

Canopy Stuck On Open With Crank Handle Off

- I. Problem:** *Combination of...* (a) Umbrella stuck on open even with crank handle completely off, **and** (b) Unable to close canopy when pulling on the runner.



- II. Cause of problem:** Cord's knot got jammed between full spool of cord and crank housing.



Knot got jammed between spool of cord and housing. This can happen only when the umbrella is fully opened.

III. Repair:



Loosen collar located on top of crank case, move it away from case.



Loosen and remove the two bolts from back side of crank housing... then **STOP!**

CAUTION!! Opening of crank case may cause canopy to drop and close due to knot loosening from case, ask for help to hold and slowly close the canopy after opening of crank case.



View of AG19 with crank case removed (and canopy closed)

Steering rod with cord and spool but without crank case.

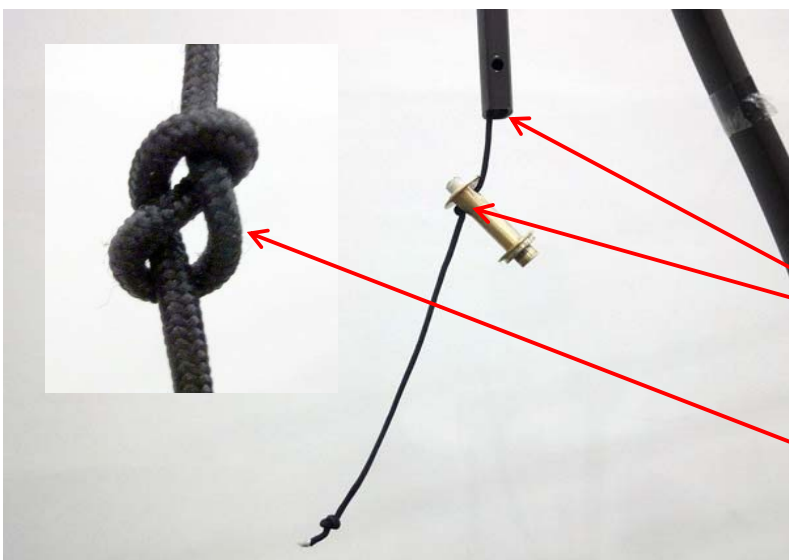


You should have these parts separated from umbrella frame (exactly as shown).

Note the difference in length between the 2 bolts.



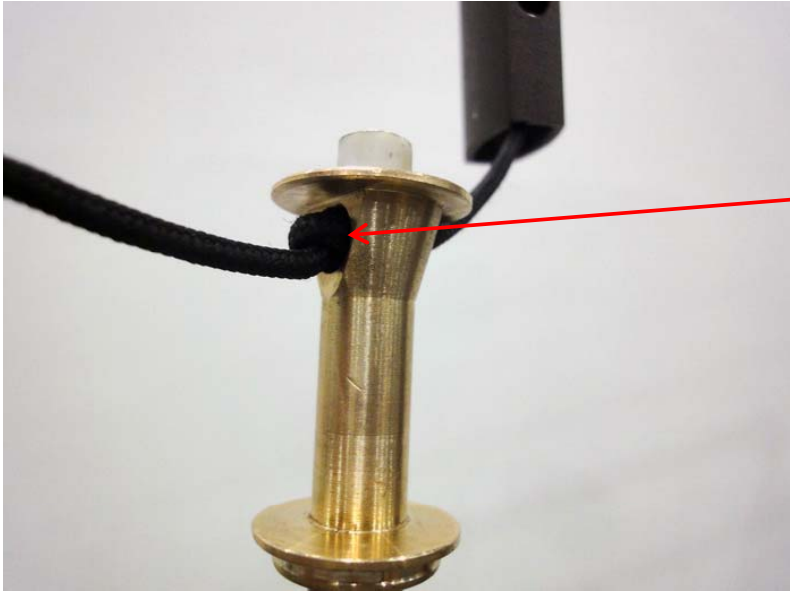
The excessive cord slack was part of the problem which need to be reduced in length



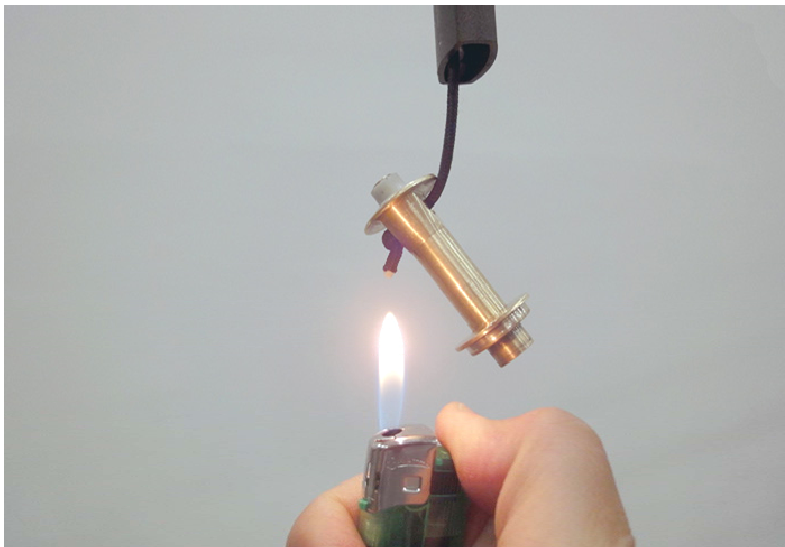
Tie a new "figure 8" knot at about 2 inches from bottom of steering rod.

About 2" in between

"Figure 8" knot



Pull the "figure 8" knot tightly and tuck half of the knot inside of the crank spool.



Cut off unneeded cord below the new knot and partially melt the cord end to prevent fraying.



Reassemble the crank housing and ...

You're Done!!