

Adjustments

HP DeskJet 6xx Printers

Overview

A properly adjusted mechanism provides optimum print quality without impacting the media handling capability of the printer. Print quality improves as the nozzles come closer to the paper. If the print cartridge is positioned too close to the media, however, the printer may experience paper jams, print skew, or print smear.

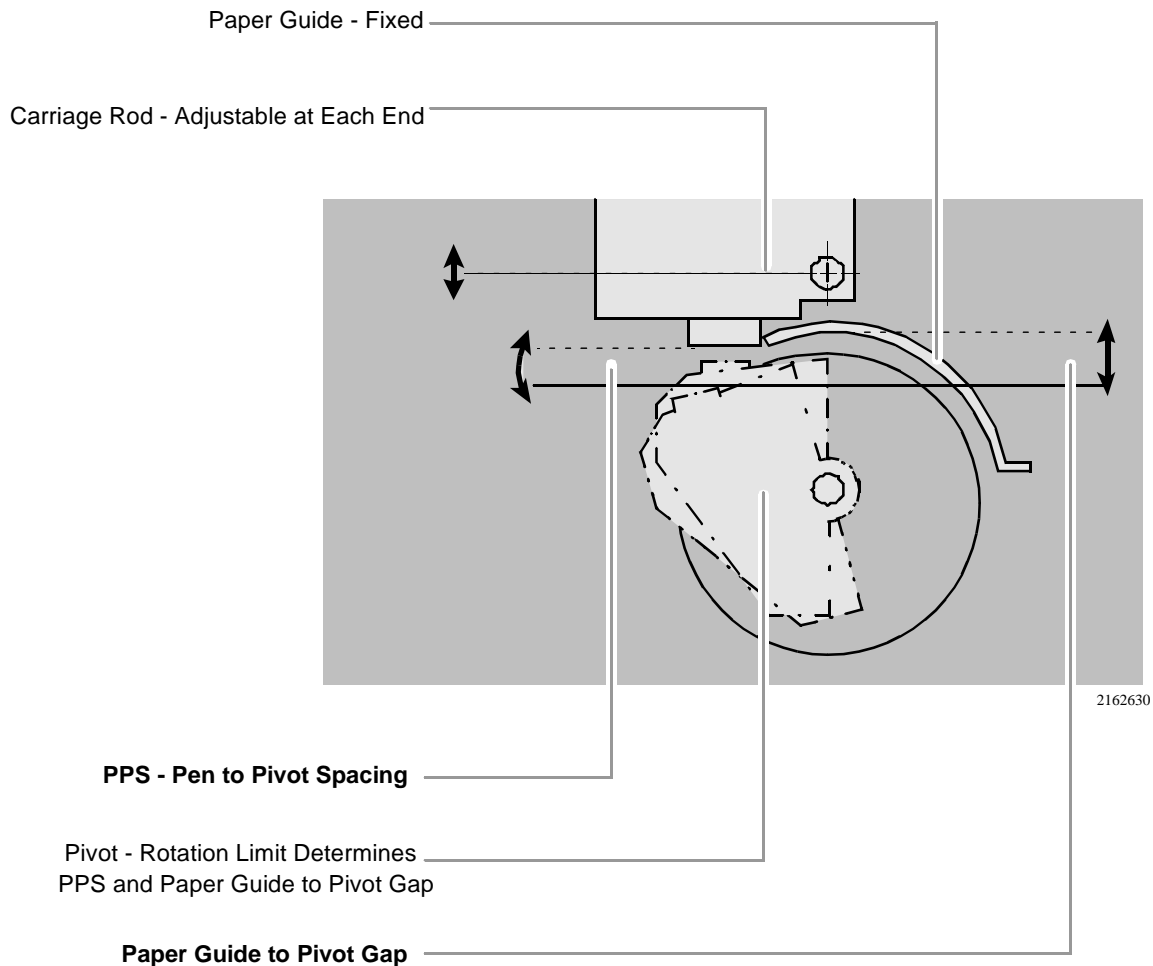


Figure 1. Description of Adjustment Checks

Checking the Pen-to-Pivot Spacing (PPS)

The pen-to-pivot spacing (PPS) verifies the proper distance between the pen (PPS Measure Tool) and the pivot cockle ribs. The proper PPS distance is between 28 and 58 mils. The setting is impacted by the rotation limit of the pivot assembly and the height of the carriage rod. When adjustment is necessary, always try to pull the PPS into tolerance by first setting the pivot rotation limit using the pivot adjuster. If the spacing cannot be obtained by the pivot adjuster, then adjust the carriage rod by installing the carriage rod adjustment tools on both ends of the mechanism.

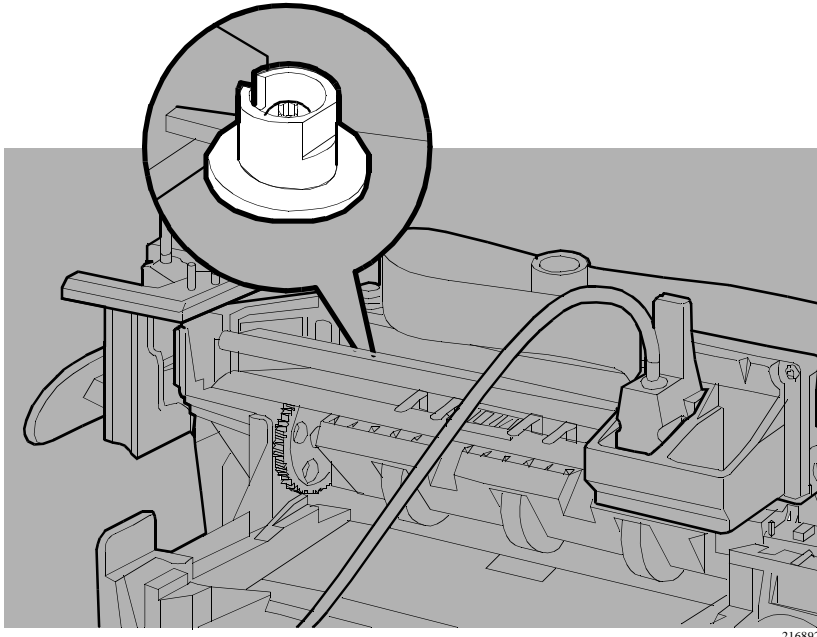


Figure 2. Adjusting the Pen-to-Pivot Spacing with the Pivot Adjuster

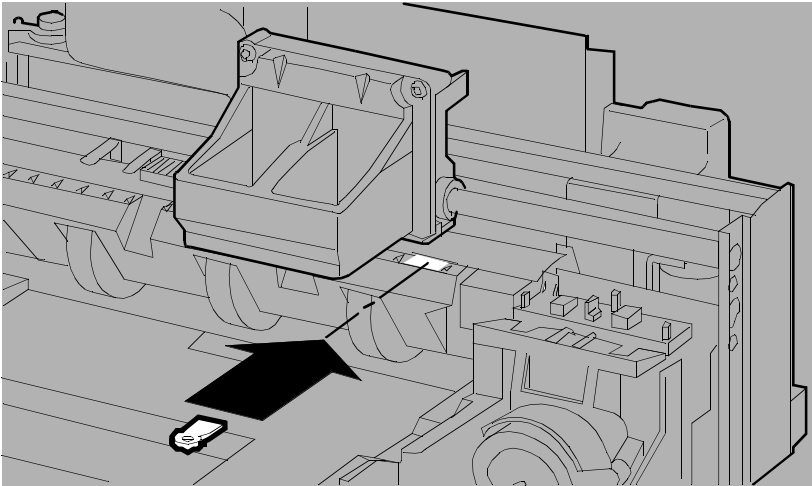
Checking the Paper Guide-to-Pivot Gap

With the pen-to-pivot spacing between 28 and 58 mils, check the paper guide-to-pivot gap. The paper guide-to-pivot gap determines the distance between the paper guide (which is fixed) and the pivot when in the normal printing position (printing on paper and transparencies).

A shim is placed between the paper guide and the pivot. The difference between the reading on the Readout/Controller with the shim in place and removed should be between 15 and 35 mils. If the difference is less than 15 or greater than 35 mils, rotate the pivot adjuster to bring the difference between 15 and 35 mils.

Note

Adjusting the paper guide-to-pivot gap affects the pen-to-pivot spacing. Check the pen-to-pivot spacing after any paper guide-to-pivot gap adjustment.



2168905

Figure 3. Inserting the Shim Between the Paper Guide and the Pivot

