

Construction Detail
Part 2 of 3

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NG TENSION ESSED INTO

RD TAIL. SEC IN OUTSIDE JIRED

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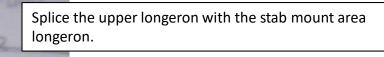
Make four longerons from the stock provided in the kit.
Use the four hard balsa sticks for the forward portion of each longeron. Aft of the rear motor peg hole lighter density sticks can be spliced on to carry through the length required to meet the tail post area.

Trap the scarf joint ends between scrap stock to glue together. Use of clear packing tape on the surface of the scrap stock prevents glue from sticking to anything but the splice area.

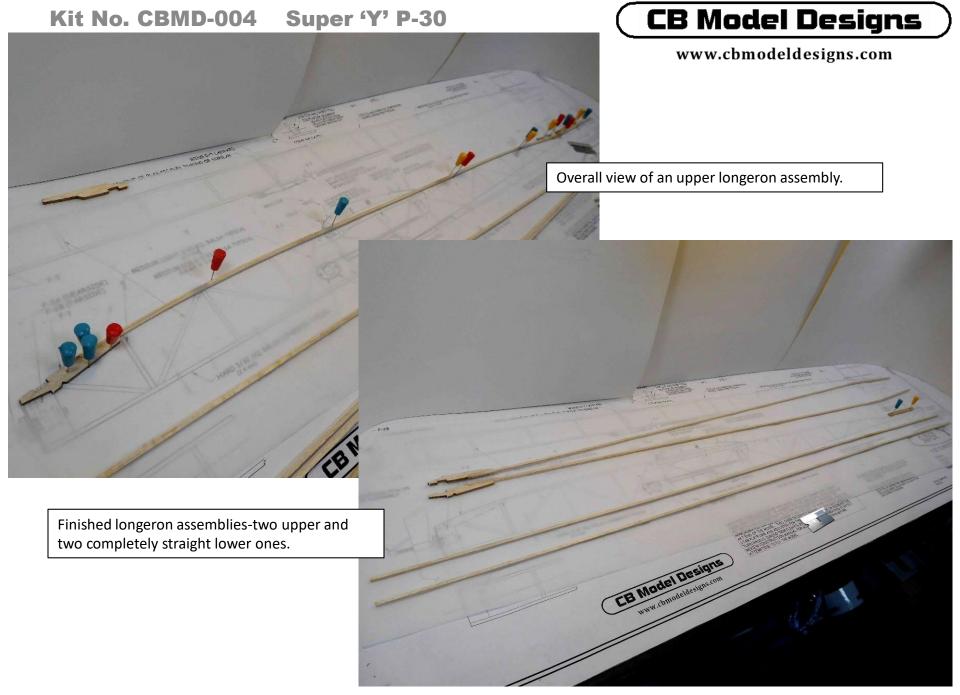
KIT NO. CBMD-II

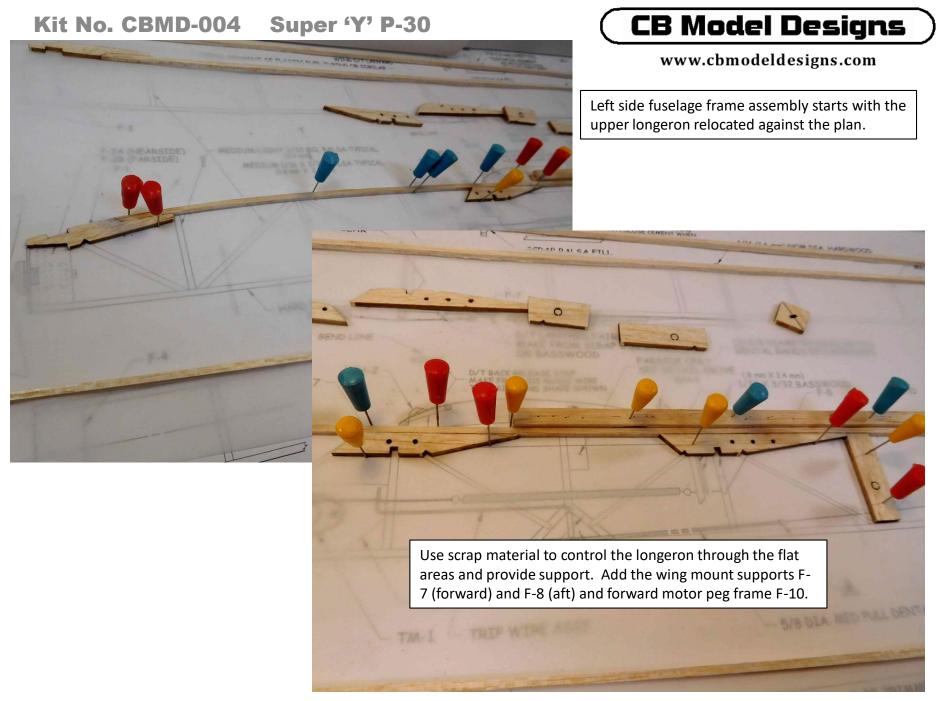
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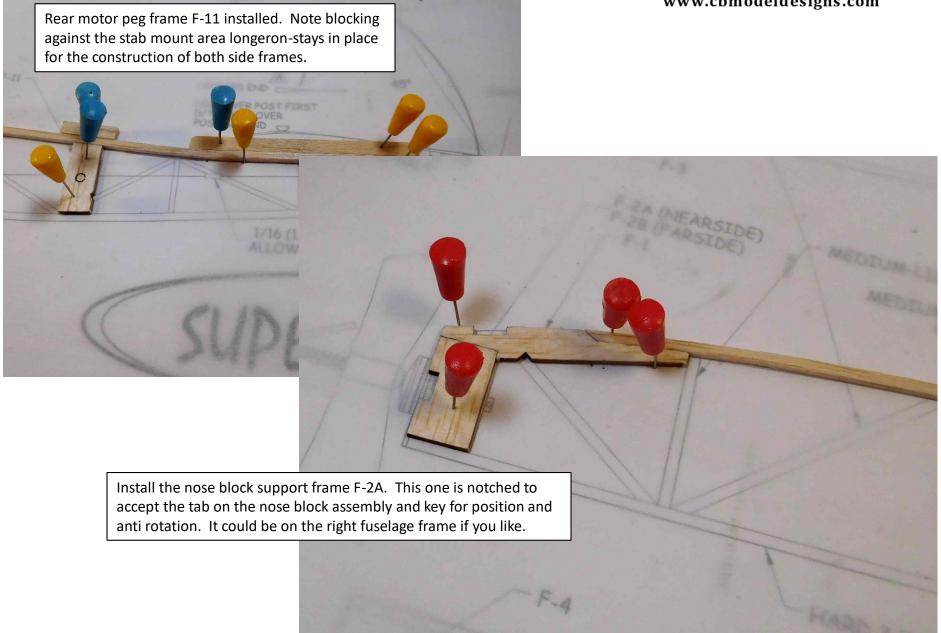


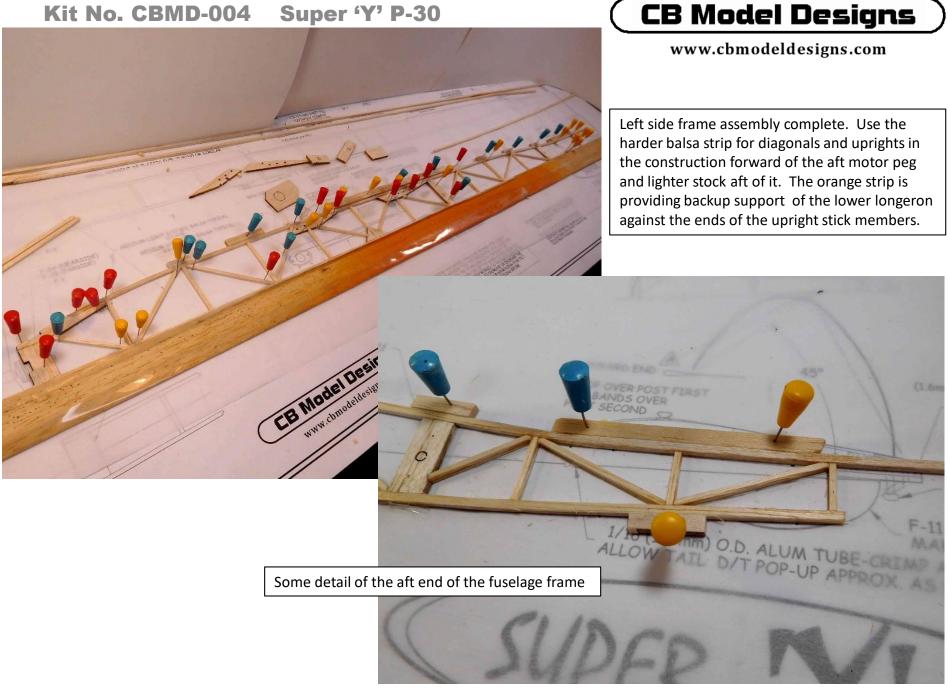
With the longeron pinned to the plan profile, splice the end to fit into the notch in F-1 former and glue together.





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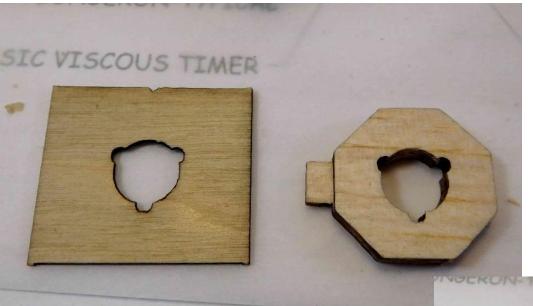




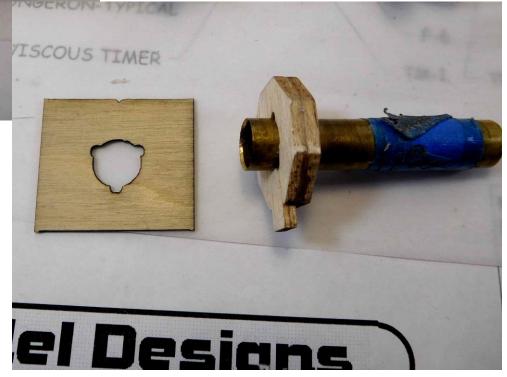
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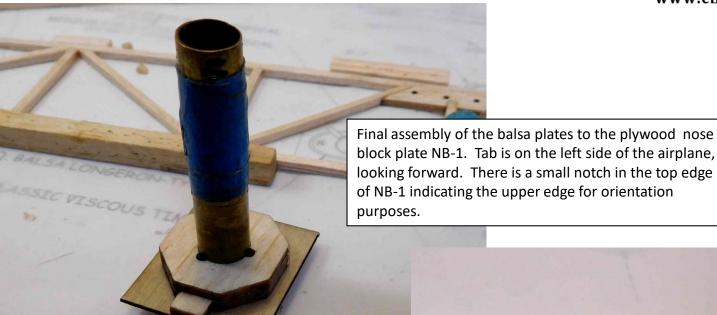


Assemble the nose block while the side frame glue is drying. Assemble the two balsa plates NB-2 & -3. Use a 3/8" diameter dowel or tube to provide alignment of the parts through the prop bearing holes.



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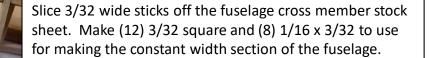
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Use the scrap end of the 3/32 laser part sheet and make a segment that matches the width of F-4. This section of stock will be used to slice 3/32 wide segments for use in joining the fuselage halves.



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Position a fuselage frame against the plan aligned to the top view profile. Use a blocking strip to keep the side frame straight and secure during assembly. Pin the lower cross members in place over the drawing and glue ends against the side frame lower longeron. Use of cellulose or aliphatic resin glue is suggested for this operation.

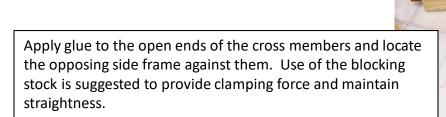
(32 SQ. BALSA LONGERON-TYPICAL

BADGE CLASSIC VISCOUS TIMER

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Lower fuselage cross members and F-4 in place. Note the blocking across the forward end to provide a positive stop for the opposite side frame, forward end.



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Install the F-5 gussets using a pin to position in place. Cellulose cement/aliphatic glue best for this operation to allow positioning. F-3 can then be installed in the notches in F-1 formers. Add the remaining F-5 gussets after the fuselage is assembled and pulled from the building board.

Using a 90 degree reference tool, position an upper cross member in place between the two frame longerons. Push lightly against the side being held against the tool with your finger while maintaining pressure against the building board and opposing side frame with your thumb. Apply drops of thin CA at the upper cross member ends to secure the stick once position is satisfactory using your other hand. Move to the next location and repeat-this is a very fast and easy way to assemble a fuselage of this type of construction.

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The constant width section of the fuselage completed. Removed to adjust the blocking to clear the tapered section of the fuselage in the next assembly steps.

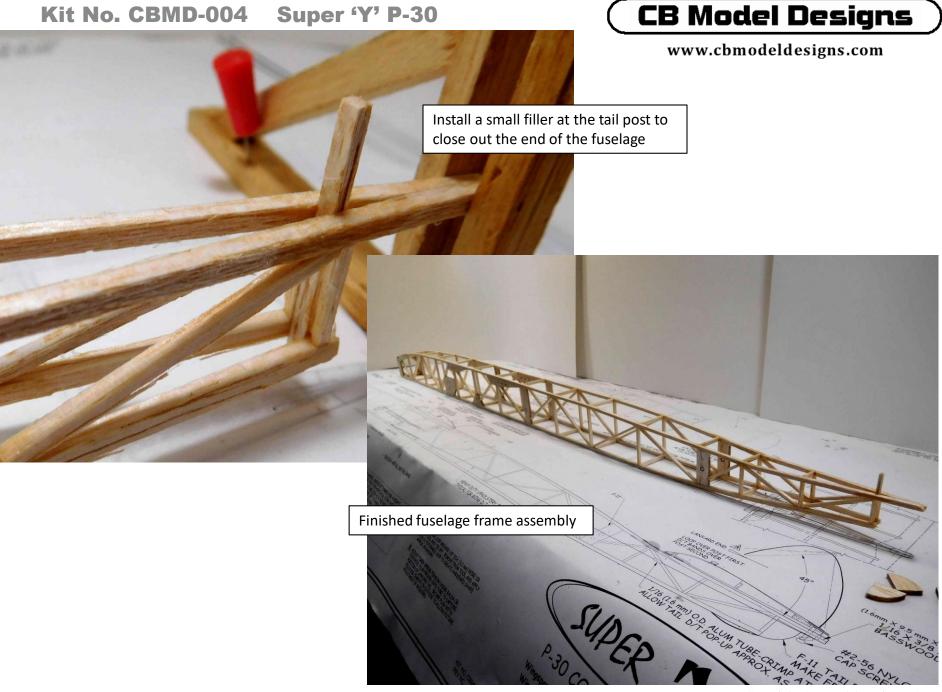
With the fuselage positioned on top of the plan view layout, trim the aft ends of the upper longeron to length and taper the inner edges to allow splicing at the end joint. Use blocking or other 90 degree tools to center the splice location to the plan. Dry fit, sight the length of the fuselage to eyeball for asymmetrical bow or other misalignment. If good, glue the longerons at the splice-leave all in place for the final cross member installations.

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Getting ready to install aft section cross members. It's easier to install the upper ones while jigged and then add the lower pieces once the framing is off the board. Cut sets for each location so you have top and bottom the same dimension.

Installing the cross members in a similar fashion as done for the rest-where practical. Tweezers may come in handy as you get toward the tail post.



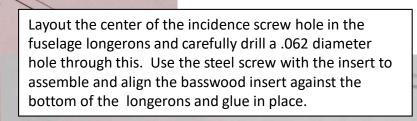
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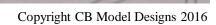


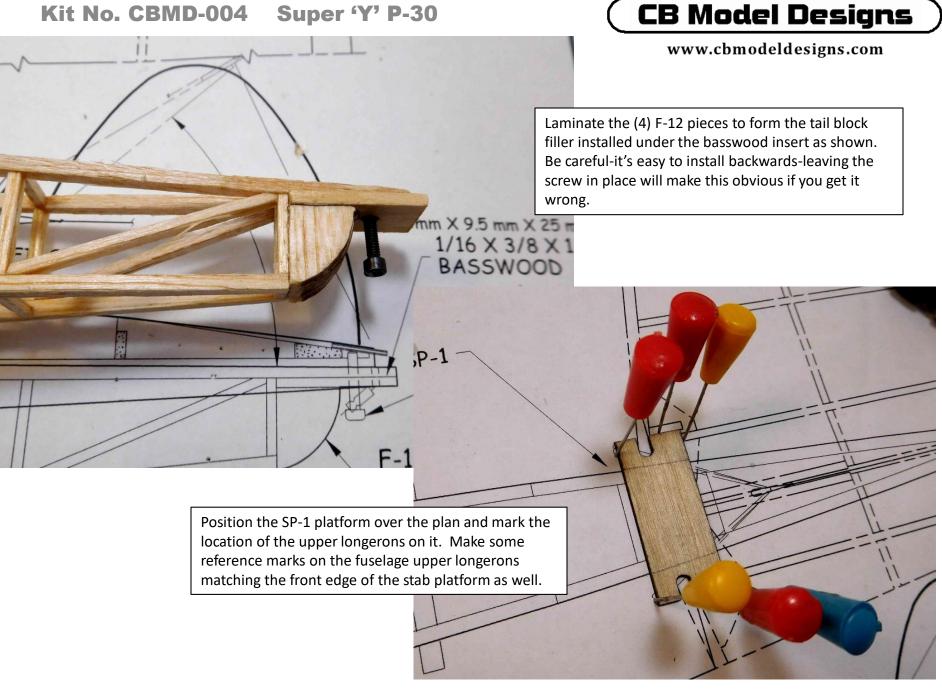
Kit No. CBMD-004 Super 'Y' P-30

MEDIUM 1 3 3 3 3 8 ALS

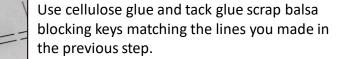
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Install the stab platform onto the fuelage top-make sure the position matches the reference marks you made for the front edge of the platform. Note-prior to installing the platform make sure you have sanded the taper in the tail platform longerons to the tail post. This provides some clearance for incidence angles on the stab. Glue SP-1 platform on as shown-when glue is dry use acetone to soften the glue holding the keys onto SP-1 and remove the keys.

