## 6 FINISH CENTER WING PANEL

	Check for excess epoxy near the aluminum channels and sand	it away so it won't interfere with sheeting.
	Sand the back edge of the panel on each side of the long ribs, j	ust like in the figure in Section 5.
□ ribs.	Sand the bottom trailing edge spar, just like the previous step.  This is where the laminated balsa filler blocks will go later - the	<del>-</del>
	Once again, plan ahead for your hinge installation and add any	reinforcing blocks if necessary.
	Pin or weight down the panel over the plans. Make certain 1) ging off the edge of the table, and 3) the trailing edge isn't bow TE of the panel to be absolutely straight.	
	Glue on the 1-3/8" strips to the back edge of the wing.	
□ (vert	When dry, trim the overhang (top only). Add shear webs tical grain) to the front face of the rear spars, 14 places.	
☐ the \	Add the two 1/4" x 1/2" x 5" spruce reinforcement sticks to W-1 ribs as shown on the plans and in the photo.	
the p CAU mate gluir	Add the 3/32" plywood wing bolt plate. The front edge of plate should overlap 1/8" onto the top trailing edge spar. JTION! I had to sand nearly a full ply off to make the plate ch the thickness of the balsa sheeting. Check yours before ng and take steps to be sure it will be flush with the trailing e sheeting to be installed next.	Center Wing Panel, Right-Side Up - with the shear webs and spruce reinforcing sticks in place. Be careful working around those ribs hanging off the table - they're easy to bump into.
	Add the top TE sheeting (3/32" x 2-3/4"). You will have to note	th the sheeting to fit around the wing bolt plate.
	Add the final 16 shear webs to the main spars, two in front of the	e main spar and 14 in the back.
	Sand the top edge of the sub LE to match the airfoil contour in p	preparation for the leading edge sheeting.
Trim and fit the 1/2" balsa laminates to fit between the W-1 ribs at the leading edge, two places. It's important that these fit well and match the contour of the ribs so that they will bond securely to the wing sheeting. These blocks will take the brunt of the load from the wing dowels holding the wing to the fuselage. Glue the blocks firmly in place.		
Glue the top LE sheeting in place using the same technique as before. This is a big sheet of wood and it could be easy to get it misaligned from one end to the other. Tack glue it at a few spots along the leading edge to hold it in position. Once you are satisfied that it's positioned properly, go ahead and finish gluing it with CA along the leading edge. Smooth the sheeting down and glue it to the main spar starting at the center and work your way outboard.		
Glue on your top wing joint sheeting (two places), the top center sheeting (not the portion aft of the wing bolt plate), and the top capstrips (six places).		
	Remove from the table, trim the trailing edge sheeting, and re-c	alue your new joints with medium CA.

## FINISH CENTER WING PANEL, Continued...

Flip upside down, pin the top TE sheeting flat to your table, and support the LE with wood.				
Cut and fit two more chunks of balsa laminate to fit between the W-1 ribs at the trailing edge spar. The blocks should fit firmly against the spars and the wing bolt plate. Epoxy these blocks in place.				
☐ Add the bottom TE sheeting (3/32" x 2-1/2").	Above: A laminated balsa block trimmed to fit at the LE.			
Add the bottom center TE sheeting (3/32" x 6"x 10-1/8"). Notice that the rear edge of this sheet actually extends well beyond the ribs. Use the plans as a guide for the proper placement.	with the ten I E alcostine a alcome			
☐ Remove the wing from the table, flip it over, pin it down right-remove the temporary stick from the top of the W-1 ribs.	side up, and			
The rear edge of the bottom center TE sheeting must be beveled to match the slope of the top of the ribs. The best tool for this is to mask off most of your sanding block, leaving a small strip of sandpaper exposed to sand the balsa. Now you can add the top center TE sheeting (3/32" x 4-1/2" x 10-1/8").				
When dry, flip the wing over upside-down and pin it down, this time with the top spar against the table. Support the TE with a stick, then take a long careful look at the panel from all angles to be certain it is warp-free.				
☐ Bevel the sub LE to match the rib contour, then glue the bottom LE sheeting in place.				
Add the bottom wing joint sheeting, the center sheeting, six capstrips, and allow to dry. Cut holes in the wing joint sheeting for access to the setscrews in the channels. Some builders may want to add guide tubes to help guide your balldriver to the setscrews.				
six capstrips, and allow to dry. Cut holes in the wing joint sheeting for access to the setscrews in the channels. Some builders may want to add guide tubes to help guide your	Center Wing Panel, Top View - You can see the			
six capstrips, and allow to dry. Cut holes in the wing joint sheeting for access to the setscrews in the channels. Some builders may want to add guide tubes to help guide your balldriver to the setscrews.	Center Wing Panel, Top View - You can see the bottom center TE sheeting has been beveled to match the rib contour. When the top sheeting is			
six capstrips, and allow to dry. Cut holes in the wing joint sheeting for access to the setscrews in the channels. Some builders may want to add guide tubes to help guide your balldriver to the setscrews.  Unpin, trim the LE and TE sheeting. Add the LE cap.	bottom center TE sheeting has been beveled to			
six capstrips, and allow to dry. Cut holes in the wing joint sheeting for access to the setscrews in the channels. Some builders may want to add guide tubes to help guide your balldriver to the setscrews.  Unpin, trim the LE and TE sheeting. Add the LE cap.  When dry, carve and sand the LE cap to the airfoil contour.	bottom center TE sheeting has been beveled to match the rib contour. When the top sheeting is glued on, the glue joint formed between the two sheets will help toughen the wing trailing edge.  as you did for the aileron servo mounts. You will			