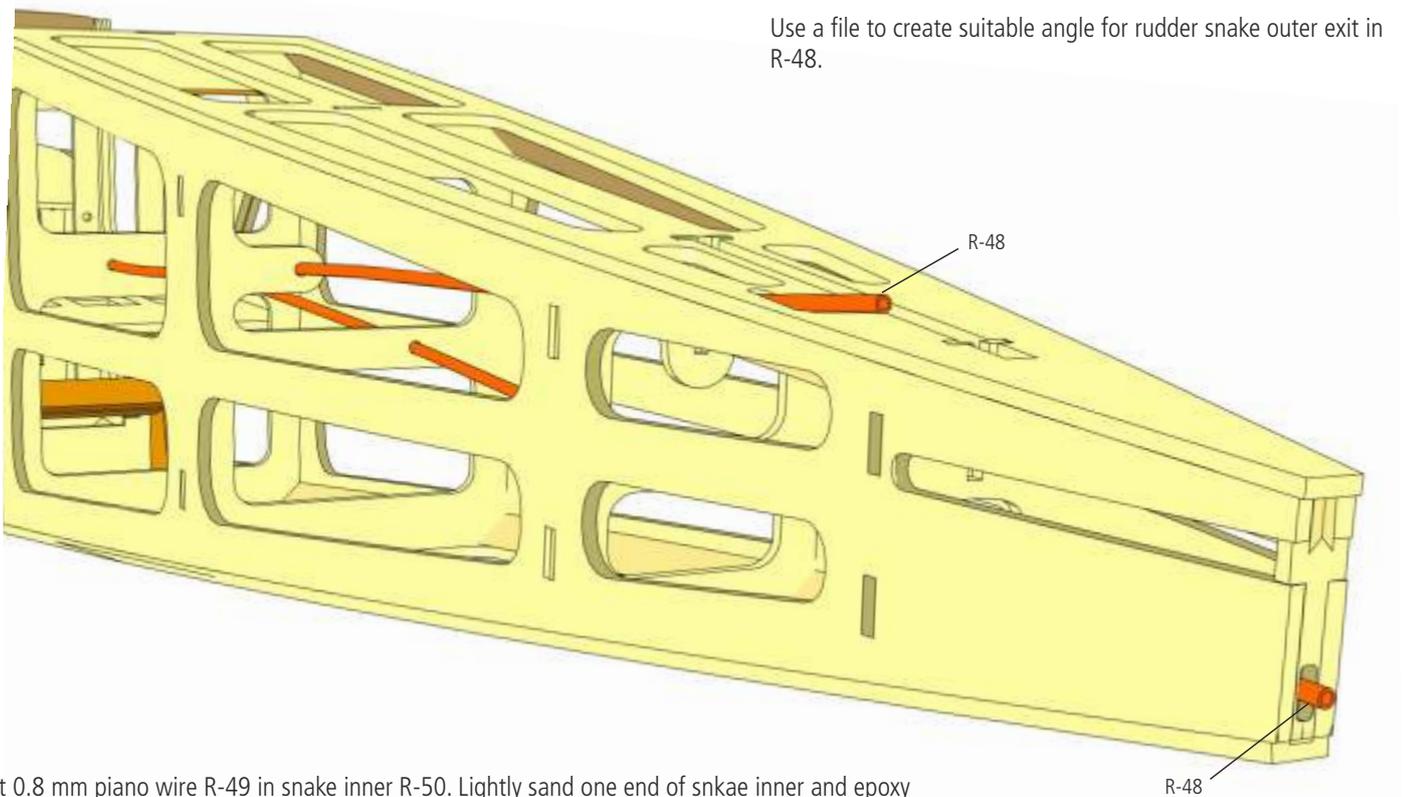
36

Drill former R-12 with 3 mm at indicated position then use file to create slot.

37

Slide snake outers R-48 for elevator and rudder through respective holes in formers and out of fuselage.

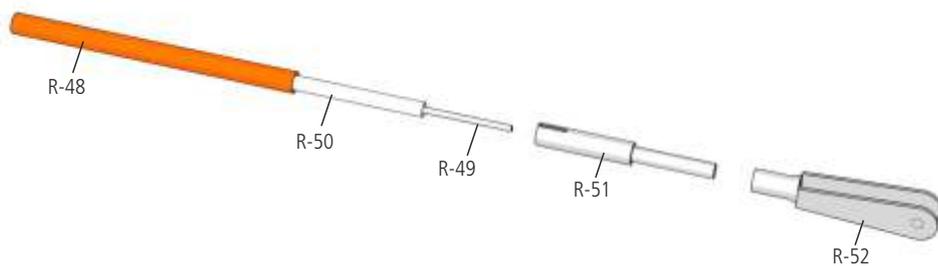
Use a file to create suitable angle for rudder snake outer exit in R-48.



38

Insert 0.8 mm piano wire R-49 in snake inner R-50. Lightly sand one end of snake inner and epoxy extender R-51 to snake inner. Then screw on clevis R-52.

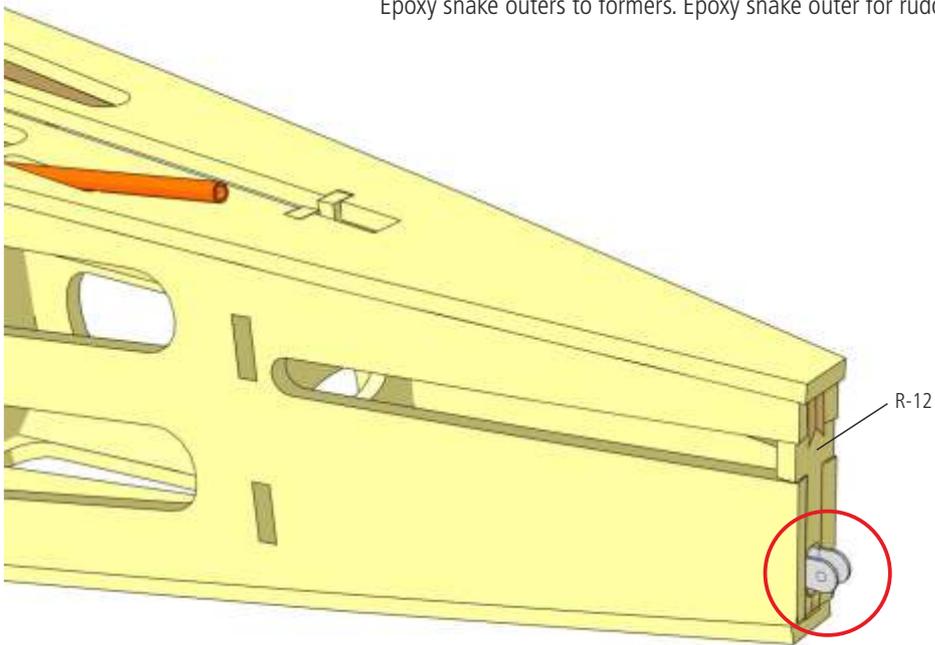
From the rear insert snake inner into elevator snake outer R-48.



39

Push elevator snake back into fuselage until clevis is at position in former R-12 shown on picture. Clevis must be free to move in former R-12. Make sure there is some vertical play, too. If necessary, use file to enlarge opening for clevis.

Epoxy snake outers to formers. Epoxy snake outer for rudder control to fuselage exit as well.

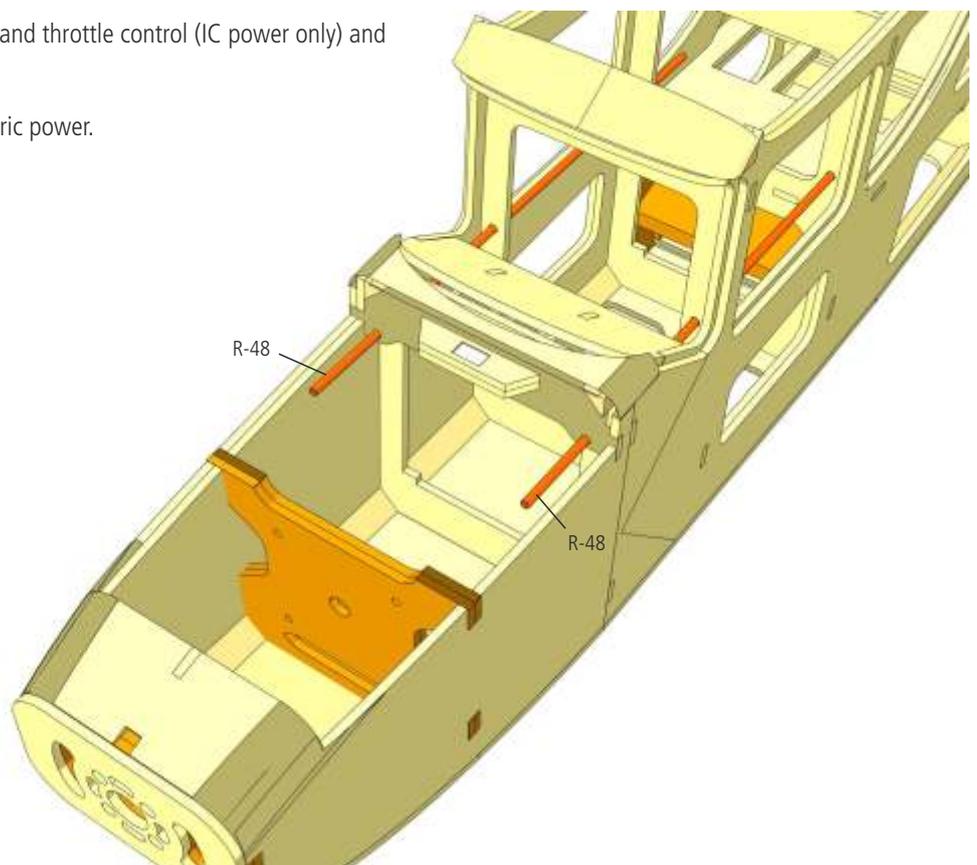


40

Install snake outers R-48 for steerable noseleg and throttle control (IC power only) and epoxy to formers.



Note: Example shows formers for electric power.



Wings



Note: The following instruction describe construction of the right wing half. The left wing half is buildt accordingly. Just turn the depron jig upside down.

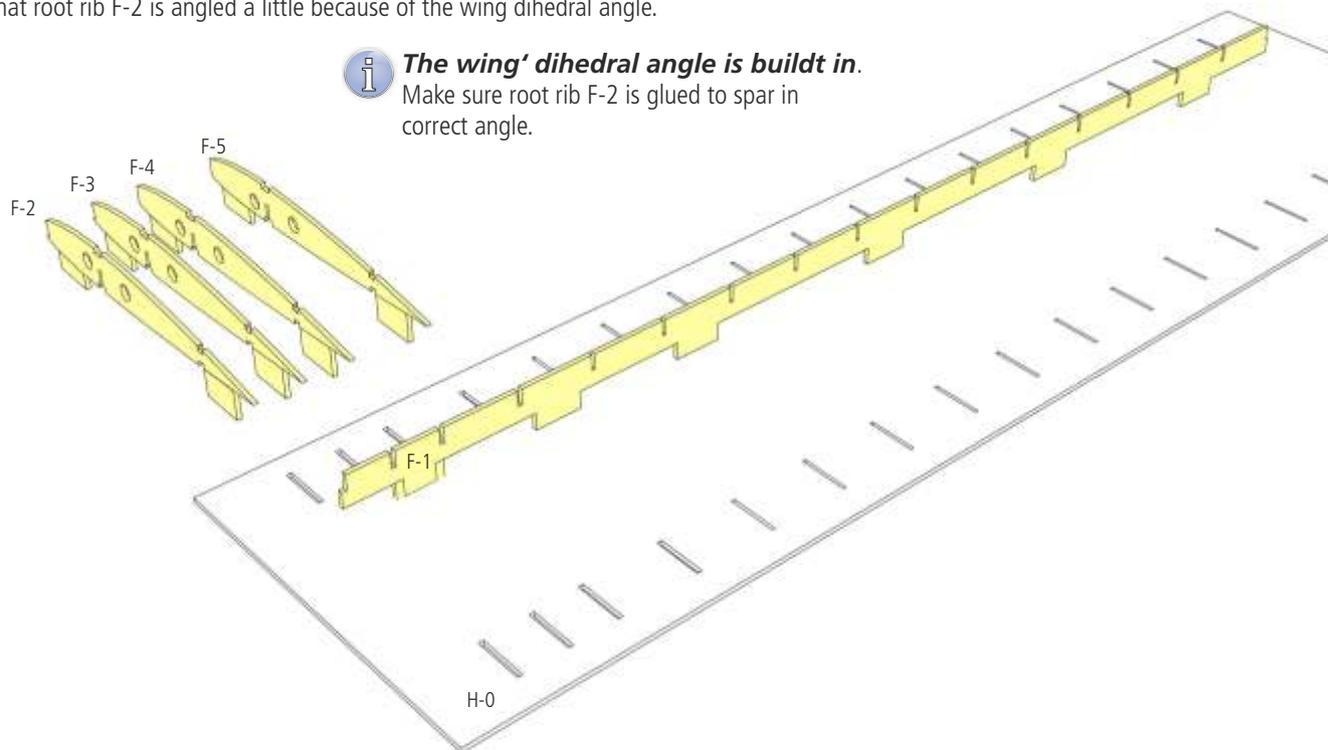
41

Insert light-ply wing spar F-1 and light-ply ribs F-2 to F-5 into jig H-0 and glue together. Please note that root rib F-2 is angled a little because of the wing dihedral angle.



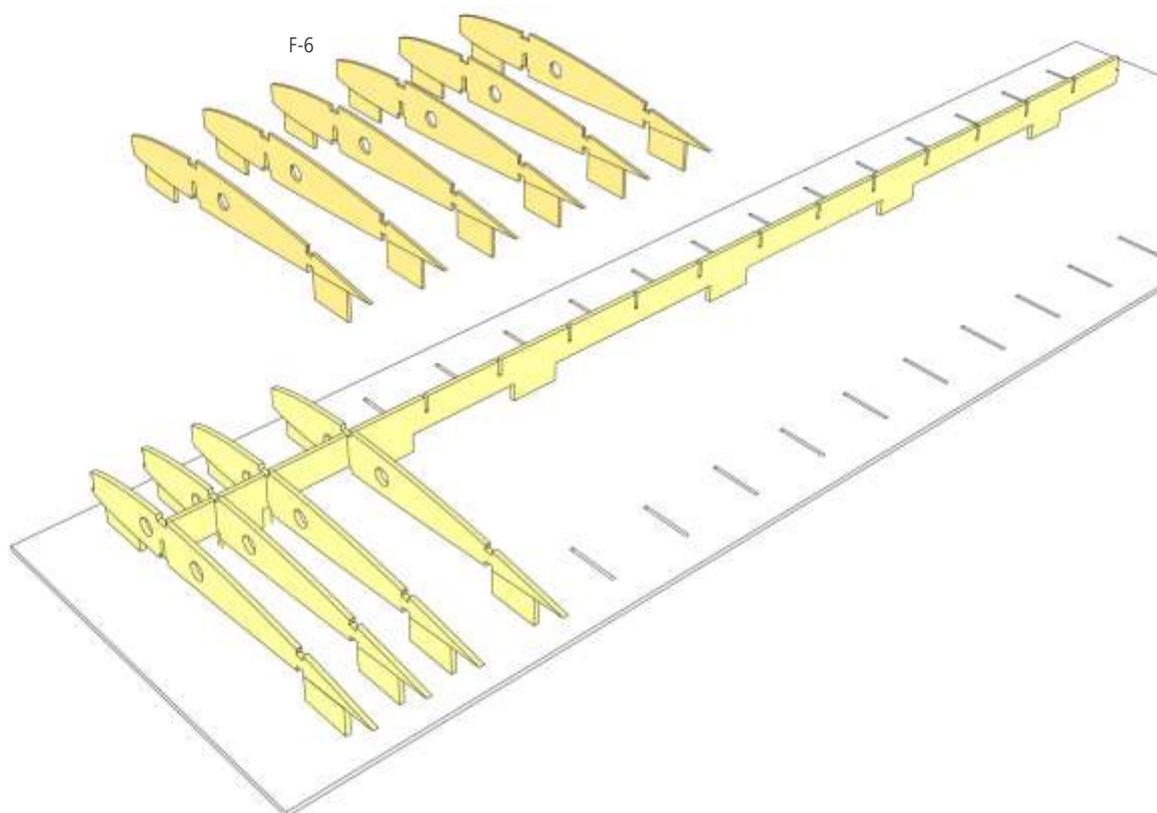
The wing' dihedral angle is buildt in.

Make sure root rib F-2 is glued to spar in correct angle.



42

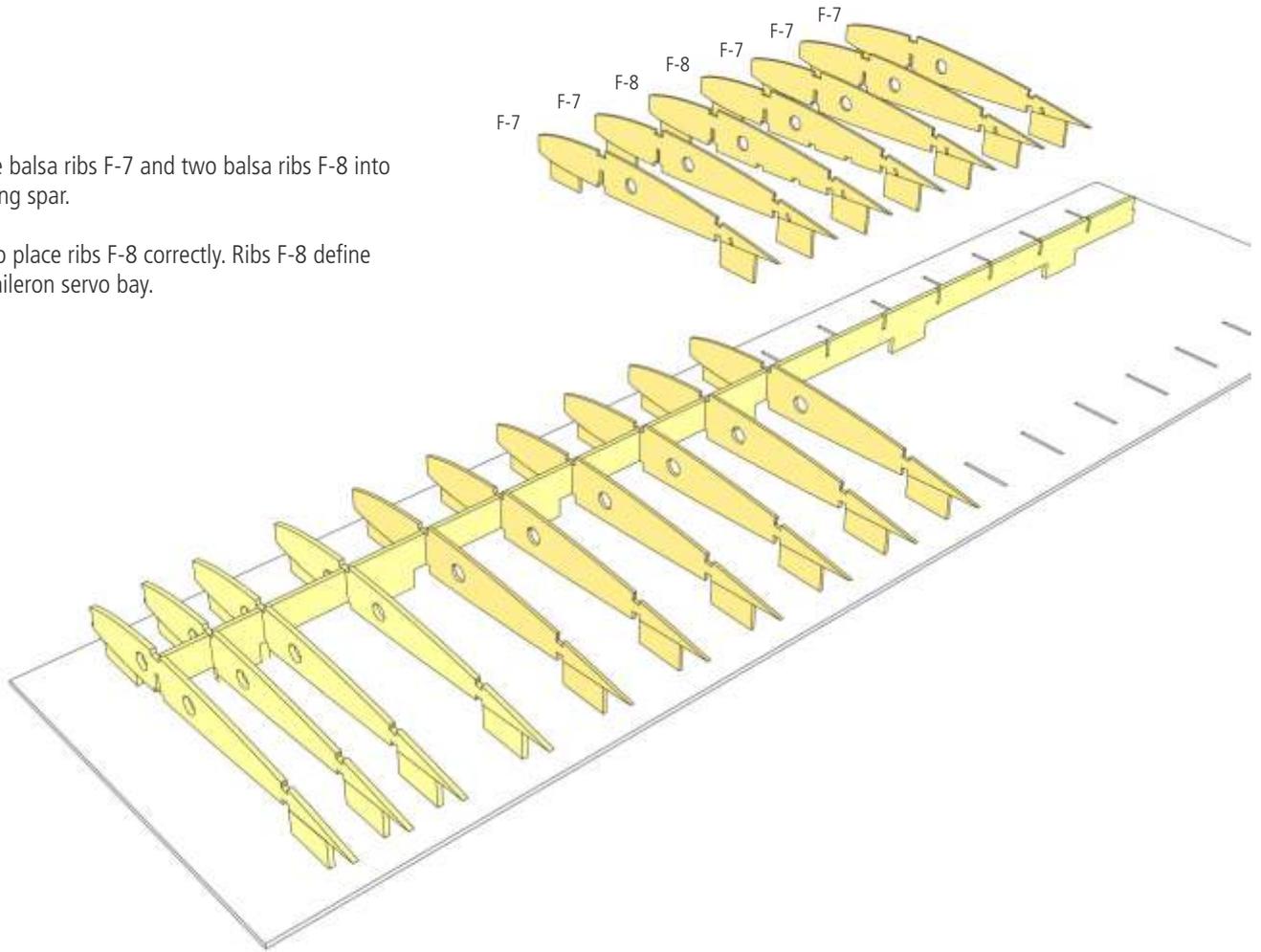
Glue in place six balsa ribs F-6 ...



43

... than insert five balsa ribs F-7 and two balsa ribs F-8 into jig and glue to wing spar.

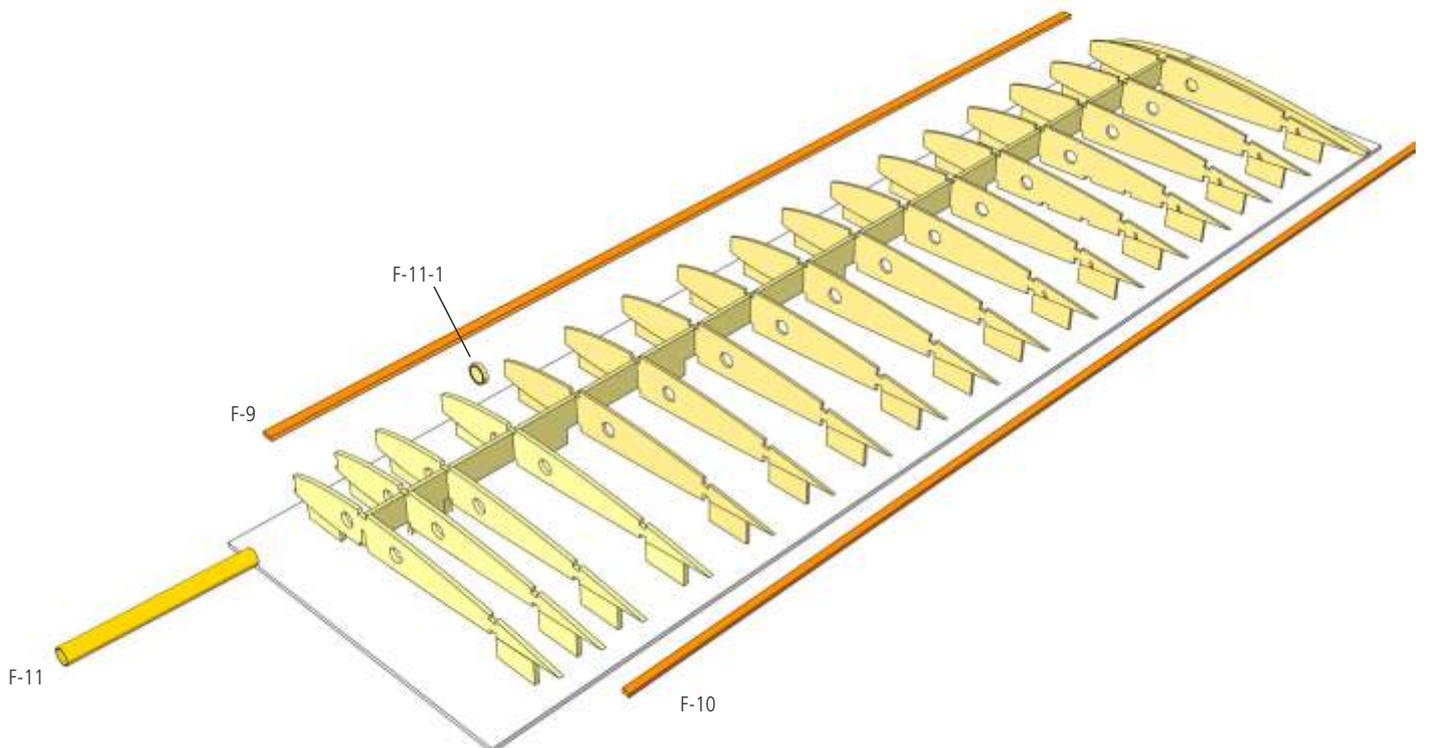
 Make sure to place ribs F-8 correctly. Ribs F-8 define position of aileron servo bay.



44

Glue in place top spars F-9 (3×8 mm spruce) and F-10 (3×5 mm spruce).

Lightly sand surface of brass tube F-11 and install in front hole of light-ply ribs. Make sure brass tube protrudes 3 mm from root rib F-2. Epoxy in place and close inner end of brass tube with end stop F-11-1.



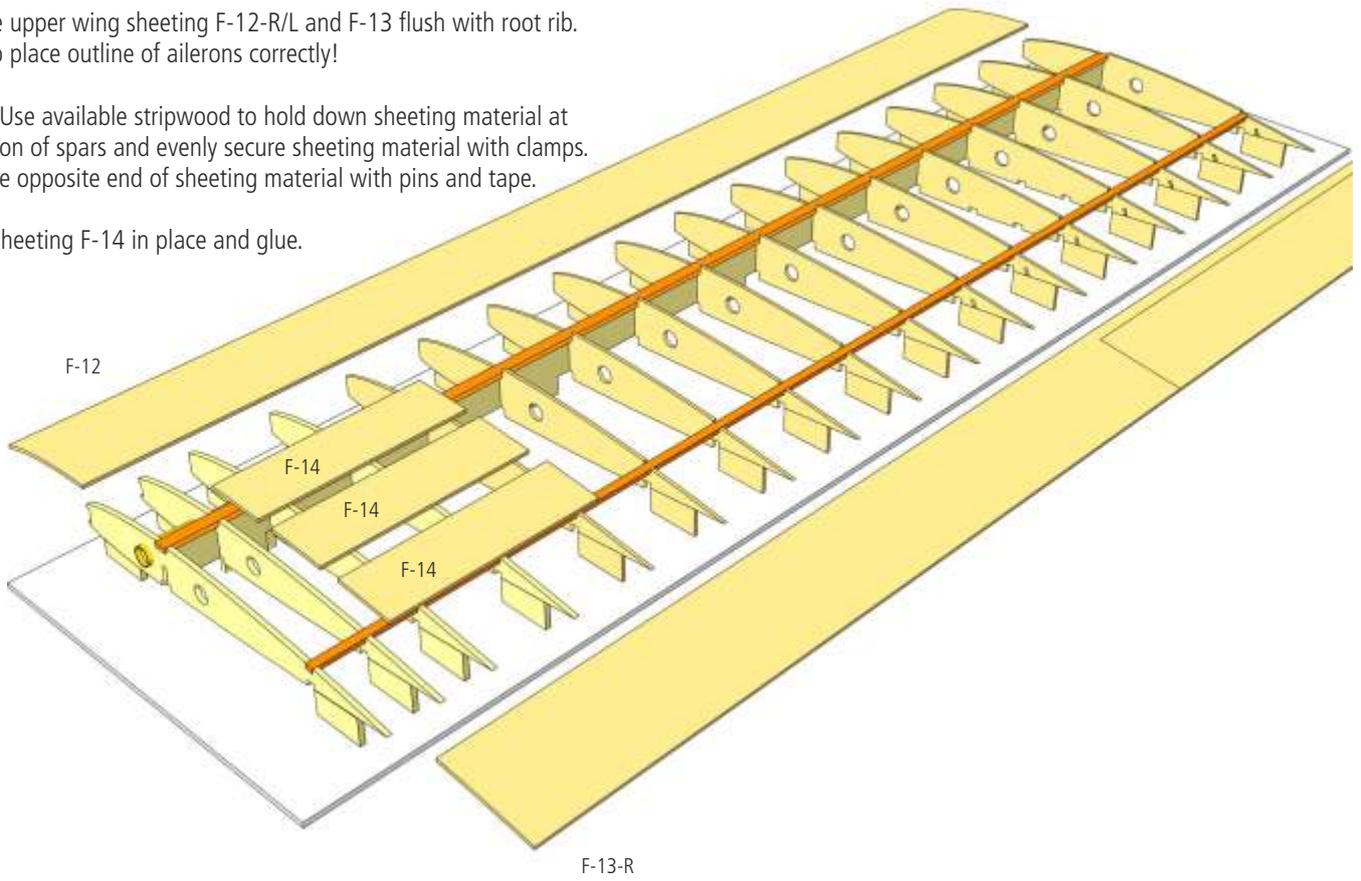
45

Glue in place upper wing sheeting F-12-R/L and F-13 flush with root rib. Make sure to place outline of ailerons correctly!



Tip: Use available stripwood to hold down sheeting material at position of spars and evenly secure sheeting material with clamps. Secure opposite end of sheeting material with pins and tape.

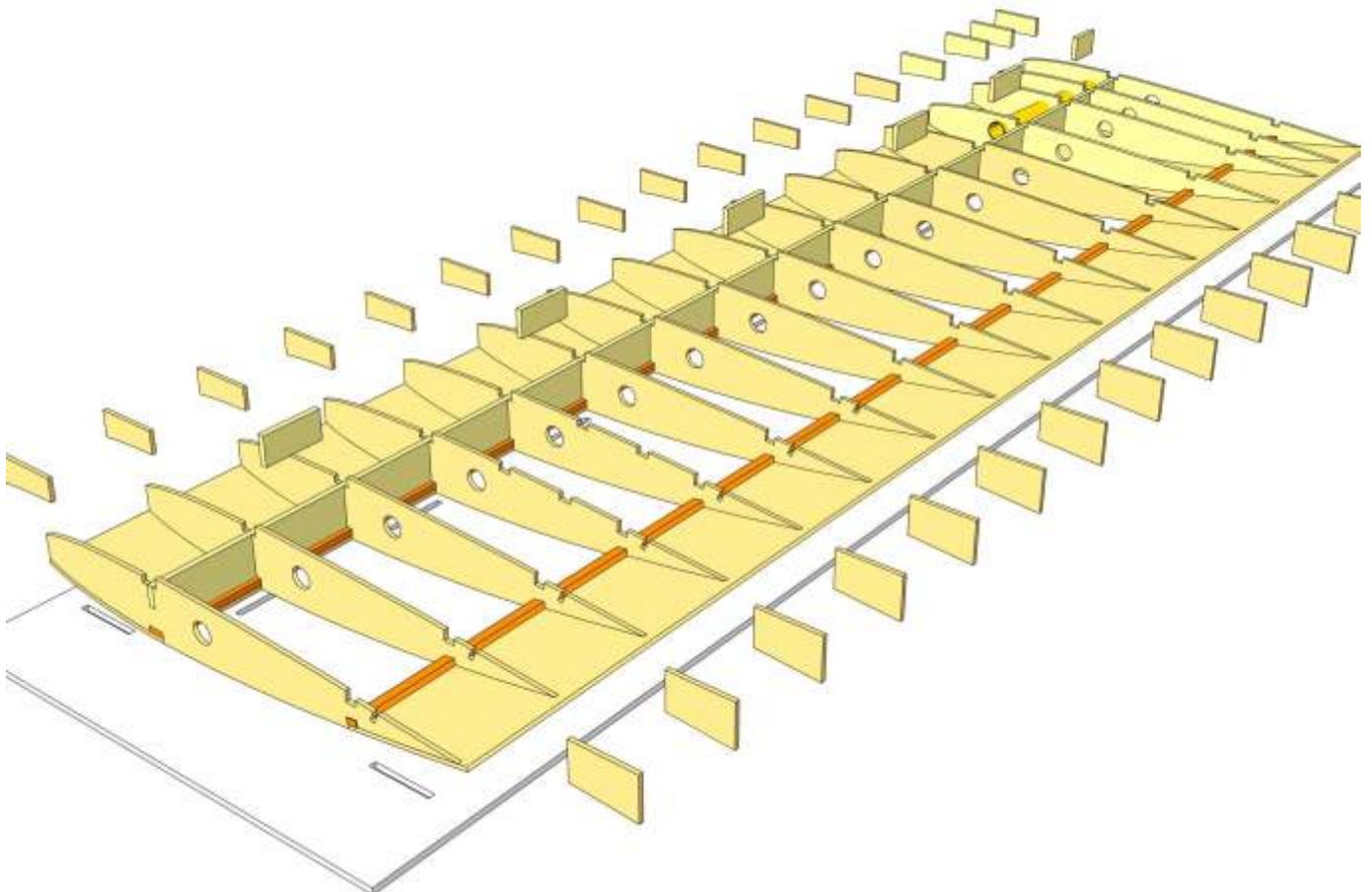
Fit top root sheeting F-14 in place and glue.



46

Remove wing from jig and use modeller's knife and razor saw to cut off tabs from ribs and spar.

Carefully sand underside of ribs and spar at tab positions.

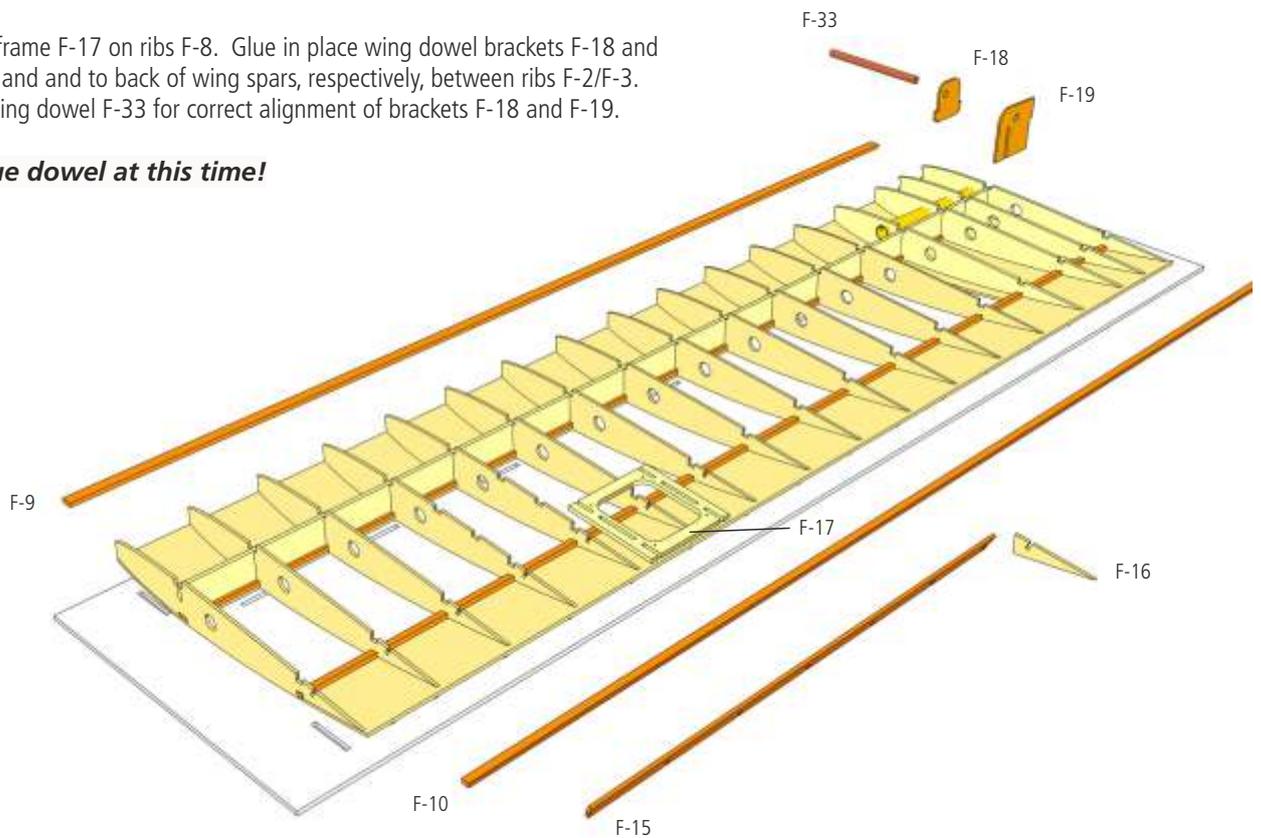


47

Glue in place bottom spars F-9 (3×8 mm spruce) and F-10 (3×5 mm spruce). Install aileron leading edge F-15 together with aileron end rib F-16 in corresponding notches in ribs and glue in place.

Glue in place servo frame F-17 on ribs F-8. Glue in place wing dowel brackets F-18 and F-19 to front of ribs and to back of wing spars, respectively, between ribs F-2/F-3. Temporarily insert wing dowel F-33 for correct alignment of brackets F-18 and F-19.

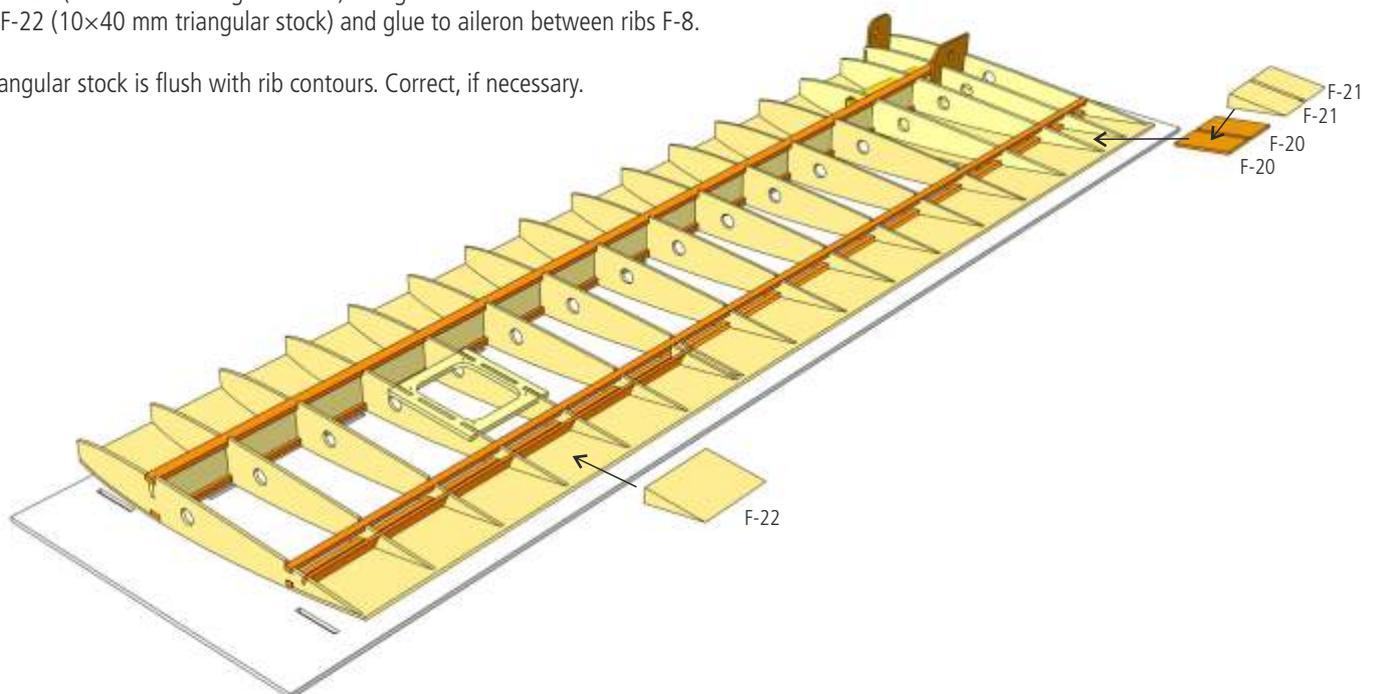
⚠ Do not glue dowel at this time!



48

Glue in place reinforcements F-20 between ribs F-2 and F-4 einkleben, then cut to length spacers F-21 (10×40 mm triangular stock) and glue to F-20. Cut to length F-22 (10×40 mm triangular stock) and glue to aileron between ribs F-8.

Make sure, triangular stock is flush with rib contours. Correct, if necessary.

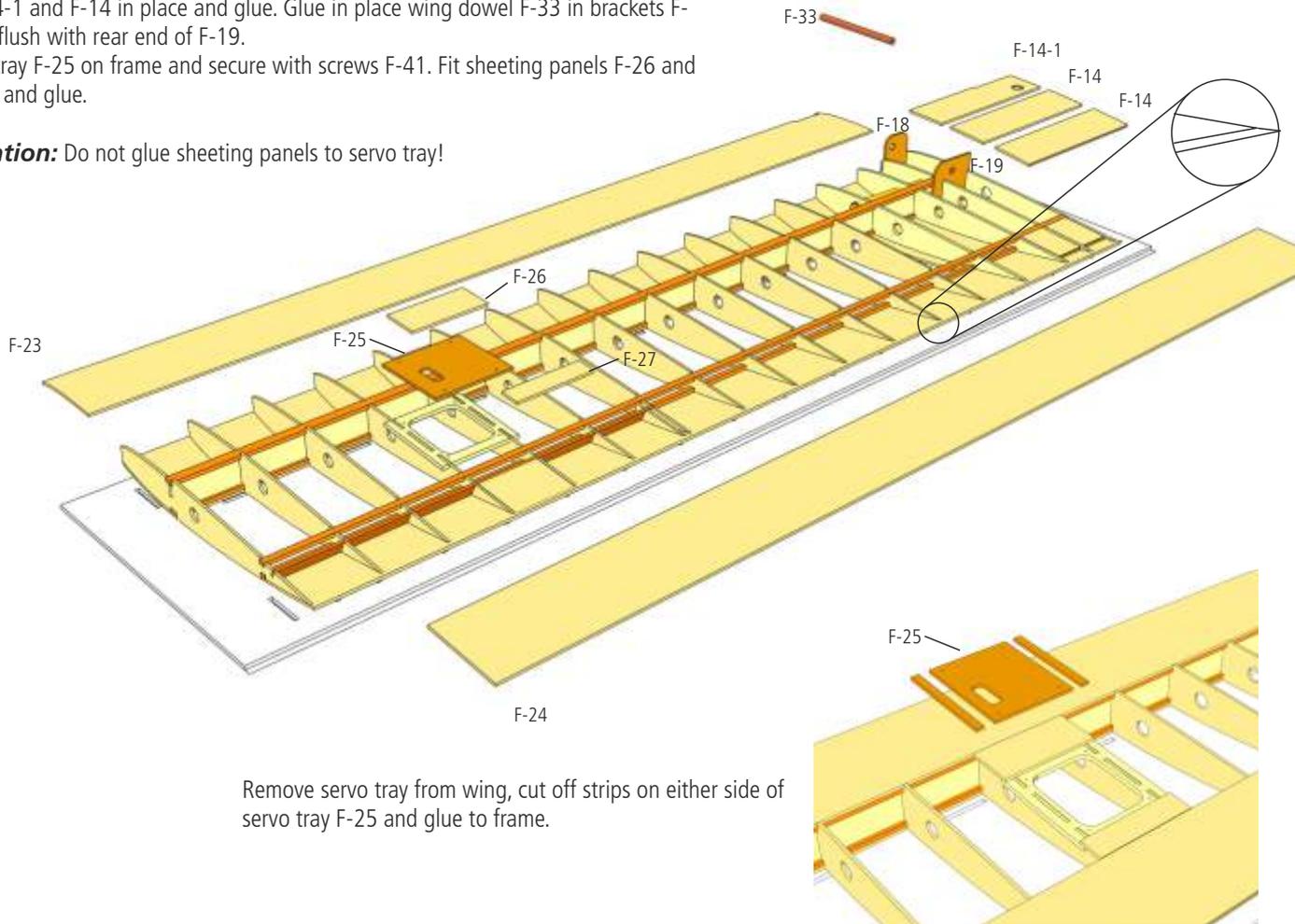


49

Slightly bevel rear edge of top sheeting to establish a good contact surface for gluing. Fit in place bottom sheeting panels F-23 and F-24 and glue in place flush with root rib. Route servo lead through holes in ribs and secure in servo bay with tape. Fit bottom root sheeting F-14-1 and F-14 in place and glue. Glue in place wing dowel F-33 in brackets F-18 and F-19 flush with rear end of F-19.

Install servo tray F-25 on frame and secure with screws F-41. Fit sheeting panels F-26 and F-27 in place and glue.

 **Attention:** Do not glue sheeting panels to servo tray!

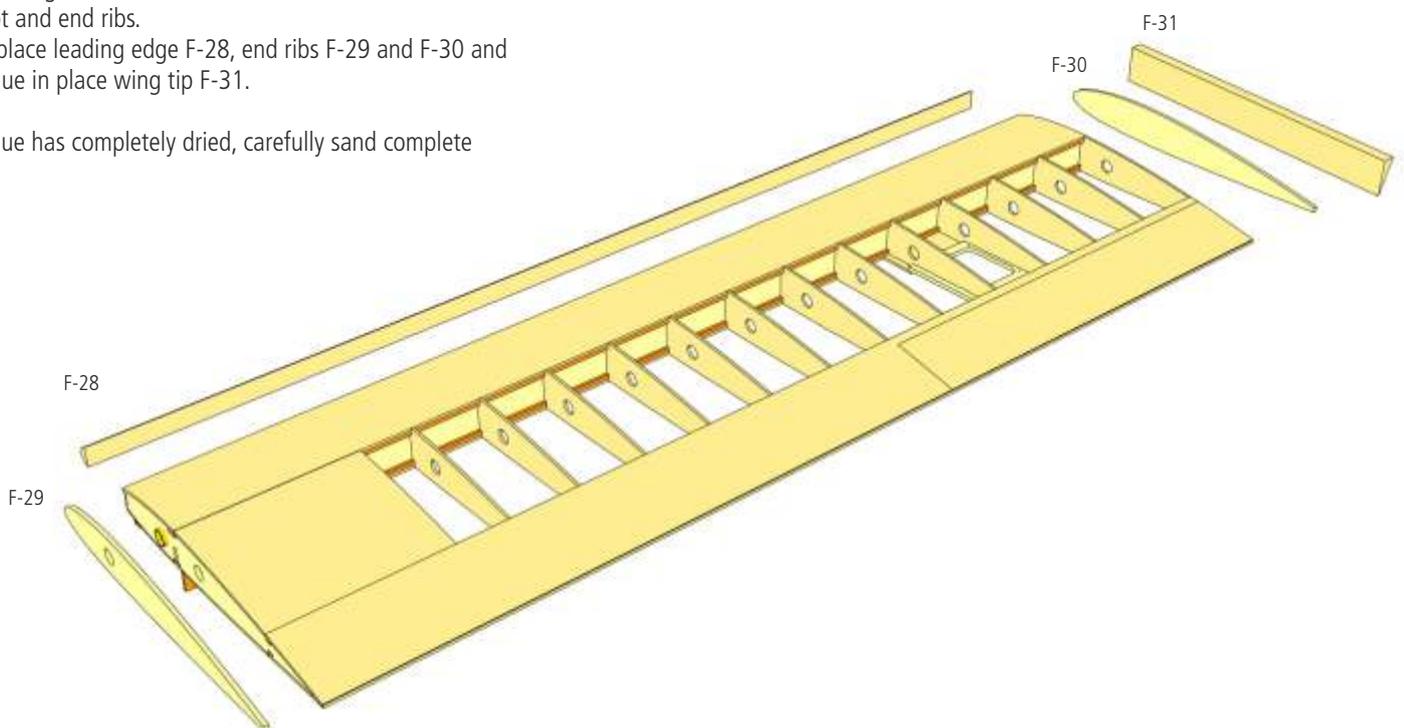


Remove servo tray from wing, cut off strips on either side of servo tray F-25 and glue to frame.

50

Sand sheeting material flush with front of ribs as well as with root and end ribs. Glue in place leading edge F-28, end ribs F-29 and F-30 and finally glue in place wing tip F-31.

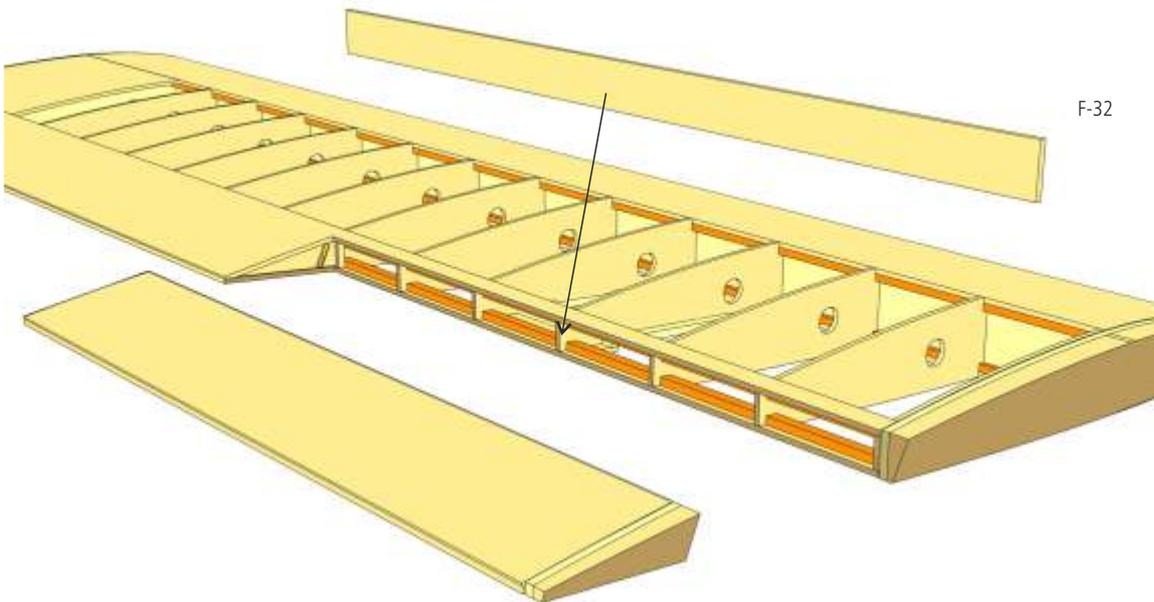
When glue has completely dried, carefully sand complete wing.



51

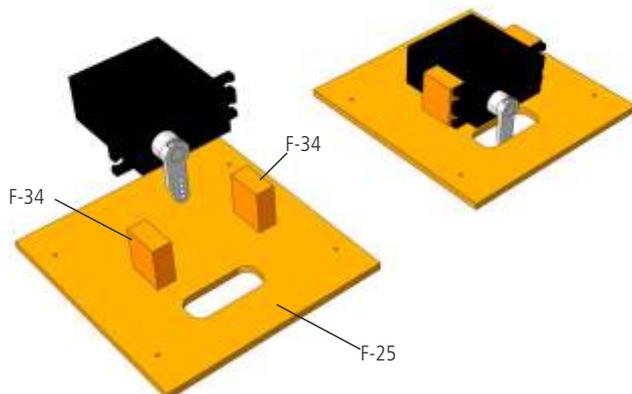
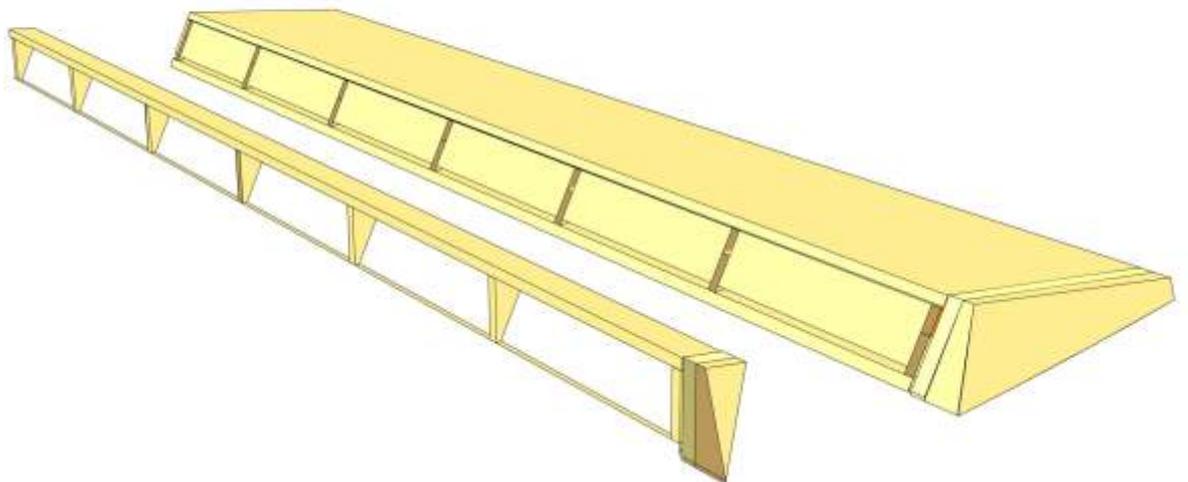
With a pencil draw line of aileron cut-out to end of wing tip, then cut out aileron with a razor saw. Sand ribs and sheeting material flush with spruce spars.

Glue in place web F-32 and sand flush with top and bottom sheeting.



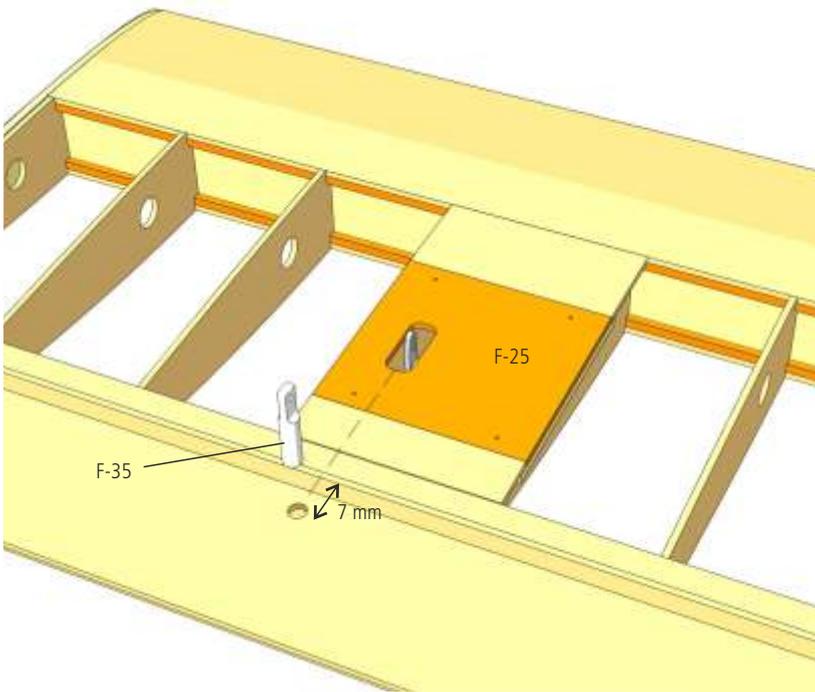
52

Cut off excess material at aileron leading edge and sand flush with leading edge.



53

Cut servo mounting blocks F-34 to suit your servo size. Position servo so that servo horn is centred in cut-out of servo tray. Servo should be no longer than 40 mm (incl. mounting flanges). Glue mounting blocks to servo tray F-25. Drill holes in mounting blocks before you secure servos with screws.



54

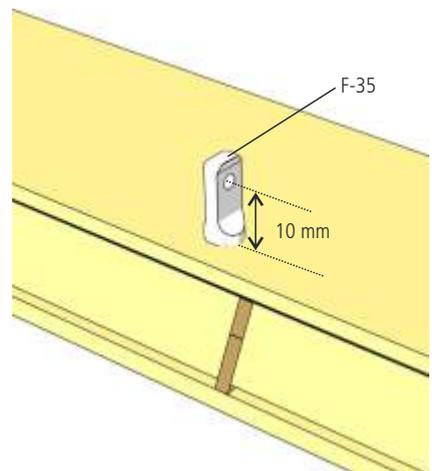
Install servo tary F-25. Note that opening for servo horn faces wing tip.
With a soft pencil draw a line from centre of opening to aileron, then drill 7 mm from aileron leading edge with 5 mm.

Attention: Drill vertical through bottom sheeting of aileron!

55

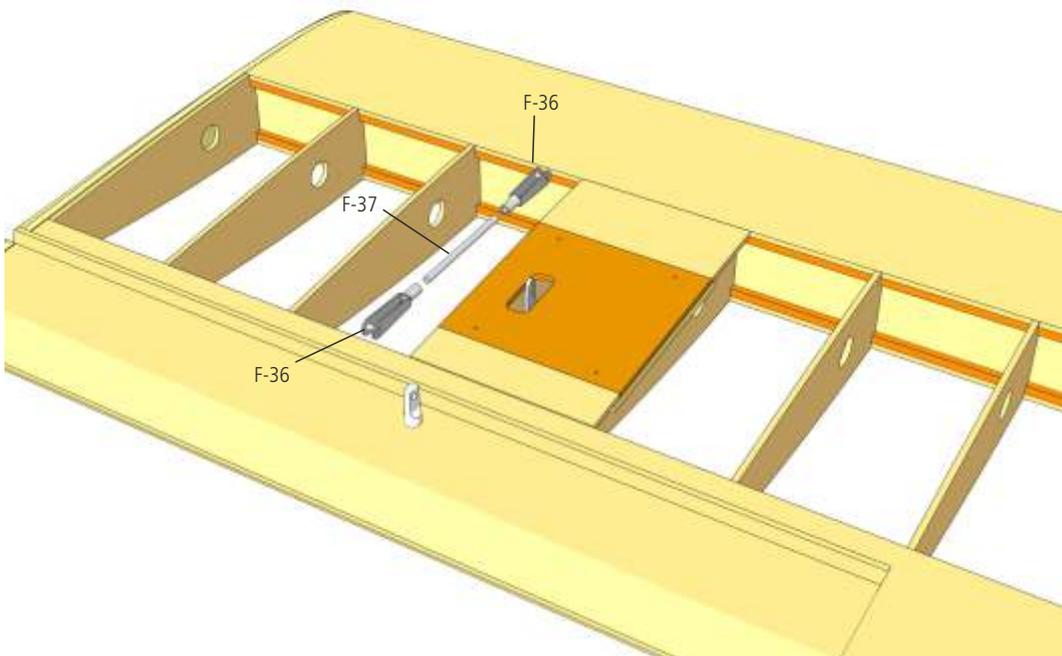
Epoxy control horn F-35 in place. Make sure that hinge point of control horn is ca. 10 mm above sheeting material.

Cut off control horn at opposite side of aileron and sand flush with sheeting material.



56

Temporarily attach aileron to wing with tape, make up control linkage from two clevises F-36 and threaded rod F-37 and install.



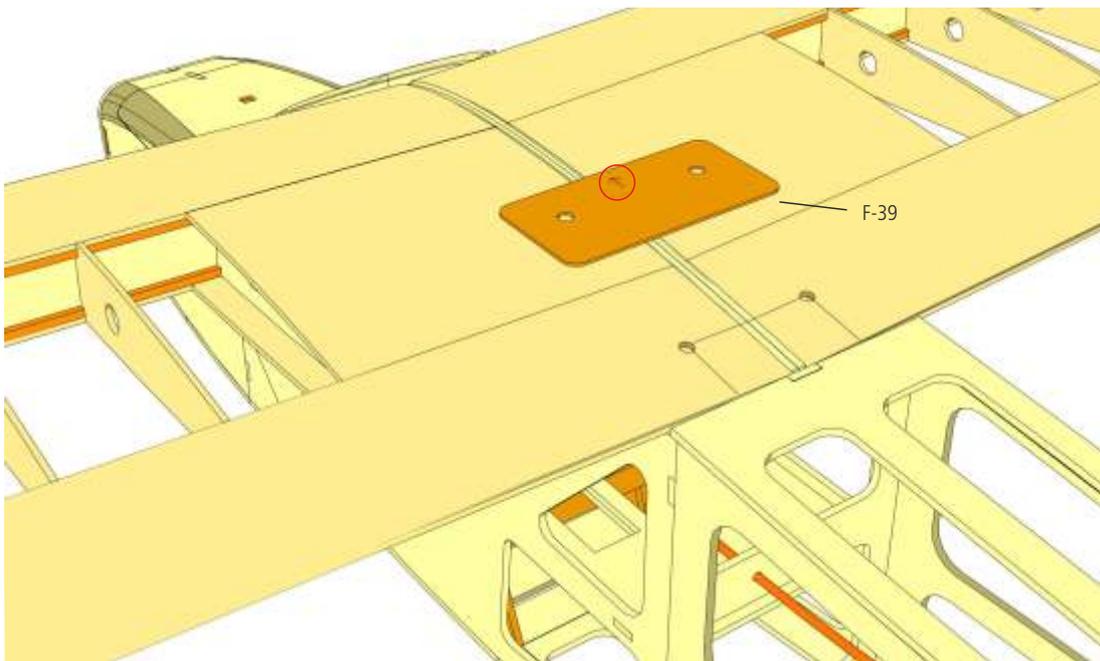
Note: The left wing half is built up accordingly. Just turn depron jig upside down and return to step 41.

Completing the model

57

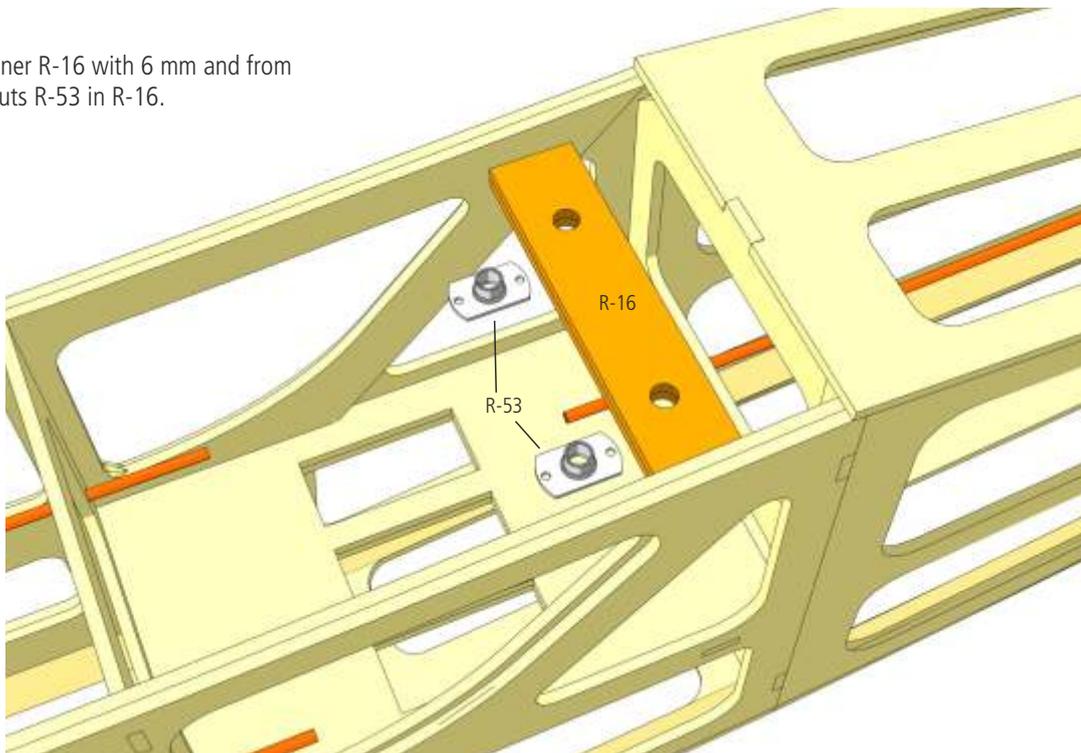
Join the left and right wing halves with wing joiner F-38 and fit into fuselage. Use a file to correct holes for wing dowels in former R-6, if necessary.

Place template F-39 (arrow pointing forward) on wing flush with rear end of trailing edge and drill through wing and into wing retainer R-16 with 5 mm.



58

Drill holes in wing retainer R-16 with 6 mm and from below epoxy in place nuts R-53 in R-16.



Cover the model with iron-on film in the colour of your choice. Your model shop offers a great variety of covering materials and colours. The following steps will be easier to handle after the model has been covered.



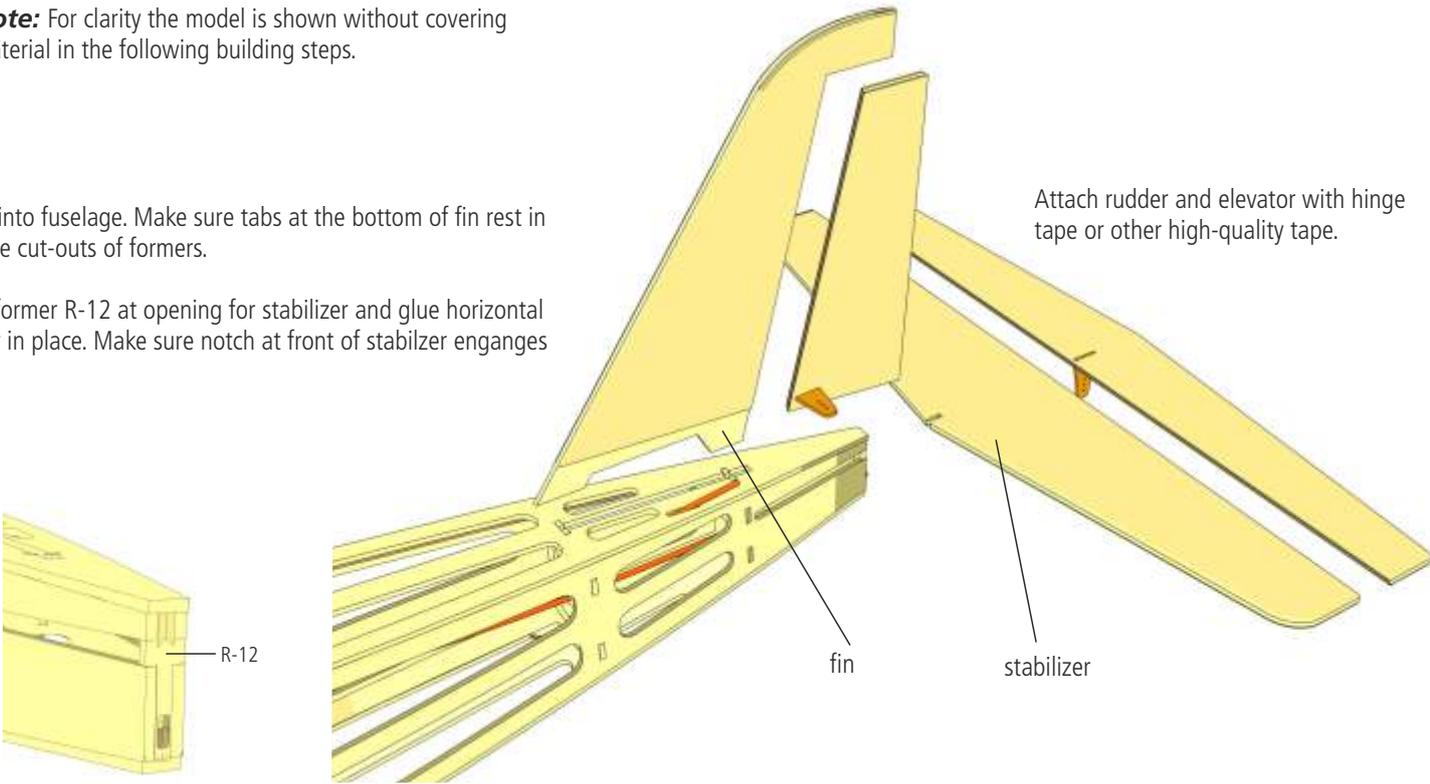
Make sure not to cover area on stabilizer that is used to glue stabilizer into fuselage.

Note: For clarity the model is shown without covering material in the following building steps.

59

Glue fin into fuselage. Make sure tabs at the bottom of fin rest in respective cut-outs of formers.

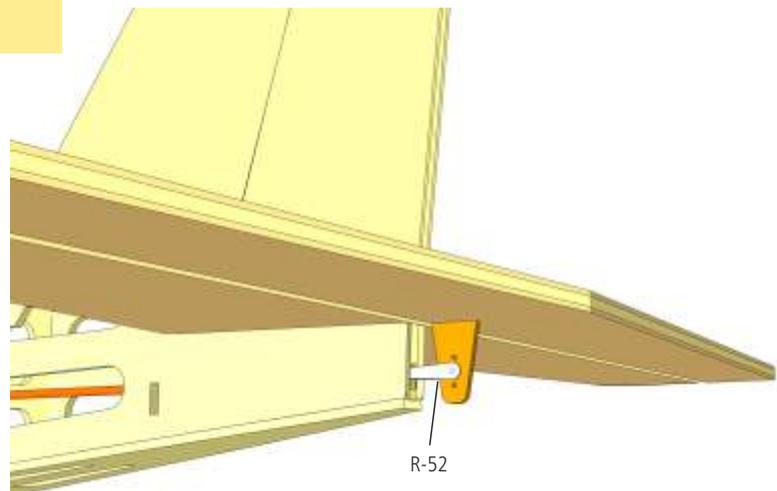
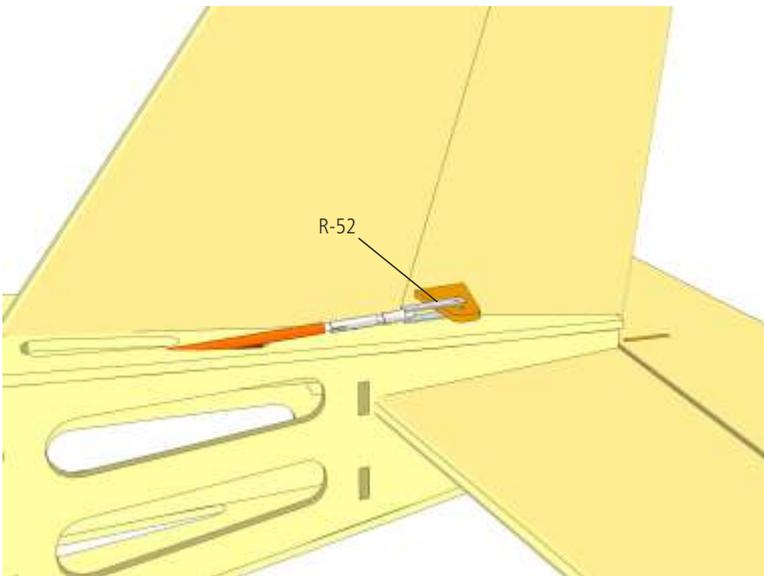
Cut out former R-12 at opening for stabilizer and glue horizontal stabilizer in place. Make sure notch at front of stabilizer engages in fin.



60

Install clevises R-52 on two snake inners as described in step 38, insert into snake outers and connect rudder and elevator.

Make sure that control surfaces move freely and without binding in either direction.



61

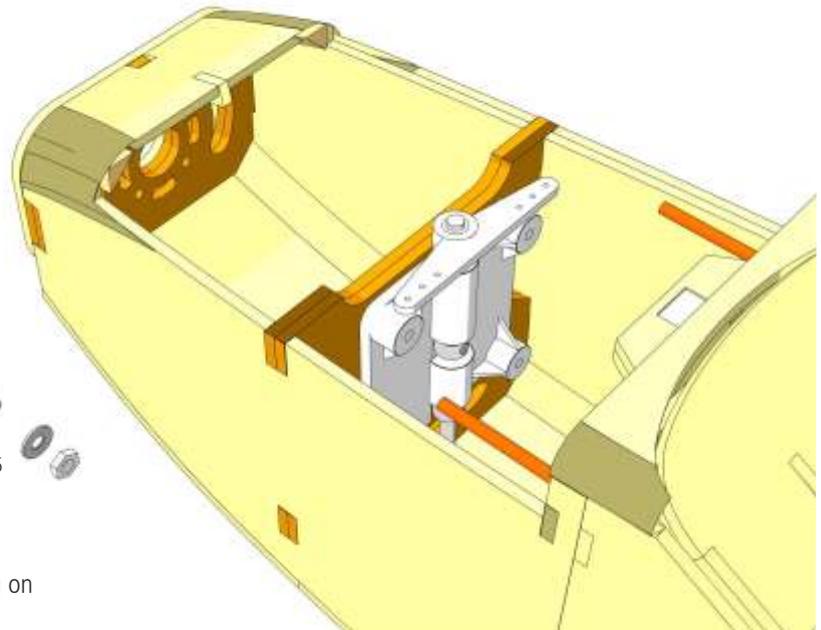
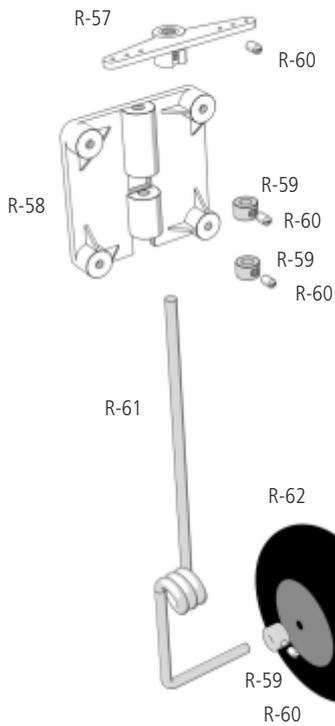
Assemble nose leg from parts R-57 to R-62 as shown.

First install bearing plate R-58 des Fahrwerks to back of former E-2 using parts R-54 to R-56.

Tip: Insert screwdriver through opening in front formers for easy installation.

From below insert nose leg in fuselage and into bearing plate, using wheel collars R-59 and set screw R-60 to secure nose leg in bearing plate.

Install nose wheel R-62 with wheel collars R-59 and set screws R-60.



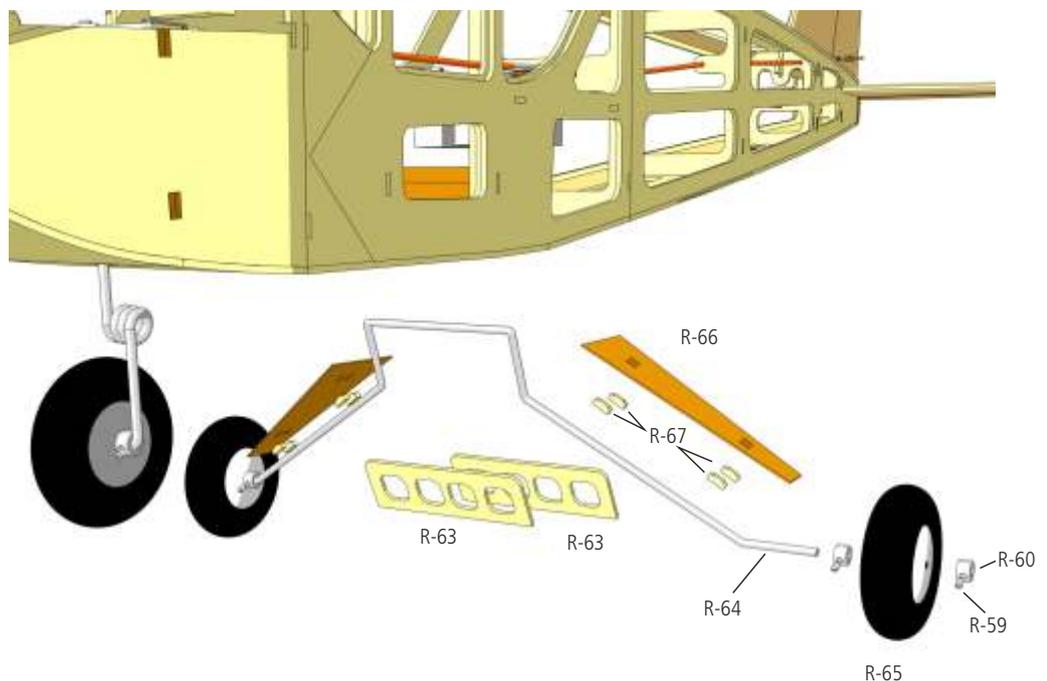
Note: For IC power installation of nose leg may vary depending on type of engine mount.

62

Glue together parts R-63 and assemble landing gear from parts R-64, R-65, R-59 and R-60 as shown.

Install landing gear in slot in bottom of fuselage and secure landing gear by gluing R-63 in place.

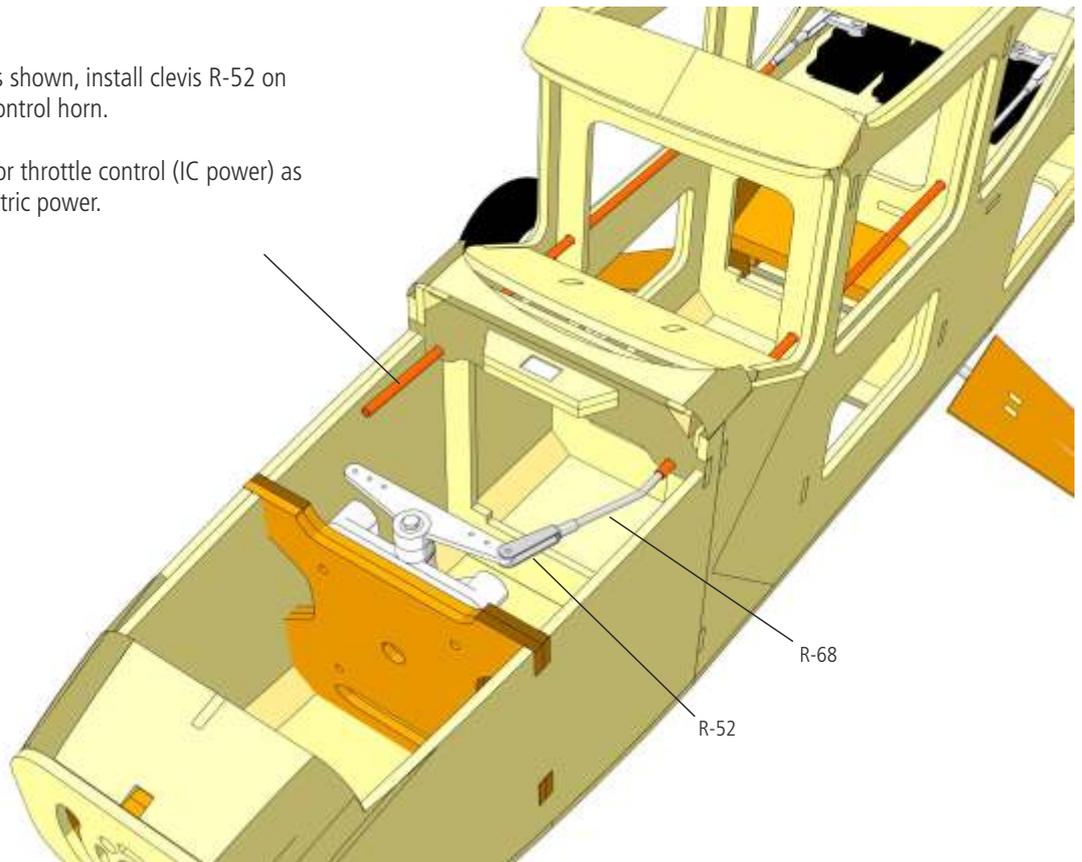
As an option assemble fairings (parts R-66 and R-67) and glue to landing gear.



63

Angle front end of push rod R-68 as shown, install clevis R-52 on push rod and connect to nose leg control horn.

Note: Picture shows snake outer for throttle control (IC power) as well. May be omitted for electric power.



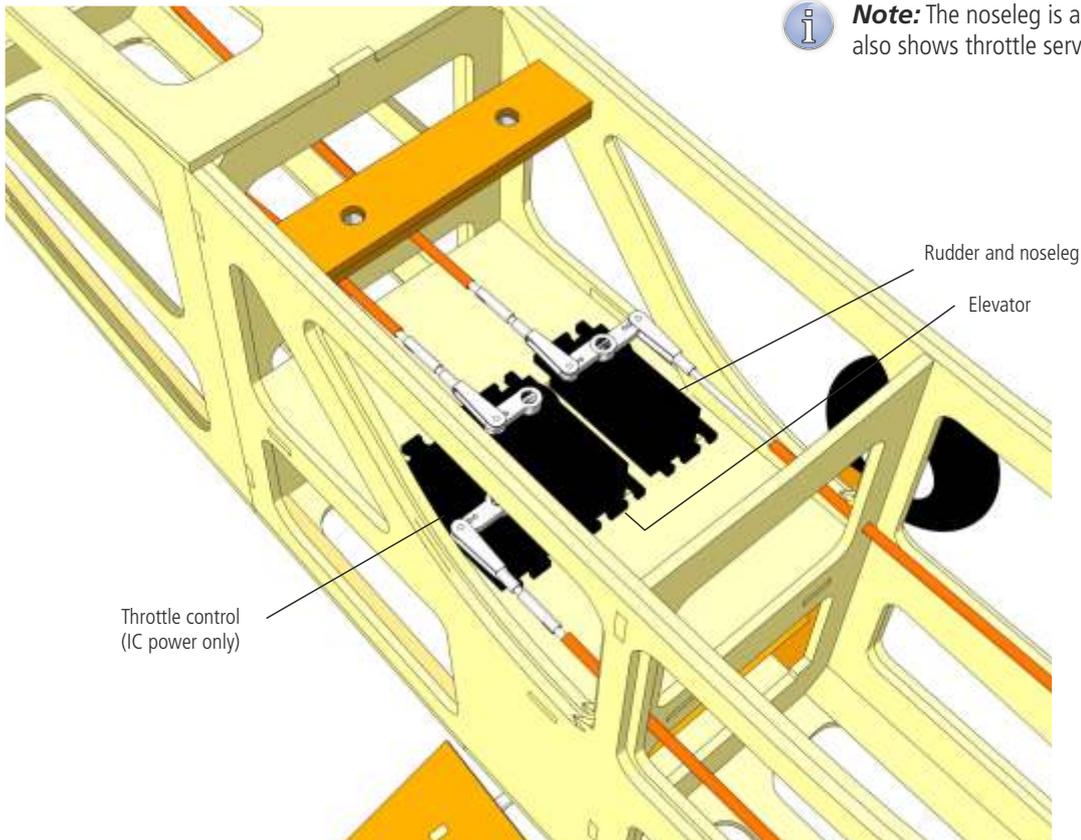
64

Install servos in servo tray, cut to length snake inners and push rod and install clevises as described in step 38.

Check sense of rotation of servos and connect clevises to servos.



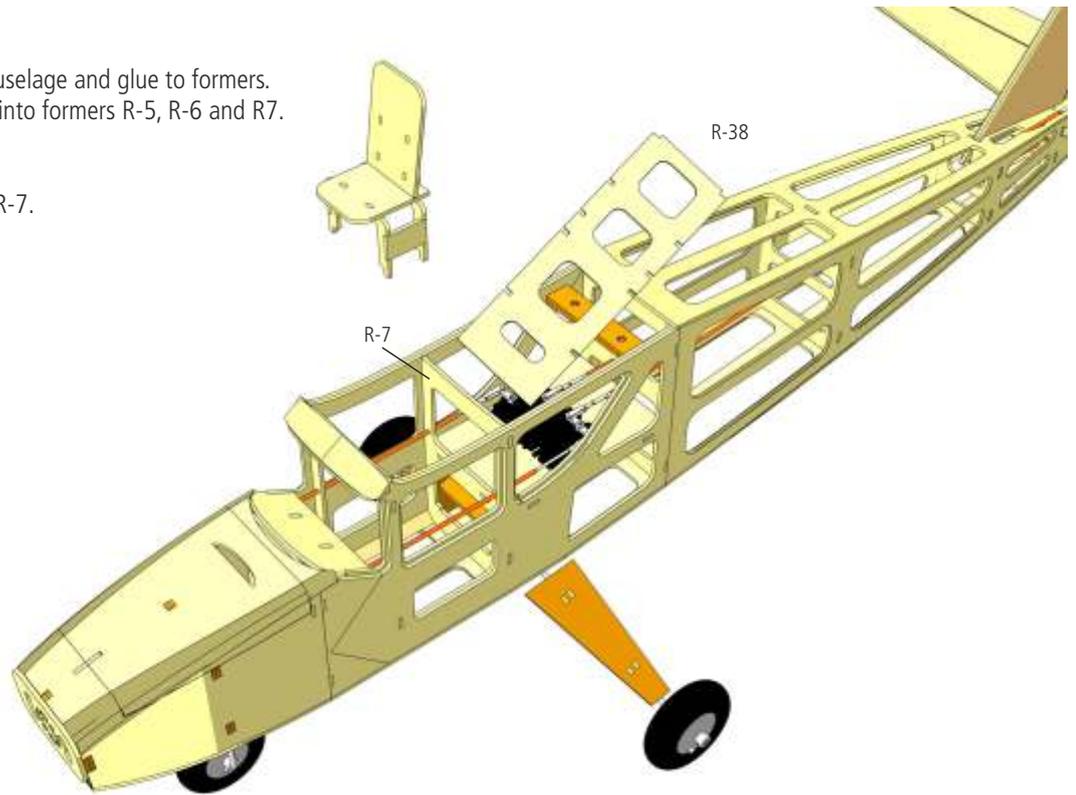
Note: The noseleg is actuated by the rudder servo. Picture also shows throttle servo (IC power) installed in servo tray.



65

Slightly angle battery tray R-38, install in fuselage and glue to formers. Notches on either side of battery tray lock into formers R-5, R-6 and R7.

 **Note:** Battery tray ends at former R-7.



66

We recommend to colour with a felt-tip pen or paint the inside of the window frames. Fit side window panes R-69 and R-70 in place and secure with a few drops of glue. Use canopy glue or UHU hart (order-No. 7631/02).

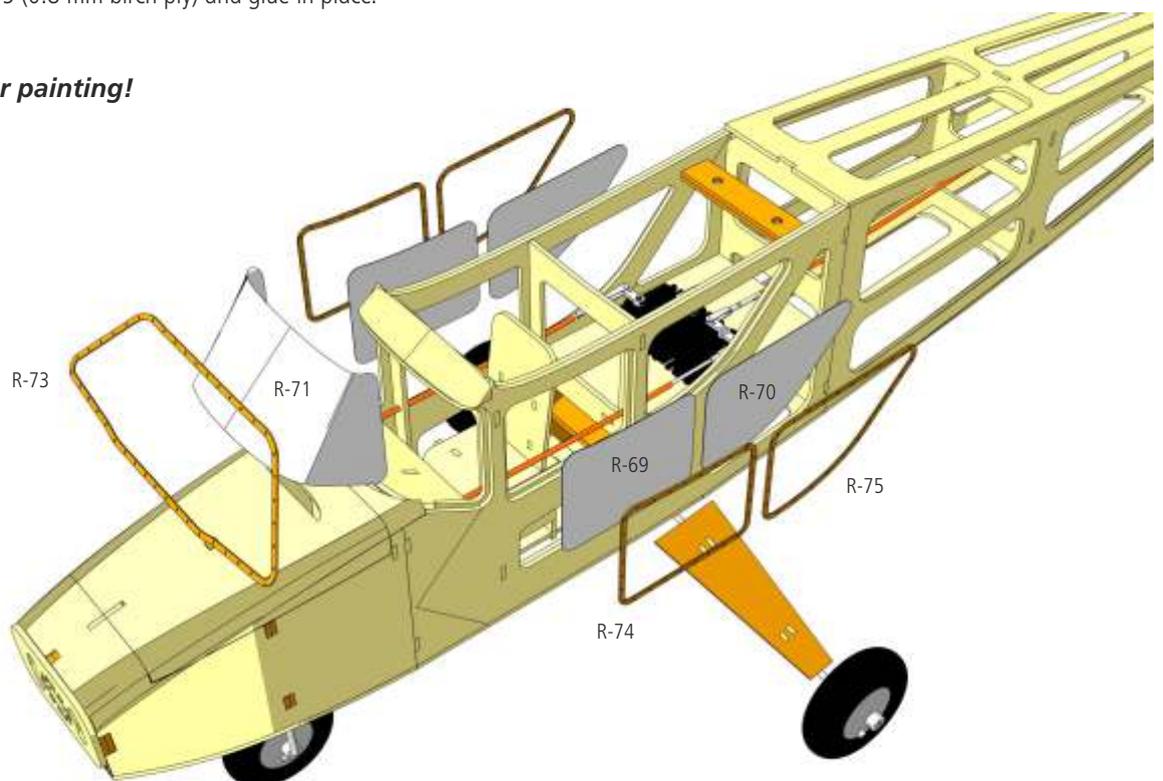
 **Do not use ordinary CA glue for windows!** It may damage the windows.

Stick decal R-72 to instrument panel. Insert windscreen R-71 into slot in front of instrument panel, bend windscreen into frame and glue in place. Secure with pins until dry.

Moisten outside of windscreen frame R-73 (0.8 mm birch ply) with warm water and let soak for ca. 5 minutes. Apply tape across top and bottom of frame, bend frame around windscreen and secure to fuselage with tape. Let dry overnight.

Paint frames R-73, R-74 and R-75 (0.8 mm birch ply) and glue in place.

Glue in place frames after painting!



Final adjustments

Centre of gravity: 65 mm behind leading edge

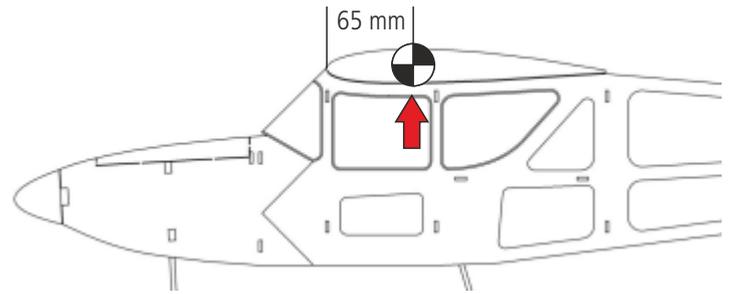
Wing incidence: 0,5°

Control throws (rear end of control surface)

rudder: 25 mm left/right

elevator: 15 mm up/down

aileron: 15/10 mm up/down



Electric power: Install motor and connect ESC and servos to receiver. Do not fit the propeller yet. Connect battery to ESC and adjust control throws of servos. Secure battery on battery tray with velcro or similar and balance model. The centre of gravity is located 65 mm behind the wing's leading edge. If possible, adjust centre of gravity by repositioning battery.

IC power: Install engine and tank and connect servos to receiver. Connect battery to receiver and adjust control throws of servos. Prop up tank (ca. 250 cm³) on battery tray with foam so that the tank's centre is level with throttle. Make sure to route fuel line to throttle as straight as possible and without kinks. For tank installation also refer to instructions included with engine and tank. Secure battery with velcro and balance the model. The centre of gravity is located 65 mm behind the wing's leading edge. Adjust centre of gravity with the tank three quarters full.

Noseleg: Place model on an even surface. Adjust height of noseleg so that model's nose has a slight downward attitude. This will allow the model to gain sufficient speed before take-off from ground.

First flight

The tricycle landing is ideal for ROG. However, if a suitable flying field is not available, a helper can easily hand-start the SkyMAXX. Bring the model up to a safe height and get used to the controls and the model's reactions. The recommended control throws are safe basis, which can be modified to your requirements.

Important:

Please observe regulations for model flying applicable in your country. Make sure you do not fly your model near airfields, roads, motorways, houses, high-voltage lines or groups of people. The pilot of a model is responsible for the safe operation of the model. We recommend you contact a local flying club for more information.

Have fun with your SkyMAXX!

Parts list

No.	Description	Pcs.	Material	Sheet	Type	Dimensions
H-0	wing jig	1	depron	0	laser-cut	3 mm
E-1A	former (electric power)	1	birch ply	6	laser-cut	3 mm
E-1B	former (electric power)	1	birch ply	6	laser-cut	3 mm
E-2	former (electric power)	2	birch ply	6	laser-cut	3 mm
E-3	cowling (electric power)	1	lightply	2	laser-cut	3 mm
E-4	adaptor plate (electric power)	1	lightply	5	laser-cut	3 mm
V-1	former (IC power)	2	lightply	5	laser-cut	3 mm
V-2	former (IC power)	2	birch ply	6	laser-cut	3 mm
V-3	cowling (IC power)	1	lightply	2	laser-cut	3 mm
V-4	adaptor plate (IC power)	1	lightply	5	laser-cut	3 mm
R-1	fuselage side	2	lightply	1	laser-cut	3 mm
R-2	fuselage side	2	lightply	1	laser-cut	3 mm
R-3	fuselage doubler	2	lightply	5	laser-cut	3 mm
R-4	former	1	lightply	2	laser-cut	3 mm
R-5	former	1	lightply	2	laser-cut	3 mm
R-6	former	1	lightply	2	laser-cut	3 mm
R-6-1	recinforcement	1	lightply	2	laser-cut	3 mm
R-7	former	1	lightply	2	laser-cut	3 mm
R-8	former	1	lightply	2	laser-cut	3 mm
R-9	former	1	lightply	2	laser-cut	3 mm
R-10	former	1	lightply	2	laser-cut	3 mm
R-11	foermer	1	lightply	2	laser-cut	3 mm
R-12	former	1	lightply	2	laser-cut	3 mm
R-13	servo tray	1	lightply	3	laser-cut	3 mm
R-13-1	servo tray reinforcement	1	lightply	2	laser-cut	3 mm
R-14	landig gear bracket	4	birch ply	6	laser-cut	3 mm
R-15	landing gear retainer	1	obechi		cut part	10x25x96 mm
R-16	wing retainer	2	birch ply	6	laser-cut	3 mm
R-17	triangular stock		balsa		cut part	8x8 mm
R-18	fuselage top panel	1	lightply	3	laser-cut	3 mm
R-19	fuselage bottom panel	1	lightply	3	laser-cut	3 mm
R-20	fuselage bottom panel	1	lightply	4	laser-cut	3 mm
R-21	instrument panel support	2	lightply	2	laser-cut	3 mm
R-22	instrument panel	1	lightply	2	laser-cut	3 mm
R-23	cabin roof	1	lightply	2	laser-cut	3 mm
R-24	fuselage bottom panel	1	lightply	3	laser-cut	3 mm
R-25	fuselage bottom panel	1	lightply	3	laser-cut	3 mm
R-26	magnet support	1	lightply	2	laser-cut	3 mm
R-27	magnet support	1	lightply	2	laser-cut	3 mm
R-28	magnet	2	metal		ready made	
R-29	hatch locator	2	lightply	2	laser-cut	3 mm
R-30	magnet support	1	lightply	2	laser-cut	3 mm
R-31	hatch locator	2	lightply	2	laser-cut	3 mm
R-32	hatch locator	2	lightply	2	laser-cut	3 mm
R-33	pilot's seat	1	lightply	4	laser-cut	3 mm
R-34	pilot's seat	1	lightply	4	laser-cut	3 mm
R-35	pilot's seat	2	lightply	1	laser-cut	3 mm
R-36	pilot's seat	2	lightply	1	laser-cut	3 mm
R-37	pilot's seat	2	lightply	1	laser-cut	3 mm
R-38	battery tray	1	lightply	4	laser-cut	3 mm
R-39	horizontal stabilizer	1	lightply	4	laser-cut	3 mm
R-40	elevator	1	lightply	4	laser-cut	3 mm
R-41	stabilizer sheeting	2	balsa	7	laser-cut	1.5 mm
R-42	elevator sheeting	2	balsa	8	laser-cut	1.5 mm
R-43	control horn	2	birch ply	9	laser-cut	2 mm
R-44	fin	1	lightply	4	laser-cut	3 mm
R-45	rudder	1	lightply	4	laser-cut	3 mm
R-46	fin sheeting	2	balsa	7	laser-cut	1.5 mm
R-47	rudder sheeting	2	balsa	7-1	laser-cut	1.5 mm
R-48	snake outer	2	plastic		ready made	Ø 3 mm
R-49	piano wire	2	metal		ready made	Ø 0.8 mm
R-50	snake inner	2	plastic		ready made	Ø 2 mm
R-51	extender	6	metal		ready made	M2
R-52	clevis	6	metal		ready made	M2
R-53	nut	2	metal		ready made	M5
R-54	screw	4	metal		ready made	M3

No.	Description	Pcs.	Material	Sheet	Type	Dimensions
R-55	washer	8	metal		ready made	ID 3.2 mm
R-56	stop nut	4	metal		ready made	M3
R-57	noseleg control horn	1	plastic		ready made	
R-58	noseleg bearing plate	1	plastic		ready made	
R-59	wheel collar	8	metal		ready made	4 mm
R-60	set screw	9	metal		ready made	M3
R-61	noseleg	1	metal		ready made	4 mm
R-62	nosel wheel	1	plastic		ready made	
R-63	landing gear retainer	2	birch ply	9	laser-cut	2 mm
R-64	landing gear	1	metal		ready made	4 mm
R-65	wheel	2	plastic		ready made	
R-66	fairing	2	birch ply		laser-cut	0.8 mm
R-67	fairing mounting block	8	lightply	2	laser-cut	3 mm
R-68	push rod	1	metal		ready made	M2
R-69	side window	2	PVC		die-cut	
R-70	side window	2	PVC		die-cut	
R-71	windscreen	1	PVC		die-cut	
R-72	decal instrument panel	1			ready made	
R-73	windscreen frame	1	birch ply		laser-cut	0.8 mm
R-74	side window frame	2	birch ply		laser-cut	0.8 mm
R-75	side window frame	2	birch ply		laser-cut	0.8 mm
F-1	main spar	2	lightply	10	laser-cut	3 mm
F-2	rib	2	lightply	10	laser-cut	3 mm
F-3	rib	2	lightply	10	laser-cut	3 mm
F-4	rib	2	lightply	10	laser-cut	3 mm
F-5	rib	2	lightply	10	laser-cut	3 mm
F-6	rib	12	balsa	11	laser-cut	2 mm
F-7	rib	10	balsa	12/13	laser-cut	2 mm
F-8	rib	4	balsa	13	laser-cut	2 mm
F-9	spar	4	spruce		cut part	3x8 mm
F-10	spar	4	spruce		cut part	3x5 mm
F-11	brass tube	2	brass		cut part	Ø 11/10 x 122 mm
F-11-1	brass tube end stop	2	lightply	10	laser-cut	3 mm
F-12	top wing sheeting	2	balsa	14	laser-cut	2 mm
F-13-R	top right wing sheeting	1	balsa	16-R	laser-cut	2 mm
F-13-L	top left wing sheeting	1	balsa	16-L	laser-cut	2 mm
F-14	wing root sheeting	12	balsa	14-1	laser-cut	2 mm
F-14-1	wing root sheeting	2	balsa	14-2	laser-cut	2 mm
F-15	aileron leading edge	2	balsa	17	laser-cut	2 mm
F-16	aileron end rib	2	balsa	13	laser-cut	2 mm
F-17	servo frame	2	lightply	10	laser-cut	3 mm
F-18	wing dowel bracket	2	birch ply	9	laser-cut	2 mm
F-19	wing dowel bracket	2	birch ply	9	laser-cut	2 mm
F-20	reinforcement	4	birch ply	9	laser-cut	2 mm
F-21	spacer	4	balsa triangular stock		cut part	40x10 mm
F-22	spacer	2	balsa triangular stock		cut part	40x10 mm
F-23	bottom wing sheeting	2	balsa	15	laser-cut	2 mm
F-24	bottom wing sheeting	2	balsa	17	laser-cut	2 mm
F-25	servo tray	2	birch ply	9	laser-cut	2 mm
F-26	servo bay sheeting	2	balsa	17-1	laser-cut	2 mm
F-27	servo bay sheeting	2	balsa	17-1	laser-cut	2 mm
F-28	leading edge	2	balsa		cut part	8x15 mm
F-29	root rib	2	lightply	10	laser-cut	3 mm
F-30	end rib	2	lightply	10	laser-cut	3 mm
F-31	wing tip	2	balsa triangular stock		cut part	10x30 mm
F-32	aileron web	2	balsa	17	laser-cut	2 mm
F-33	wing dowel	2	beech		cut part	6x100 mm
F-34	servo mounting block	4	spruce		cut part	5x10 mm
F-35	control horn	2	aluminium		ready made	
F-36	clevis	4	metal		ready made	M2
F-37	threaded rod	2	metal		cut part	M2x30 mm
F-38	wing joiner	1	composite material		cut part	Ø 10x240 mm
F-39	wing mounting template	1	birch ply		laser-cut	1 mm
F-40	wing mounting screw	2	plastic		ready made	M5
F-41	servo tray mounting screw	8	metal		ready made	2.2x65 mm

Also from the aero-naut range of models:



Triple Speed, R.E.S., Thermic

3-in-1 model: 1 fuselage - 3 different wings
wingspan 1,780, 1,990, 2,550 mm
laser-cut wood kits



Luscombe Silvaire 8

wingspan 1,600 mm
laser-cut wood kit complete with landing gear



Lilienthal 40 RC

wingspan 1,190 mm
FF-model with RC option
laser-cut wood kit; ideal for projects in clubs or schools

Visit our website at www.aero-naut.de

**aero-
naut**

aero-naut Modellbau
Stuttgarter Strasse 18-22
D-72766 Reutlingen

www.aero-naut.de

1370/00-EZ-01/2018