

Rope Repair

ALWAYS DISCONNECT ANY ELECTRICAL APPLIANCE BEFORE ATTEMPTING ANY REPAIRS



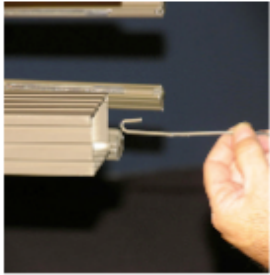
1A



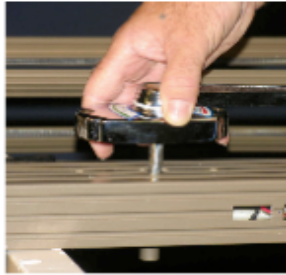
1B

STEP 1: PREP

- Tools needed: (1) Phillips screwdriver, (1) flat screwdriver, (1) 10' heavy-gauge wire, (2) pliers, duct tape [1A]
- Lay the umbrella frame on its side with the crank handle facing up [1B]



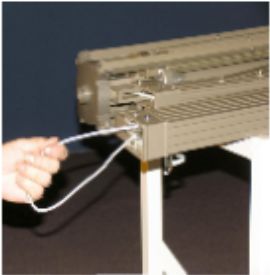
2A



2B

STEP 2

- Remove the rope wrapped around the crank shaft by inserting the wire into the bottom of the frame post, hooking it onto the rope, and pulling as you unwind the crank [2A]
- Unscrew the (2) bolts and remove the crank assembly. Wiggle the crank as you pull, so the knot will be moved away from the shaft. [2B]



3A



3B

STEP 3

- Remove the top cap from the frame post. Pull the rope out to locate the broken end [3A]
- Connect the broken end to the new rope using a 5-6" piece of duct tape. DO NOT tie a knot [3B]



4A



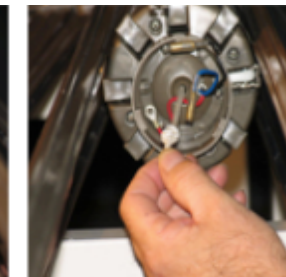
4B

STEP 4

- Use the old rope to pull the new rope through the system, starting at the bottom of the upper support arm [4A]
- Pull the new rope out of the top of the lower support arm [4B]



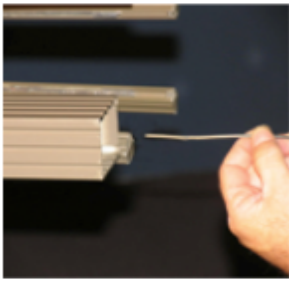
5A



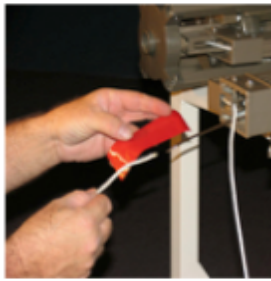
5B

STEP 5

- Disconnect the ground wire and remove the light globe and the globe holder [5A]
- Pull the old rope until the new rope appears. Discard the old rope and tie a knot in the new rope. Reattach the globe holder, making sure to connect the ground wire [5B]



6A



6B

STEP 6

- Insert the wire into the bottom of the frame post until it appears out of the top of the frame post [6A]
- Connect the new rope to the wire, using a 5-6” piece of duct tape. Use the wire to pull the new rope down to the crank [6B]



7A



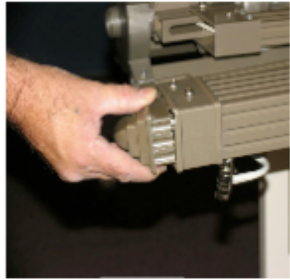
7B

STEP 7

- Use a small wire to hook and pull the first wire out of the frame post. Insert the rope into the crank shaft and tie a knot [7A]
- Insert the knot into the frame post, then insert the crank shaft into the frame post. Reattach the crank assembly using the (2) long bolts [7B]



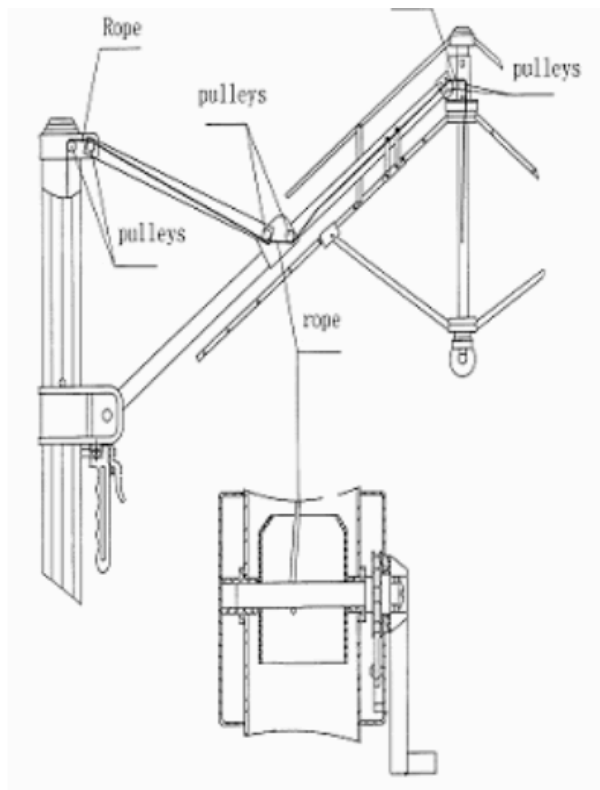
8A



8B

STEP 8

- Grab and pull the rope from the top of the frame post to get the knot tight against the crank shaft [7A]
- Put the top cap back on the frame post and spin the crank counter-clockwise to take in the slack [7B]
- Test the rope by opening and closing the canopy



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**150 W 88th St #114
Bloomington MN 55420**



**952.884.0326
vriendenoutdoor@gmail.com**