



Trevor Boundy <trevor@boundy39.com>

178 Lancer 850 - Building Bulkhead/Stringer Structure Behind Wing Fairing

1 message

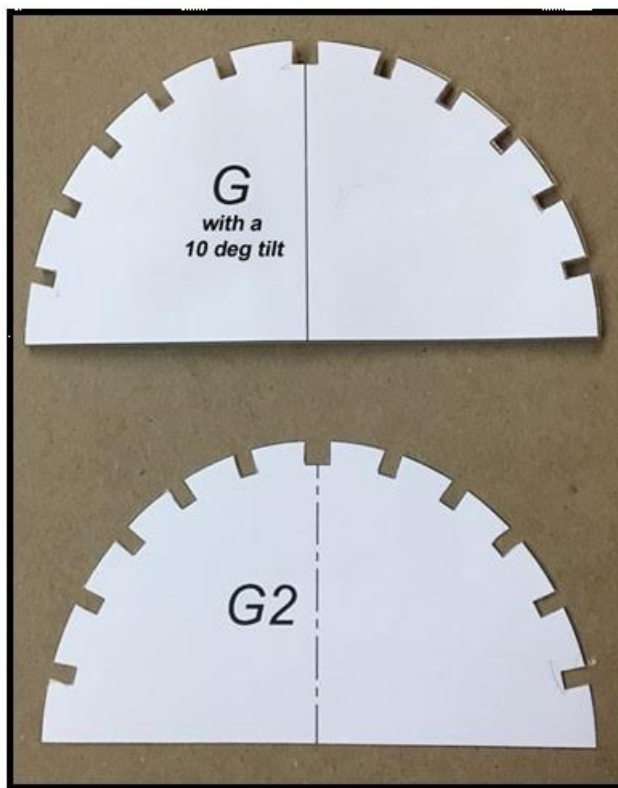
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Wed, Aug 15, 2018 at 6:17 AM

Report No. 178

*New Cyclone Lancer 850**August 14, 2018*

The first step was to cut out the G2 bulkhead and the G bulkhead with a 10° tilt from 1/8" sheet balsa as shown below.



Next the G2 bulkhead was jiggged up at 90° with a block and glued in place as shown below.

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The "I" bulkhead was rejigged with a block and a 1/8" X 3/16" brace was glued in place to hold it at 90° as shown below.



In this close up, you can see that the brace runs down to the bottom of the G2 bulkhead.

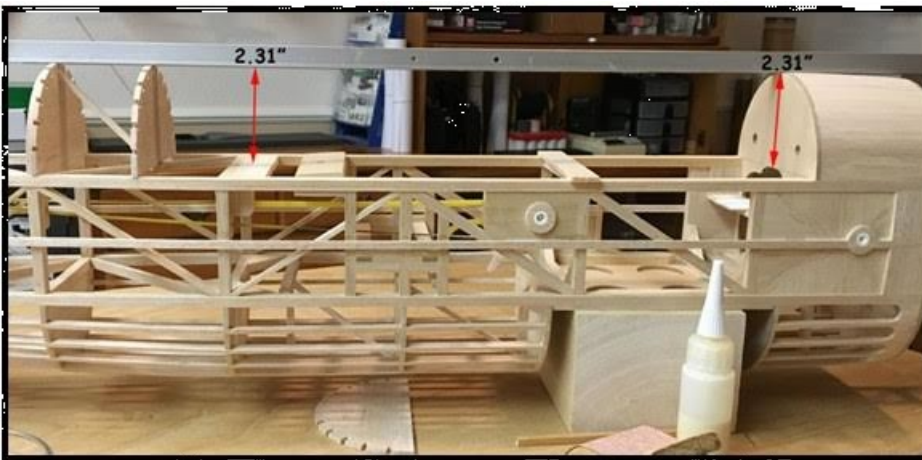
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This 1/2" aluminum angle was used to verify the constant ~ 2.3" height as shown below.

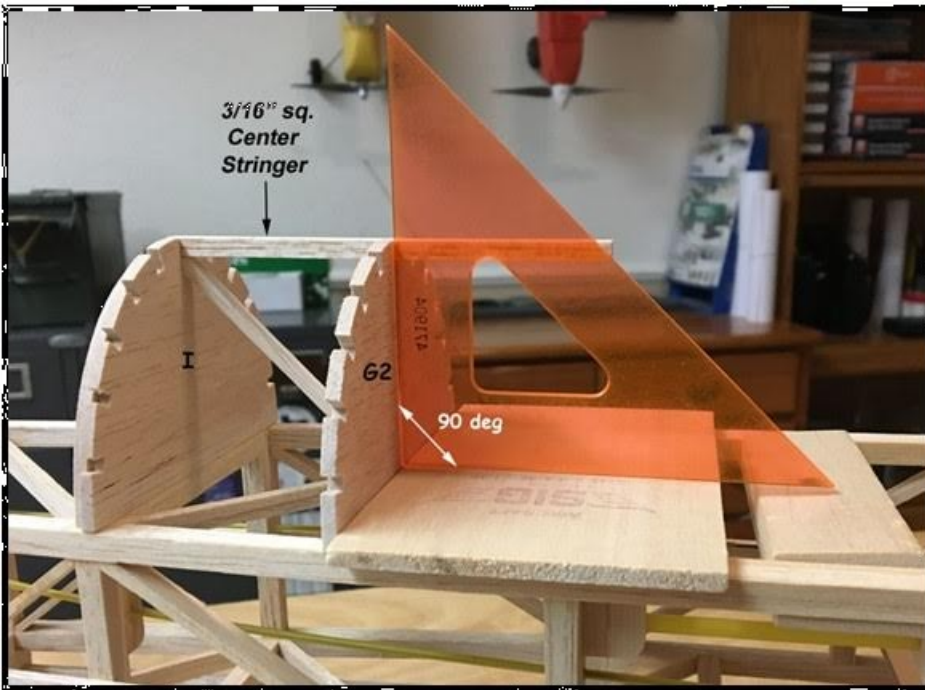


A 3/16" center stringer was temporarily placed in the notches of the I and G2 bulkhead. A triangle as used to adjust the G2 bulkhead to 90° so the center stringer could be marked as shown below.

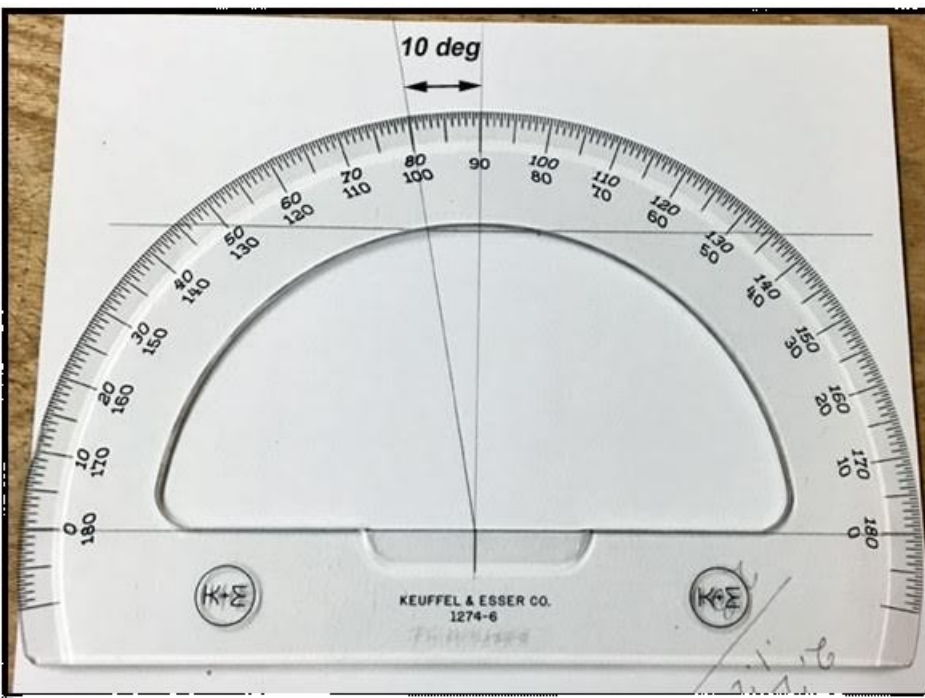
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A 10° angle was laid out on paper with a K&E protractor as shown below.

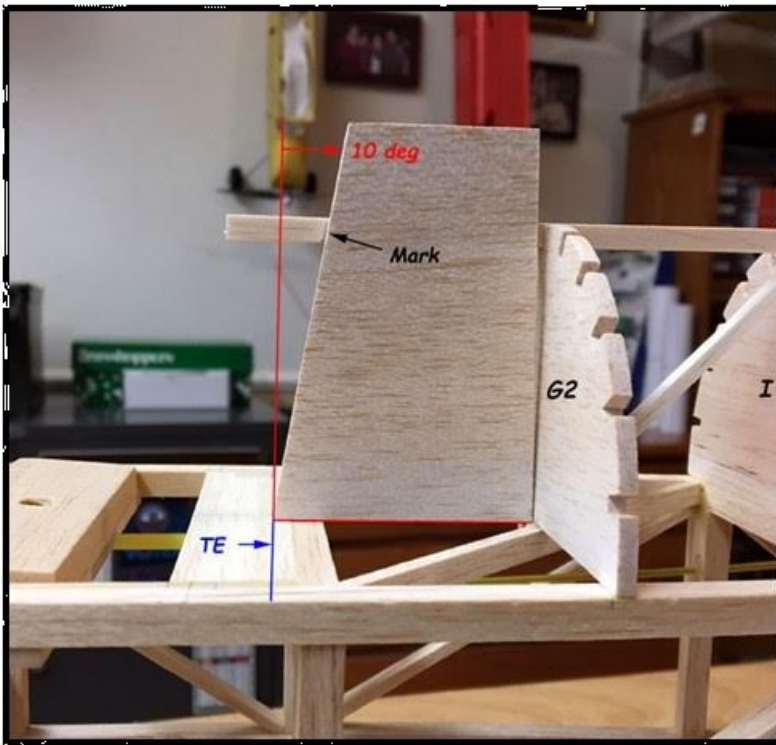


The 1/8" balsa template shown below was made with a 10° slope on one edge.

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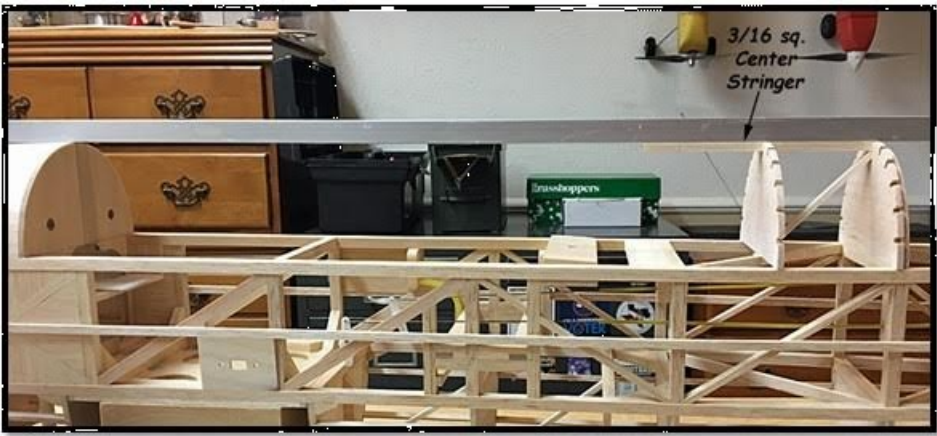
Here you see how the template was used to mark the G location on center stringer to provide the 10° aft tilt.



Before

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glued in place using the 1/2" aluminum angle as shown below.



This picture shows the G bulkhead with the 10° tilt glued in place.



This picture shows all ten 1/8" X 3/16" stringers glued in place.....Tandy

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