



Gemini Marine Canvas & Marine Products

Custom canvas • DrillSteady • Gemlock struts & hinges

Simply elegant. Simply effective. Simply better.

Installing Gemlock folding struts

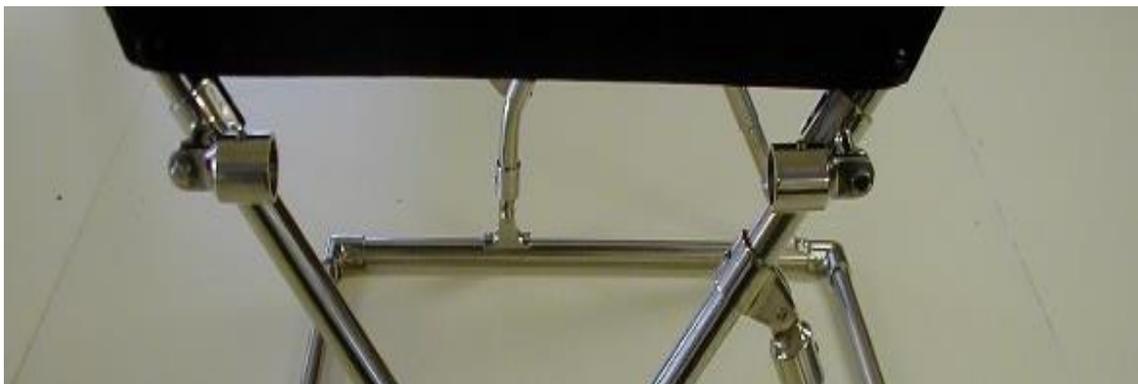
Materials required:

- 2 x assembled Gemlock struts (buy complete or build your own using our assembly guide)
- 4 x Gemini sliding side mounts and 4 x eye ends in size to fit frame and strut tubing
- Masking tape
- Line, straps or string, including two pieces equal to length of struts
- Permanent marker

Installation steps:



Step 1: Struts can be placed inboard or outboard of the frame. Place the struts as high as possible for the most powerful leverage. See installed strut in locked and folded positions above.



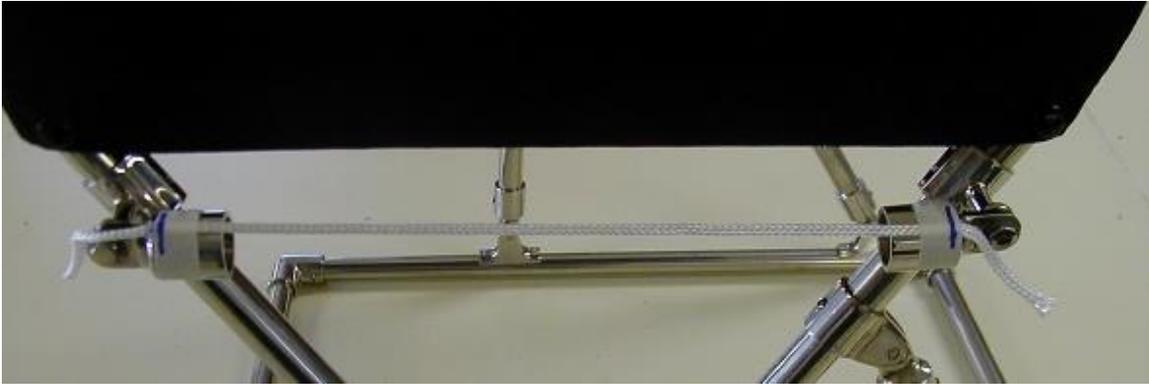
Step 2: Tension the frame (using straps, line, etc). Position the four sliding side mounts (forward/aft port/starboard), usually parallel to the fabric edge. Secure them using the set screws. Install an eye end to each side mount, positioning them to face each other as shown.

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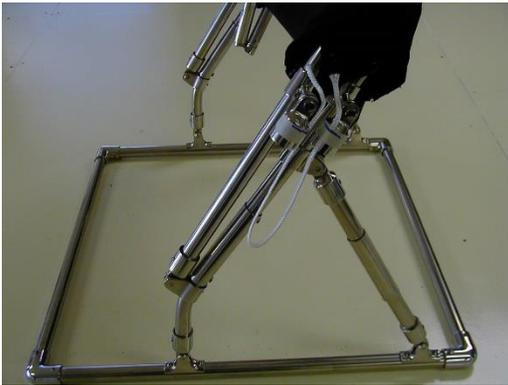
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Step 3: Tape a length of string, line or tape to the eye ends. Mark each end of the line at the base of the eye end where the tubing will end in the socket. *Mark port/starboard sides and forward/aft ends.* Leave marking line taped in place.



Step 4: To find the correct position for the hinge in the strut, fold the frame (in this case a bimini) back onto its aft legs. For boats with a backstay passing through the bimini fabric, fold all bimini frames up to the backstay and secure. Pull the slack patterning line down alongside the folded frame and mark the very bottom. *Incorrect hinge placement will result in a folded strut that binds up or folds out of position.*



Step 5: Remove the patterning strings and tape each to a fully extended strut, placing the hinge mark at the center of the hinge. Transfer the end marks to the strut tubing and cut the tubing at the marks. Install struts in correct port/starboard forward/aft position. Tension the frame by pulling the struts up into full extension and sliding the locking sleeve over the hinge to secure the joint. Sliding the side mounts downward on the frame legs can make limited adjustment to the tension, but moving them too far will affect the storage position of the folded struts.