

# UPTIMIZER ST

## owners service manual







#### step 1

- Use bicycle frame to hold post while loosening collar screw
- Use an adjustable spanner set at 35mm



#### step 2

- Using a blade wedge seal cap out of seat post base



#### step 3

- Remove seal cap



#### step 4

- Free the inner cable from the retaining screw





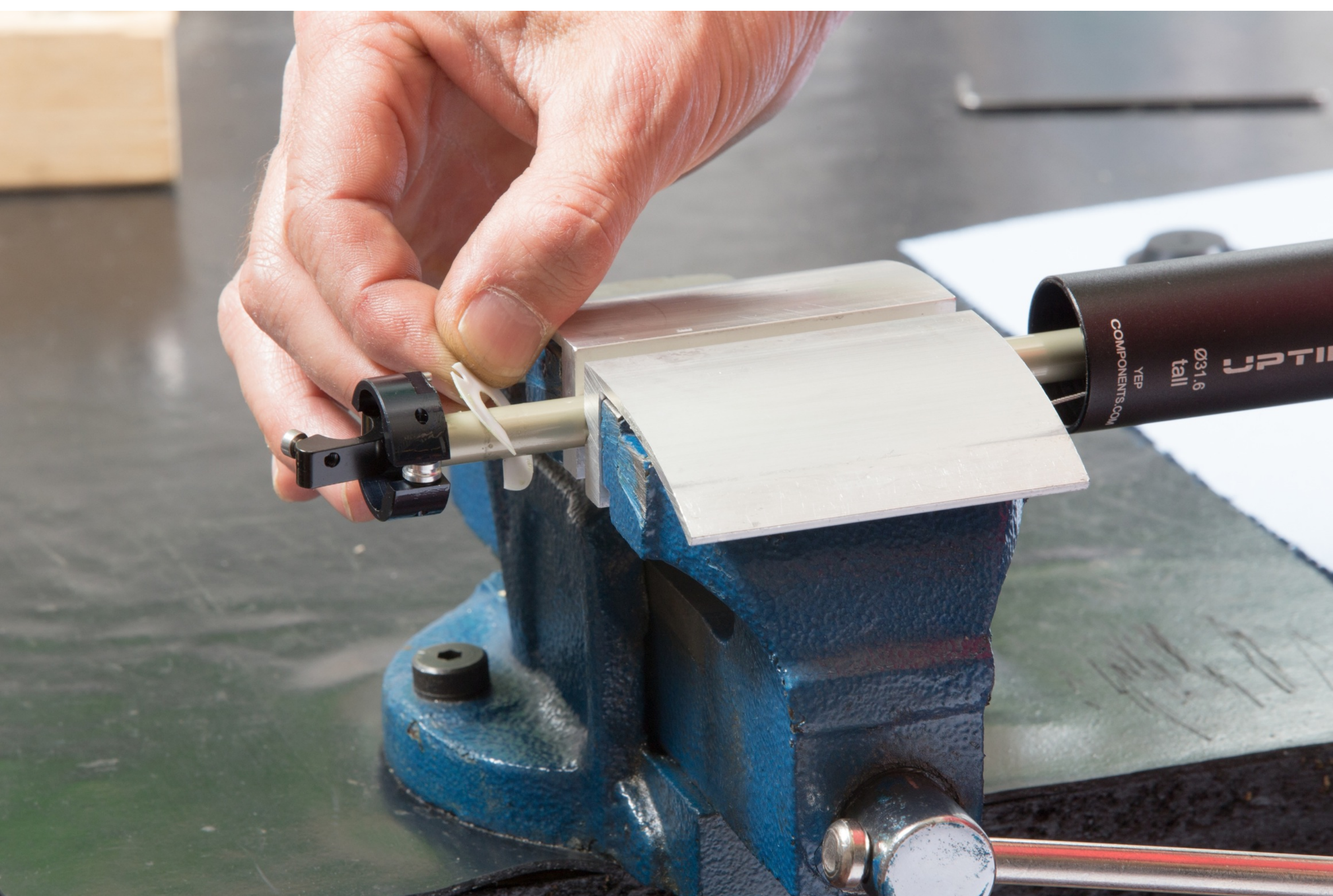
step 5

- Use internal snap-ring pliers to remove the bottom lock ring



step 6

- Apply pressure to the head in order to extract the actuator assembly



step 7

- Use vise inserts to protect the shaft
- Use an adjustable spanner set at 26mm to unscrew the actuator assembly

*Note: remove white plastic washer*

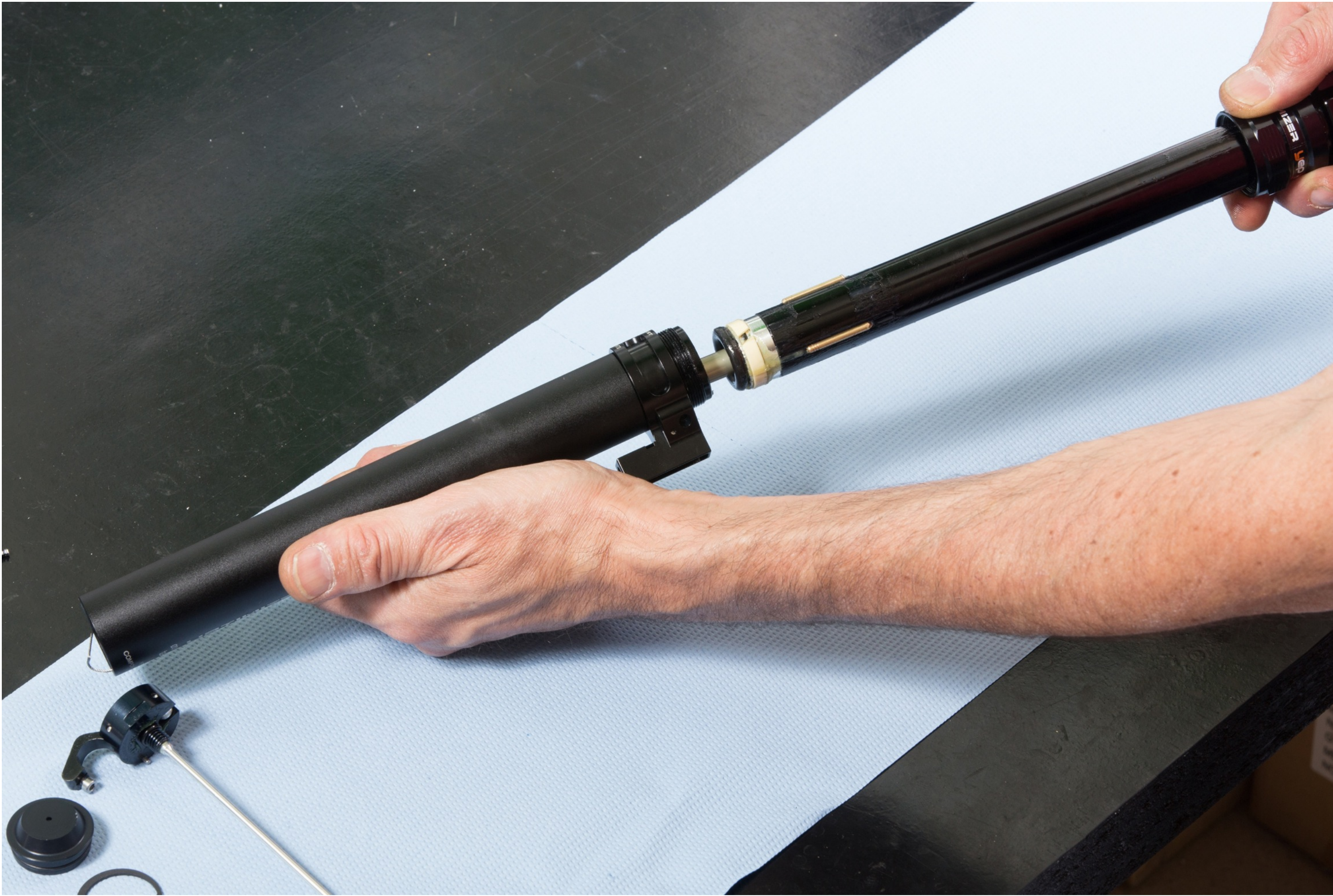






step 8

- Extract the actuator push rod



step 9

- Take the stanchion out from the lower tube



step 10

- Remove the rubber bumper ring and white plastic washer



step 11

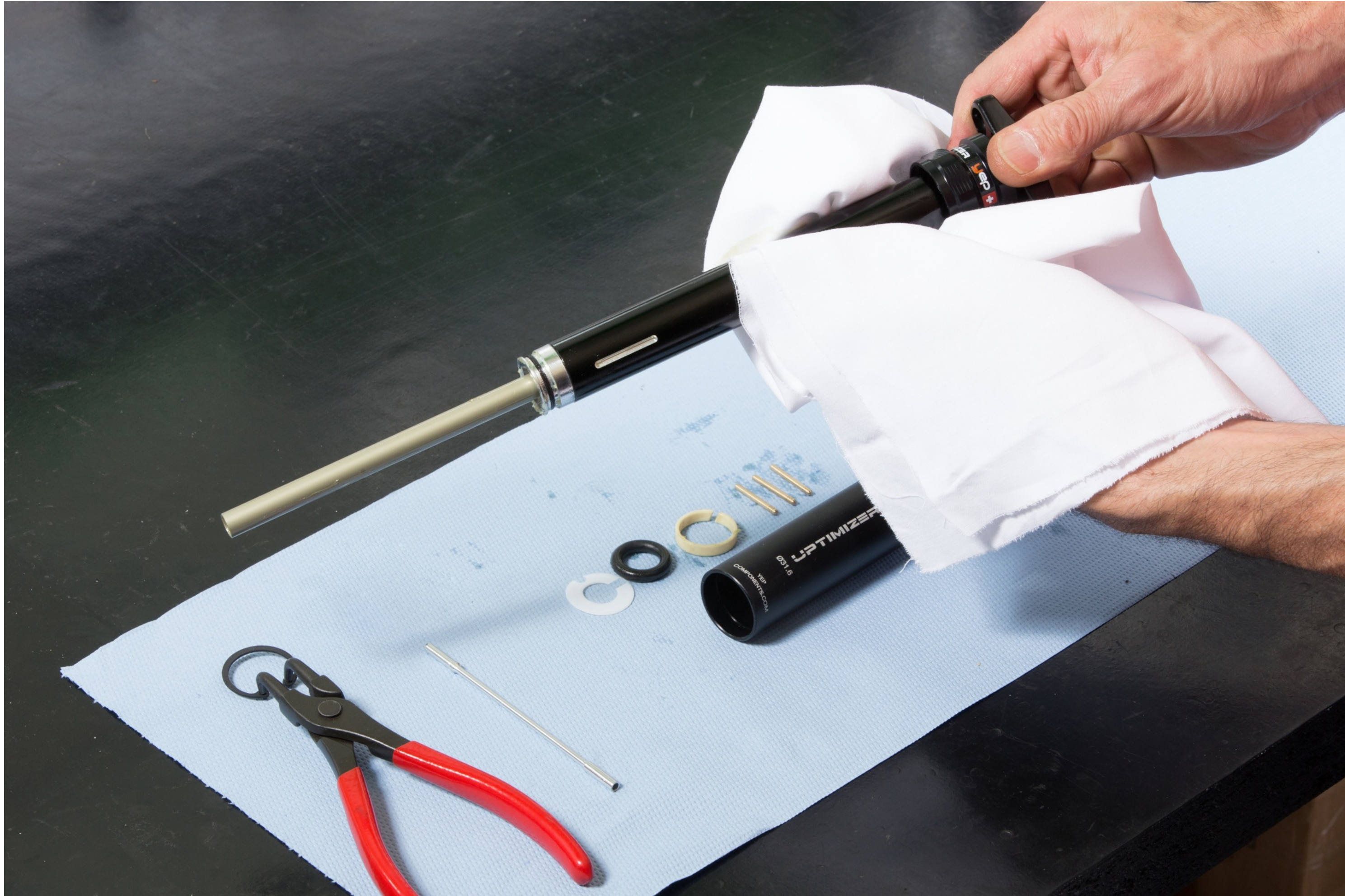
- Remove the Igus® piston ring





step 12

- Remove the three brass keys



step 13

- Use a soft rag to clean the stanchion



step 14

- Remove collar



step 15

- Remove dust ring using a flat-head screwdriver





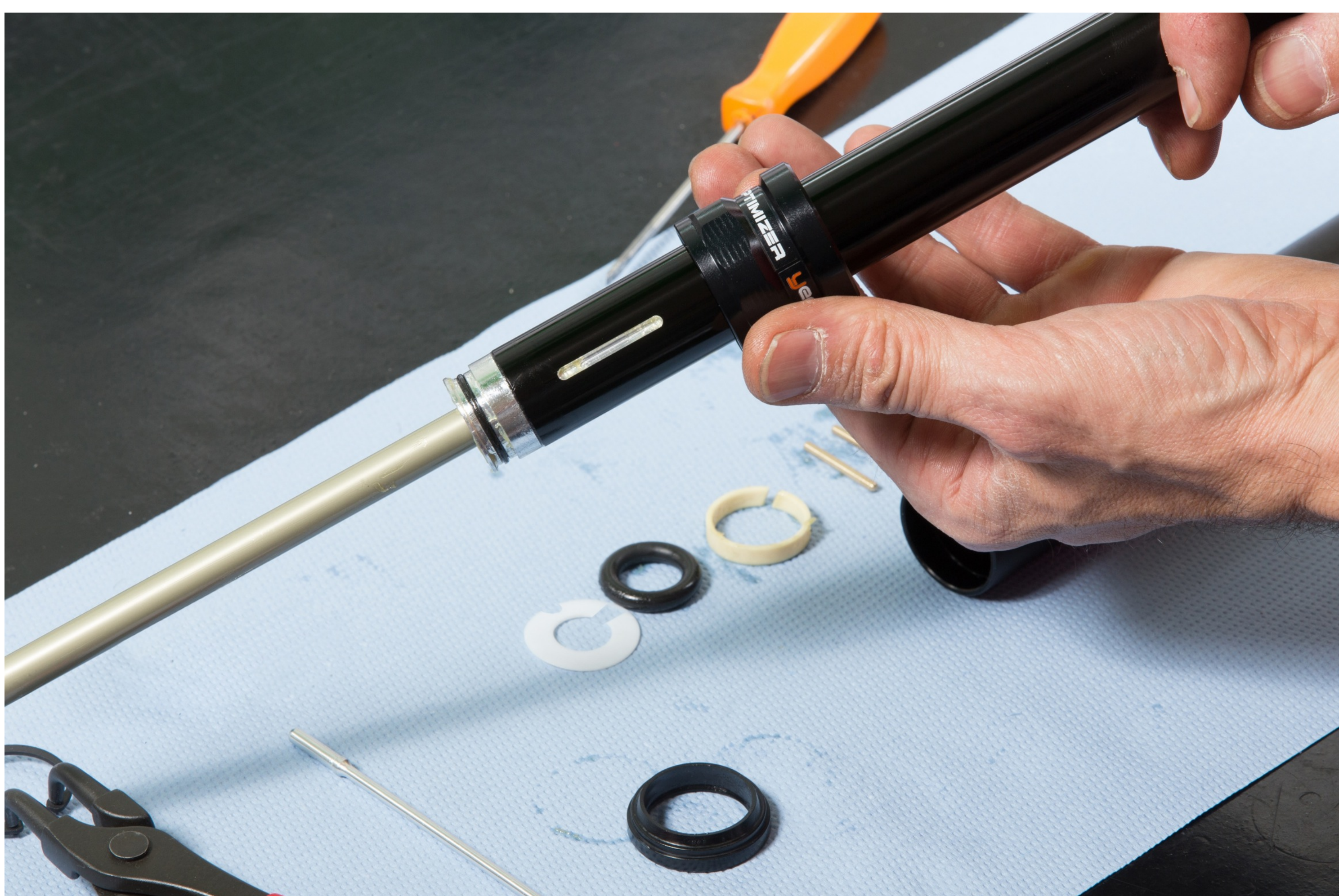
#### step 16

- Use a soft cloth to clean the bushing inside the collar



#### step 17

- Clean dust ring



#### step 18

- Run the collar (without dust-ring) through the stanchion to check smoothness of operation
- If necessary, use grit 400 sandpaper to restore finish inside the collar, pay attention not to remove too much material







step 19

## RE-ASSEMBLY PROCEDURE

- Install dust-ring



step 20

- Carefully reinstall collar, paying attention not to damage the lip of the dust ring



step 21

- Reinstall the three brass keys in their slots (previously cleaned).  
Add a small quantity of grease

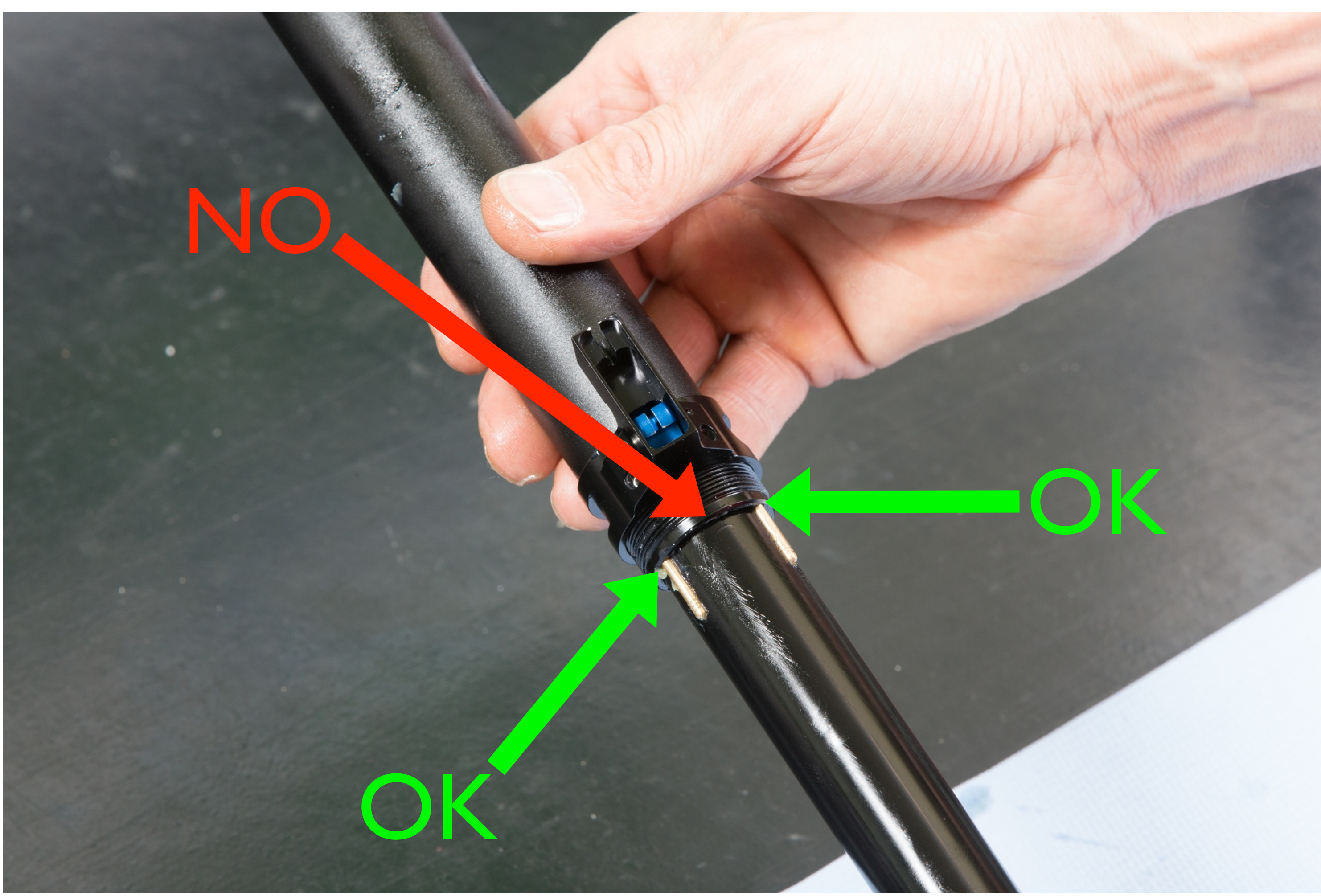
*note: after very extended use the post might develop some lateral play; in this case the three brass keys will need to be replaced; please find them in the Spare Parts section of our Shop webpage.*



step 22

- Reinstall Igus® piston ring

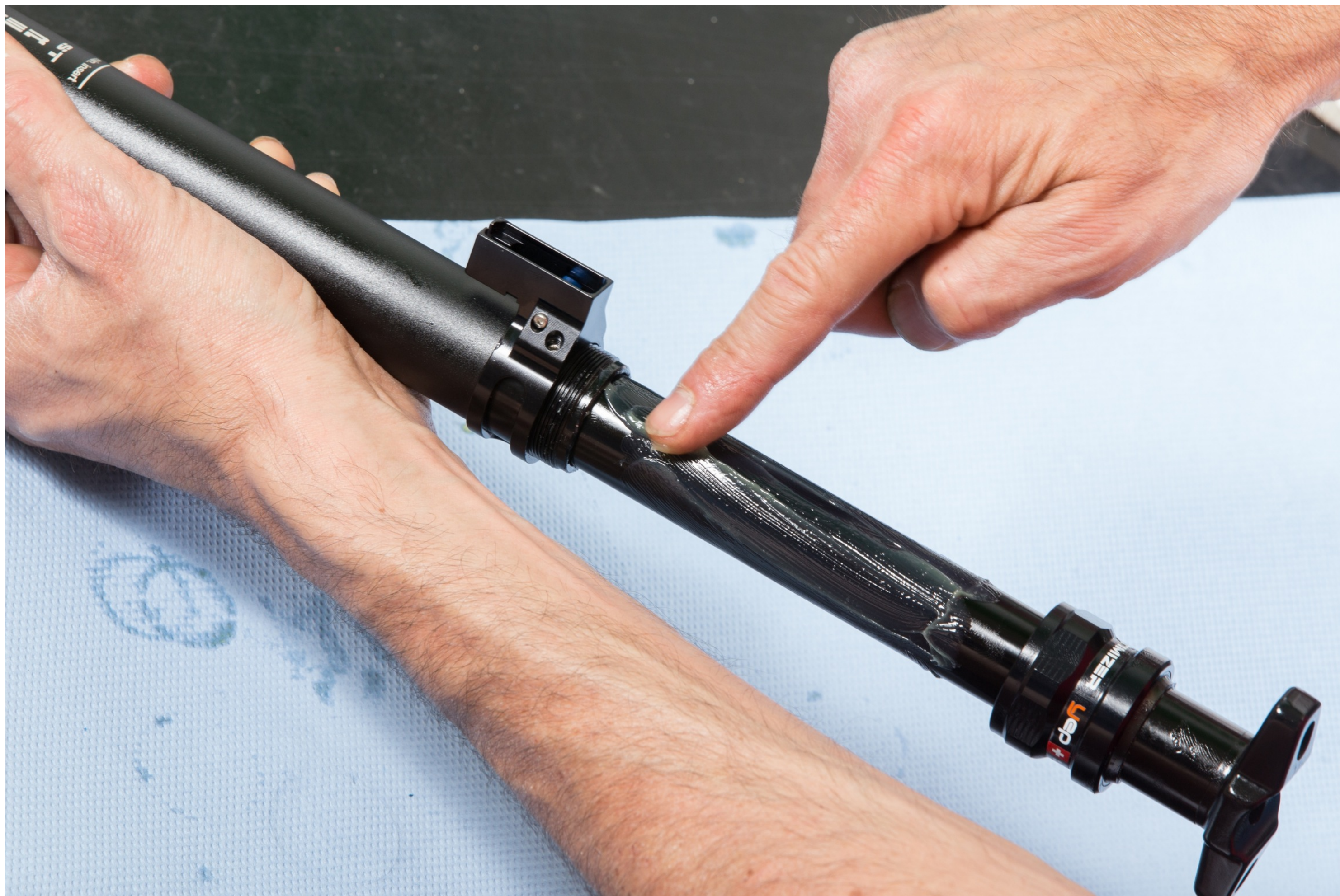




#### step 23

- Insert stanchion in the outer sleeve

***Important:** make sure to insert the brass keys in the correct slots of the outer sleeve. Leave the center slot (in line with the actuator box) empty.*



#### step 24

- Apply a layer of suspension grease (Slick Honey™ or similar) to the stanchion before final reassembly

***Important:** do not use thick white grease or other mounting compounds*



#### step 25

- Apply a few drops of thread locker



#### step 26

- Install collar (hand tight)





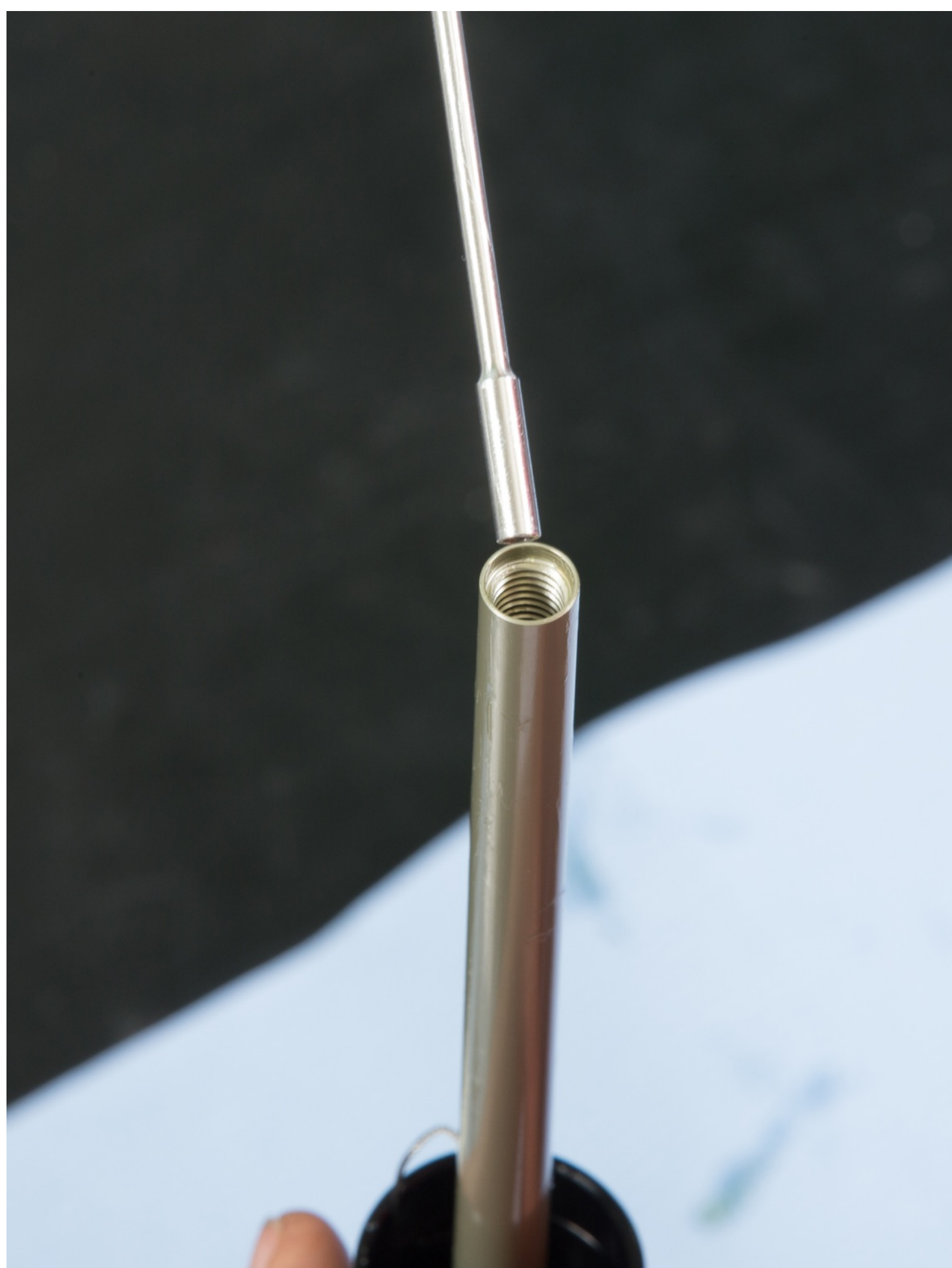
step 27

- Install bumper ring



step 28

- Reinstall actuator push rod (add grease)

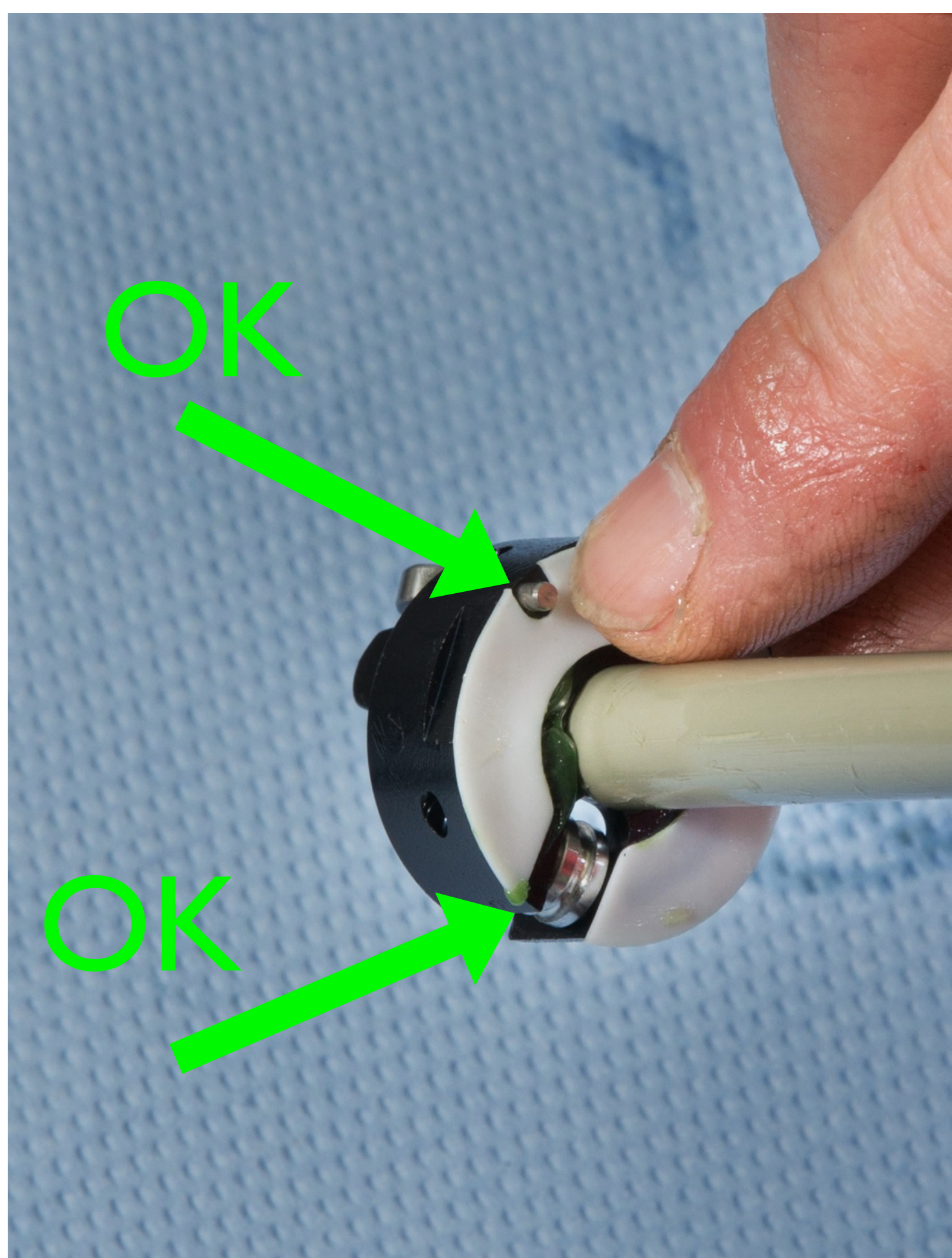
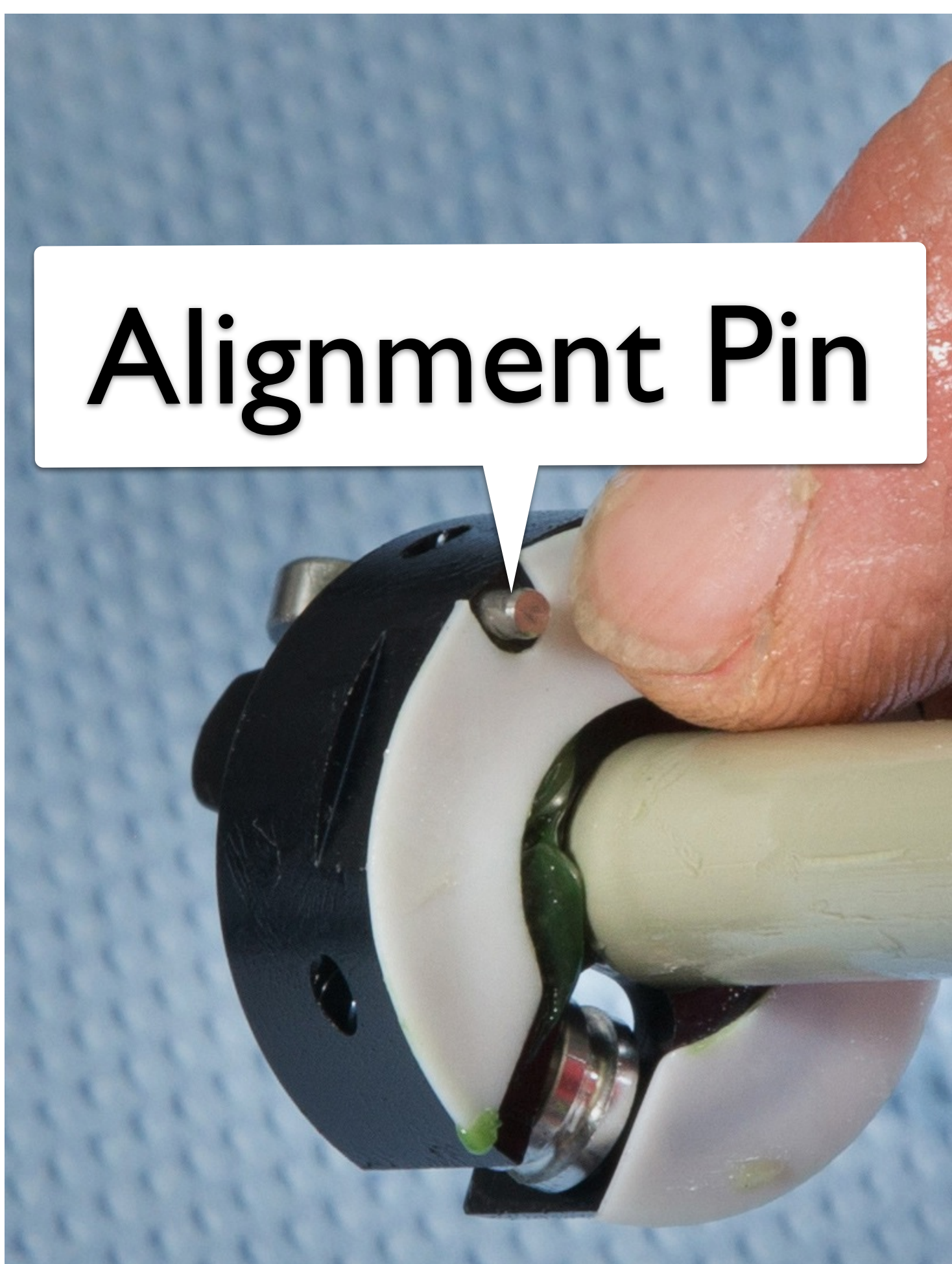


step 29

- Screw actuator back on piston shaft (3Nm max)

*note: do not use thread locker*

- Install the white plastic washer using the two slots as reference (see photo)







#### step 30

- Align the silver pulley with the inner cable and the graphics on the seatpost sleeve.
- Place the cable across the pulley wheel while inserting the actuator in position.

*note: make sure the Alignment Pin sits properly into its slot*



#### step 31

- Reinstall snap ring



#### step 32

- Use nose pliers to hold the cable in place while tightening the cable lock screw (apply minimum tension to the cable when locking it).

*note: If too much tension is applied, the valve will remain open and the system won't work correctly*

*tip: normally the inner cable can be reused after service. In case a new cable is needed, please refer to the spares section of the website.*

*Do not use cables designed for other uses (shifter cables, etc.) because the system will not work correctly.*



#### step 33

- Reinstall seal cap





step 34

- Apply a few drops of thread locker
- Reinstall collar (use bicycle frame to hold the seat post in place)
- Securely tighten the hexagonal collar



step 35

- Go ride your bike

## Inner Cable replacement



step 1

- Order spare cable on our Spare Parts page of the website





step 2

- Loosen rocker axle pivot bolt



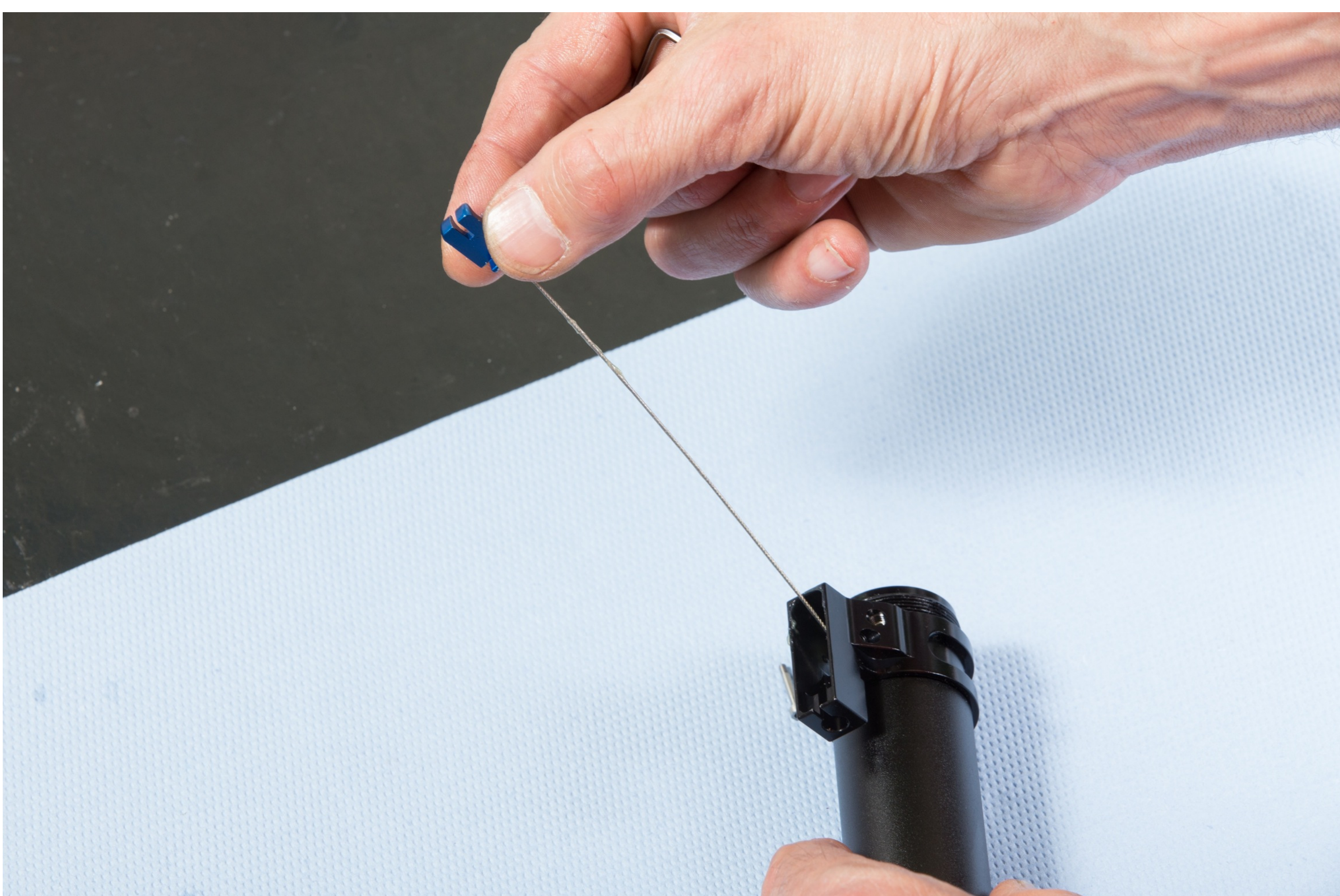
step 3

- Remove rocker axle completely

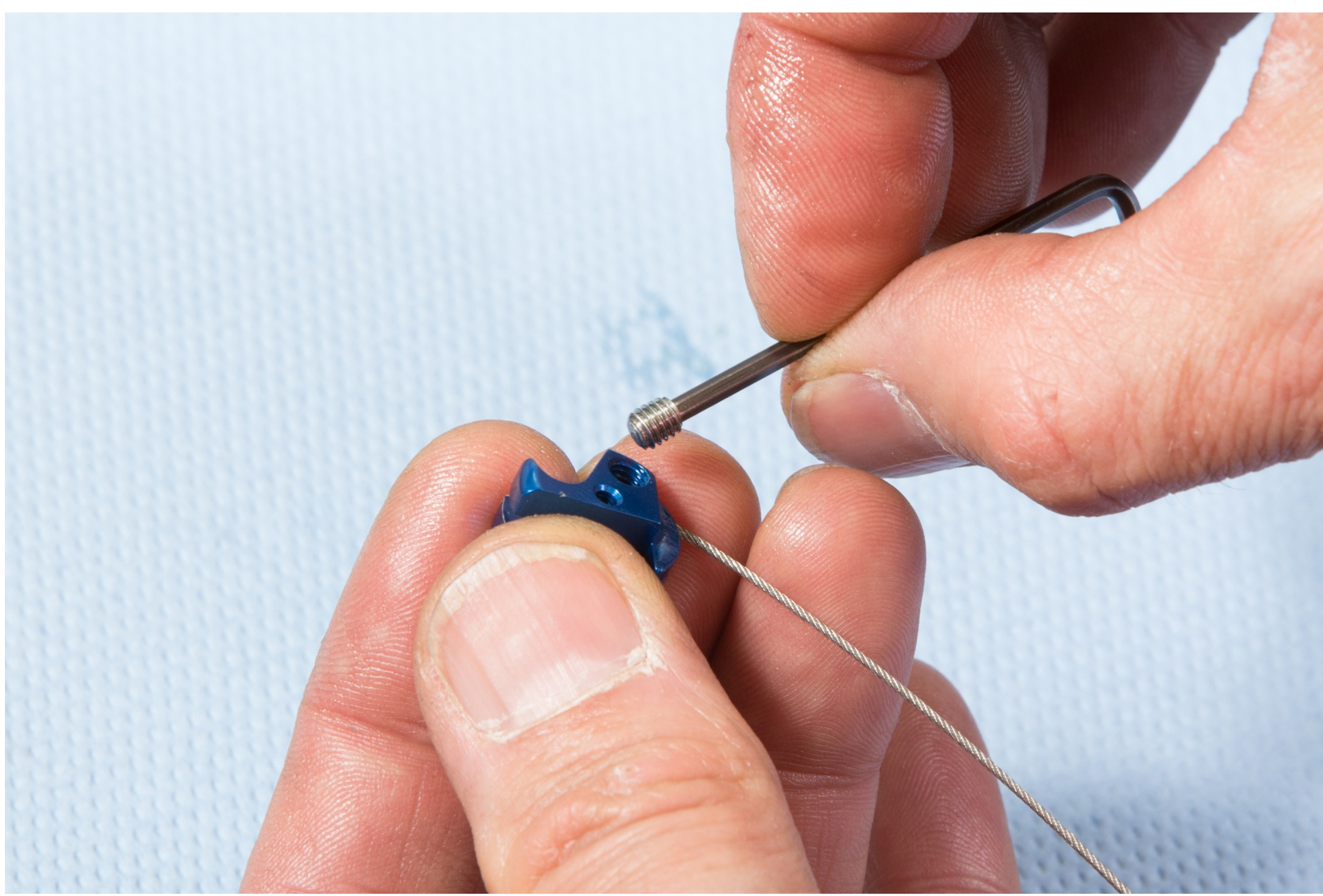


step 4

- Using a small lever, remove the rocker

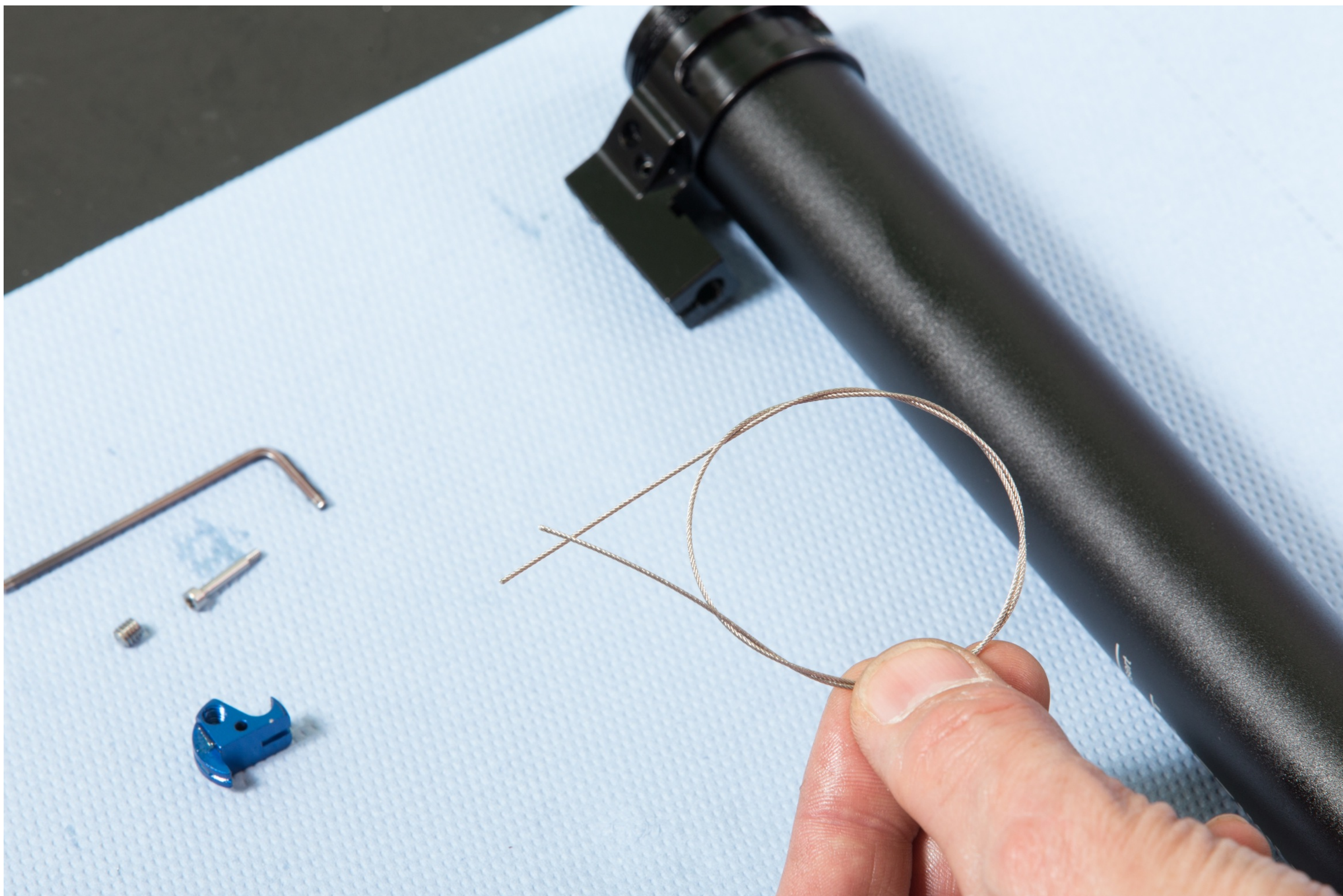






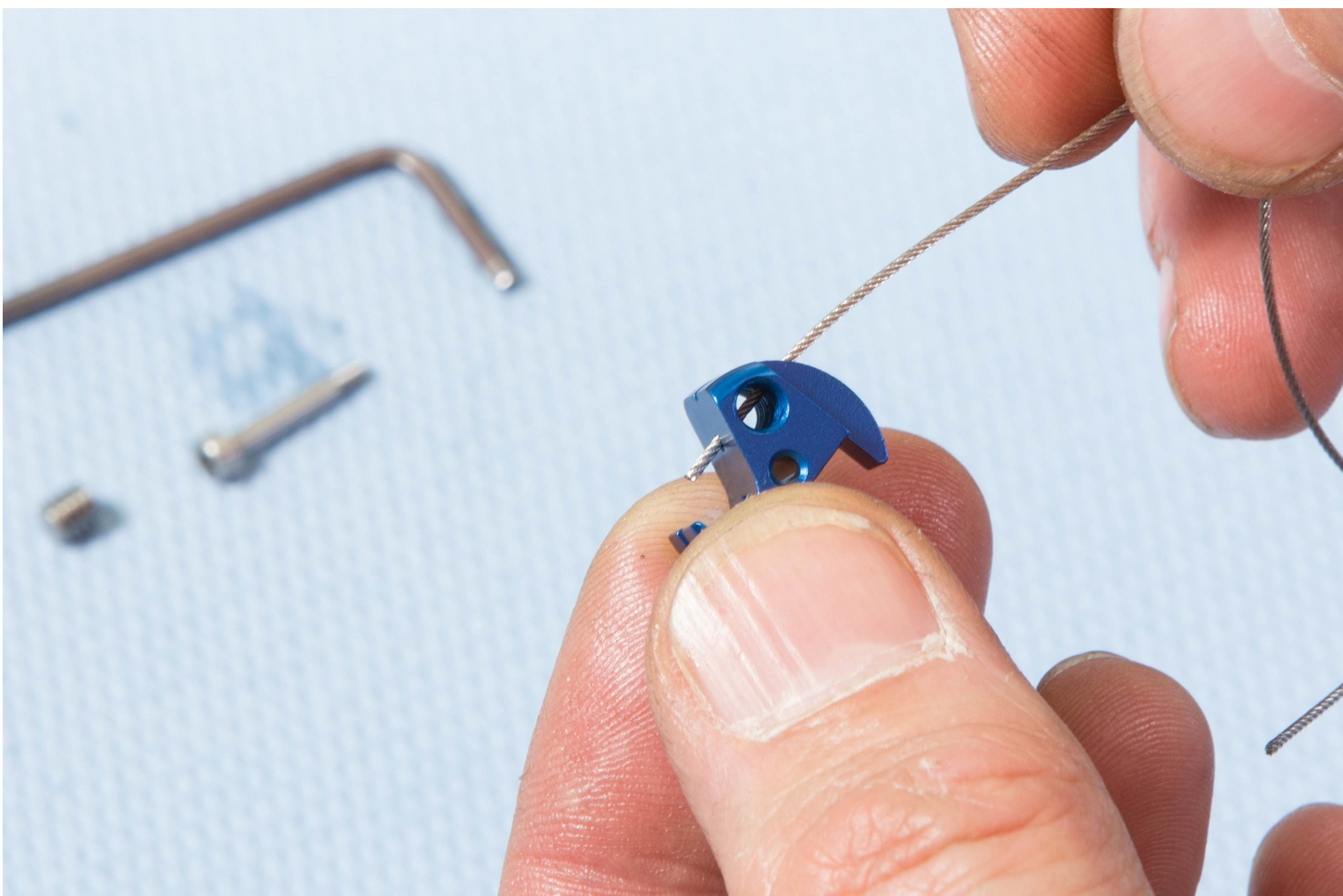
step 5

- Remove the 4mm grub screw with a 2mm Allen key



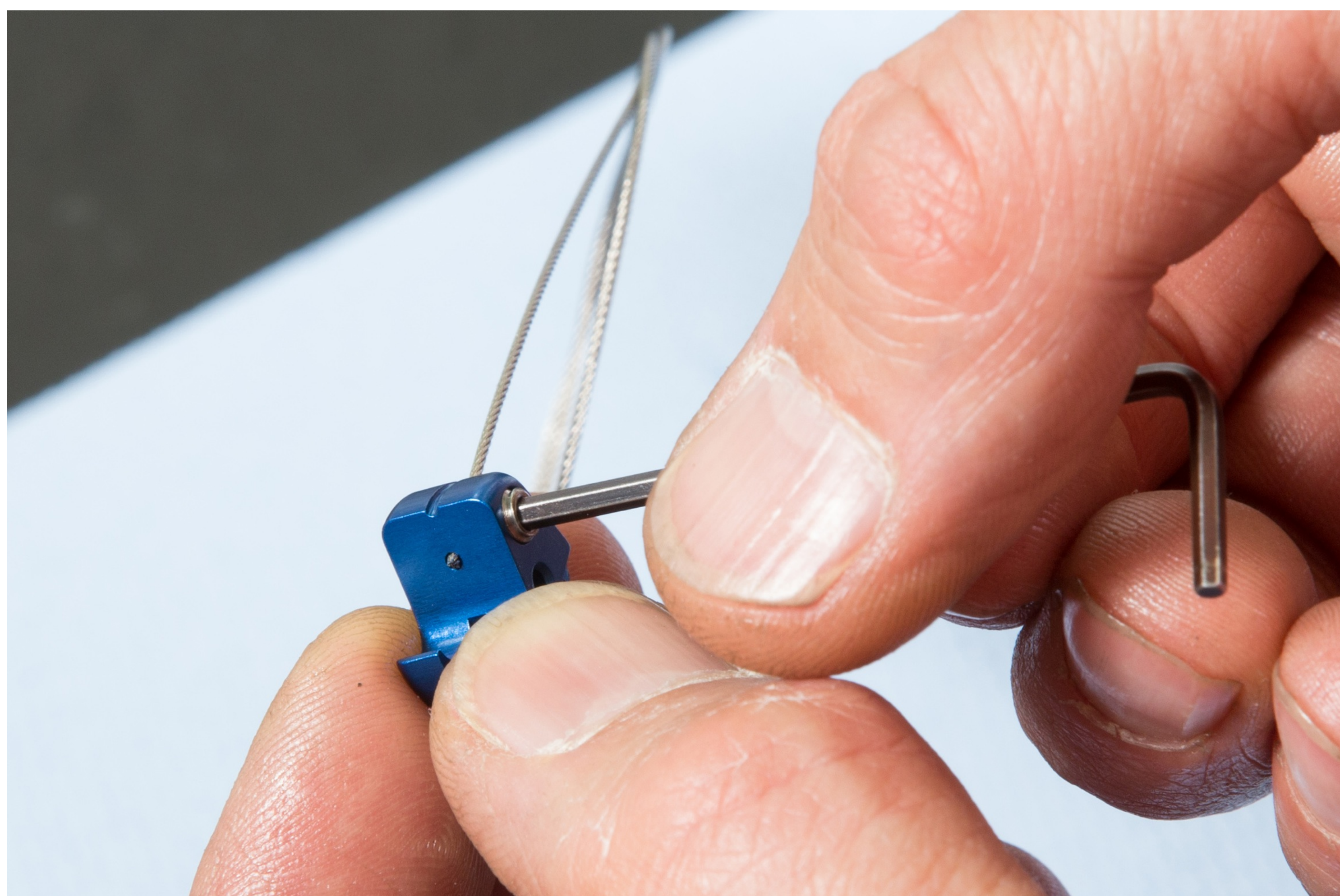
step 6

- Get the new cable



step 7

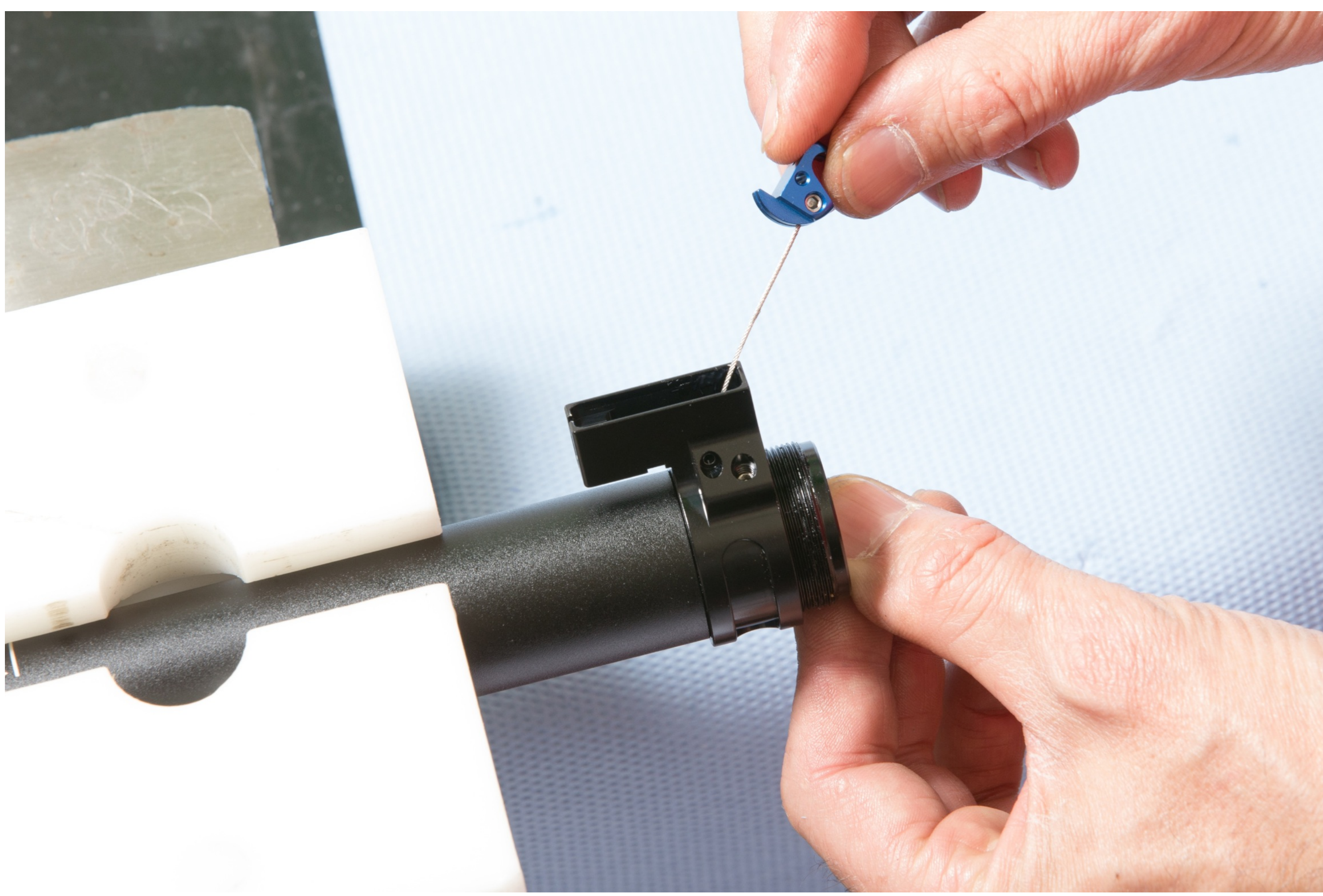
- Thread cable through both holes



step 8

- Tighten the grub screw to approx. 3Nm (excessive force may damage cable)  
Leave max. 1mm excess cable as in photo.





step 9

- Drive the inner cable through the Actuator Collar Box



step 10

- Carefully reposition the blue rocker aligning it with the pivot axle



step 11

- Tighten screw at 2Nm