Calibrations

Calibrations

The following Calibrations can be performed on the printer:

1 Accuracy Calibration (performed by Repair Center) $\Rightarrow$ Page *3*

The Accuracy Calibration needs to be performed whenever:
- Banding is detected in printed images.
- The Feed Roller Assembly is disassembled **or** replaced.
- The Paper-Axis Motor Drive Assembly is disassembled **or** replaced.
- The Encoder Disc is removed **or** replaced.

2 Printhead Alignment $\Rightarrow$ Page *5*

The purpose of the Printhead Alignment is to correct the alignment between the printheads in order to prevent color misalignment and print quality defects like banding. Normally he Printhead Alignment is launched automatically after a Printhead has been replaced. The Printer prints the Printhead Alignment page and scans the pattern on the page in order to align the printheads.

Accuracy Calibration

> **The Accuracy Calibration should ONLY be performed at the Repair Center when required.**

The Accuracy Calibration needs to be performed whenever:
- Banding is detected in printed images.
- The Feed Roller Assembly is disassembled **or** replaced.
- The Paper-Axis Motor Drive Assembly is disassembled **or** replaced.
- The Encoder Disc is removed **or** replaced.

> **Make sure that you use hp Glossy Paper in order to perform the Accuracy Calibration.**

Perform the Accuracy Calibration as follows:

1 Load an A3/B-size sheet of hp Glossy Paper on the input tray.

2 To manually print the Accuracy Calibration, hold the power button down and press the cancel button **once** and the resume button **once**.

To Print the Accuracy Calibration

Press Cancel button **once**

Hold Power Button   Press Resume button **once**

3 Once the Accuracy Calibration has been printed, rotate the page and reload it upside down (image facing down).

4 To scan the Accuracy Calibration, hold the power button down and press the cancel button **once** and the resume button **four times**.
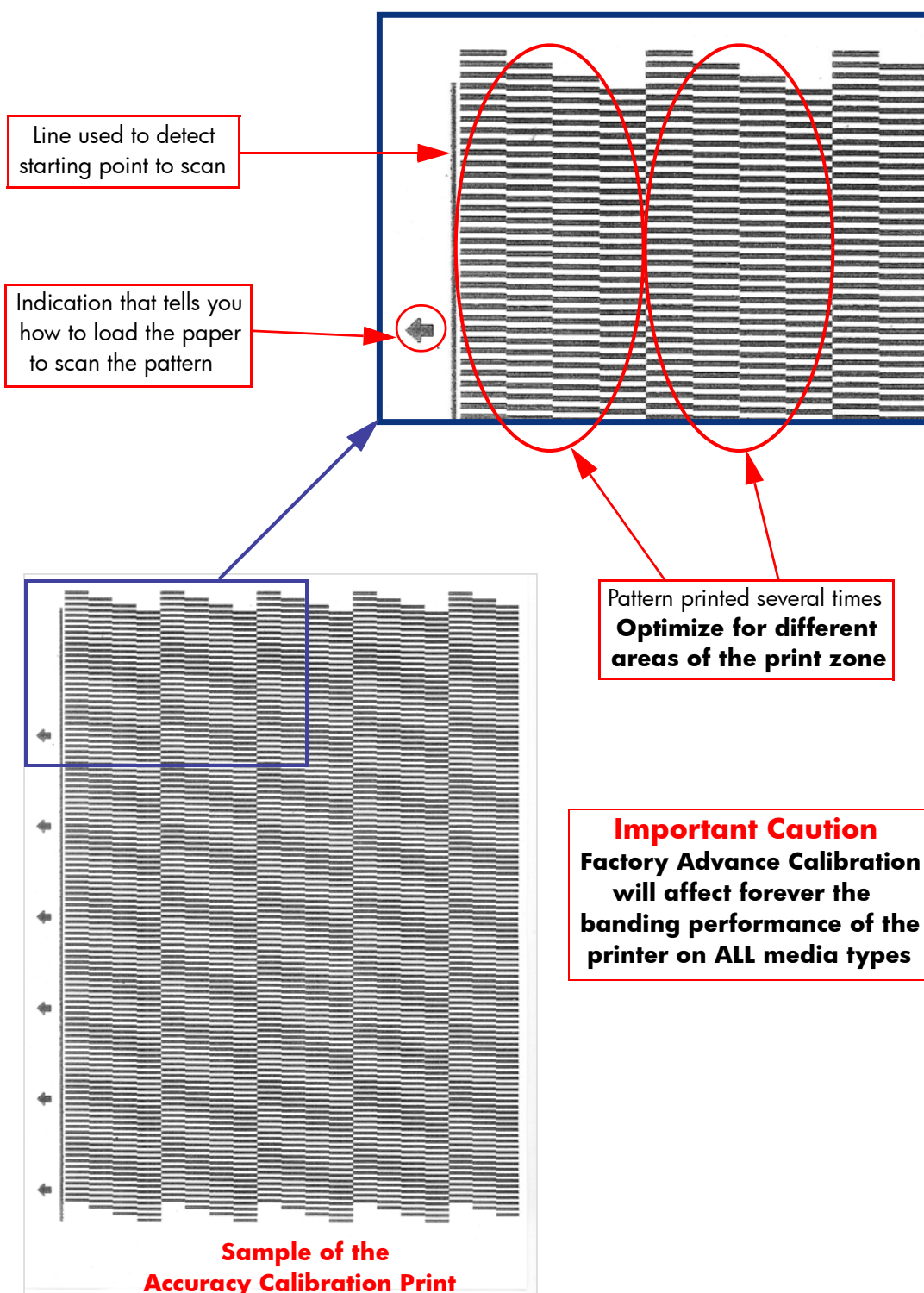
To Scan the Accuracy Calibration

Press Cancel button **once**

Hold Power Button   Press Resume button **four times**

Line used to detect starting point to scan

Indication that tells you how to load the paper to scan the pattern

Pattern printed several times
Optimize for different areas of the print zone

Important Caution
Factory Advance Calibration will affect forever the banding performance of the printer on ALL media types

Sample of the Accuracy Calibration Print

Printhead Alignment

The purpose of the Printhead Alignment is to correct the alignment between the printheads in order to prevent color misalignment and print quality defects like banding. Normally he Printhead Alignment is launched automatically after a Printhead has been replaced. The Printer prints the Printhead Alignment page and scans the pattern on the page in order to align the printheads.

If the Printhead Alignment fails, print the information page and check the list of warnings under the printer status section.

To manually launch the Printhead Alignment, hold the power button down and press the resume button **three times**.

Hold Power Button

Press Resume button three times

Pattern for Bidirectional compensation and directionality on Scan-Axis

To calibrate the sensors

Pattern for directionality on Paper-Axis

Sample of the Printhead Alignment Page

Test Result

✓ **Pass**   ✗ **Fail**

hp designjet 70, 100, 100plus and 110plus printer service manual