

HOW TO REPLACE AKZ CRANK SIDE CORD

Note: Read these instructions completely before attempting replacement. This replacement must be completed with the cantilever removed from the base.

DISCLAIMER: You will need to determine which version frame you own (Step 2) before proceeding.

STEP 1 Disassemble Main Frame Cap and Crank Housing

Remove the AKZ from the rotating hub by unscrewing the main frame bolts at the bottom of the main frame stand. Lift the AKZ frame off the rotating hub and place on a soft flat surface.



Using hex wrench, remove the bolts from the main frame cap using a hex wrench for the small bolts and large bolt and nut.



Carefully remove the main frame cap.



Remove the bolts holding the crank housing in place.



Using the hex wrench, remove the bolts from the crank system.

STEP 2 Identify AKZ Version

The main frame bar should now be slightly dislodged, the bolt holding it in place.

Version A



NOTE: Check inside main frame. If your main frame has a bar like the picture to the left, proceed to Step 3 below.

Required tools: Hex wrench,
Hammer

Version B



NOTE: If main frame stand has 2 rivets as shown to the left, proceed to Step 7.

STEP 3 Remove Crank System



Remove the main frame bar by reinserting one of the bolts and carefully hammering it.



Unscrew the bolt and remove the main frame bar.



Remove the crank system from the main frame stand.



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STEP 4 Remove Crank Housing and Crank System



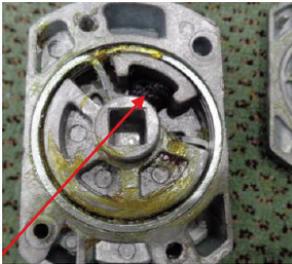
Use hex wrench to remove bolts from crank system.



Separate both halves of the crank system.



Carefully remove the broken cord from the crank system.



Insert the new cord through the back of the crank system and tie a knot.

Use the bolts to reassemble both halves of the crank system.



Reinsert the assembled crank system into the main frame stand with its bolt holes facing up.



Align it with the holes in the main frame stand.

Reinsert the bolts to tighten the crank system back into place.

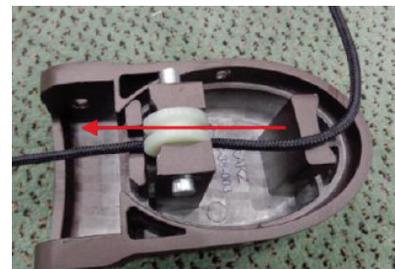
STEP 5 Reassemble Crank Housing, Main Frame Cap and Bar



Bolt crank housing back onto main frame below main frame grip.



If you had a rivet version, skip this step. If you have had a bar version, reinsert main frame bar into main frame. Use hammer if necessary.



Reassemble pulley. Then guide new crank cord through as shown above.



Carefully place the main frame cap onto the main frame, being certain not to dislodge the pulley.



Before putting bolts through the main frame cap, check to make sure the pulley, cord, and main frame cap are seated correctly on the main frame stand as shown above.



Reattach the main frame cap to the main frame stand using the hex wrench and bolts.



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Reattach the support beam to the main frame cap and slide in the bolt to hold it in place.

Screw the nut onto the bolt.



Tighten the bolt to affix the support beam to the main frame cap.

Lift AKZ and carefully place back onto rotating hub, making certain the crank cord does not slip back inside the main frame.

Reinsert and tighten the main frame bolts to affix the main frame stand to the rotating hub.

STEP 6 Disassemble Main Frame Grip

NOTE: When disassembling the main frame grip, it is important to remove only the nuts. Leave the bolts in the main frame grip. This will prevent the pulleys inside from falling out.



Push canopy support beam out to disengage.

Disassemble the main frame grip by loosening each of its 4 bolts, starting with the center bolt. Remove the center bolt's nut, but leave the bolt.

Repeat the process on the 2 bolts on the main frame grip's handle.

Repeat again on the bolt at the front of the main frame grip.



Before removing the handle side of the main frame grip, make certain all bolts are still in place.

Carefully remove the handle side of the main frame grip, using one hand to steady the other half and the other to hold the bolts in place.



Remove the cord blocker. Untie the knot in the cord and remove the cord from the cord blocker.

Thread the new cord through the cord blocker and tie a small, firm knot at the end of the cord.

Replace the cord blocker back into its appropriate slot.

Carefully replace the main frame grip. Use the nuts to affix both halves together.

REPLACEMENT COMPLETE. TEST TO ENSURE PROPER FUNCTION.



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HOW TO REPLACE AKZ CRANK SIDE CORD

Required items: Crank system with cord or cord only, tape, drill, long bolt (3 3/4" long) and long stick (optional)

STEP 7 Remove Loop Lock Stopper and Rivet Behind Loop Lock Stopper



Loop lock must be disengaged from Loop Lock Stopper. Remove Loop Lock Stopper from frame.



Use a drill to remove the rivet that was behind the Loop Lock Stopper.

STEP 8 Remove Crank System

Bring crank system out of the frame by tipping the frame so that it will slide down and out of the frame. You may need to use a long stick to push down on the crank system from the top of the frame.

STEP 9 Insert New Crank System With Cord Already Attached Into The Frame



Method A:

Lay frame flat on soft surface and feed the new crank system with cord through the bottom of the frame by pushing the cord with your hands. You can stiffen the cord as you feed it by running your fingers along the cord.

Method B:

Using a long stick (must be the length of the frame), place the stick in the frame. Tape the end of the new cord to the stick and pull stick out from top of the frame. Remove tape once in position.

STEP 10 Attach New Cord to Old Crank System



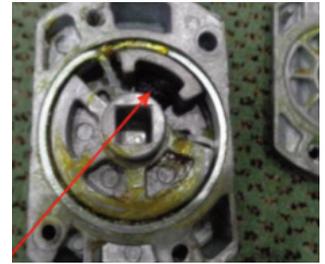
Use hex wrench to remove bolts from crank system.



Separate both halves of the crank system.



Carefully remove the broken cord from crank system.



Insert new cord through back of crank system and tie a knot. Use bolts to reassemble both halves. Return to Step 10.

STEP 11 Line Up Crank System



Pull on the cord from the top to bring the crank system into the frame. Match the holes by slowly pulling it up so you do not pass the holes. Holes on crank system should be facing upwards.

Reinsert the bolts to tighten the crank system back into place.

STEP 12 Drill New Hole for Loop Lock Stopper



Measure where the center of the bottom hole is on the front side (this is where you drilled out the rivet in Step 8).



Take measurement from left and measure the same length on the opposite side of the frame and drill a hole at this location. Drill the hole side according to the width of the bolt you purchased.

STEP 13 Attach Loop Lock Stopper



Attach the Loop Lock Stopper into the frame.



Place a 3-3/4" long bolt through the Loop Lock Stopper and hole on the opposite side of the frame. Secure with a washer and nut.

CONTINUE YOUR REPAIR, STARTING AT STEP 5.



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