

Please read and understand all

instructions before continuing!

Stuff you will need:

One set of each 5 and 15 minute epoxy One sheet of each fine and medium sand paper Ruler and pencil Masking tape Cellophane tape



NOTE: Be sure to scuff all parts to be bonded using medium sand paper.

Refer to the "Kwik-Switch 2000" instruction sheet when assembling the "Kwik-Switch 2000"



A) Assemble the "Kwik-Switch 2000" mother tube. B) Slide the standard centering ring over the Kwik-Switch Mother Tube until 1/4" of the Mother Tube is protruding through the centering ring. Make 3 or 4 tabs using cellophane tape as shown above to aid in removing this ring later. Do not use any glue at this time, this centering ring will be removed in a subsequent step. C) Epoxy the notched (top) centering ring over the exposed shoulder of the mother tube screw adapter. Make sure the notch in the centering ring is aligned with the gap in the ridge of the mother tube screw adapter to allow piston strap to pass through as in the following step.



Slip one end of the piston strap (the 3/4" wide one) through the notch in the centering ring. Epoxy about 4" of this strap to the side of the motor tube. Hold the strap in place against the tube with masking tape until the epoxy cures. Stuff the free end of the strap into the motor tube to keep it out of the way for the next step.





Screw a nut onto the eye bolt. Thread the eye bolt through the hole in the coupler bulkplate. Place the washer over the eye bolt threads protruding through the bulkplate. Tighten the other nut against the washer. Apply a drop of CA to the threads of the eyebolt to keep the nuts from loosening. Epoxy the bulkplate assembly inside the coupler tube about 1/8" from the end. Apply an epoxy fillet to both sides of the bulkplate.

Draw a pencil mark around the coupler 2.5" from the end opposite the bulkplate. Spread some epoxy inside the payload section to a depth of about 2". Push the coupler into the payload section using a slow twisting motion up to the pencil mark.

Drill a 1/8" hole in the payload section 4" from the top to bleed off air pressure build-up during flight.



When tying the shock cord to the parachute and the "D" ring, loop the shock cord through twice then tie a double overhand knot. Pull the knot tight and leave 2-3 inches of excess cord after the knot.

Now it's time to paint and detail your rocket!



The center of pressure (CP) of this rocket is 43 inches from nose tip. After \Box finishing your rocket, permanently mark the center of pressure on the airframe. CP Calculations were made using RockSim 4.0 program for subsonic flights. After loading the rocket with a motor, make sure that the center of gravity (balancing point) is at least 3" forward of the center of pressure mark. The center of gravity can be moved forward by adding weight to the nose cone. The average finished weight of this model is 39 ozs. It is impossible to test every rocket with every motor configuration therefore, if you are unsure about motor selection for any rocket consult the motor manufacturer.