

AKZ Tilt Lever Replacement Instruction

Last Update: 04/07/08

Review complete instruction before replacement, **Do Not** attempt job if you do not fully understand this instruction!!



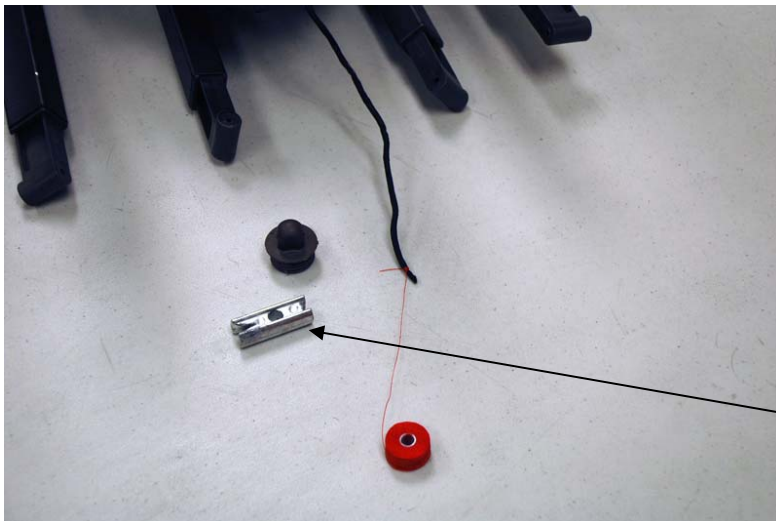
1. Lay AKZ frame flat on table or work bench, be careful not to scratch the frame.

2. Remove knob at bottom of lower hub, separate cord lock from cord.

3. For frame with light adaptor, please refer to last page for disassemble details.

Broken tilt lever

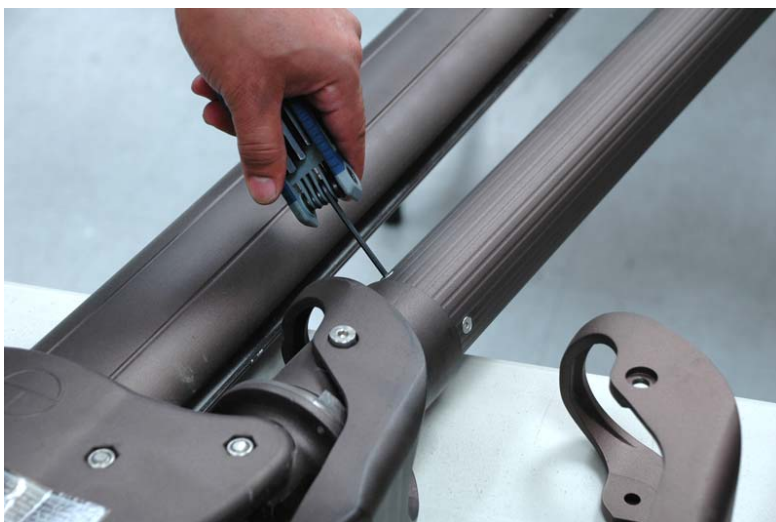
New part



4. Tie a strong and thin string (commercial grade nylon sewing thread or monofilament fishing line) to the end of umbrella cord.

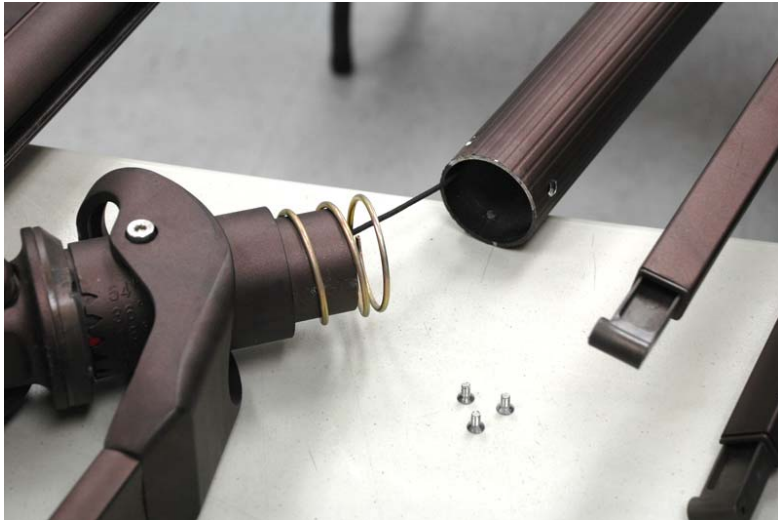
*** It's very important to use strong string and secure knot, the string will have to be able to pull the cord thru Arm Pole; Top Notch; and Lower Hub.

cord lock

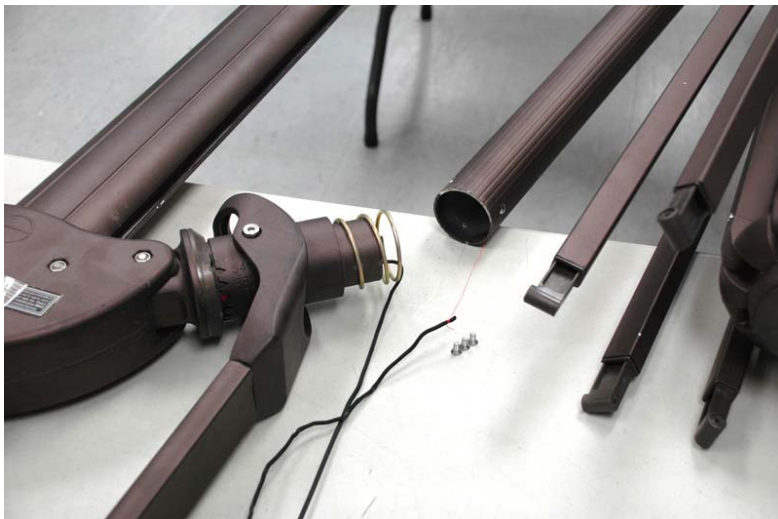


5. Remove 3 screws located near bottom of Arm Pole, safe keeping screws for re-Assembly use.

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6. Separate Arm Pole from Tilt Assembly by gently pulling it apart.



7. Pull umbrella cord thru until attached string is all-the-way thru.



8. Cut the string and secure the string end to avoid slipping back into Arm Pole.

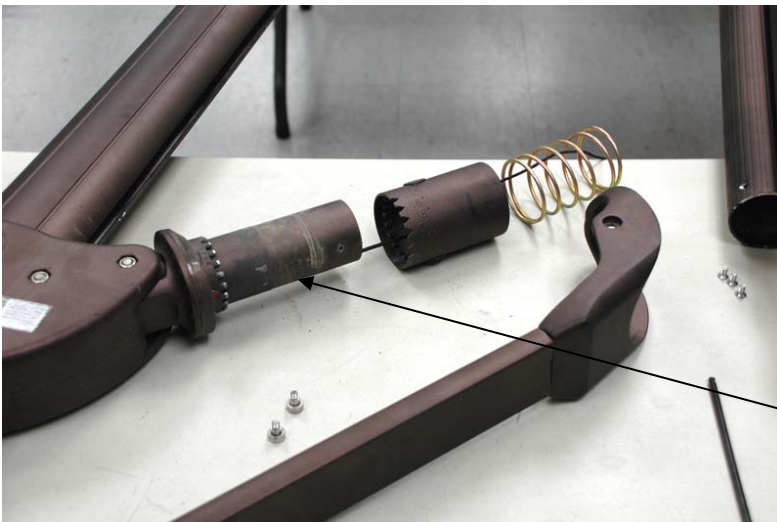
******* You will have to re-attach in order to pull the whole cord back thru to lower hub, therefore leave yourself enough slack.

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9. Remove 2 bolts that secure the tilt lever, 1 per each side.

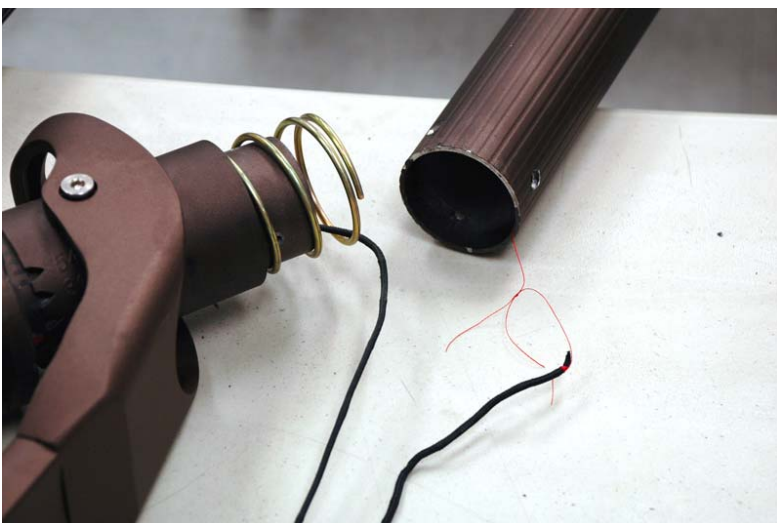
*** 2 Bolts, 2nd bolt located on opposite side



10. Replace broken tilt lever with new part, be sure to thread umbrella cord thru new part before secure with 2 bolts.

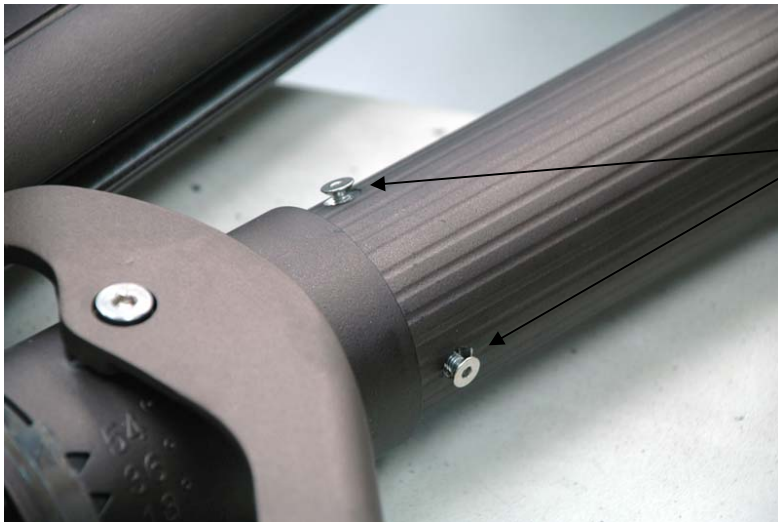
*** Before re-assemble tilt lever, it's good practice to separate spring and indicator sleeve for cleaning of sand or debris which may have collected.

Suggested cleaning area



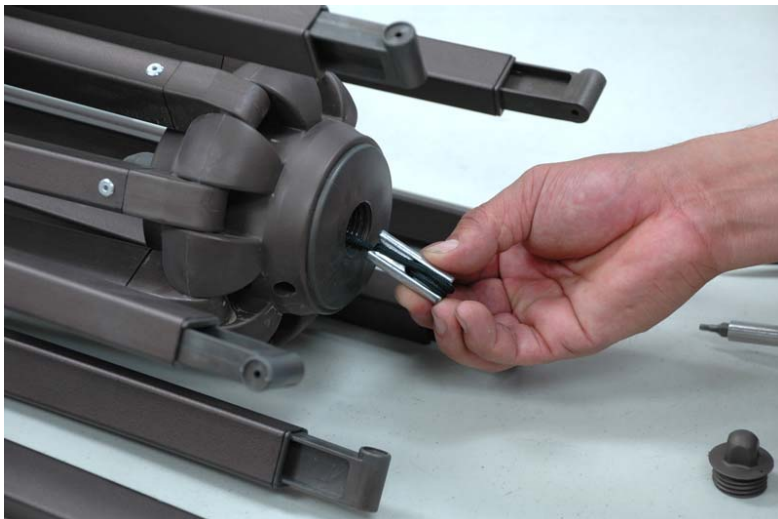
11. Re-attach string with strong knot, carefully pull umbrella cord thru Arm Pole; Top Notch; and Lower Hub.

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12. Re-assemble Arm Pole back onto tilt assembly with 3 screws.

*** Hand thread all 3 screws before tighten with tool.



*** Accurate cord length/tension is crucial to ensure proper open/close operation of the umbrella, please carefully follow procedure to ensure correct cord tension when re-assembled.

13. Insert and loop cord onto cord lock, with umbrella frame CLOSED, cord lock should be just outside of lower hub (as illustrated on photo).



14. While opening the canopy frame with hand, rotate (tighten) the cord lock another 1/2 turn and insert into cavity at lower hub.

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15. If step #13 & #14 are properly done, cord lock should be just inside of lower hub (as illustrated on photo).



16. Re-assemble plastic knob, and you are finished.



******* Check for proper tighten of all screw and bolts.

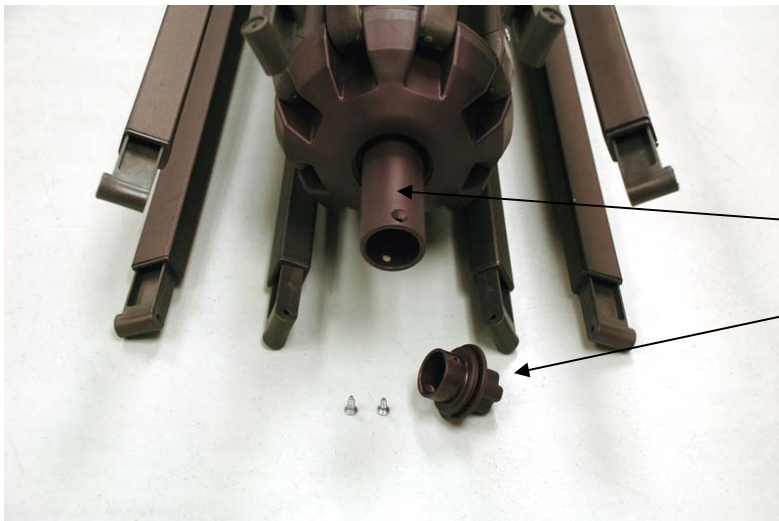
******* Setup umbrella, test umbrella for smooth and effortless open/close/tilt operation.

AKZ Lower Hub Disassemble Detail - With Light Adaptor

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A. Un-screw knob, pull umbrella light adaptor outward.

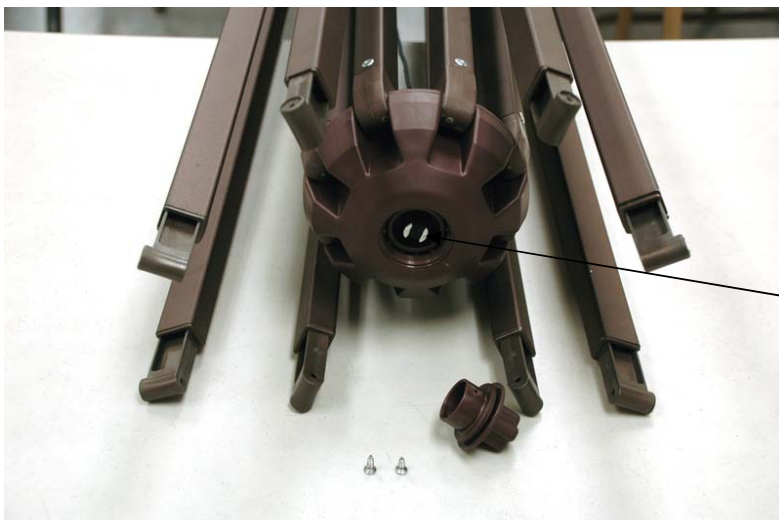


B. Remove 2 screws located opposite side of light adaptor sleeve.

C. Separate knob from adaptor sleeve.

Sleeve

Knob



D. Push sleeve back into lower hub to expose cord lock assembly.

Cord lock assembly