

How to Fix Generator when Source is Turned Off

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- First, make sure that goniometer is in its zeroed position
- Exit out of **APEX2**
- Exit out of **BIS**
- Make sure both **APEX2** and **BIS** are closed!
- Open up **D8 Tools**
- Click *Online Status*
- Then click computer icon (bottom left section of icons) to connect to instrument
 - Icon stands for: Online Refresh On/Off
- Error messages should be displayed in **red**
- In the left-hand section, click on: *X-ray generator* to expand section
- Then click on: *X-ray software safety circuit capture*
- There should be errors displayed in the right-hand window
- On File Toolbar: Utilities: X-ray: **reset x-ray software safety circuit capture register**
- The warning lights should now be gone.
- Turn off X-ray diffractometer by pressing **red** button on side column
- Leave off for 5 minutes
- Turn back on machine with **green** button on side column
- Turn and hold (clockwise) the high voltage switch for 10 seconds
- The generator should now be turned on and everything should be working
- Go back into **D8 Tools** to make sure there are no more warnings or errors