

TECHNOTE 1.0.0

Adjustment. Switch S1 and S2.

- 1.) Remove tube assembly from goniometer
 - a. Two bolts on the side of stand
 - b. Place on table top with monochromator facing up
- 2.) Remove monochromator
- 3.) Remove shutter cover assembly
 - a. Watch the spring and piston on shutter does not fly off
- 4.) Remove shutter
- 5.) Disassemble shutter
- 6.) Reassemble shutter without spring or pin
- 7.) Replace shutter assembly
- 8.) While holding shutter in closed position remove the shutter cover assembly
- 9.) Mark the position of the closed shutter
 - a. Keep shutter in closed position at the position that you have marked
 - b. Mark the current position of S1 and S2.
- 10.) Start D8 tools and goto offsets and find left door S658 0=closed 1=not
- 11.) Open left door
- 12.) Adjust the top switch S1 out until the offset reads 0=closed
- 13.) Now Adjust the top switch in until the offset reads 1=not closed
- 14.) Find the offset in D8 tools for the S1 and S2 switches (OK or not OK)
- 15.) Move the bottom switch (S2) out until you see not OK
- 16.) Now move the switch in until you see OK
 - a. The trick is not to over adjust S1 and S2 which will cause the shutter to stick
 - b. It may take a few adjustments before S1 and S2 are in the correct positions.
- 17.) Remove the shutter and reassemble the shutter assembly and place it back in the tubing
- 18.) Replace monochromator and place the tube housing back on the goniometer.
- 19.) Exercise shutter