

Kit No. CBMD-007 Construction Detail Part 1 of 2

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Model data:

•Weight ready to fly	153 grams
•Wingspan	36 Inches
•Wing Area	235 Sq. In.
•Nominal Length	



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Alignment blocking for stab plan form control. Build the forward 'D' section first, and then set all the truss ribs between the spar and trailing edge.



Nose ribs and stab platform filler-position the filler carefully to match the slot locations to the drawing.









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Tip area-note the truss ribs contact each other where they cross-make sure to glue these joints

INSTALL WHEN SETTING DIHEDRA

W. TR IS SET AND REMAINING DIA

Upper truss ribs installed along with remaining gussets common to the trailing edge

WTE-LA

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Another view of the tip rib fit up-note the washout jig under the trailing edge

Fitting the 1/16 x 3/32 leading edge cap to the tip rib-use 3/32 scrap under the cap for offset

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W-2 with lower cap installed and bridging doubler on top 5POFW-2 Lower truss ribs installed first

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Upper truss rib installation on the center panelnote shear tie WST-1 installed between the upper and lower ribs where they cross. Do not omit as these add a lot for torsional stiffness in the wing structure.

WST-1 installation-remove the upper tab after gluing and blend the remaining top flush to the top of the rib during sanding

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The tip panel WST-1 locations need to be supported by shimming under the lower rib at the location they are installed. Make sure there is no preload up or down on these joints to prevent unintended deflection of both ribs after unpinning from the building board.

Showing an example of a tapered shim positioned until there is no movement of the lower spar. Also note the gusset WG-3 installation.







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Finish the inboard side of the dihedral joint by installing the soft $3/32 \times 1/8$ upper filler attached to W-3B



Setting up the tip panel to finish the truss rib installation, gusset and filler. Note the washout jig is in place to support the panel as constructed .



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Finished dihedral joint-note the altered W-1 ribs have been installed when both panel sections were flat on the building board

WS-2

DG-1

W-3B

Install the tip panel turbulator spars

WS-2

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WG-3



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View of the filled area sanded flush to the wing upper surface plane