Sam and CARI King's Shied $K_{\text {Kite }}$

dotted line path. The pointed end of the path should be on the bottom of the kite, approximately $1 / 4$ " from the edge of the sail
(mid-way across the edge binding). See Diagram 8 .

BRIDLE ATTACHMENT REINFORCEMENT AND POINTS The top two bridle points are centered on the top side pockets, $91 / 2$ " from the center of the kite. Trim the corners of the ets, $9 / 2^{n}$ from the center of the kite. Trim the corners of the
adhesive
 back of the kite. Hot cut a hole at the bridle points indicated The bottom bridle point is centered on the kite approximately -10" from the bottom of the kite. The exact position is no Hot cut two holes about $1 / 2$ " apart centered on the spine in the middle of this reinforcement.

STICKS
The spine is .220 " carbon tube. Slip a medium end cap on one end and put that end into the top pocket. Tension the kite and mark the spar at the bottom of the kite. Cut on your mark and
 medium end cap. D not put into kite yet. The cross spar is $.230^{\prime \prime}$ carbon reinforced fiberglass tube. Slip a large end cap on one end and put that end into one of the top corner pockets. Tension the kite and mark approximately $1 / 8 \prime$ opposite pocket. Cut on the mark and slip on the second large end cap. Measure twice, cut once. Do not put into kite yet. The bottom tensioning spar is .010 " solid fiberglass cut at $283 / 4$ Slip a small end cap
put into kite yet.

The top bow line is 58 " long. Fold 10 " over at one end and tie a loop using a figure of eight knot. Repeat this process at the other end of the string. You'll end up with a 16 " length in the middle with a 10 " loop at each end. Using a prusik knot, attach one loop onto one end of the cross spar. Slide the cross spar through the horizontal portion of the cross spar channel and then tie the other loop onto the opposite end of the spar ets. This will take some effort, but this spar does not come out of the kite, so you only have to do it once. The shortest length

of string is for the bottom tensioning spar line. Tie a small 2-3 loop in one end. Using a double larkshead knot, tie this to the bottom tensioning spar. Install the spar into the kite. Run the free end of the line through the spine tensioning channel then towards the front of the kite through a hot cut hole. Run the free end to the back of the kite through the second hot cut hole and back through the spine tensioning channel. Tie this end to the downward portion of the line using a trucker's hitch (sliding) knot. You can control the amount of tension the bot tom spar exerts on the outside of the kite skin by tensioning

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\text { This fito utilizo } \sim \text { Tchamod hridl- Trko }
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This kite utilizes a $T$-shaped bridle. Take one bridle leg and run it from the front of the kite, through the hot cut hole in the reinforcement at one of the top bridle points and tie to the cross spar using an overhand slider knot. Repeat this process to tie the other end of this line through the opposite top bridle point. In the remaining bridle line, tie a small 3-4" loop in one end. Attach this to the top bridle point using a double larkshead knot. Center this knot on the top bridle leg. Run the other end of this line towards the back of the kite through one of the holes at the bottom bridle point, around the spine, and then back towards through the other hole. Tie a bowline knot, leaving a healthy loop as this will allow you a bigger loop to slip the spine through when you
assemble the kite. Add a pig tail and you're a pig tail and
ready to fly!

