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### Sensor Adjustment

1. Remove the carriage cover. (See Fig. 1)
2. Put a pen in the carriage and turn the machine on. Make sure there is paper in the plotter.
3. Move the carriage over approximately 12"
4. Put the force knob (On the keypad of the plotter) to 1:00.
5. Hit the "Sensor Test" button. The pen will draw two lines (See Fig. 2)
6. Each time the sensor passes over the marks, you should hear a "Beep". If you hear a beep every time, the sensor is already adjusted. If there is NO beep, proceed to step 7.
7. Locate the sensor screw (See Fig. 1). While the test is still running, loosen the screw so the sensor can be moved up and down.
8. Move the sensor up or down until you hear the Beep. The light emitting from the sensor onto the paper should look like the drawing in Fig 3.
9. If you have performed this test and still can't hear the Beep, It is possible that the Beeper on the logic board has failed. To verify this, run a marker plot to see if the sensor reads the mark for a frame advance.
10. If it still doesn't read, contact Ioline Technical Support at (425) 398-8282, or E-Mail us at [techsupport@ioline.com](mailto:techsupport@ioline.com)

Fig. 1 - 600Ae Carriage Assembly

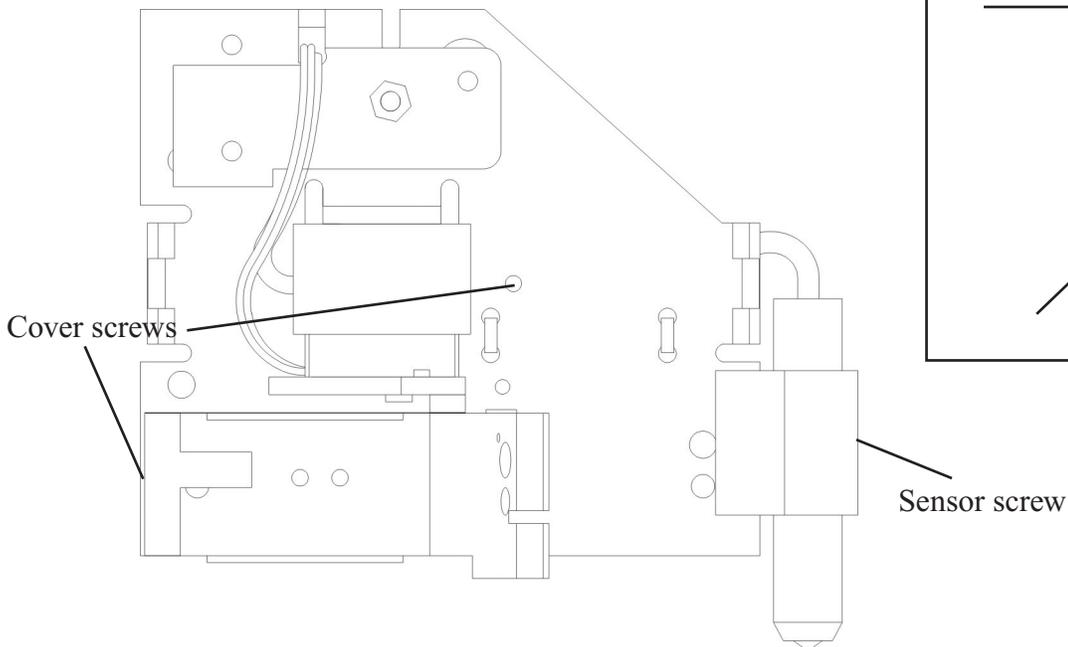


Fig. 2 - Sensor Mark

