

Replacement Methods For Gas/Pneumatic Lifts

Over time, the gas lift in an office chair can wear out, causing issues with height adjustment. Fortunately, replacing it is simple! There are two common methods. Follow these step-by-step instructions to do it safely and efficiently.

Important Notes Before You Start:

- The gas lift/pneumatic cylinder is held in place purely by friction—there are no screws or bolts. The longer the chair has been used, the tighter the fit may be.
- Always secure the chair while working to prevent it from tipping over and causing injury or damage. If placing the chair upside down, support it properly or have someone hold it steady.
- The control unit is the metal mechanism under the seat that allows for tilt and height adjustment.

Method #1 (Easiest)

Using a Pipe Wrench

① Remove the Base

- Turn the chair upside down and stabilize it
- Slide the plastic cover (telescopic sleeve) up to expose the gas lift
- Use a large pipe wrench to grip the gas lift near the base
- Hold the wrench steady and twist the base in the opposite direction until the gas lift separates from it

② Remove the Gas Lift From The Seat

- Slide the plastic cover further up to expose the top connection
- Use the pipe wrench to grip the gas lift near the control unit
- Twist the wrench and control unit in opposite directions until the gas lift comes loose

③ Install the New Gas Lift

- Remove the plastic cover from the old gas lift and slide it onto the new one
- Insert the new gas lift onto the control unit first
- Attach the chair base onto the bottom of the gas lift
- Carefully turn the chair upright while keep the parts aligned

Method #2

Using a Hammer and Wood Block

① Remove the Base

- Turn the chair upside down and stabilize it
- Have one person hold the chair slightly off the ground by gripping the base
- The second person places a sturdy wood block on the bottom of the gas lift
- Strike the wood block firmly with a hammer several times until the gas lift separates from the base

② Remove the Gas Lift From The Seat

- Set the base aside
- Have one person lift the chair slightly off the ground
- The second person places the wood block near the top connection where the gas lift meets the control unit
- Hit the wood block evenly with a hammer until the gas lift comes loose

③ Install the New Gas Lift

- Remove the plastic cover from the old gas lift and slide it onto the new one
- Insert the new gas lift onto the control unit first
- Attach the chair base onto the bottom of the gas lift
- Carefully turn the chair upright while keep the parts aligned

Final Check:

- Once the chair is upright, sit down with some extra force to ensure the friction joints are tight.
- Test the height adjustment to confirm the gas lift is working properly.
- That's it! Your chair should be good as new!