

Start the nacelle assembly by marking the inside left or right with a soft led pencil then trim off the ends flush with the front and back of the nacelles. The nacelle halves have been formed with a male/female type joint. One side is simply trimmed to the provided line while the other side has a step formed in the surface. Trim the side with the formed step in it so you retain as much bond area as possible. *Left* After the halves have been trimmed do a practice assembly using pieces of tape to hold them together. Make the necessary adjustments to the fit and leave the tape in place.



Bonding:

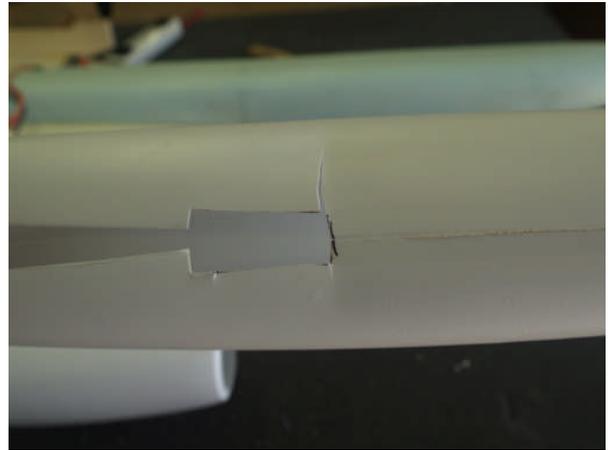
Do not use CA adhesive on the nacelles. The bond will be brittle and will craze the plastic surface and cause cracks in a short period. Model Masters plastic cement *Above right* works best for the job however, given the thickness of the material excessive amounts of cement will distort the seam so apply a single bead of cement along the bond area. *Above left*

Bond one seam at a time. Remove the tape from one side leaving the tape on the other to help hold the nacelle together properly. Apply the cement to the seam and align the front

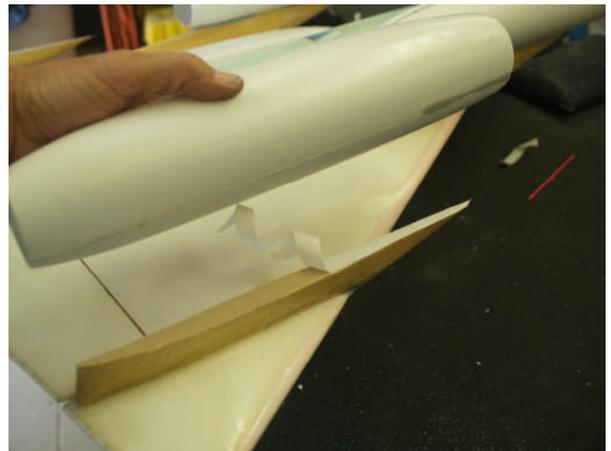


edge first then the rear. Quickly slide the ends until the edge of the male half meets the step in the female half. You can only reach the first 3 or 4 inches of the seam to press them together with your fingers. For the rest you will need to use a flat stick to apply pressure from the inside against your fingers. *Right* After the cement has set move on to another nacelle and allow the fresh bond to dry.

Note that the nacelles that will cover the motors will only require a bond up to the forward tip of the motor pylon. This is necessary so the aft end can be spread out and “swallow” the motor assembly. Any closer to the motor mount hole will result in a crack in the nacelle. *Left*



To hide the seam I used automotive body filler for its bonding qualities and flexibility. Use masking to tape off the seam area and apply a thin coat of the filler. Wet sand the filler avoiding making the plastic any thinner. To mount the nacelles I used double sided tape to hold it in place while a small bead of clear silicone was drying around the pylon edge. *Right*
Note the width of the filler...



Cockpit canopy

Use the plastic canopy as a guide while sanding the final shape of the canopy area. Once you get a good fit, mark the foam using the canopy as a pattern. A smooth metal object can be used to form a step in the foam by denting it so the canopy will be flush with the fuselage skin. Another method would be to sand a step in the foam. Use epoxy to attach the canopy to the foam. Several plies of glass cloth around the edges of the canopy will blend the canopy to the fuselage skin.

