

# HOW TO RE-CORD AG19 CANTILEVER

**Note:** Thoroughly read instructions before attempting to replace cord. These steps must be performed with the cantilever removed from cross bar stand and canopy taken off frame.

## STEP 1 Disassemble Crank Case

Remove the AG19 from the cross bar stand and lay on soft clean surface.



Remove 2 bolts from crank case using a 2.5mm hexagon wrench.



Set aside.



Slide ring off crank case and down steering rod.



Remove crank case cover.



Remove steering rod from crank case and set aside.



Remove brass part from crank case.



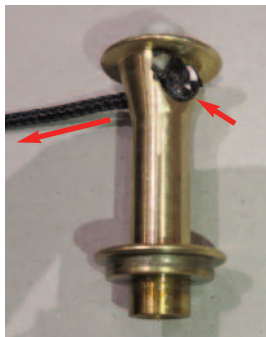
Locate replacement cord.



Insert new cord through smaller side of brass part.



Tie a figure 8 knot closest to the end as possible.



Stuff knot into hole of brass part and pull cord through other side to secure.

### STEP 2 Disassemble Tilt Degrees Mechanism



Using a 4mm hexagon wrench, remove 3 bolts from tilt degree mechanism.



Set aside.



Remove 2 covers and **retainer** from tilt degree mechanism.



Remove steering rod from tilt degree mechanism.



Guide cord end of steering rod.



Pull cord through ??? end of steering rod.

### STEP 3 Disassemble Hinge



Push cantilever arm down.



Remove 2 bolts from hinge.



Remove hinge cover.



Set aside hinge cover and 2 bolts.



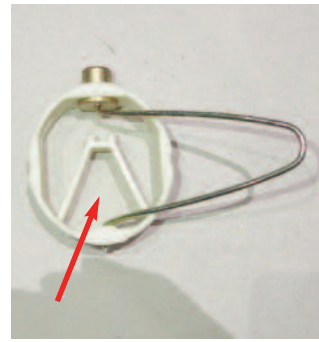
## STEP 4 Guide Cord Through Cantilever Arm



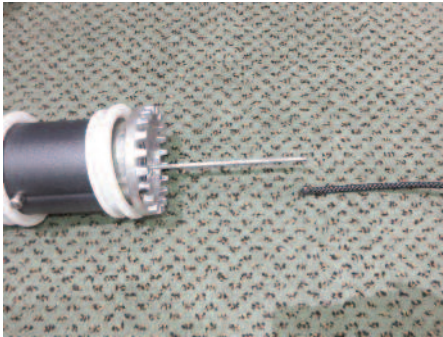
Make sure spring lock is faced upward.



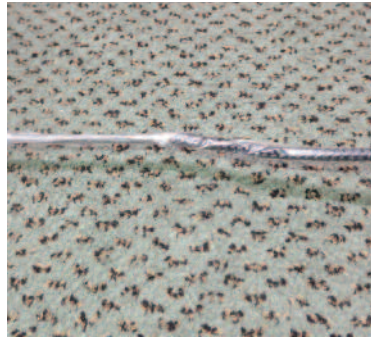
*It will be necessary to use a flashlight to see inside the cantilever arm for the next 2 steps. Using a thin rod, approx. 5' long, guide rod through top of cantilever arm.*



It is imperative the rod is guided through the triangle section of the **above ring**, located inside the cantilever arm.



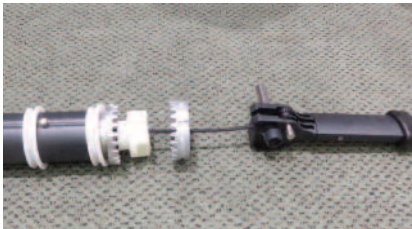
Once the rod has been guided through the cantilever arm successfully, locate end of cord.



Tape end of cord to end of rod.



From the top of the cantilever arm, gently pull rod out until taped cord appears.



Continue to pull cord from top of cantilever arm until no cord is left at tilt degree mechanism.

## STEP 5 Reassemble Operating Handle



Locate operating handle and crank case parts.



Reinsert **brass part** to crank case.



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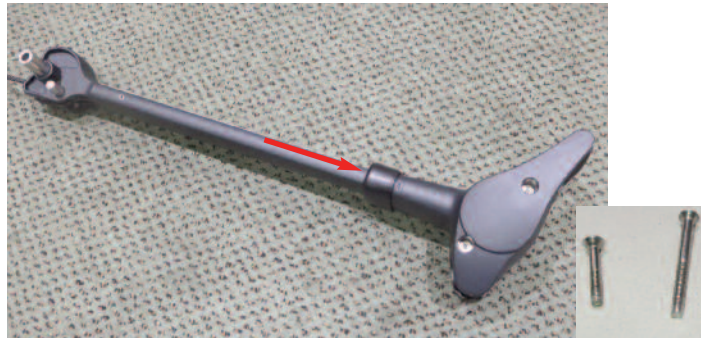
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Reinsert steering rod into crank case.



Reattach crank case cover.



Slide ring onto crank case and secure crank case with 2 bolts using a 2.5mm hexagon wrench.

**STEP 6 Reassemble Tilt Degree Mechanism**



Place rod back into tilt lever mechanism by pushing up into tilt degree mechanism.



Insert support strut into tilt degree mechanism and secure with **pin**. Place top cover and retainer onto tilt degree mechanism and tighten with 4mm hexagon wrench.



Place lower cover onto tilt degree mechanism and tighten with 2 bolts using 4mm hexagon wrench.

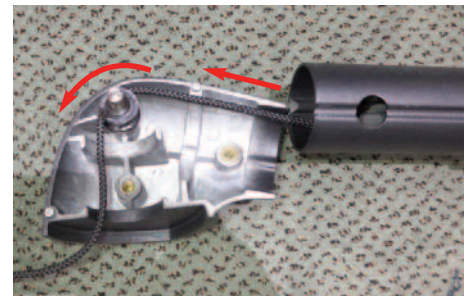
**STEP 7 Reassemble Hinge**



For this next step, it may be necessary to cut rod in half. Guide end of rod with taped cord through top of **canopy structure**.



Pull rod with taped cord through lower runner. Set aside.



From top of cantilever arm, guide cord around outside of **cord guide**.



Set hinge in cover.



Reattach other side of hinge cover and secure with 2 bolts.



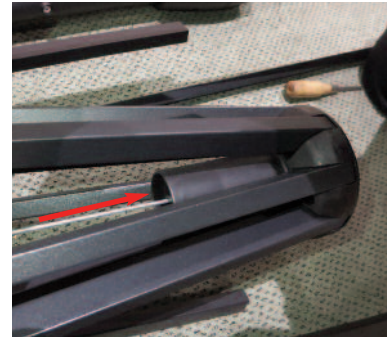
**STEP 8** Guide Cord Through Lower Hub



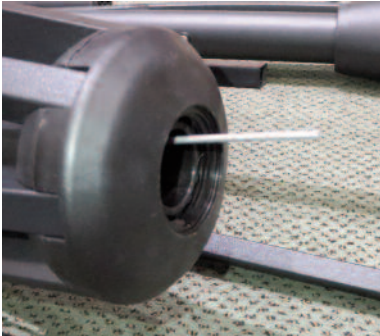
Pull down light adapter and remove cap and 2 screws using a Phillips screwdriver.



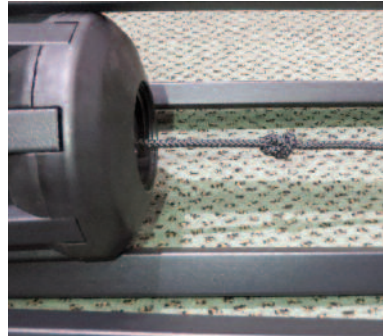
Set aside cap and 2 screws.



Guide rod though lower hub.



When rod is visible, continue to pull out rod until cord is all the way through.



Tie a figure 8 knot approx. 2" from lower hub.



Cut excess cord.

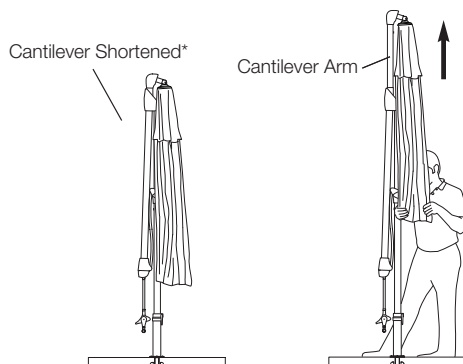


Locate light adapter cap and 2 screws.



Reattach light adapter cap and secure with 2 screws.

**REPLACEMENT COMPLETE. TEST TO ENSURE PROPER FUNCTION.**



Lift AG19 and carefully place back onto cross bar stand. Hold the canopy closed and slowly lift cantilever upwards until arm is fully extended and spring locks into place. Screw the crank handle clockwise into the crank case.

**IMPORTANT:** (If cantilever arm does not fully extend, cord may be coiled too tightly). Two persons are needed for the following action. While the first person slowly lifts the cantilever up, the second person turns the crank handle counter-clockwise, releasing more cord to allow the cantilever arm to raise until spring locks into place.

