

## Greasing the X-axis (Camera axis) on a DW 3Series/7Series

You will need:

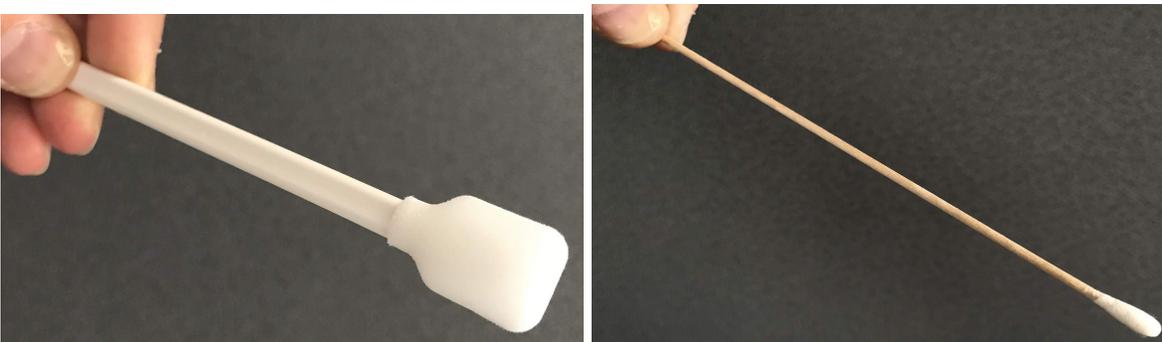
- 2mm, 2.5mm, and a 3mm hex tool for these screws.



- Grease, either white-lithium or a form of silicone grease.



- A Q-tip, or foam applicator (longer is better).

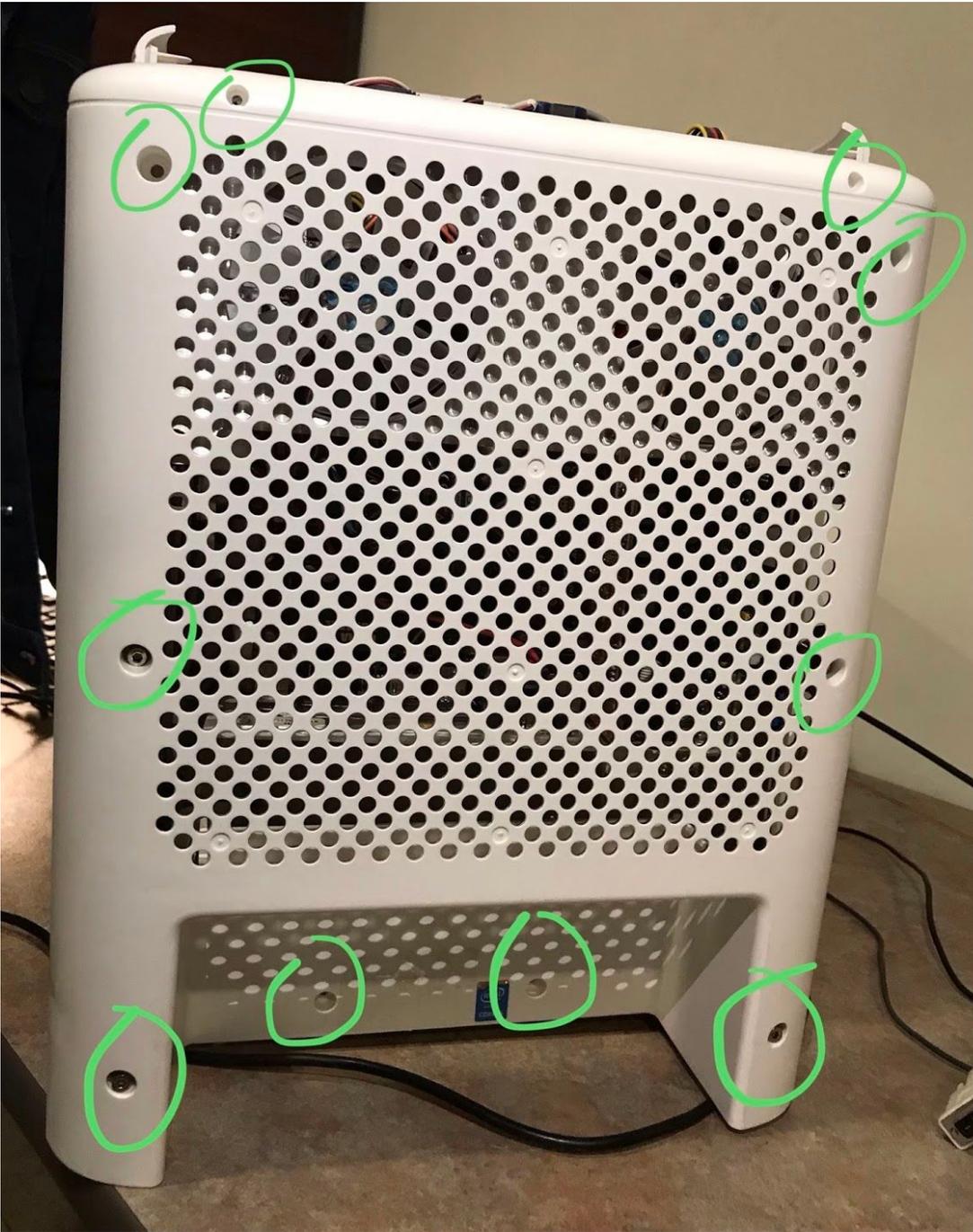


First, you'll want to make sure the that the scanner is properly shut down and turned off, and the keyboard, mouse, monitor, dongle, and network port connections are disconnected from the bottom of the back of the scanner.

1) Unscrew top four hex screws, using a 2.5mm Hex.



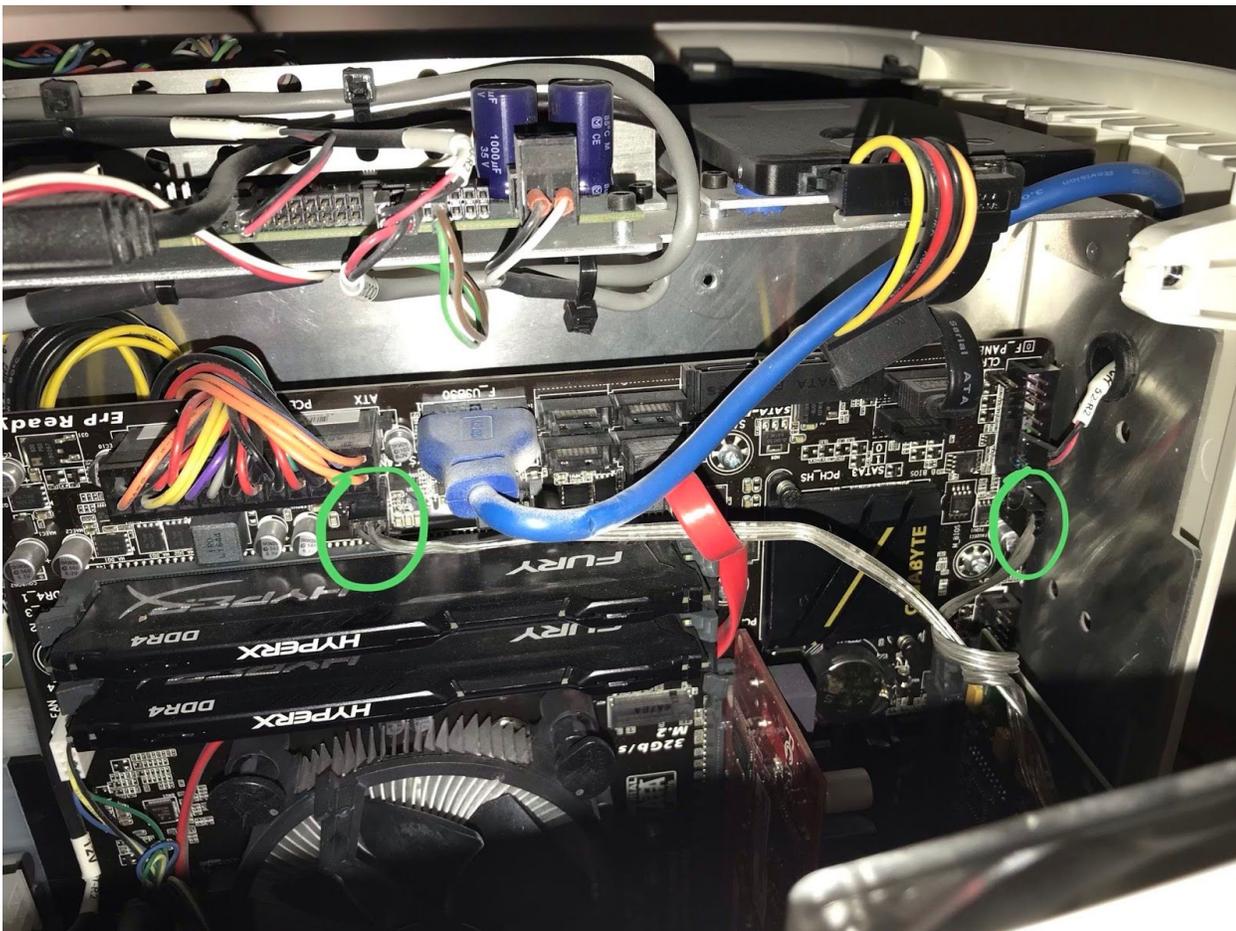
2) Remove 8 hex screws pictured below.



3) Open the door at front, and lift and remove the top cover.



4) Remove back plate slowly and carefully. The bottom plate where the connections will go will need to be carefully lifted down and out. There are several fans attached to the back plate of the scanner, which will need to be disconnected from the motherboard. Below are pictured the ports for both of the system fan connections, which will need to be placed back once the greasing procedure is finished.





(back of scanner plate)

5) The next steps will be detailing taking off the side panel. On the left side of the scanner (if facing the front, the right side), just underneath is a hex screw in the middle indented area of the scanners bottom cover. Remove that. The rubber legs for the scanner allow it to be set on the edge of a table, but just enough to expose that screw, without tipping the unit. Please exercise caution in this case.



6) Looking down from the top of the scanner, **loosen but do not remove** the two screws that are shown below.



7) Remove the three hex screws in the front right side of the scanner, after opening the door.



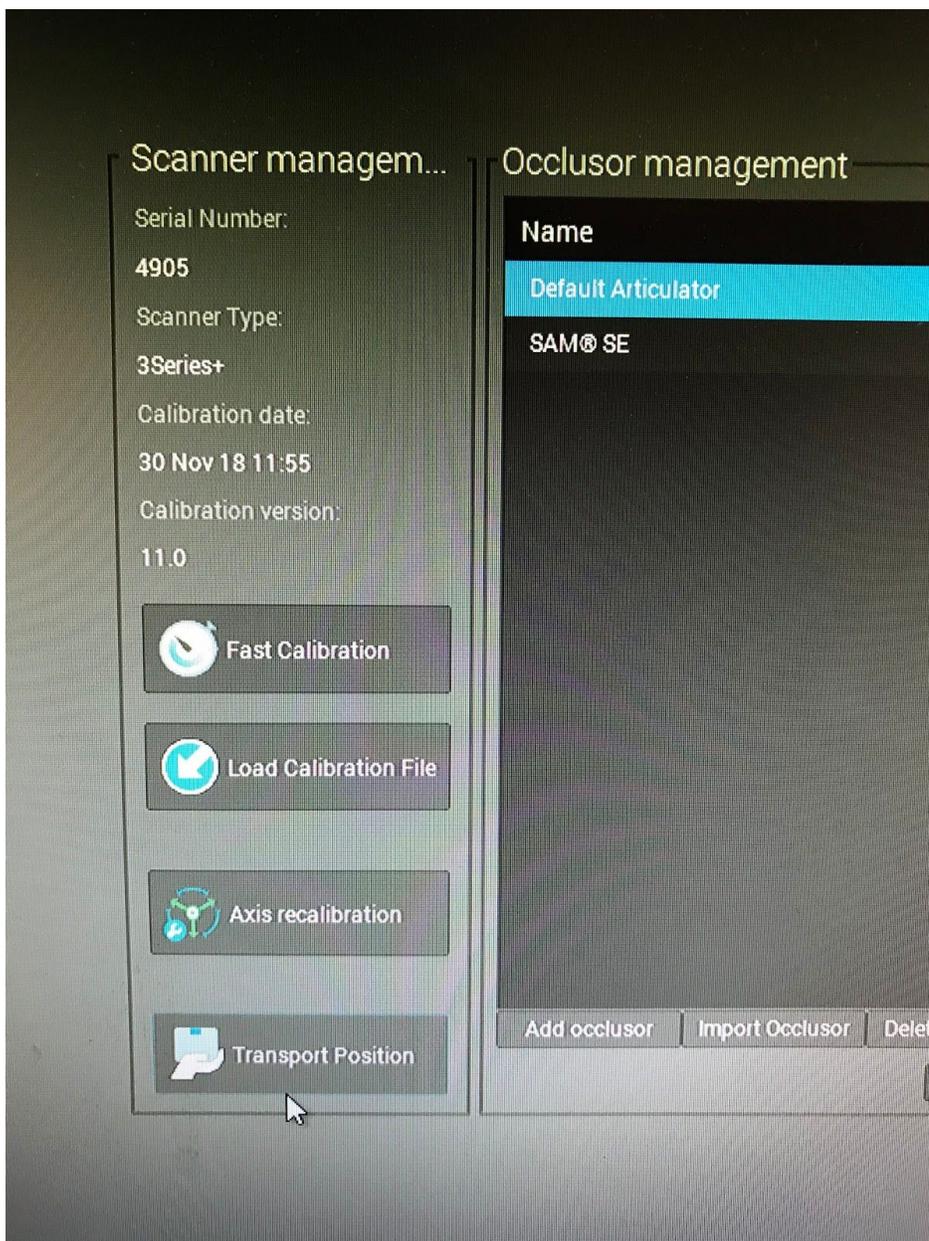
8) Remove the side cover panel. The two screws that were just loosened will allow for some room pulling the side cover panel off, but take care not to pull to hard.

9) After the panel is removed, the X-axis will be exposed. The upper rail, lower rail, and middle lead screw are pictured below. These three points are what will need to be greased. We recommend using a long-length applicator tip, such as a long Q-tip or foam applicator, for this purpose. Using a slight small amount of silicone or white lithium grease should be sufficient.



10) Though the back panel is removed, the scanner can be turned back on and utilized fine (the fans provide air flow to the back of the PC, which is not needed if the back panel is off). The power cable, USB connections, and dongle will need to be plugged back in for the next step.

11) Going into the DW software, go to Settings → Calibration, as in the below screenshot. Once there, clicking on axis recalibration will shift the X-axis to the left side, and the transport position will shift it to the right. This will help distribute grease, as well as provide more room for applying grease on areas which require it more. Applying grease multiple times and having the X-axis moved back and forth repeatedly is sometimes necessary. (Unfortunately, the axis cannot be moved manually).



12) Once done, repeat the steps backwards in this guide for replacing the covers back on to the scanner. Please remember to also reconnect the plugs for the fans back to the motherboard, as shown in step 4 above. If you have any questions, please let us know and we will be happy to assist!

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