

In most cases, the following causes baseline text to shift vertically (y-axis) using a normal lower left orientation:

- Loose y-axis drive belt.
- Loose y-axis motor gear.
- Ceased y-axis transmission bearings.
- Ceased carriage wheel bearings.
- Defective servo motor encoder.

Try the following to solve:

1. Tighten carriage drive belt.
2. Clean the traverse rods with alcohol and a clean cloth.
3. Carriage wheel bearings will sometime cease after extended use of the plotter.
 - Remove carriage-backing plate.
 - Remove the carriage from the traverse assembly of the plotter.
 - Make sure that the wheels rotate freely.
 - Replace the bearings and wheels if damaged.
4. Check pinion gear on the y-axis motor to assure the setscrews are fastened properly.
5. Check y-axis transmission bearings and gears for wear or damage.
6. Check the y-axis transmission to assure the gears are meshing properly.

