Movotec® Tube Shortening Instructions

(For Crank and E-Drive Motorized Lift Systems)

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1.0 Safety Instructions

This document contains safety information for shortening the flexible tubing of a Movotec[®] Crank and/or E-Drive Motorized Lift System. Suspa[®] Incorporated is not responsible for any alteration or deviation from these instructions resulting in property damage, personal injury or death.



FAILURE TO FOLLOW THE INSTRUCTIONS IN THIS DOCUMENT COULD RESULT IN FIRE, PROPERTY DAMAGE, ELECTRIC SHOCK, PERSONAL INJURY OR DEATH.

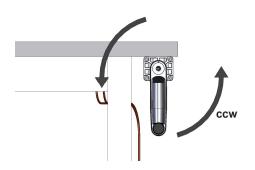
READ ALL INSTRUCTIONS BEFORE ATTEMPTING TO SHORTEN TUBING.

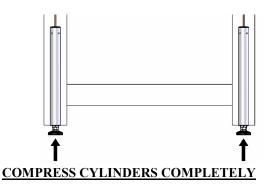
2.0 System Preparation

Depending upon whether the Movotec[®] Lift System is crank driven or motorized, the system preparation instructions will vary. If shortening the tubing on a crank driven system, refer to section **2.1** <u>Crank Driven System Preparation</u>. For a motorized system, refer to section **2.2** <u>Motorized System Preparation</u>.

2.1 Crank Driven System Preparation

Lower the system by rotating the crank handle counter-clockwise. Continue rotating crank until all lift cylinders have reached their fully retracted position.

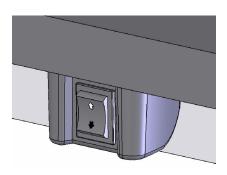


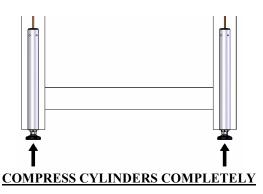




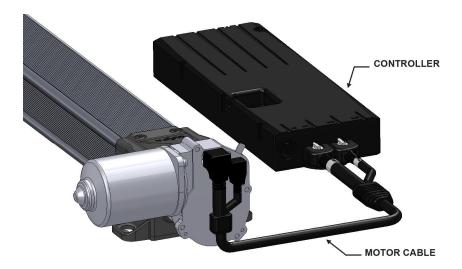
2.2 Motorized System Preparation

Lower system by holding the "down" arrow button on the switch. Continue holding the "down" arrow button until all lift cylinders have reached their fully retracted position. Remove finger from the switch. Then, press and hold the "down" arrow button again. After approximately 5 seconds the system will begin to retract until the "zero" position is reached. The system is now fully retracted.





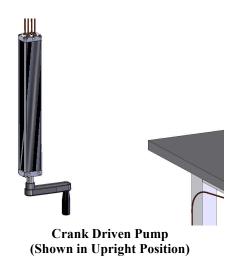
Once the system has reached the "zero" position, unplug power cord from the power outlet. Then disconnect motor cable from controller.





2.3 Pump Preparation

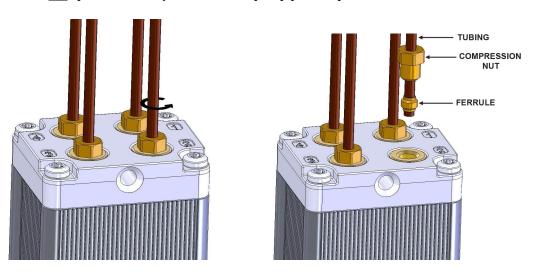
Detach pump from work surface. Orient and secure pump in an upright position to prevent fluid loss while the hydraulic line(s) are disconnected. Be careful not to stretch, kink, or damage the hydraulic tubing and connections.



3.0 Tubing Disconnection

To disconnect tubing from pump, carefully unscrew and remove the compression nut, ferrule, and tubing assembly which corresponds with the flexible tubing line to be shortened.

NOTE: Do not operate the lift system while the pump port is open!

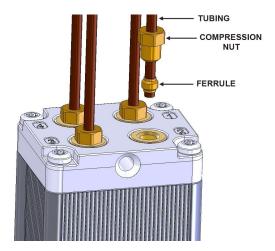


Carefully cut excess tubing, ensuring the end is clean and square. Discard section of cut tubing and ferrule, retaining the compression nut for re-assembly to pump.

NOTE: The longest-to-shortest tubing length ratio must not exceed 5:1.



Slide compression nut and new ferrule onto free end of tubing. Insert free tubing end into pump port. While maintaining a slight downward pressure on tubing, slide compression nut and ferrule down into port. Re-tighten compression nut to 84-88 lbf-in (9.5-10 N-m) torque.



Repeat process as needed until all lines are at their desired length.

4.0 Operation

Once all hydraulic lines have been secured to the pump, re-attach the pump to workstation. Crank driven systems should now be fully operational and ready for normal use.

For motorized systems, re-attach motorized pump to the workstation. Re-connect the motor cable to the controller. Finally, connect power cord to a power receptacle. The controller should make an audible "double-clicking" sound. The motorized system should now be fully operational and ready for normal use.

5.0 Contact Information

If you have any questions, please feel free to contact technical support at:

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