



1. Remove the top dust cover (2 screws).
2. Remove the pen tray carrier.
3. Power up plotter; when the self-test sequence reaches the point where all yellow indicator lights are on, press and hold the plotter's ALT and RESET keys simultaneously to enter the diagnostic mode.
4. Using the 6 key, move the pen carriage to the right end plate. Press the 0(slow) key. Press the 6 key again and "bump" the end plate, confirming that the pen carriage has reached its extreme limit of travel. The ALT indicator light should be off (the optical switch is blocked by the position tab on the Y-axis drive belt).
5. Press the VIEW key once. The pen carriage should move approximately 1/2 inch to the left. Adjust the optical switch by loosening the mounting screw and moving the switch back and forth - holding it to maintain centering in the Y-axis drive belt - until the switch is at the exact point where the ALT indicator light goes on. Tighten the mounting screw and verify that the switch does not touch the belt on either side.
6. Test the adjustment by moving the pen carriage into the end plate with the 6 key (ALT indicator is off); then press the VIEW key. If the ALT light is on, press the 4 key one step at a time; the light should go off in four or fewer steps. If not, readjust the position of the limit switch.
7. If you cannot adjust the optical limit switch to within four steps of either arrow key (with plotter in slow mode, see step 4, do not attempt to bend the bracket switch to adjust further. Adjust as close as possible, then exit the test mode by pressing the RESET key or turning the power off and back on. Then, test the multi-pen operation by installing the pen tray carrier and requesting pen changes. If the pen carriage does not line up properly with the pen stalls, further repairs will have to be made. You should contact one of our authorized service centers for repairs.