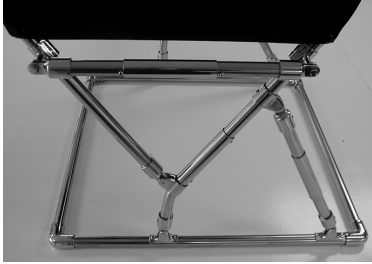


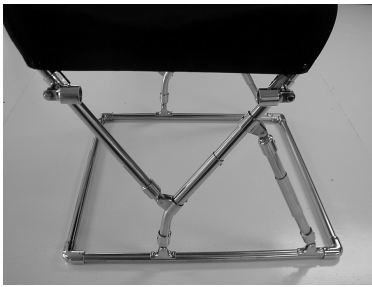


Gemini Products
Installation of Gemlock folding struts
on biminis and dodgers
50 Tillson Ave. Rockland, ME 04841
www.geminicanvas.com



Finished product after installation. Photo 1

Struts can be placed inboard or outboard of the frame. Place the struts as high as possible for the most powerful leverage.



Tension the frame using straps, line etc. Position the 4 sliding side mounts as desired. They will usually be parallel to the fabric edge. Secure them using the set-screws. Install an eye end on each side mount. Position them to face each other as shown. Photo 2

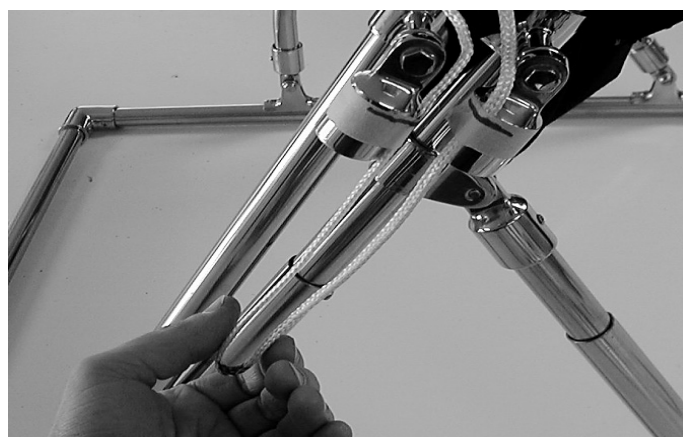


We will now create a string line pattern for cutting the correct lengths for the finished folding strut.

Use tape to attach a length of string, line or tape to the eye ends. Mark each end of the line at the base of the eyeend where the tubing will end in the socket. Note which end is forward / which is aft. Mark it so.



Picture 4 shows a close-up of the marked line. You have now marked the cut tubing ends of the finished strut. Do not remove the patterning string yet!



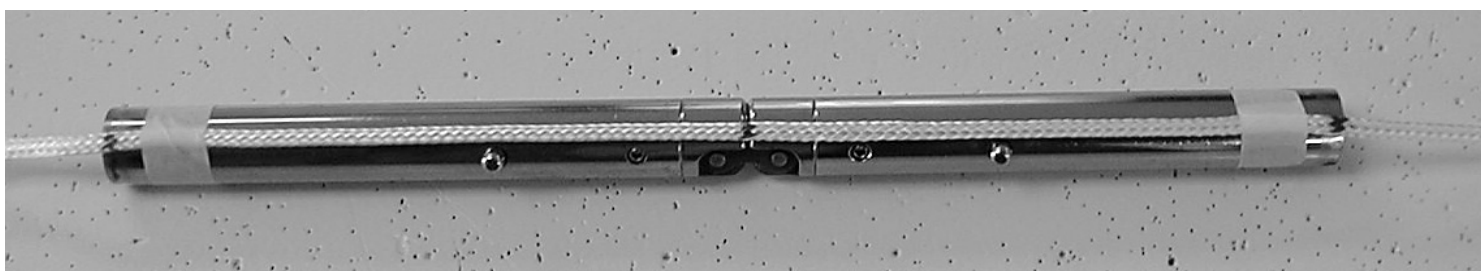
You must now mark the position along the line where the hinge in the strut must be. Incorrect placement will result in a folded strut that binds up or folds out of position. Photo 5

Fold the bimini frame back onto its aft legs. For boats with a backstay passing through the bimini fabric, fold all bimini frames up to the backstay & secure.

Pull the slack patterning line down alongside the folded frame. Mark the dead bottom with permanent marker. This mark represents the position of the hinge along the strut. Photo 6



This shows what the finished strut looks like in position. Photo 7



Remove the pattern strings from port & starboard. Note which side is which and which end is front and aft. Tape each string pattern to each extended strut. The middle mark will be the center of the hinge. You need only transfer the end marks to the tubing. Cut the strut tubing to the end marks. Tension the top by pulling the struts up into full extension. Slide the sleeve over the hinge to secure the joint. Limited adjustment can be made to the top's fabric tension by sliding the side mounts downward on the frame legs. Moving them too far will affect the storage position of the folded struts.