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## Office chair cylinder rebuild

Replacing a dead lift cylinder in a good office chair makes it work like new.



I bought eight of these arm-less office chairs at the flea market. They are sometimes called conference room chairs. I think I paid something like 10 or 15 dollars each. They have worked fine for many years. This year, one of them developed a dead lift cylinder.

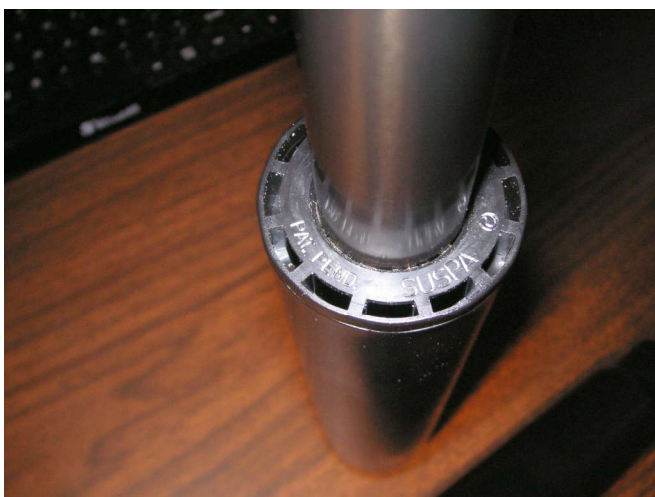
The original cylinder was marked "Suspa," but it looks like now they make hood lift gas cylinders, leaving the chair parts to go to China. It was a little tricky to find the right generic replacement cylinder. The chair base has a boss that the cylinder needs to clear.



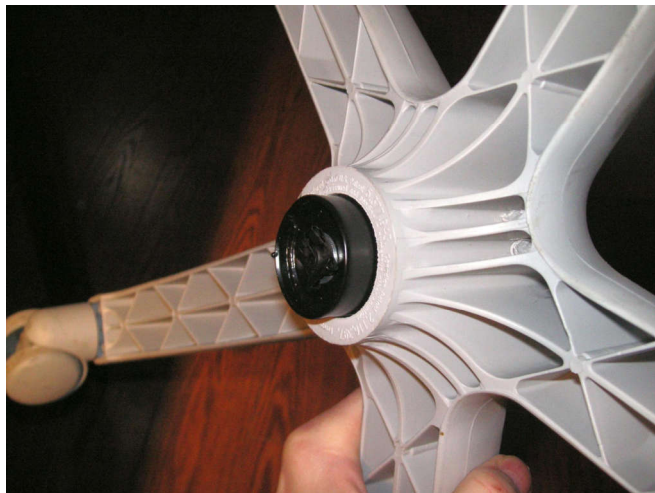
A rubber mallet got the dead cylinder out of the base. The cylinder must clear that bottom boss.



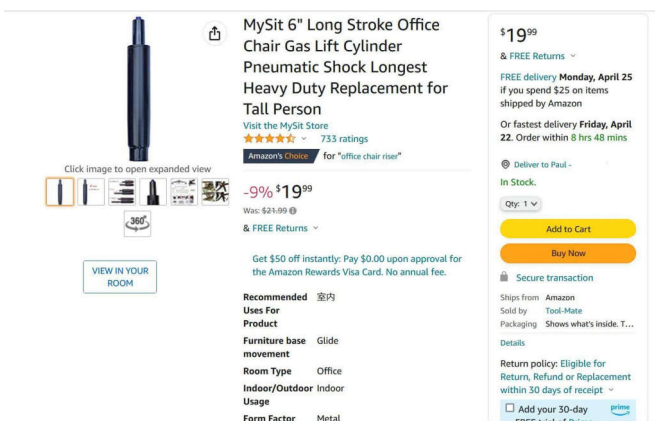
The new cylinder (bottom) is a bit longer, but the it is the base that is important.



Here is the SUSPA marking, no luck finding a name-brand replacement. Typical.



The new cylinder protrudes out the base since it can seat fully into the chair base.



Amazon to the rescue. This long cylinder has the longer reduced diameter at the bottom to clear that boss in the chair base.. This lets the cylinder seat fully into the chair base.



The new cylinder is a bit taller, but works fine.



I recorded as much stuff from the chair as I could. This says "1.750 UPRIGHT"



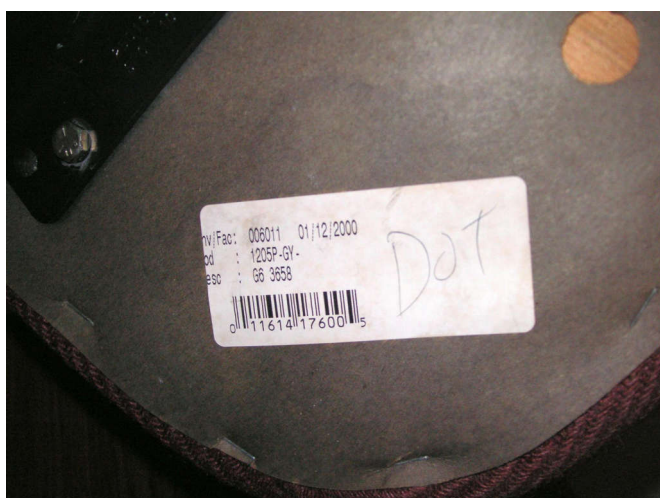
This stamp says, "PATENT 5630266".



This looks to be, "2501001990 SP01 10 99".



This says "FRONT," with some type of logo or symbol above it.



This says, 00011, 01/12/2000, G6 3658  
UPC is 11614 17600.



I used anti-seize on the threads so the chair will come apart easier the next time.



I had to remove the tilt plate in order to pound out the old cylinder. Four bolts made it easy.



I marked "new cylinder" on a tag on the bottom to track just how long this one lasts.



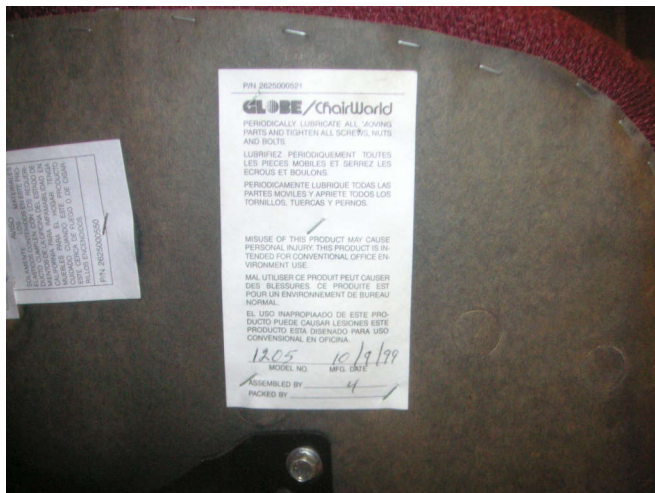
Now you can slip in the back of chair and secure it with the knob..



The accordion cover makes the chair look more substantial. The lever engages the gas release button on the new cylinder perfectly.



The accordion cover pops over the lift cylinder and the chair is ready for reassembly.



Another of the chairs says, Globe/Chairworld



I have the eight chairs scattered across the house. This one works well in the kitchen office nook.



Like a lot of older things, these chairs seem better built than the new stuff from Amazon or the big box office stores. I hope the replacement cylinder holds up. Meanwhile, I bought an extra cylinder for the next chair failure.