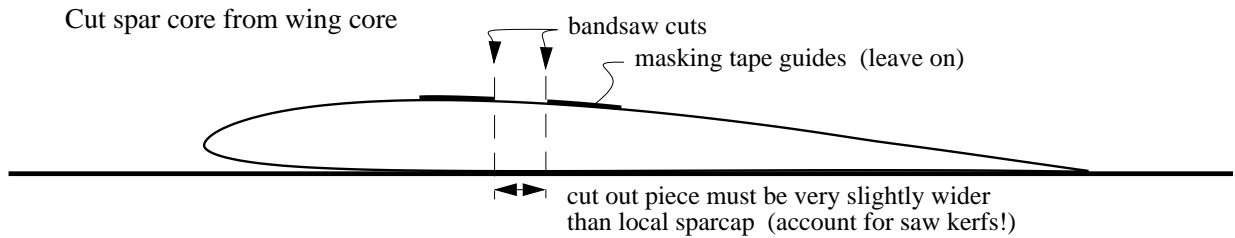


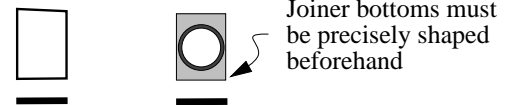
Wrapped-Spar Construction with Bagged Wings

MD 12 July 04

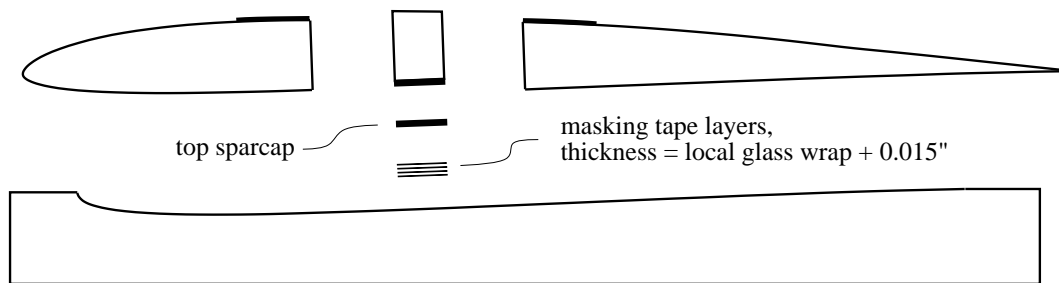


Glue foam cutout to bottom spar cap, including prefabbed joiner boxes.

Bond with foam is not critical (sparse 5 min epoxy OK).
Bond with joiner boxes is critical (gap-free slow epoxy essential).



Stack pieces in foam bed:



Sand spar core and joiners flush with top of wing core



Glue on top spar cap



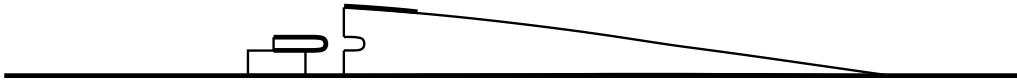
Round off cap edges (can be done beforehand)



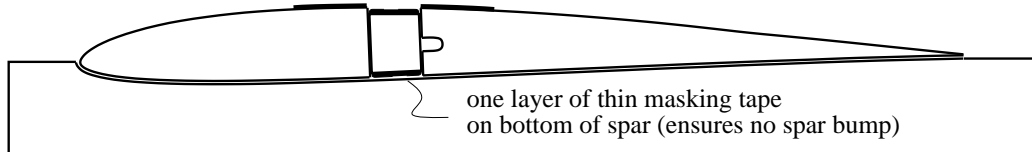
Wrap spar with glass, wet out & bag



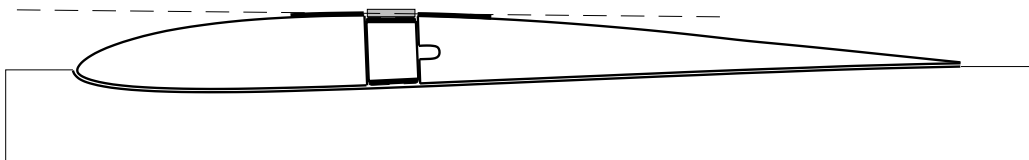
Sand servo wire channel



Tack-glue cores onto spar (bond quality not critical)

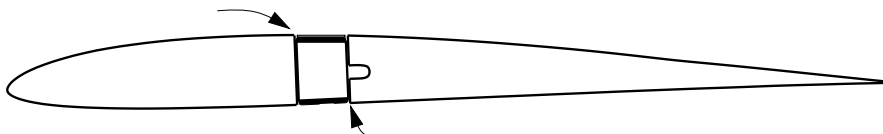


Glue on medium A-grain 1/32" balsa strip, sand flush (very little will be left)



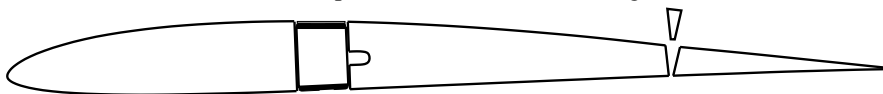
Fill corner voids with Micro-fill, sand foam and fill flush with spar

Slight sanding into glass on sparcaps is tolerable (assuming cap edges are well rounded)



Cut and prepare for integral hinge (optional).

This step can be done first, to reduce risk of spar work loss due to bad hinge cut.



Bag wing as usual.

