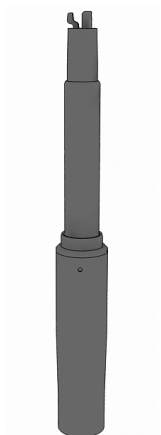




Parts Required:



Side Activated Cylinder



Clip



Pneumatic Cable Assembly

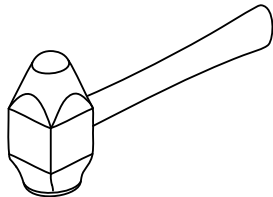


Zip Tie



Knob

Tools Required:



2 lbs Hammer



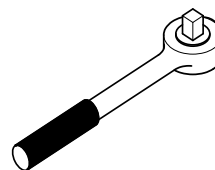
Needlenose Pliers



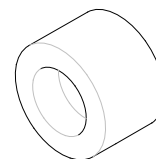
6 mm Hex Bit



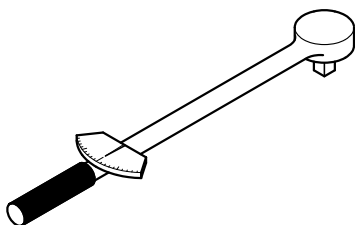
5 mm Hex Bit



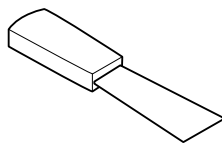
Ratchet



Nylon Cap



Torque Wrench



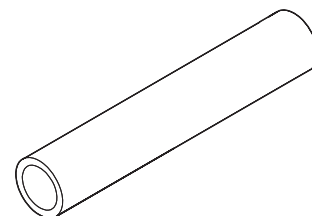
1" Putty Knife



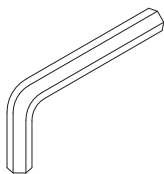
#2Phillips
Screwdriver



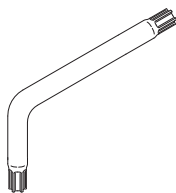
Straight Blade
Screwdriver



Tilt Removal Tool From
Tool Kit No UWC00G



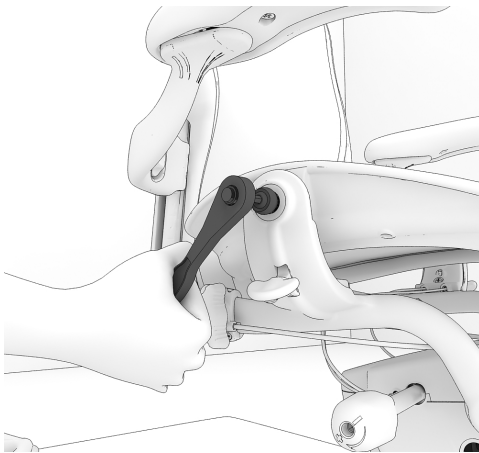
4mm Hex Key



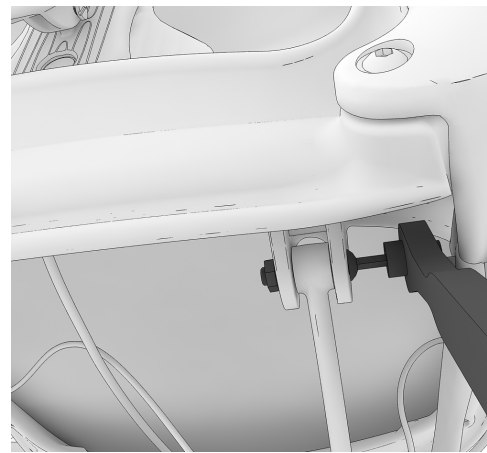
T27 Torx key

Steps:

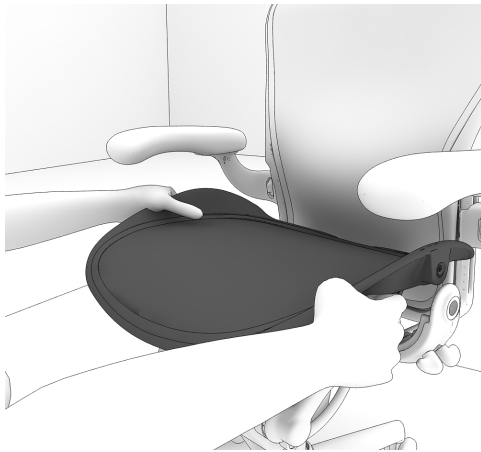
Note: To help minimize risk of damaging pneumatic cylinder internal components, set chair height to it's lowest setting before beginning service procedure.



1. Using ratchet and 6MM hex bit, remove hip pivot busing assembly from swing arm. If threaded insert turns with hip pivot screw, STOP immediately and do the following step: Tighten hip pivot screw into threaded insert as much as possible. Using a quick jerking snapping motion with ratchet wrench back out hip pivot screw from threaded insert. If threaded insert turns with hip pivot screw, repeat process. Remove hip bolt.

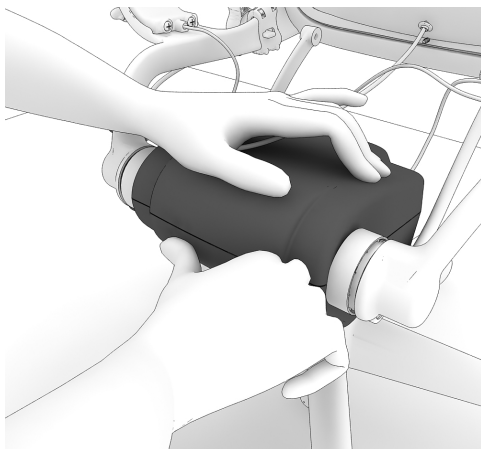


2. Using 10mm socket, ratchet wrench and 4mm hex key or T27 torx key to remove nut and screw attaching seat links to seat frame.

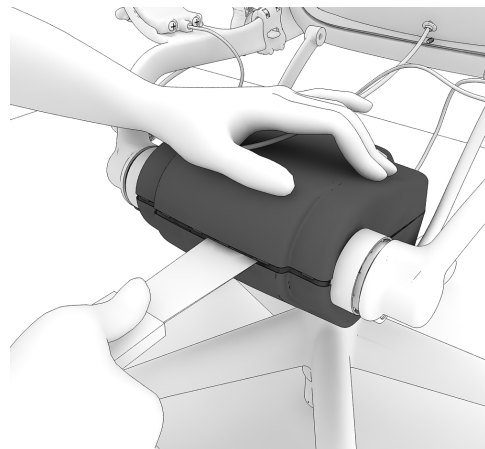


3. Remove seat frame with B-Links and set aside.

(For chairs manufactured prior to 12/2006 use steps 4a and 4b to remove tilt cover. Skip to step 6 when complete.)

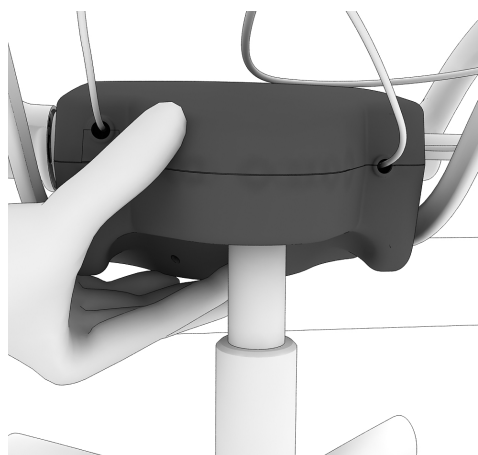


4a. Using thumb pressure, press front of bottom tilt cover to start separation of tilt covers.

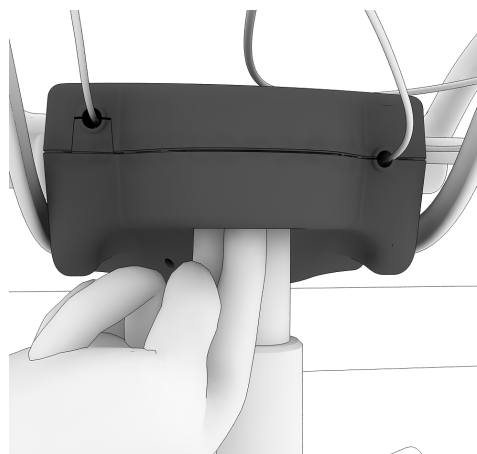


4b. Insert 1" putty knife between covers and twist to separate top from bottom cover. Remove top cover and set aside.

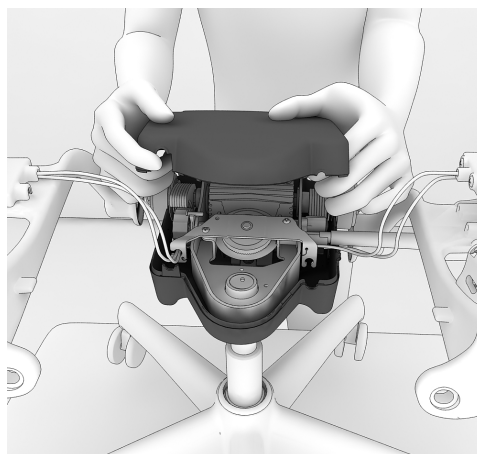
(For chairs manufactured after to 12/2006 use steps 5a through 5c to remove tilt cover.)



5a. On the left side of tilt covers, press in on upper tilt cover with thumb, while holding lower cover with fingers as shown. This will shift upper over and dislodge 2 of 3 internal spring tabs securing covers together. As upper cover shifts and tabs disengage, push upper cover up with thumb to begin separation of covers.

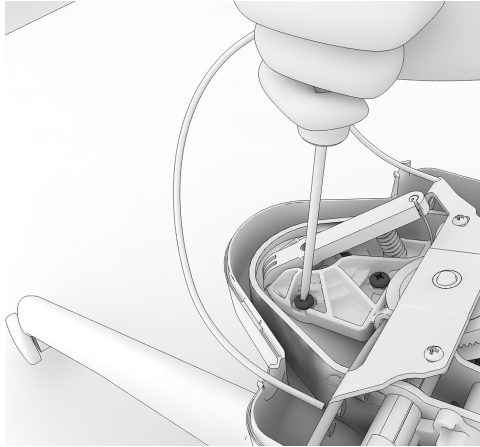


5b. With all internal spring tabs disengaged, rotate upper tilt cover forward to disengage (2) interlocking tabs at front of covers. Remove upper cover and set aside.

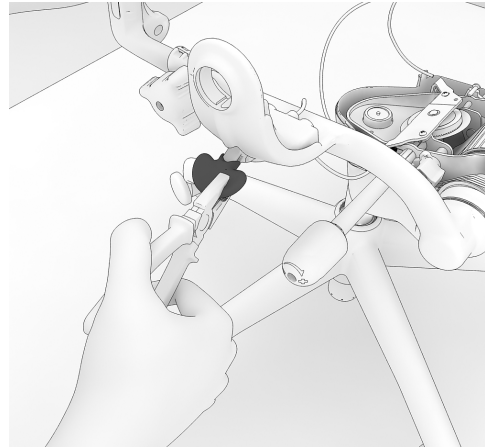


5c. At right side of tilt covers, insert finger(s) behind lower cover, as shown, and disengage third and last spring tab.

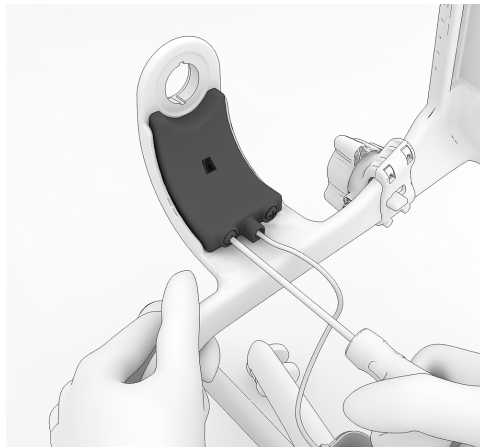
For chairs with top activated cylinders proceed with the following steps. For side activating cylinders skip to step 9b.



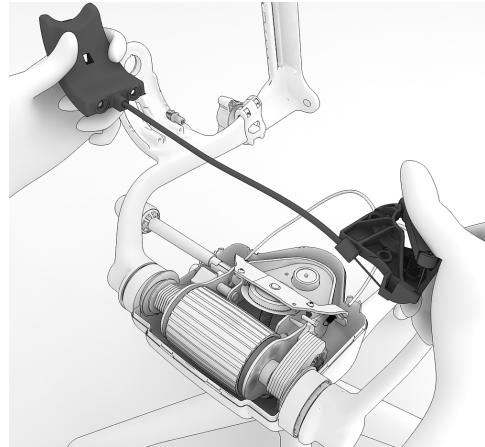
6. Using #2 phillips head screwdriver, remove and discard (2) screws securing pneumatic actuator to tilt.



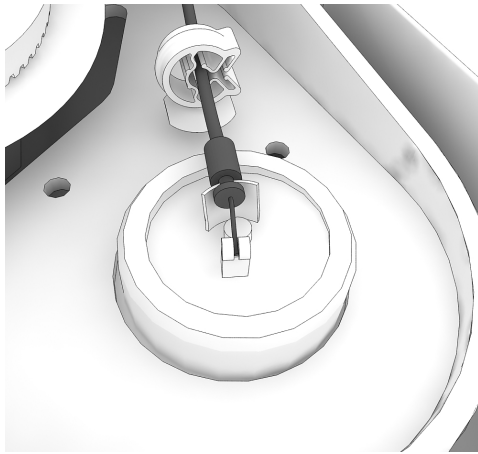
7. Using pliers, pull Pneumatic knob from chair. Properly dispose of pneumatic knob.



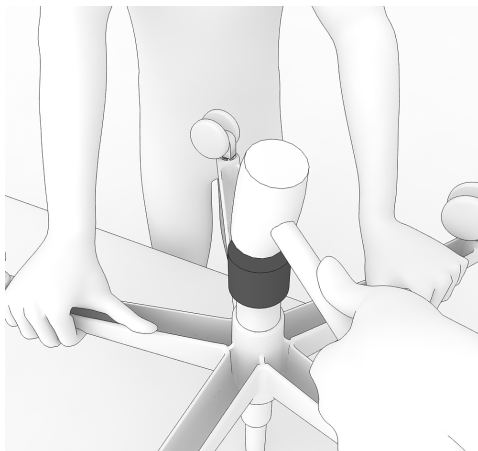
8. Using #2 phillips head screwdriver, remove and discard (2) screws securing pneumatic control end to swing arm.



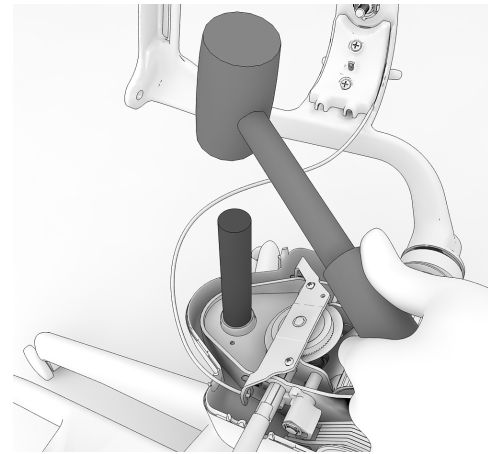
(For top activating cylinders)
9a. Remove pneumatic cable assembly from chair and dispose of properly.



(For side activating cylinders)
9b. Disengage end of Pneumatic cable assembly from top of cylinder.



11. With assistance, support base assembly off floor. Place base removal tool from service tool kit 254502 over pneumatic cylinder canister as shown. Strike base removal tool with 2-lb hammer to remove pneumatic cylinder from base casting. Dispose of pneumatic cylinder properly.



10.1 Place tilt removal tool from kit, onto top of pneumatic cylinder with hole in end of tool over top of cylinder.

10.2 Support stool slightly off floor by swing arm(s) and strike removal tool sharply with a 2-lb hammer until tilt is unseated from end of pneumatic cylinder.

10.3 Set upper portion of chair aside on padded surface.

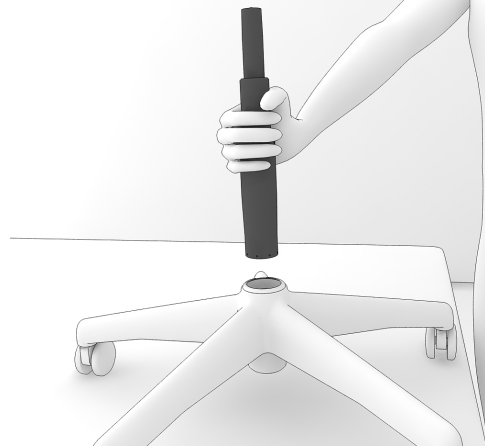
WARNING

Pneumatic cylinder contents are under extreme pressure. DO NOT puncture or incinerate cylinder. Dispose of old cylinders in a safe and proper manner. Follow all replacement instructions for cylinder service. Failure to comply can result in product damage or personal injury.

Reassembly Notes:

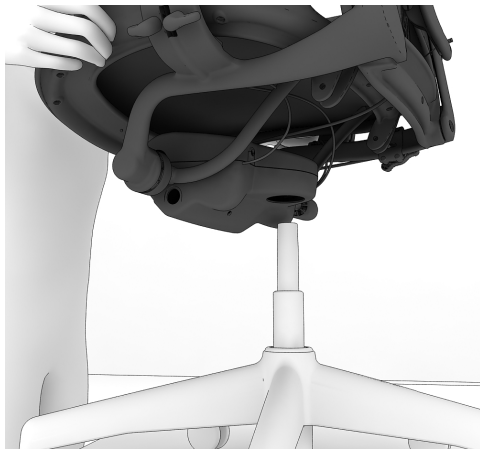
Place base assembly in upright position and install replacement pneumatic cylinder into base assembly.

Note: reseating of pneumatic cylinder to base and tilt assemblies is achieved by sitting in chair after reassembly of chair is complete. DO NOT strike pneumatic cylinder to reseat it to base or tilt.

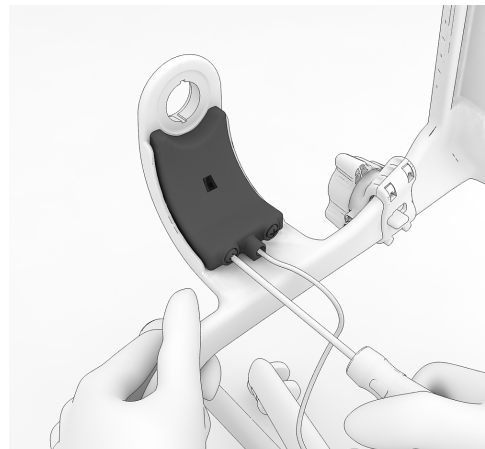


12. Drop the new cylinder into the base.

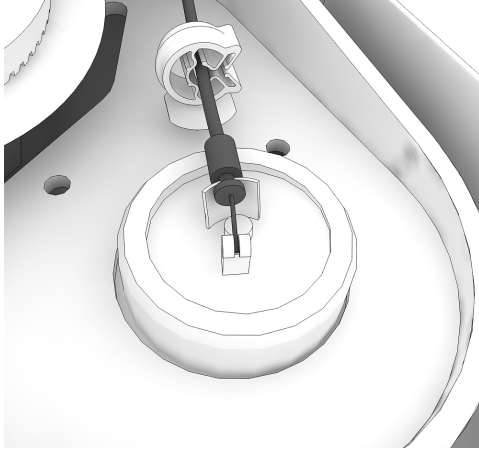
If replacing a top activated pneumatic cable assembly then proceed with steps 14 - 16. Otherwise skip to step 17.



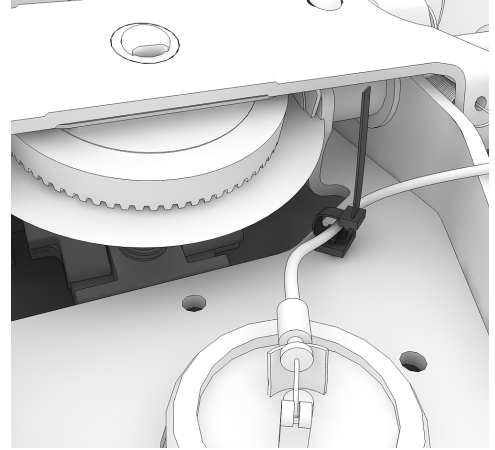
13. Place the chair assembly onto top of cylinder.



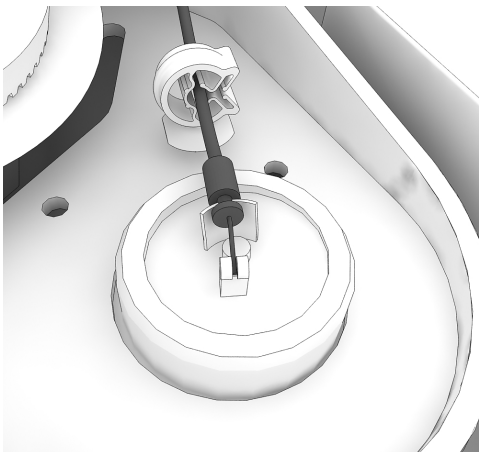
14. Secure new pneumatic cable assembly to swing arm using #2 phillips head screwdriver.



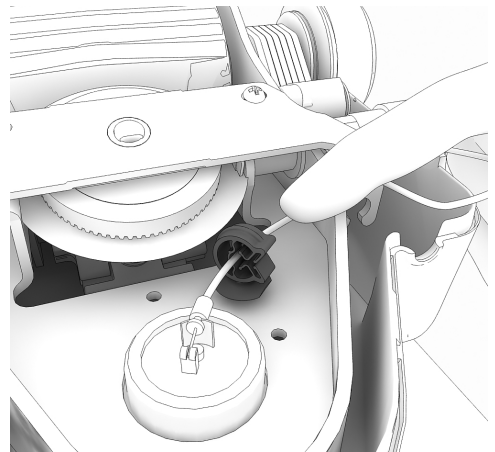
15. Connect cable end of pneumatic cable assembly to top of side activating cylinder as shown.



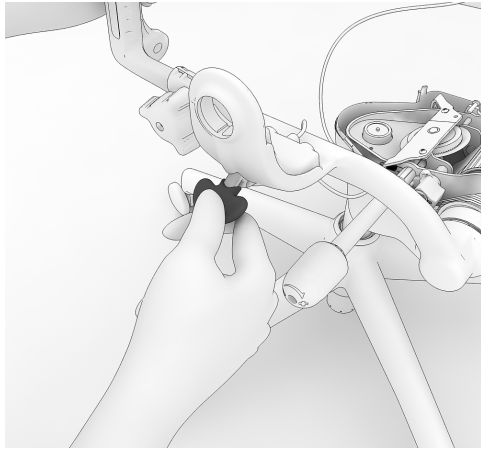
16. Hook zip tie on tilt chassis at position shown above. Close zip tie (leaving room for cable to move freely), and cut excess length.



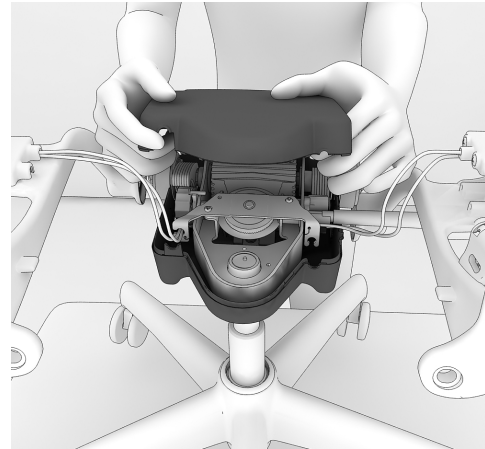
17. Connect cable end of pneumatic cable assembly to top of side activating cylinder as shown.



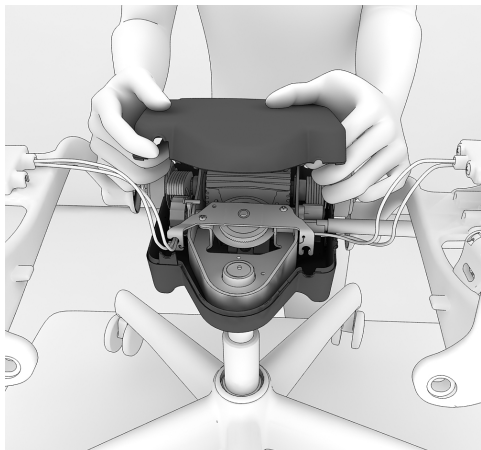
18. Depending on the year of your tilt you may have an existing pneumatic cable clip. If you do a zip tie is not required. Simply make sure the cable is inserted into the clip.



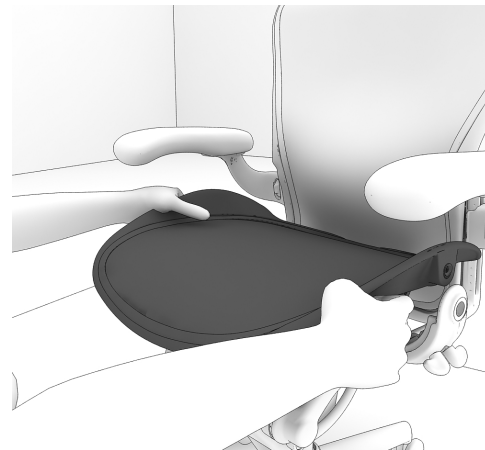
19. Attach the pneumatic knob to the pneumatic control if required.



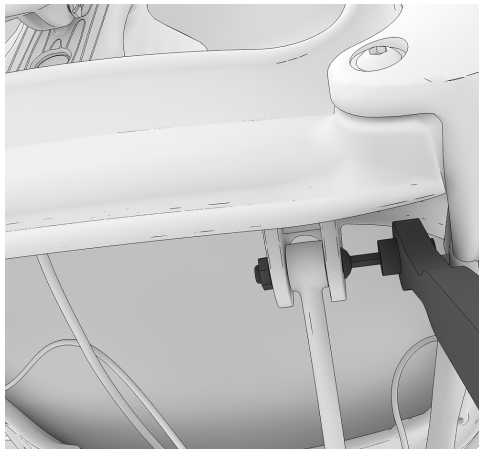
20. Re-attach the top cover.



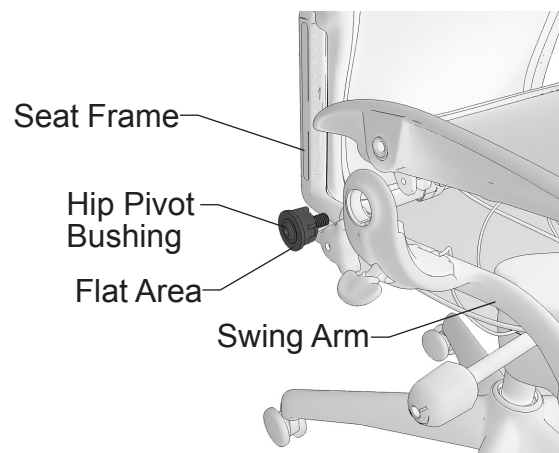
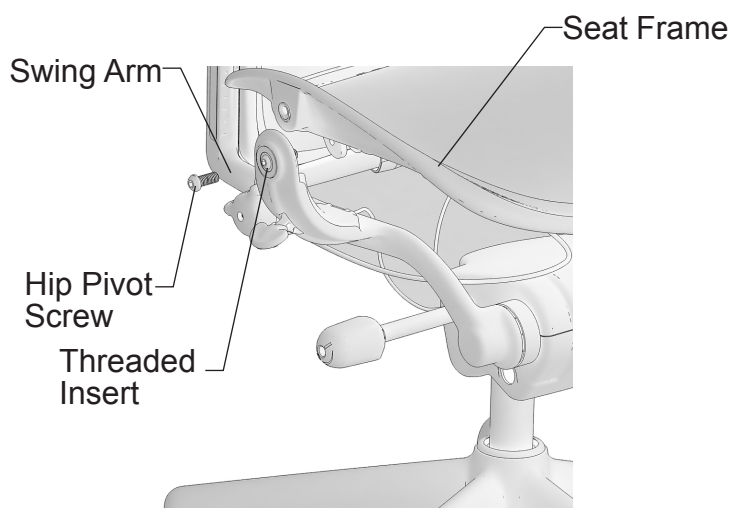
21. With all internal spring tabs disengaged, rotate upper tilt cover forward to disengage (2) interlocking tabs at front of covers. Remove upper cover and set aside.



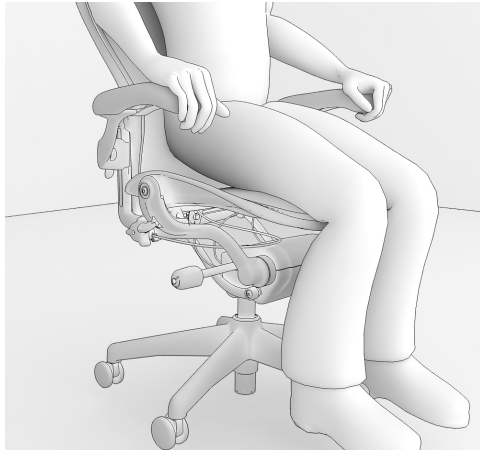
22. Re-attach seat frame.



23. Using 10mm socket, ratchet wrench and 4mm hex key or T27 Torx key to attach nut and screw attaching seat links to seat frame.



24. Place seat frame between swing arms. Attach seat frame to swing arms with hip pivot screws hip pivot bushing. Using a 6mm Hex Bit Torque fastener to 180-200 in/lbs.



25. Sit on chair firmly several times to set cylinder and base.