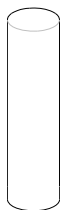


Celle™ Pneumatic Cylinder Replacement

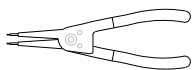
PARTS INCLUDED:



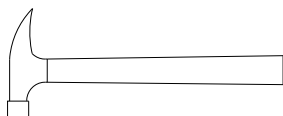
TOOLS REQUIRED:



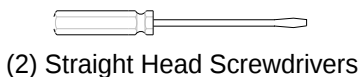
Pneumatic Cylinder
Knockout Tool HMI
part no. UWC00G



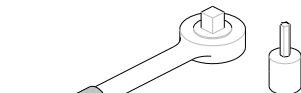
Small Snap Ring Pliers



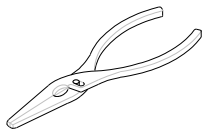
Hammer



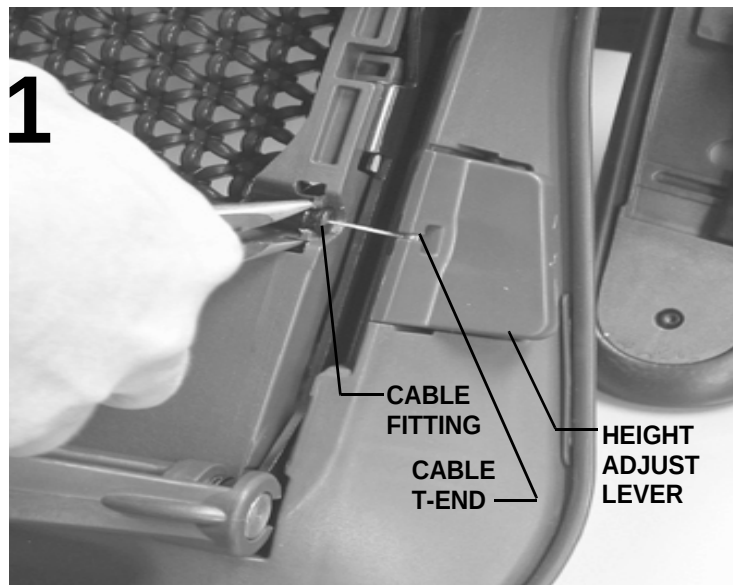
(2) Straight Head Screwdrivers



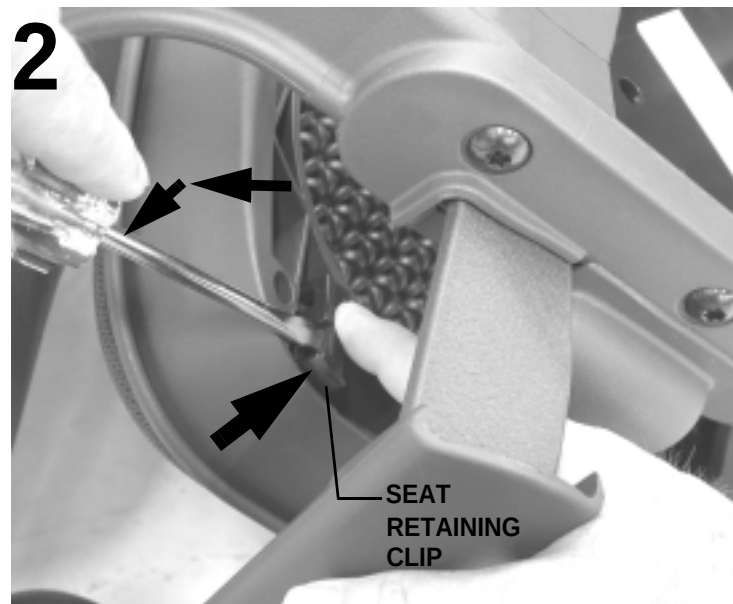
Ratchet with T-40 Torx Bit



Needle Nose Pliers

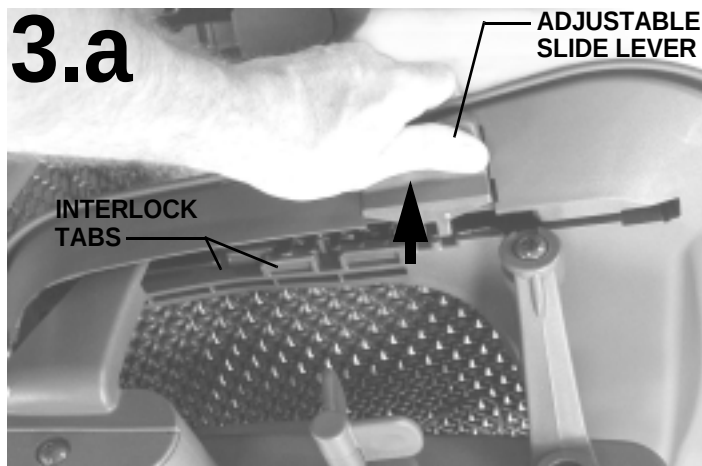


1. Using needle nose pliers, remove height adjust cable from fitting and slide cable T-end from height adjust lever.

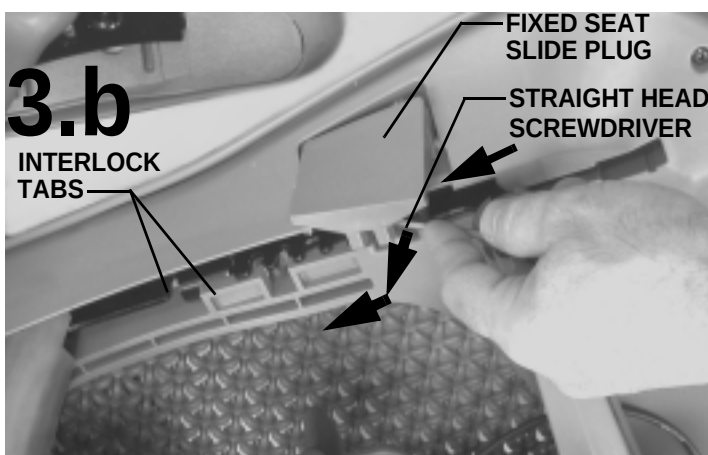


1. Insert straight head screwdriver into slot in (1) seat retaining clip. Pry retaining clip from seat frame and set clip aside.
2. Remove second seat retaining clip from opposite side of seat frame, as described above.
3. Return chair to upright position.

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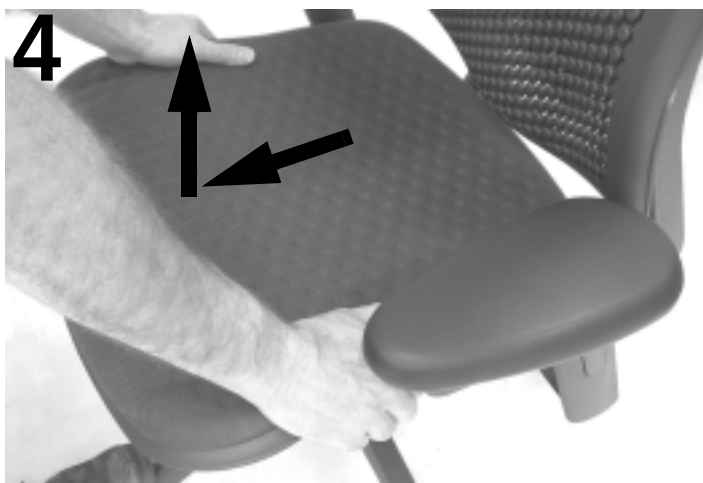


ADJUSTABLE SEAT VIEWED FROM BELOW

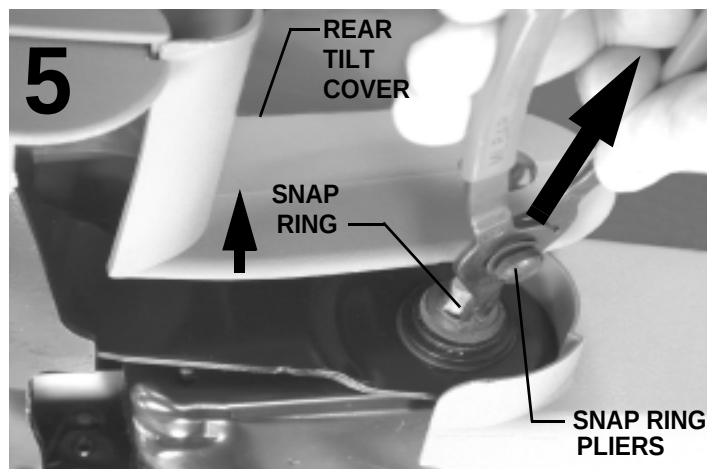


FIXED SEAT VIEWED FROM BELOW

1. Hold down adjustable slide lever on adjustable seat depth chairs or pry under fixed slide plug, as shown.



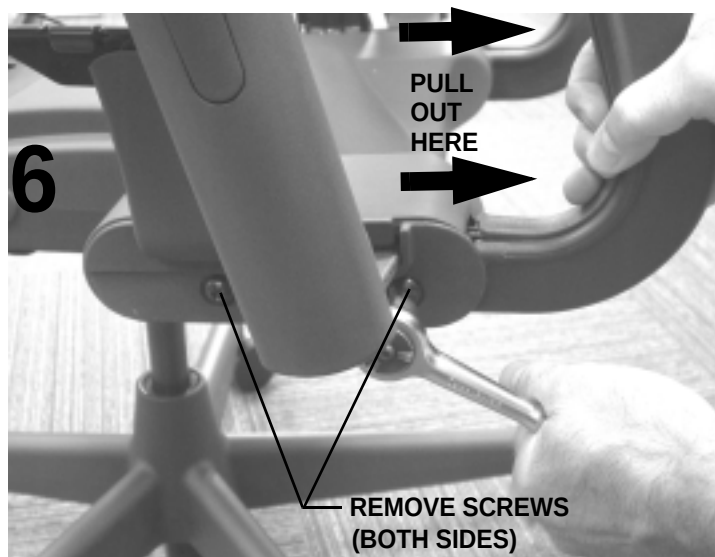
1. Slide seat forward until interlock tabs on seat are fully disengaged from interlock tabs on seat linkage rails, then lift seat off seat linkage rails.



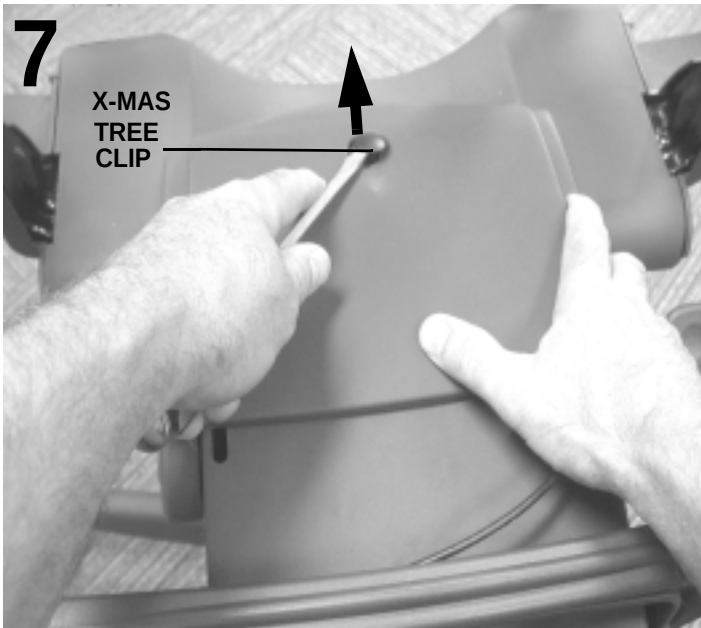
1. On right side of chair, push rear tilt cover up to gain access to snap ring on end of tilt control shaft.

NOTE: chairs manufactured before Dec, 2005 have no washer or foam spacer behind snap ring.

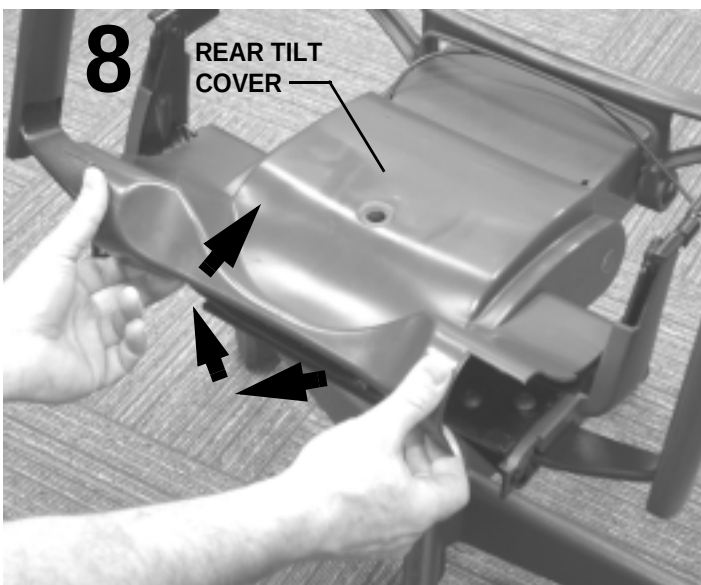
2. Using snap ring pliers, remove snap ring, washer and foam spacer, then remove tilt control shaft.



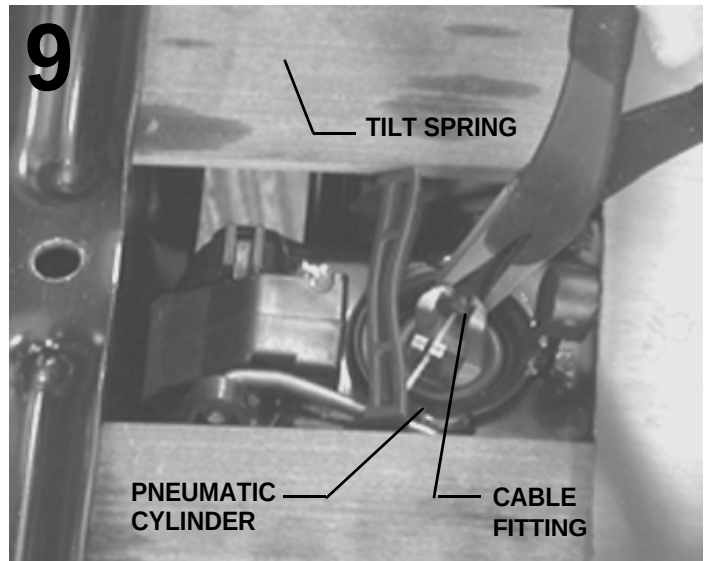
1. Using ratchet and T-40 torx bit, remove and save (2) screws securing (1) back support to tilt housing. repeat for opposite back support.
2. remove back supports, with back attached, from tilt housing by pulling straight out on back supports after removing screws.



1. Using straight head screwdriver, pry up and remove x-mas tree clip, securing rear tilt cover to tilt housing. Dispose of x-mas tree clip properly.



1. On underside of tilt, Grasp edges of rear tilt cover, as shown. Pull flexible cover back and up. slowly lift cover to disengage remaining flexible interlock features and set cover aside.

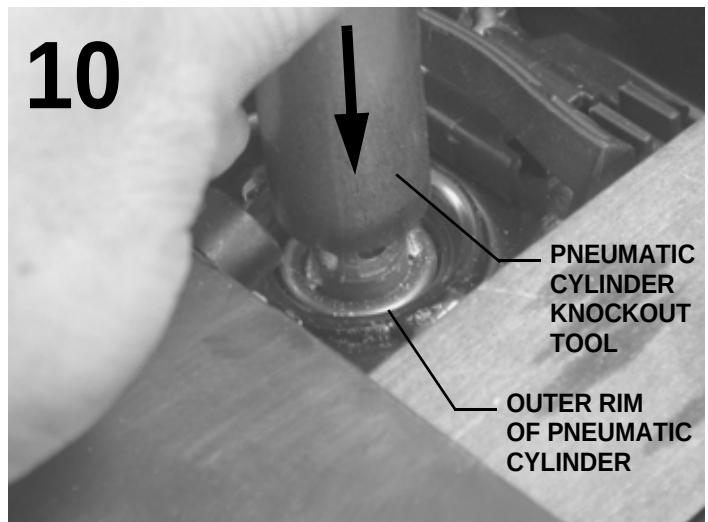


1. Using needle nose pliers remove cable fitting from top of pneumatic cylinder and let hang. (For reference, cable is routed under tilt spring and rests in slot of front tilt cover.

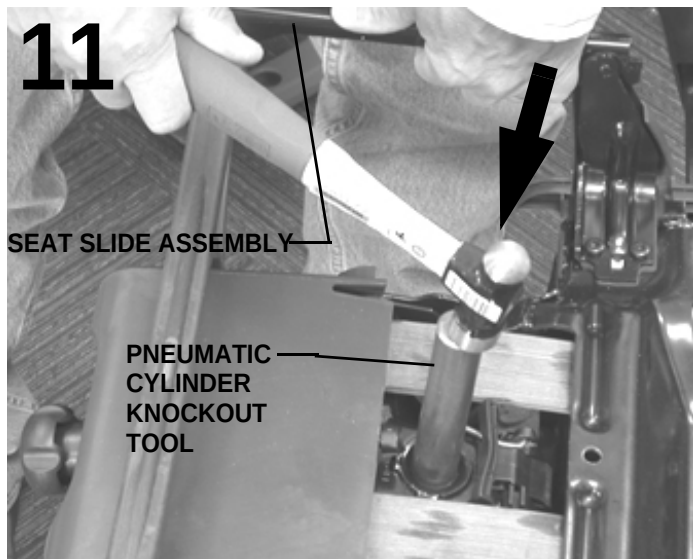


WARNING

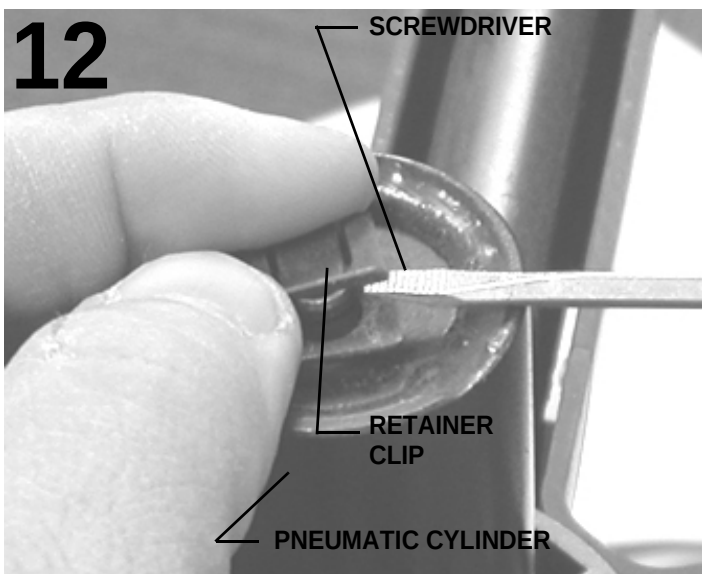
Pneumatic cylinder contents are under extreme pressure. DO NOT puncture or incinerate cylinder. Dispose of old cylinders in a safe and proper manner. Follow all replacement instructions for cylinder service. Failure to comply can result in product damage or personal injury.



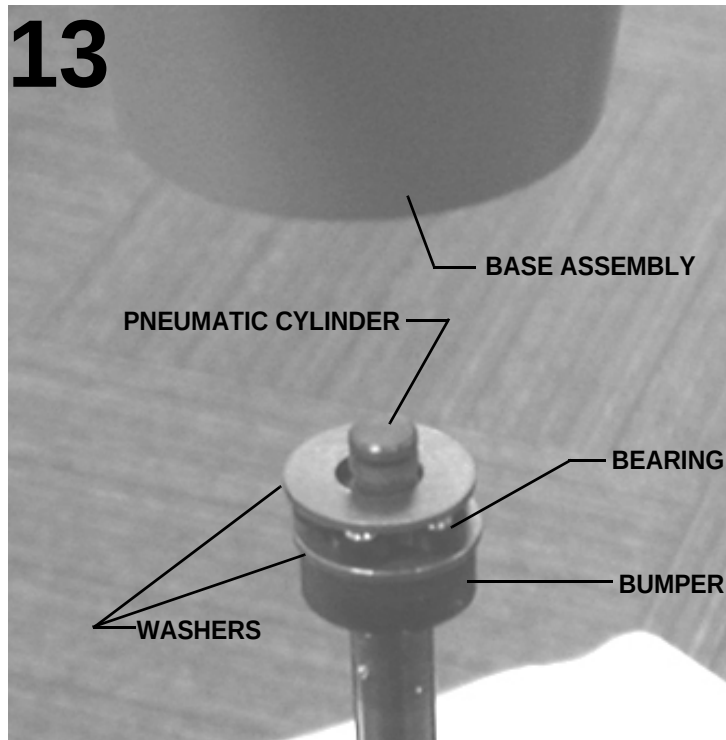
1. Place pneumatic cylinder knock out tool with open end cavity over end of pneumatic cylinder. Bottom of tool should rest on outer rim of pneumatic cylinder.



1. Support entire chair base assembly off floor with assistance of another person and/or by resting underside of tilt assembly on a solid support .
2. use a medium size hammer and pneumatic knock-out tool to separate pneumatic cylinder from tilt assembly. It may take 5-10 hammer strikes to to separate pneumatic cylinder from tilt (depending on weight of hammer).



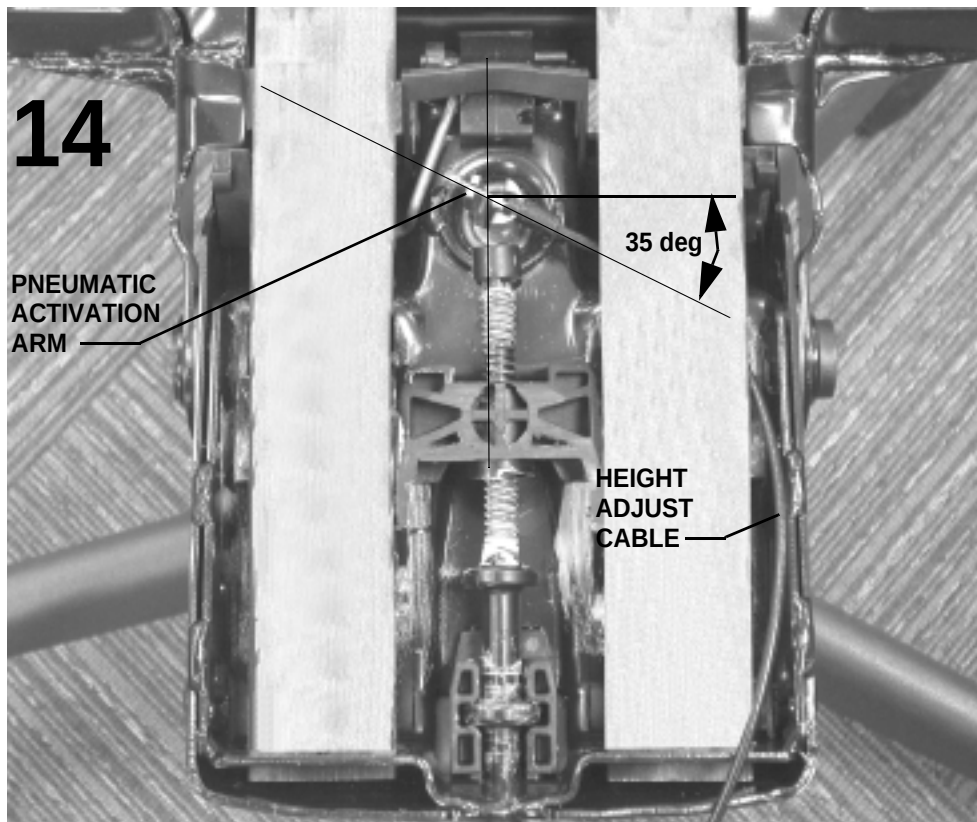
1. With chair base and pneumatic cylinder removed from tilt assembly, invert base and remove retainer clip from bottom of base, with straight head screw-driver



1. Remove pneumatic cylinder from inverted base assembly and dispose of properly.
2. Check proper sequence of components on bottom of replacement pneumatic cylinder and install cylinder into base assembly.
3. Secure pneumatic cylinder to base with retainer clip provided.

1. Set base upright and place tilt onto pneumatic cylinder with pneumatic activation arm at 10:00 position or 35 degrees when viewed from front of tilt.
2. Reinstall height adjust cable to top of pneumatic cylinder and route height adjust cable under left tilt spring, as shown.

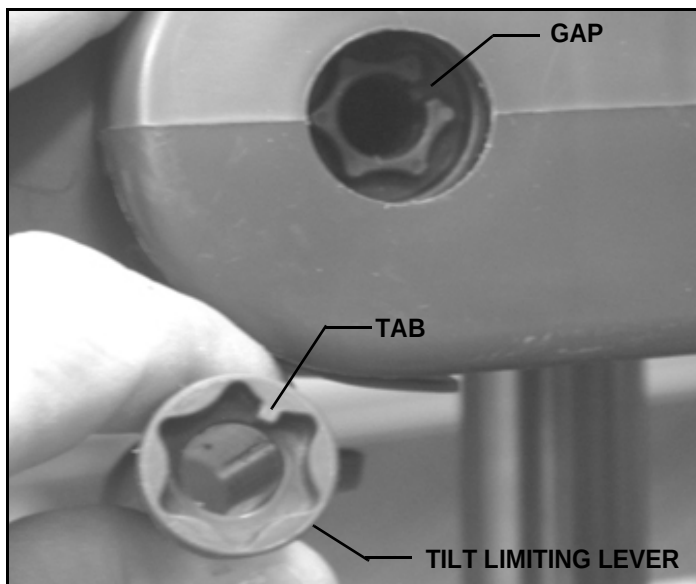
NOTE: After chair is reassembled, sitting in chair will seat the tilt assembly onto the replacement pneumatic cylinder.



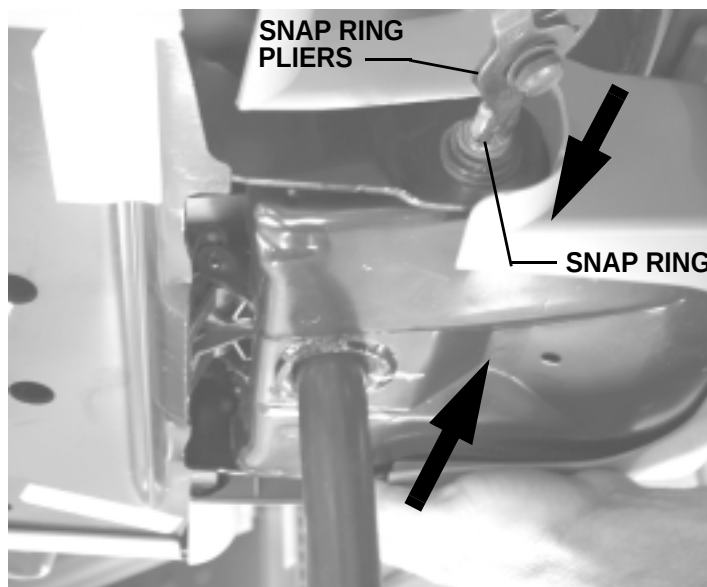
View From Front of Tilt Assembly

Reassembly Notes:

Refer to disassembly figures in reverse order to properly sequence the reassembly of the chair components. Refer to the following figures and instructions for critical assembly information.

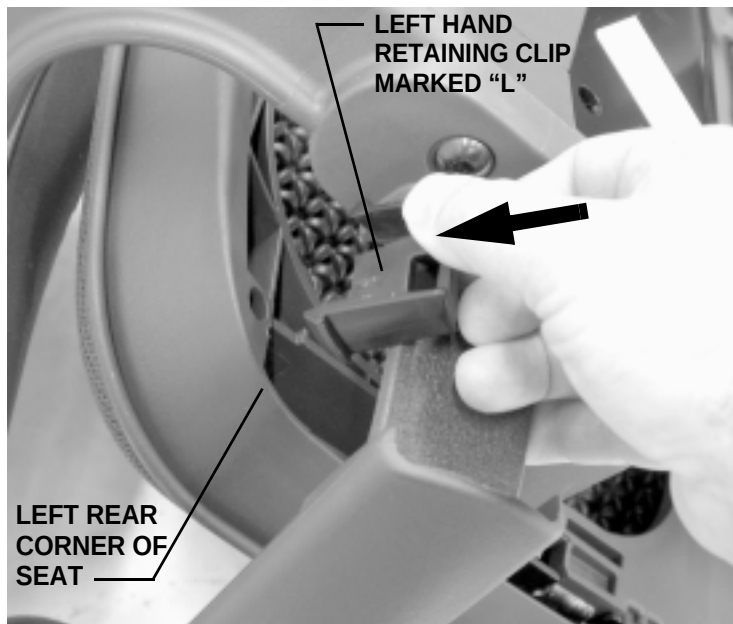


1. When reinstalling tilt limiting lever, make sure to engage tab into gap in the spline interface feature on the mating parts.

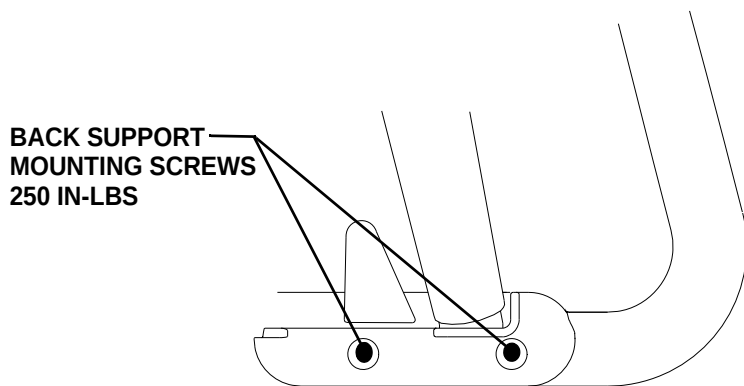


1. Reinstall tilt control shaft, back through tilt assembly, rotating shaft to align flat surface on shaft with flat surface in tilt mechanism lever.

2. Reinstall any foam spacer and washer. Reinstall snap ring to shaft and press snap ring onto shaft until it engages groove at end of tilt control shaft.



1. Reinstall seat onto seat rails, then invert chair again.
2. Reinstall seat retaining clip marked "L" to rear left corner of seat frame as shown, and snap clip flush into seat frame by hand. Repeat for opposite clip marked "R" for rear right hand corner of seat frame.



NOTICE:

Torque noted fasteners to specified values during reassembly. Failure to comply can cause unsafe usage of product resulting in product damage or personal injury.