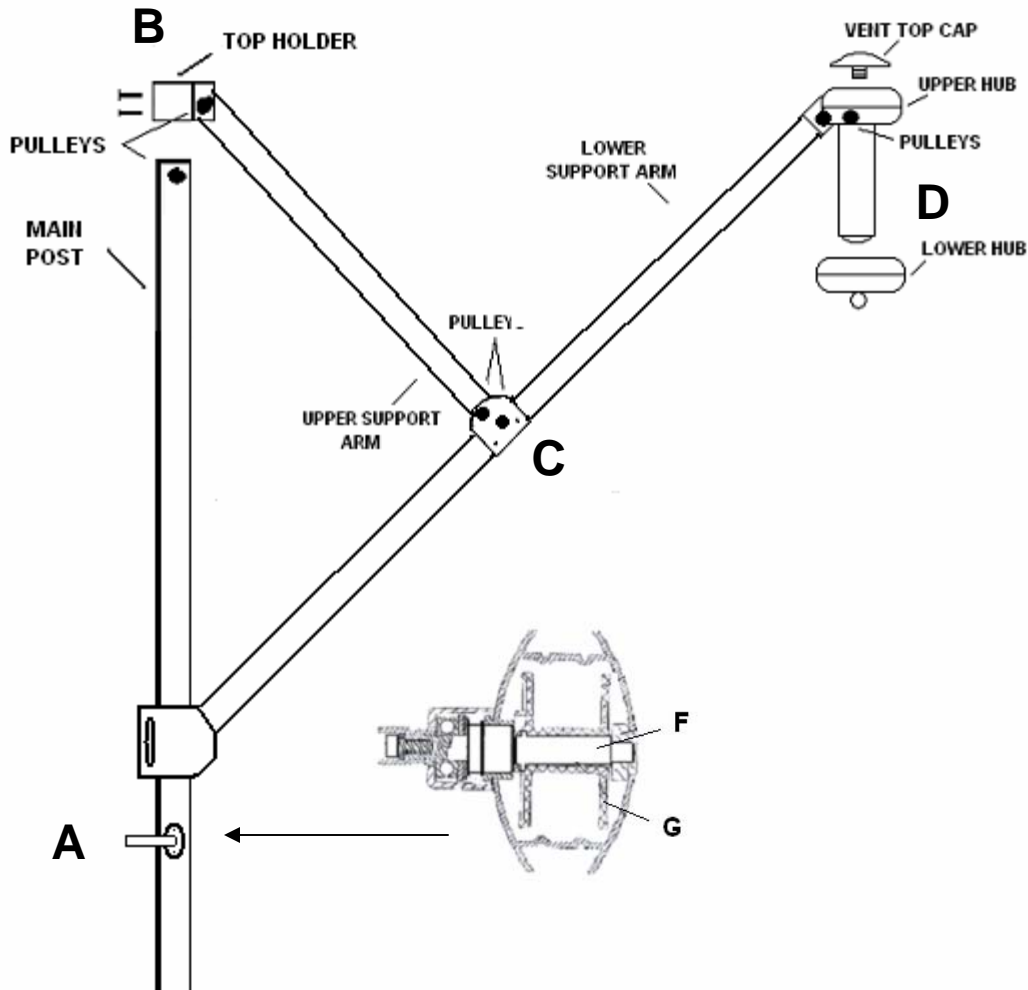


Replacing a rope



Step 1

Remove the fabric and lay the umbrella on its side with crank handle facing up.

Step 2 (for lighted umbrella)

Remove the light cover and light bulb. Remove the light bulb holder and light cover holder. (D)

Step 3

Pull the old rope out a little and untie the knot at the end of the rope (D). Connect the old and new rope together by heating the two ropes together or using duct tape. Note: do not tie a knot in order to splice the ropes.

Step 4

Use the old rope to pull the new rope thru each section of the frame (D&C), until you reach the top of the main post (B). **NOTE:** Be careful to go around the correct side of the pulleys (always on the outside of each pulley). Return to the lower hub and disconnect the old rope and discard. Re-tie a knot at the hub. Pull the remainder slack in the rope out the top of the main post. Re-attach the components parts at the lower hub.

Step 5

Remove the two screws at the top holder and separate the top holder from the main post in order to pull the new rope out the top (B). Remove the two screws on the crank cover. (A) Insert a screw driver thru the metal axle sleeve on the back side of the crank assembly and push the crank (F) out. Be careful to keep the crank assembly together when removing it. (refer to Repairing the Crank Assembly Inst.)

Step 6

If lighted umbrella, remove the power switch and power socket and pull wires out the post to allow the rope wheel to slide down the post. Use a long heavy gauge wire to reach up from the bottom of the main post and pull the rope wheel (G) down and out the bottom. Untie the old rope from the wheel and discard the old rope.

Step 7

Insert a long heavy gauge wire into the bottom of the main post and out the top of the post. (B) Tape the end of the new rope the end of the wire. Use the wire to pull the rope down the post.

Step 8

Tie the new rope to the wheel. Use the wire to push the wheel back up the post into position. Make sure the axle sleeve is in position. Slide the complete crank assembly back into the post, thru the wheel and into the axle sleeve on the back side. Re-attach the two screws to the cover and tighten.

Step 9

Re-attach the power switch and power socket to the main post. Re-attach the top holder (B) with the two screws and tighten.

Step 10

Once again, confirm the rope is properly positioned onto all six pulleys. Place the umbrella upright into its stand and test the rope and the lights.