

**SUBJECT: KEYENCE LENS REPLACEMENT**

At some point in time the lens of the Keyence Laser scanner may become so dirty or scratched it will have to be replaced. If the lens is replaced, a recalibration of the laser bumper must be performed or the unit may not function properly.

Step	Description
1.	Even very small particles of pollution on the lens or inside the unit may affect its performance.  Perform this procedure in as clean an environment as possible. Be careful to only touch the edges of the lens with your bare hands. Oil from your hands could cause the unit to not function properly.  We recommend that clean gloves be worn to minimize dirt affecting the performance of the lens.
2.	Remove the Webb protective guarding around the unit so you can access the lens screws.
3.	Clean the unit so no pollution will get into the connector or behind the lens.
4.	Remove the four screws holding the lens in place.
5.	Use a small screwdriver to gently pry the lens away from the base unit on each side of the device. There is a notch on each side of the lens in which to place the screwdriver.
6.	Remove the gasket material.
7.	Gently pull away the lower lens from the unit.
8.	Perform steps 2 through 7 in reverse order to install the new lower lens, gasket and main lens.
9.	Using the SZ Configurator software, calibrate the unit using the new lens. See following page for procedure. →

Depending what version of SZ Configurator software you are using, you may not be able to calibrate the unit.

If you launch the SZ Configurator software, under the “Communications (C)” pull-down window you should see the “Window calibration (W)” option. If you do not see the “Window calibration (W)” selection follow these steps to install the option.

Step	Description
1.	Launch the SZ configuration software.
2.	Check and note the version of SZ configurator software. (Refer to the “Help” menu)
3.	Close the SZ configurator software.
4.	Double click on the “registration” file to execute it. At the time of this printing the filename was “registration.vbs” but check with either your supervisor or Webb just in case the file was updated.
5.	Input the version from step 2 and click OK. The registration file will install the option in the software.
6.	Launch the SZ configurator software.
7.	At the “Communication (C)” pull-down menu, “Window calibration (W)” now shows up and is selectable.
8.	Connect the PC and SZ laser bumper via USB cable.
9.	Go to “Communication (C)” pull-down menu and choose “Window calibration (W)”. Window calibration is executed.