



Parts Included:

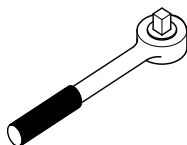


Tilt Assembly

Tools Required:



Small Flat Head
Screw Driver



Ratchet Wrench



T40 Torx Bit



4" T30
Torx Bit



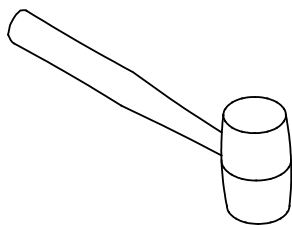
2" T27
Torx Bit



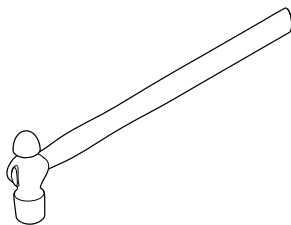
Nylon Cap



Lift-off Tool



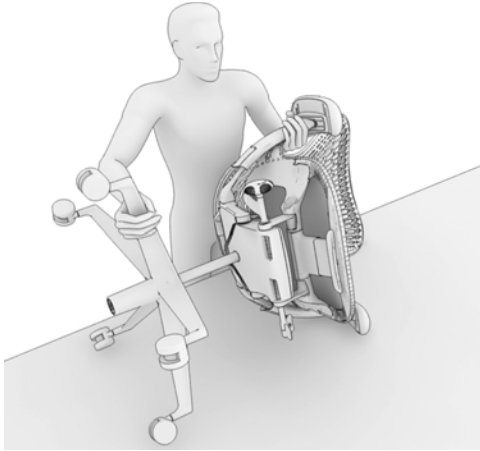
Rubber Mallet



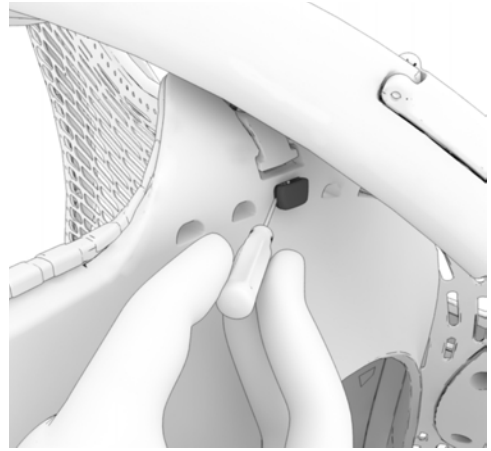
Hammer

Steps:

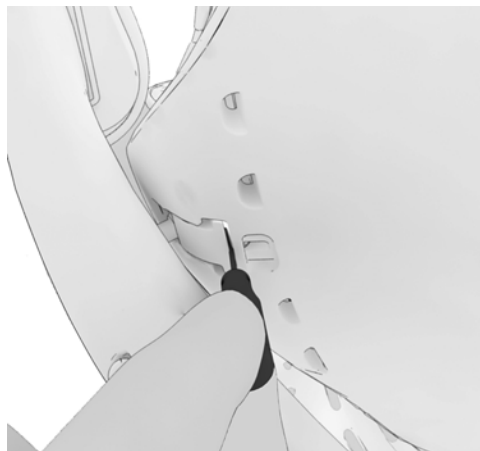
Seat Removal:



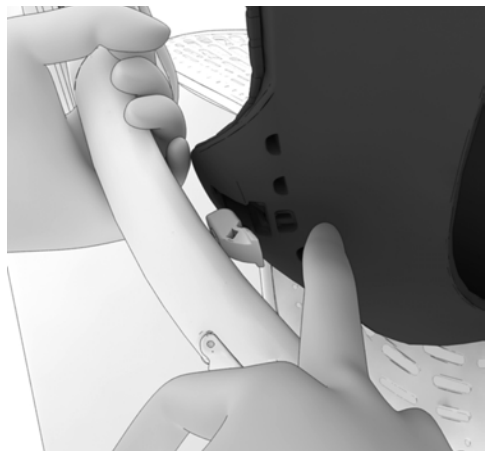
1. Lay chair on its side.



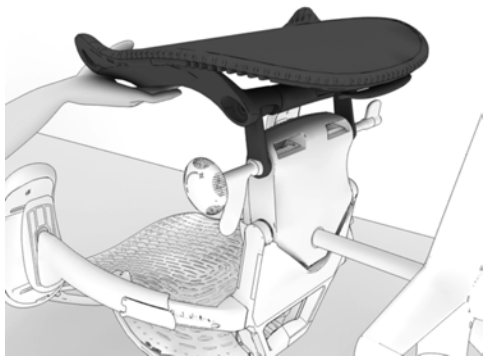
2. Remove the D-Plug from the retainer hole using the small screw driver. Repeat for the opposite side.



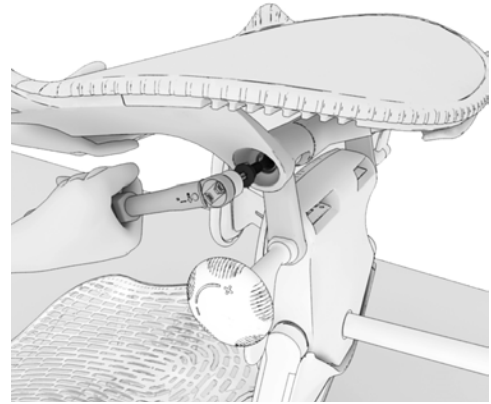
3. Slide the flat head screw driver into the slot and depress the spring clip.



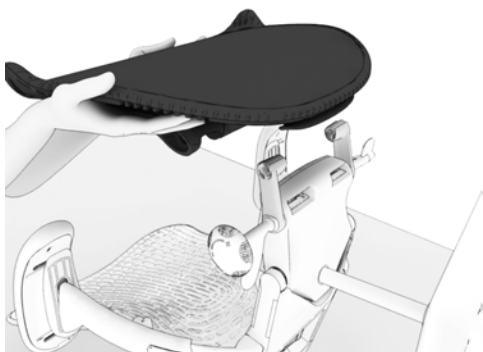
4. Lift upon the seat while depressing the spring clip. Repeat for the opposite side.



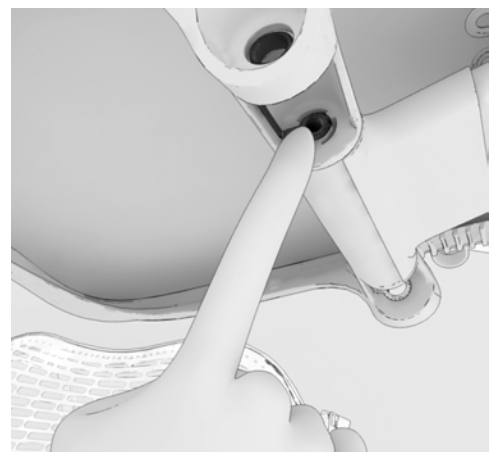
5. Make the seat loosen from the back.



6. Using T40 torx bit remove the retainer bolt. Repeat for the other side.

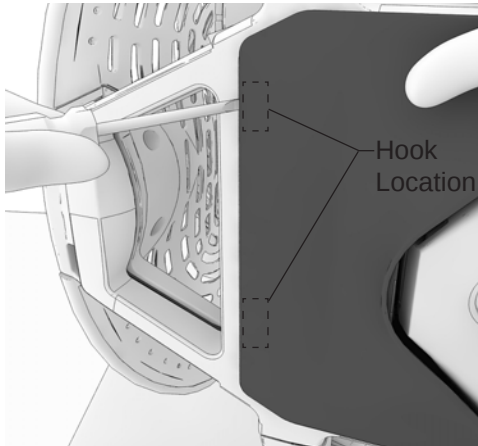


7. Remove the seat from chair.

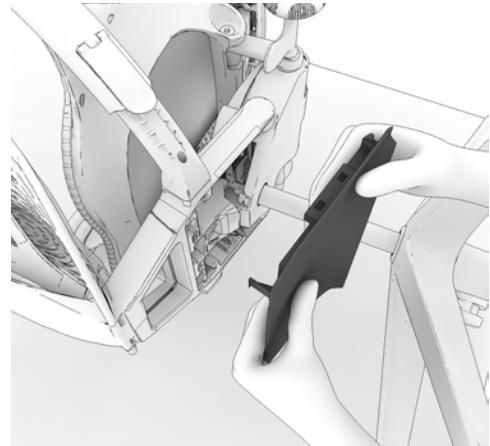


Note: Be careful, not to damage the bushings.

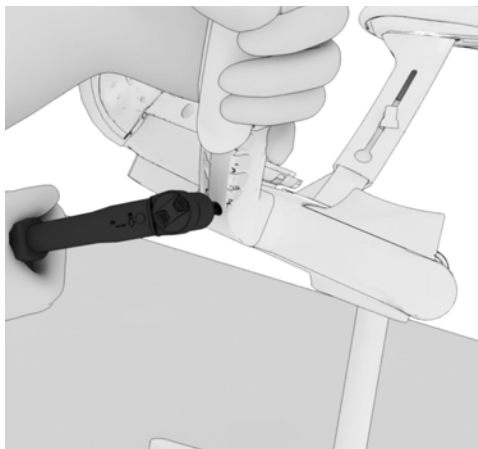
Arm Removal:



8. Using a small flat head screwdriver depress the two hooks in the back of the bottom tilt cover as shown. Remove the tilt cover.



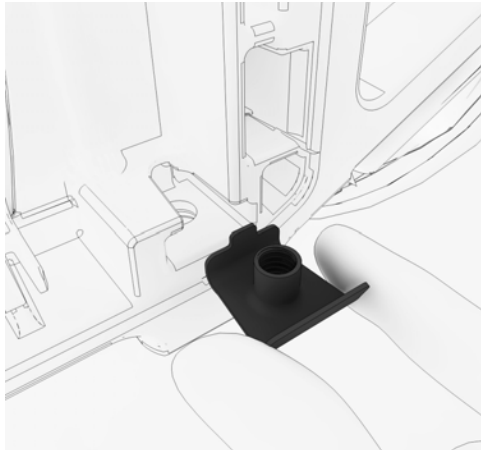
9. Bottom tilt cover removed from the tilt assembly.



10. Using 6" T40 torx bit remove the arm from tilt assembly

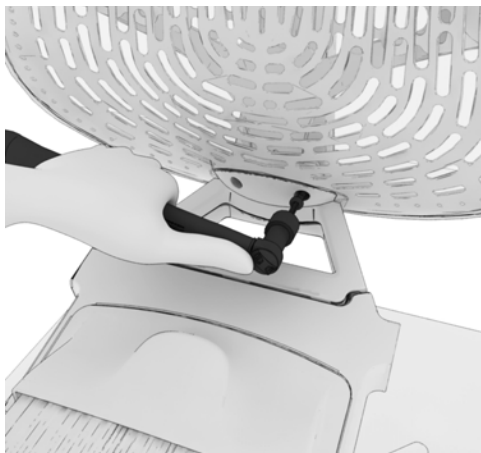


11. While loosening the bolt pull the arm away from the housing and remove the bolt from arm casting.

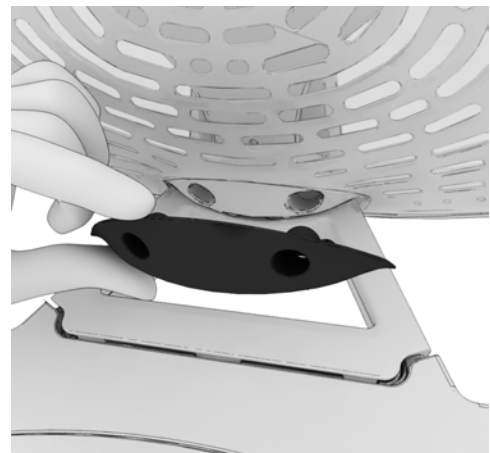


12. Remove the nut plate from the bottom of the tilt assembly.

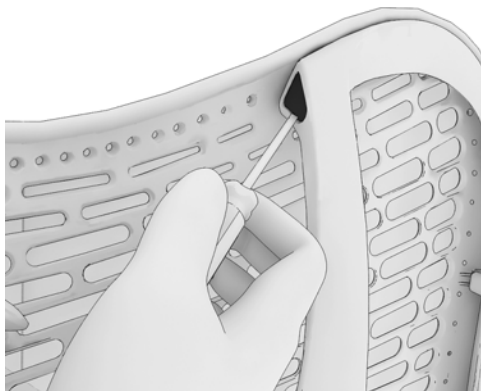
Back Removal:



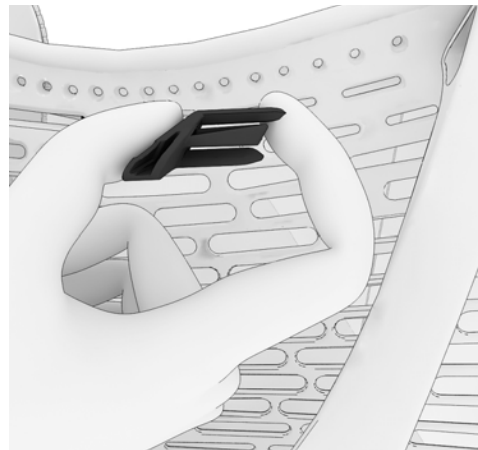
13. Using an extended 4 inch long T27 torx bit to remove the 2 screws at the bottom center of the back.



14. Remove the trim cover.



15. Using a small flat head screwdriver, slide into the gap to remove the oval shaped retainer clip.



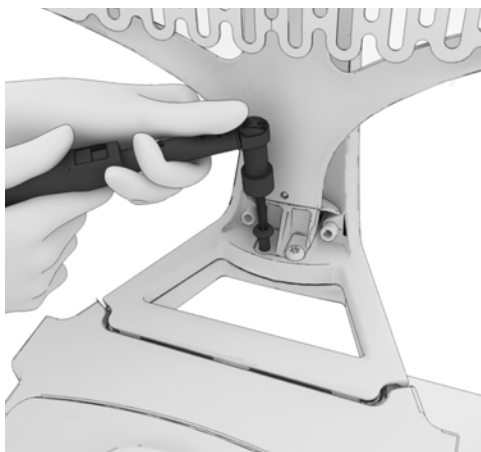
16. Remove the handed clip. Repeat for the opposite side.



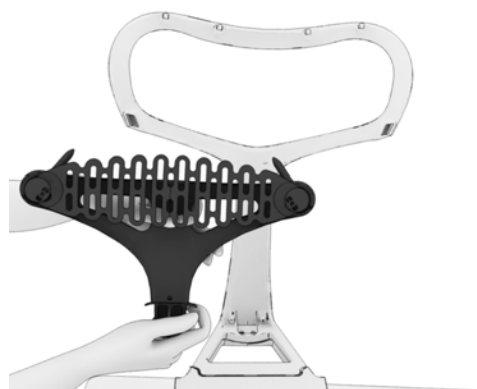
17. Lift upon the bottom and top at the same time to completely remove the back.

Note: Make sure the 4 metal teeth remain intact in the loop.

Lumbar Removal:

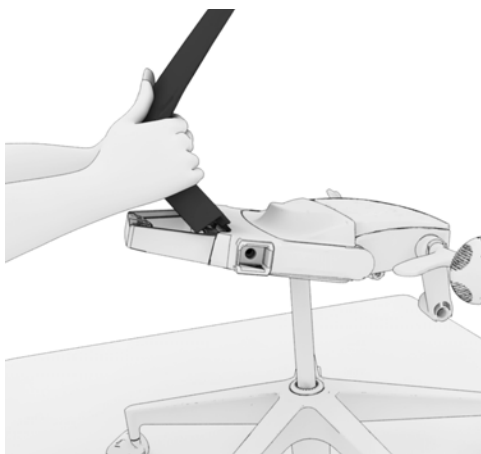


18. Using T40 torx bit remove the bolts from the back yoke.



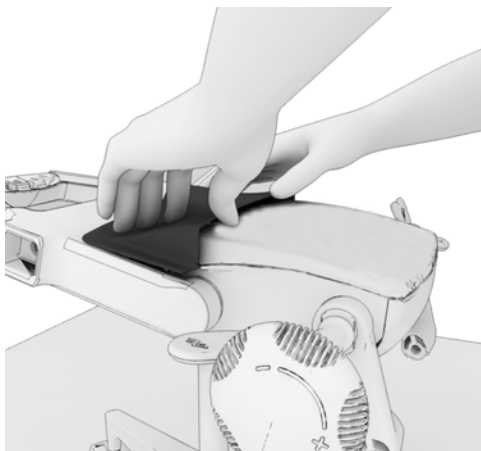
19. Remove the lumbar stem assembly.

Spine Removal:

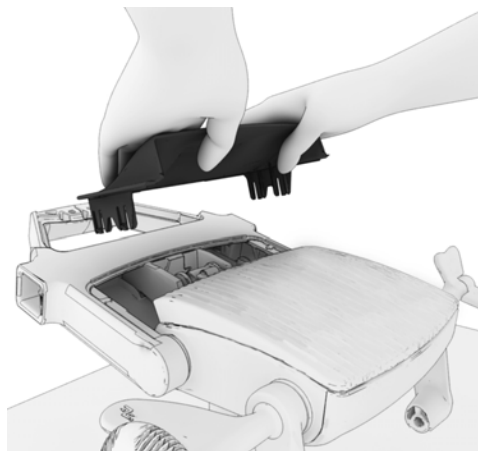


20. Tilt forward to remove the spine.

Tilt Rear Cover Removal:

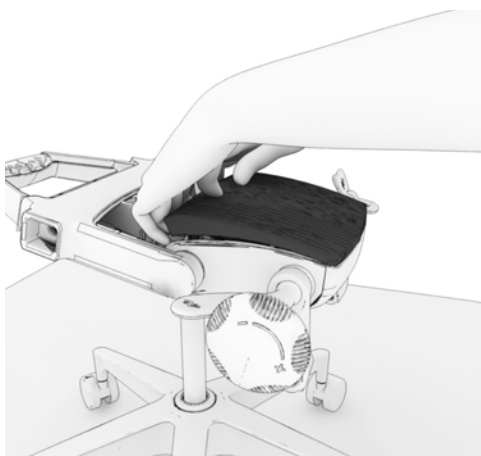


21. Using fingers lift the top rear tilt cover.

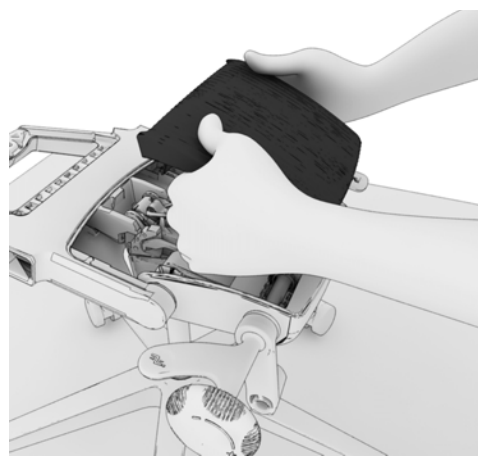


22. Remove the top rear tilt cover from tilt assembly.

Tilt Front Cover Removal:

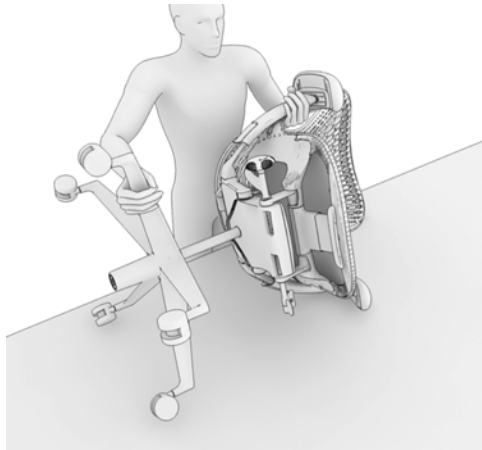


23. Using fingers pull off the top front tilt cover.

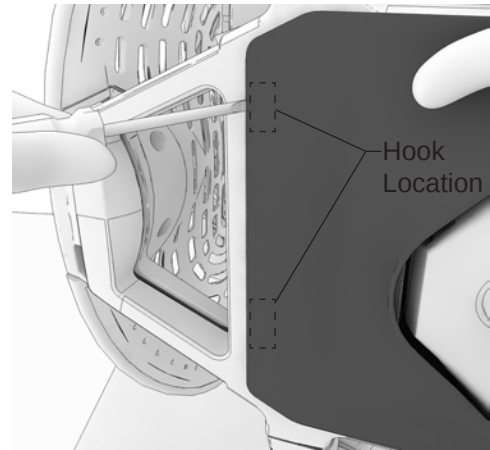


24. Remove the top front tilt cover from tilt assembly.

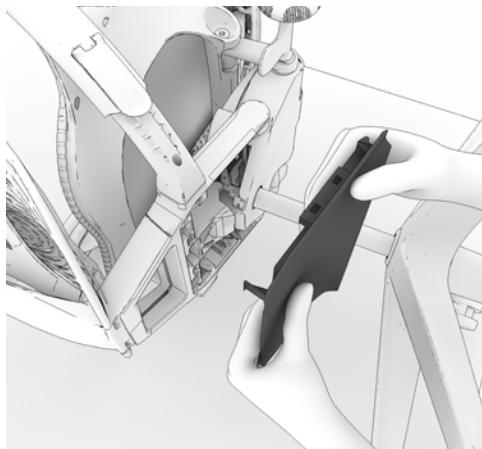
Bottom Tilt Cover Removal:



25. Lay the chair on the side.

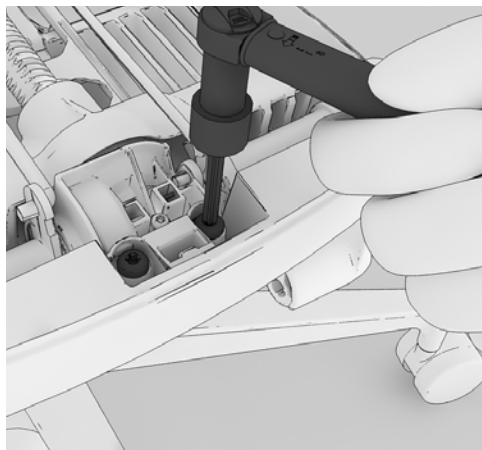


26. Using a small flat head screwdriver depress the two hooks in the back of the bottom tilt cover as shown. Remove the tilt cover.

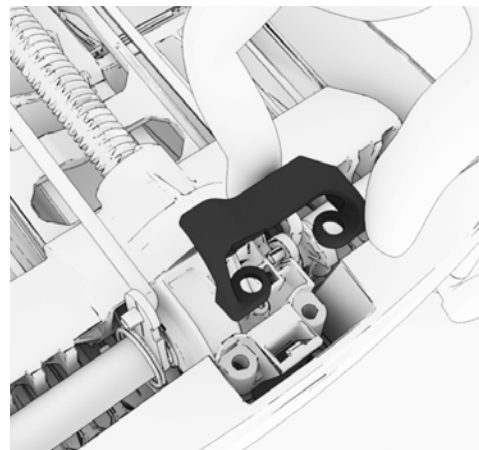


27. Bottom tilt cover removed from the tilt assembly.

Tilt Limit Control Removal:

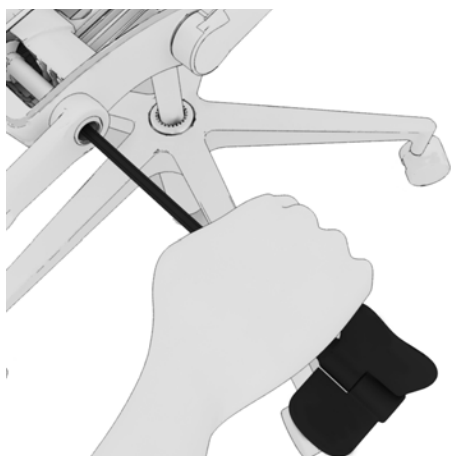


28. Using Phillips screw driver remove the two screws from the control retainer.

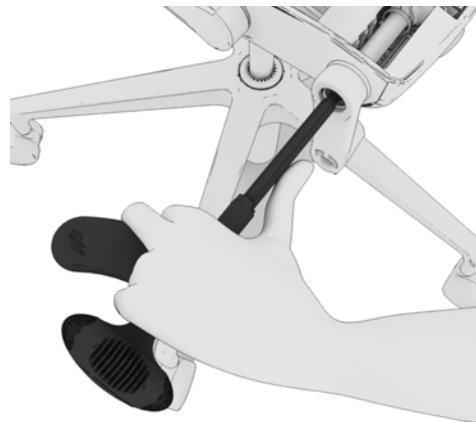


29. The control retainer is removed from the tilt assembly.

Tilt Tension Control Removal:

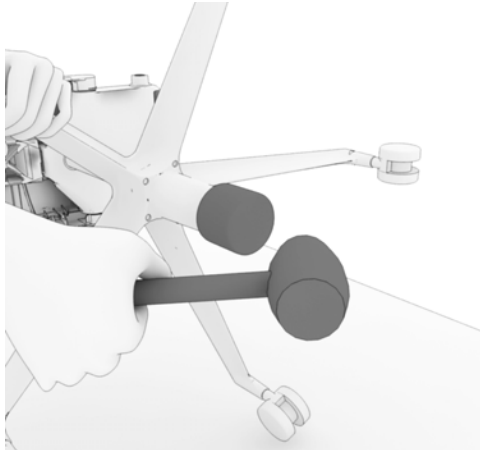


30. Pull the tilt limit control and remove it from the tilt assembly.

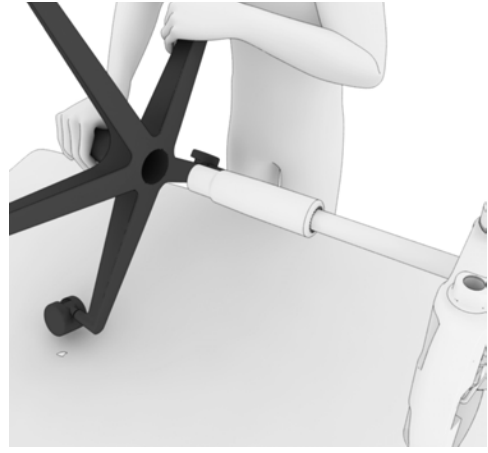


31. Remove the tilt tension control knob and its associated front link from the tilt assembly.

Base Removal:

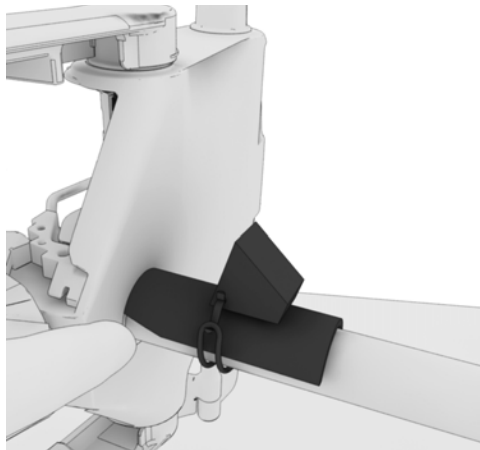


32. Place the nylon cap over the bottom of the cylinder. Using a 2lb hammer strike the cap to dislodge the base from the cylinder.

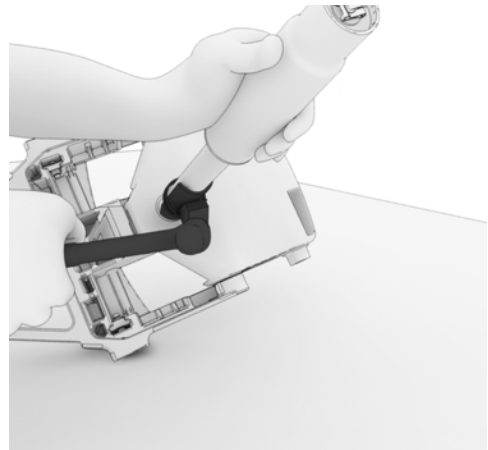


33. Remove the base from the cylinder.

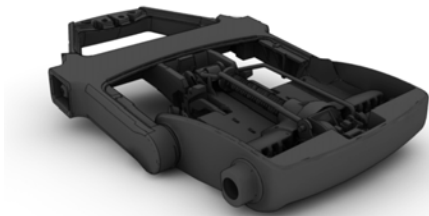
Cylinder Removal:



34. Attach the lift-off tool, ensuring that the tapered end of the lift-off tool is against the tilt housing and the striking surface is facing outwards.

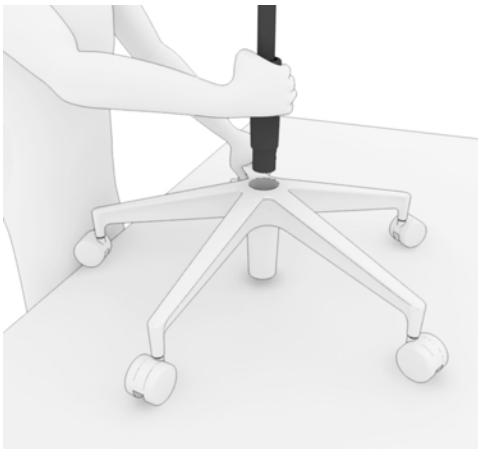


35. While holding the cylinder strike the lift-off tool with a hammer to dislodge the cylinder.



36. Tilt assembly completely removed.

Re-Assembly Steps:



37. Install cylinder onto the base.

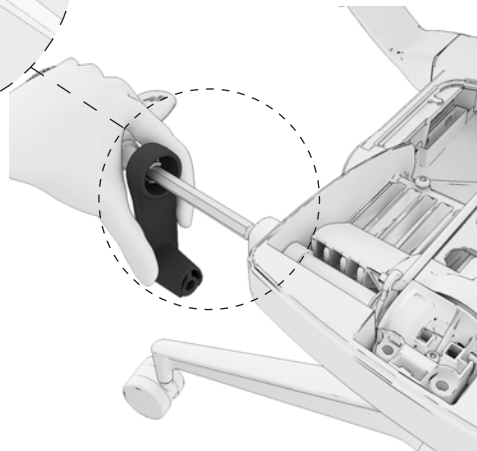


38. Place the new tilt assembly onto the top of cylinder.

Tilt Control Installation:



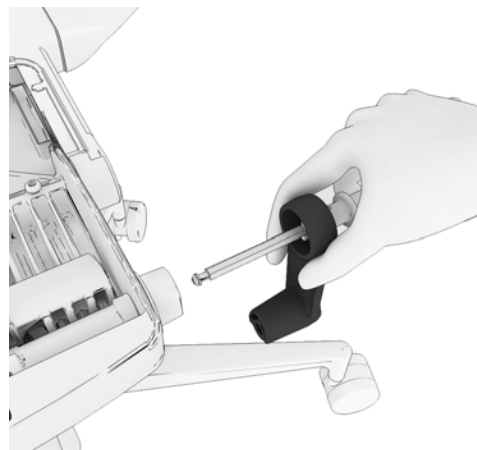
39. Insert new front link into tilt tension control knob.



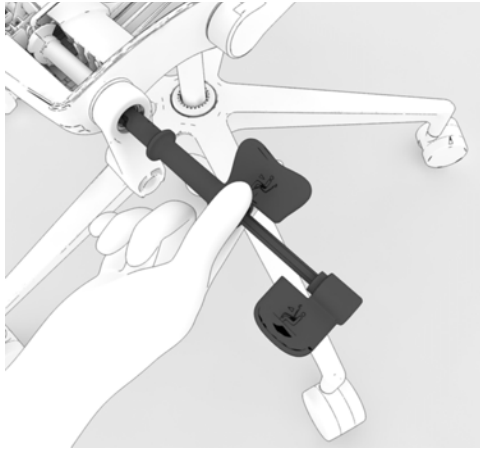
40. Install the tilt tension control knob with front link into tilt assembly.



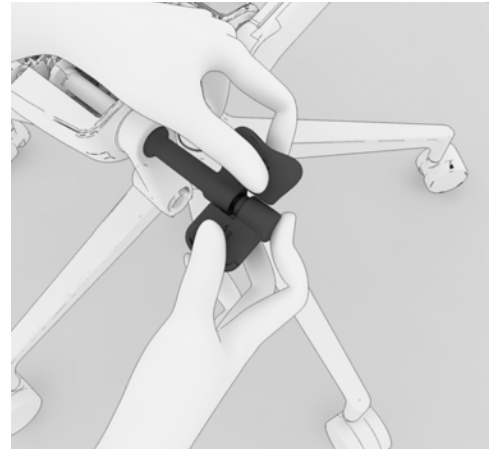
41. Insert new front link into tilt limit control.



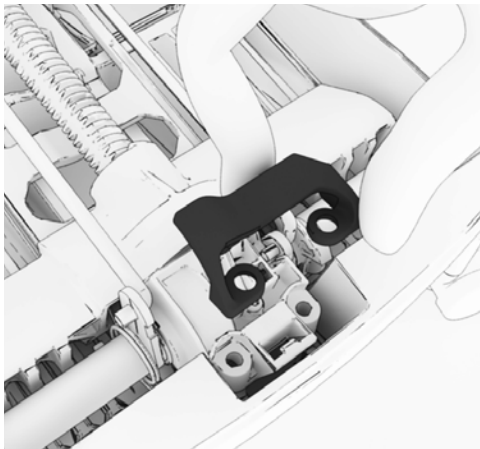
42. Install the tilt limit control with front link into the tilt assembly.



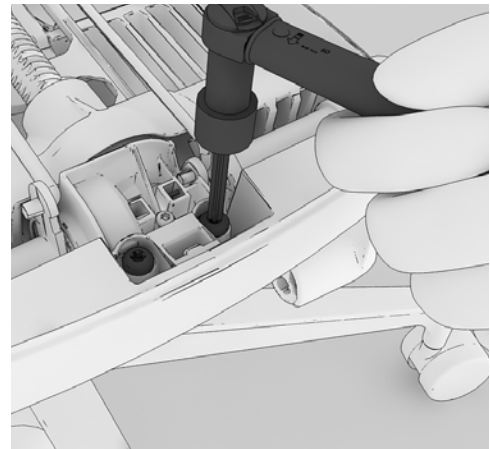
43. Rotate the rear tilt limit control handle until it locks into a key.



44. Slide the forward angle lever control knob over the rear tilt lever control knob. While applying pressure rotate them together until they snap into the tilt housing.

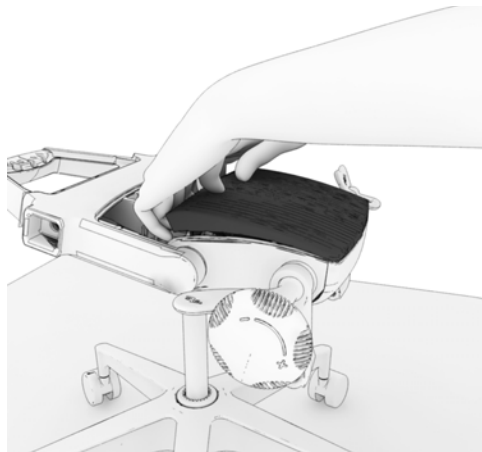


45. Install the control retainer into tilt assembly.

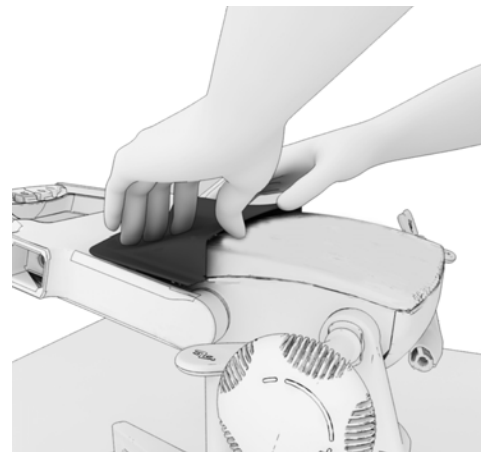


46. Using Phillips screw driver install the two screws. Torque to 60 in/lbs. Check all levers for proper function.

Top Tilt Cover Installation:

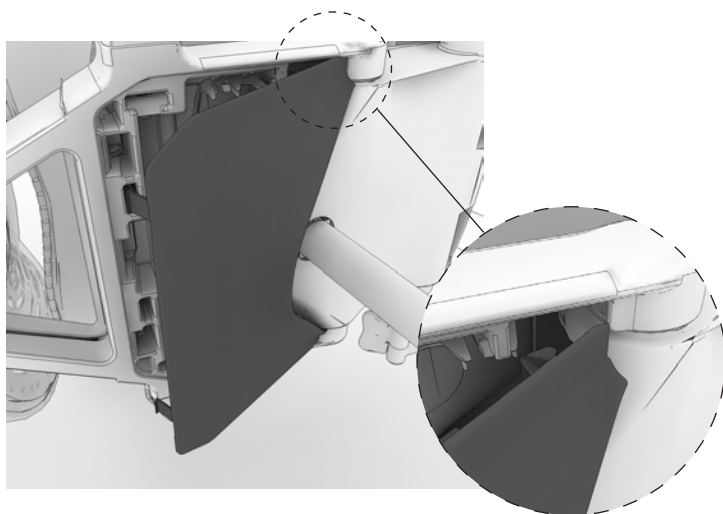


47. Position the top front tilt cover and make sure it is snapped in place.

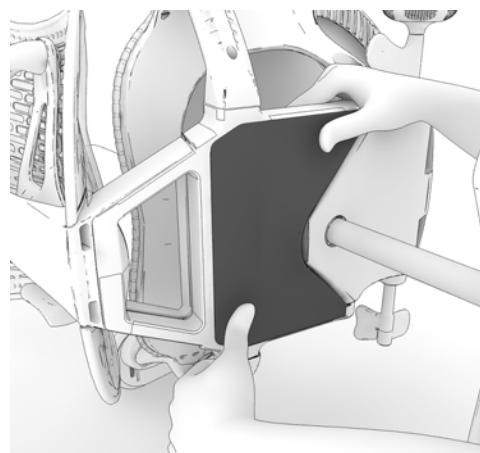


48. Position the existing top rear tilt cover in place and make sure it is snapped in place.

Bottom Tilt Cover Installation:

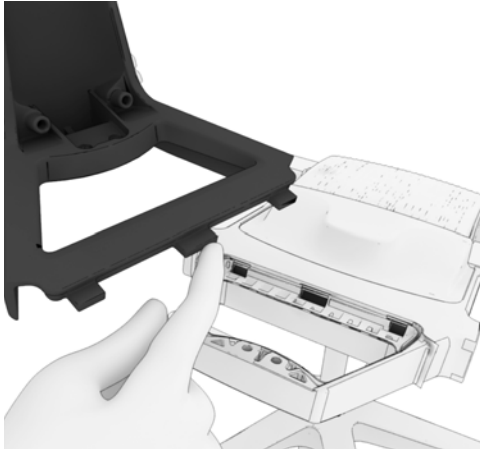


49. Position the open slot on the new bottom tilt cover facing front side of the chair. The slots on the cover should be placed into the bottom tilt assembly.

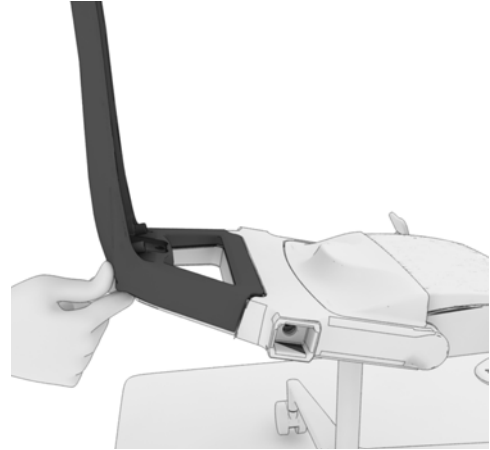


50. Make sure the bottom tilt cover is snapped to the bottom of the tilt assembly.

Spine Installation:

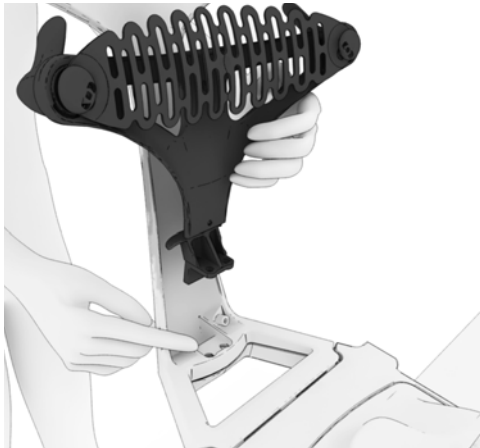


51. Hook the tabs under the slots by leaning the yoke forward.

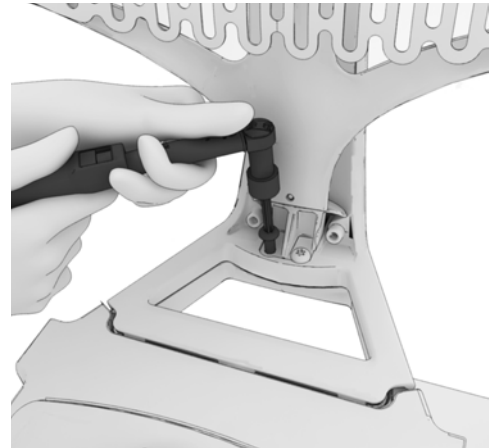


52. Drop into place and lean back.

Lumbar Installation:

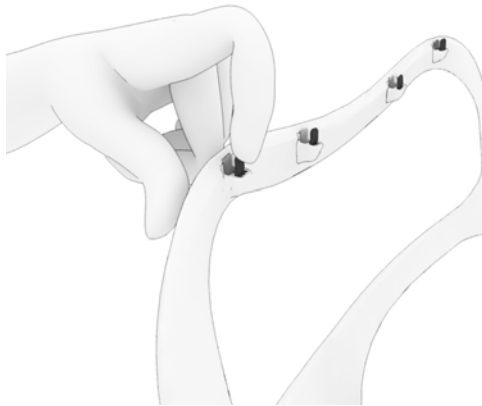


53. Position the lumbar assembly in place.



54. Reinstall the bolts.
Torque to 220 in/lbs.

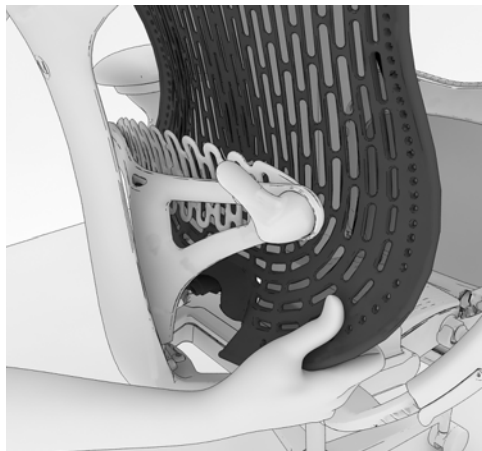
Back Installation:



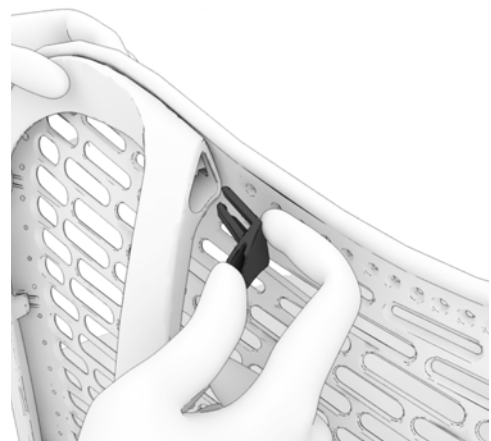
55. To reinstall the back pad, ensure that the 4 metal teeth are installed.



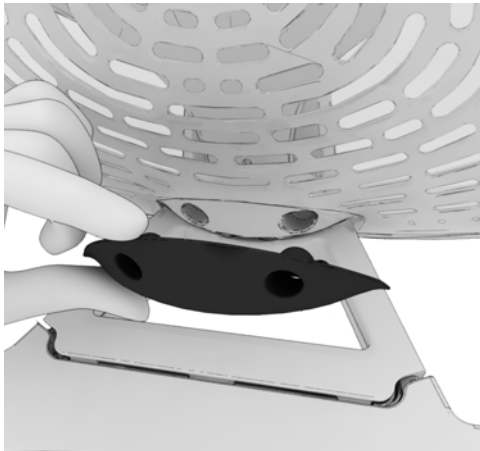
56. Hook the top of the pad over the teeth and push it down.



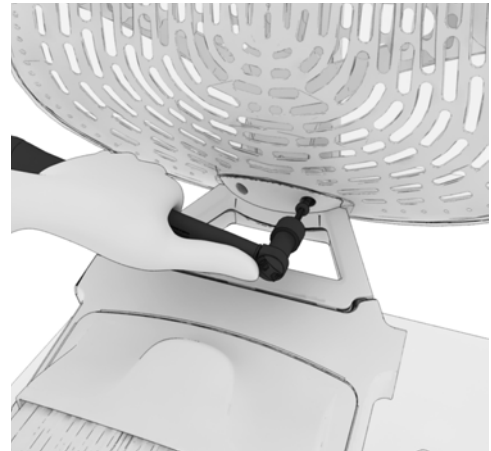
57. Flex the Back and slide around the bottom of the spine.



58. Re-insert the retainer clips for the upper back.

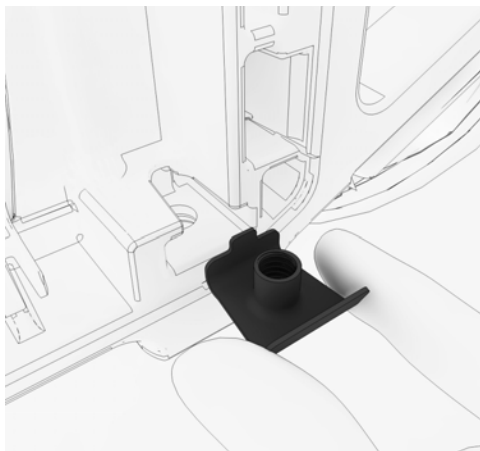


58. Reinstall the trim cover.

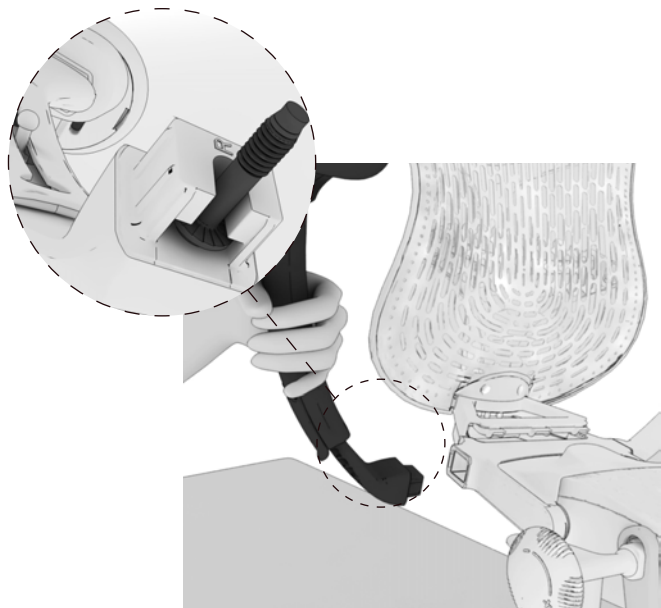


59. Re-install the bolts using the extended T27 torx bits. Torque to ?? in/lbs.

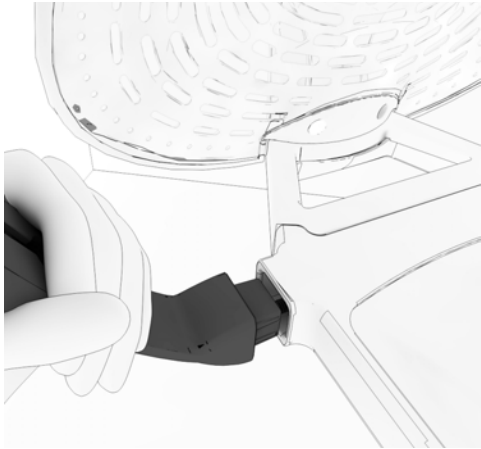
Arm Installation:



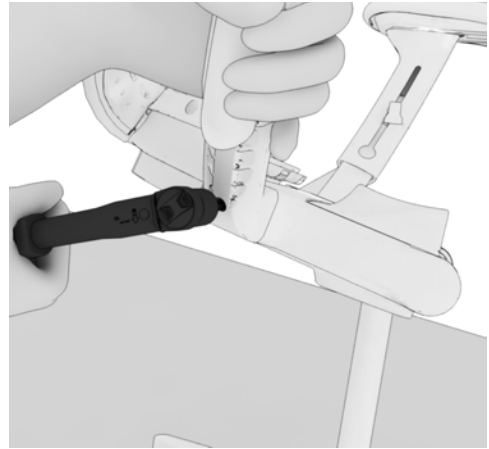
60. Place the nut plate on the bottom of the tilt assembly.



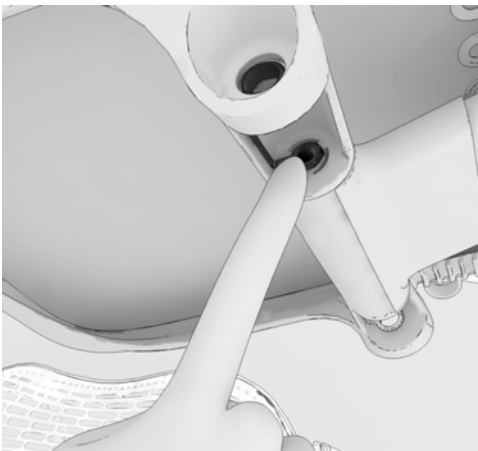
61. Place the bolt into arm casting slot.



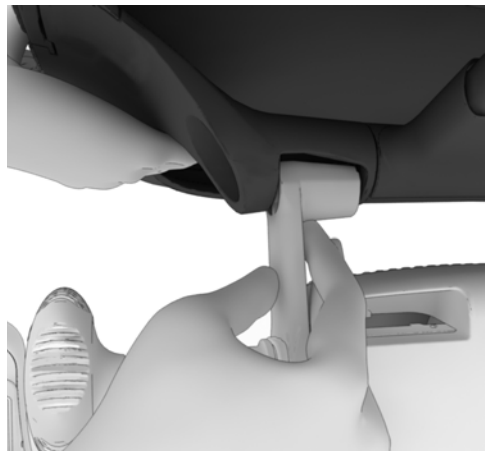
62. Position the arm in place.



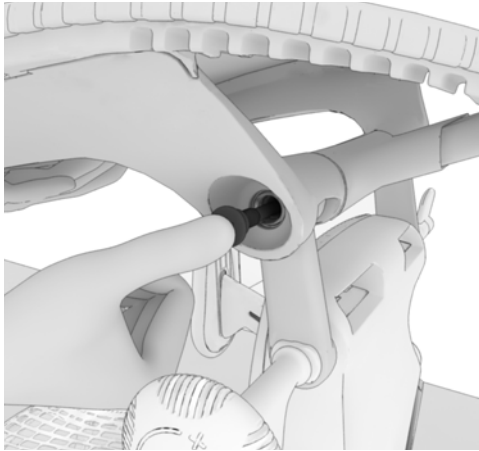
63. Using 6" T40 torx bit tighten the bolt. Torque to 330 in/lbs. Repeat on opposite side.



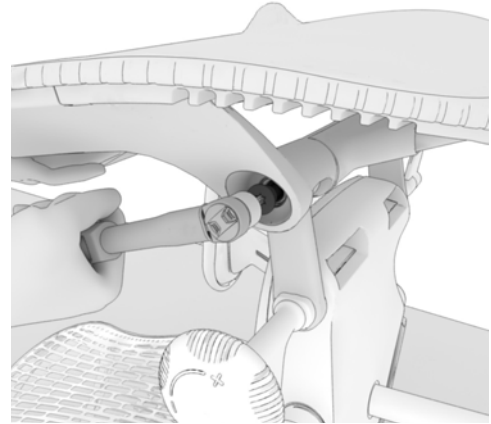
Note: Before re-attaching the seat to the front links make sure the bushings are still in place.



64. Rotate the seat down over the front links.

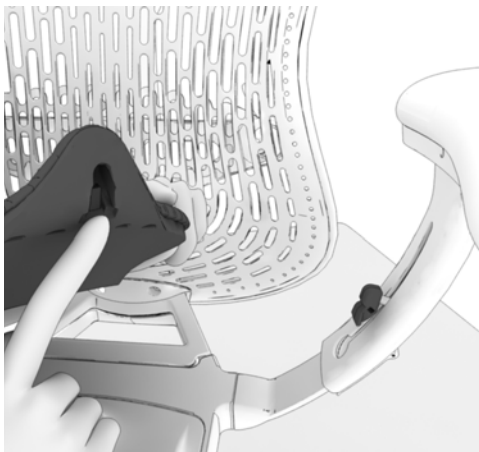


65. Install bolts on both sides.

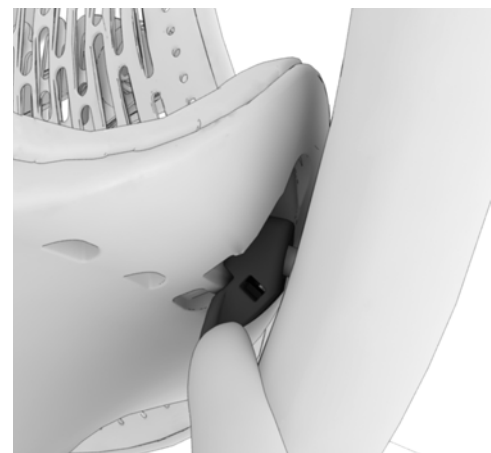


66. Using T40 torx bit, tighten the bolts to the torque 300 in/lbs.

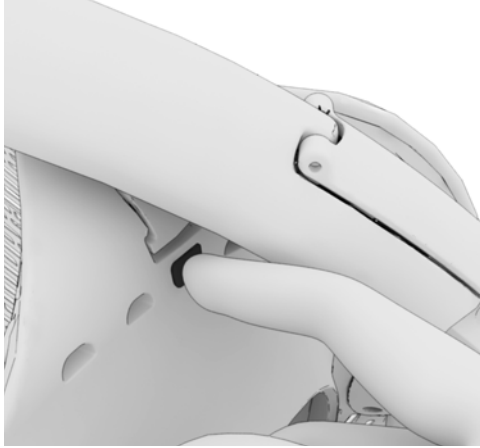
Caution: Do not over torque, you may strip the thread.



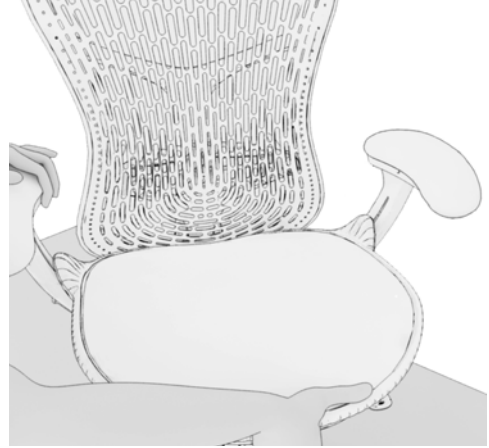
67. Rotate the seat to the end use position sliding the Pivot Bushing into the keyed opening in the seat.



68. Push down until it snaps.



67. Install D-clips.



67. Check for proper function.



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