

At Oshkosh 82 I was given a tip by one of our Canadian neighbor Osprey builders for an easier way to form the spray rail. This method conforms very well to the compound curves required for the spray rail and gives a nice straight line without any waviness that I have seen on other installations using the plans method.

1. 3/4" thick triangular blocks were cut out at the required 108° angle. Three 1/4x1/4 notches were cut out of each block with a dato blade.
2. The blocks were then attached temporarily to the outer fuselage skin with hot melt glue (sparingly) at each fuselage upright.
3. 1/4x1/4 pine strips were ripped from scrap pine and glued to the 1/4" notches for the full length of the spray rail.

4. Heavy cardboard (mat stock) was then glued to the 1/4" strips to form a temporary platform on which to lay up the spray rail.
5. Wax the cardboard and lay up the spray rail. Hint: Lay up a layer of peel-ply first over the waxed cardboard and you won't have to de-wax the top side of the rail later when you lay up the other side.
6. Trim the spray rail to the proper shape and knock off temporary jig.

