

Cleaning the ZD411D Printhead

Clean the printer's printhead often to maximize print quality and printer life.

Always use a new cleaning pen on the printhead (an old pen carries contaminants from its previous use that may damage the printhead).



CAUTION—HOT SURFACE: The printhead becomes hot while printing. To protect from damaging the printhead and risk of personal injury, avoid touching the printhead. Only use the cleaning pen to perform printhead maintenance.



CAUTION—ESD: The discharge of electrostatic energy that accumulates on the surface of the human body or other surfaces can damage or destroy the printhead and other electronic components used in this device. You must observe static-safe procedures when working with the printhead or the electronic components under the top cover.

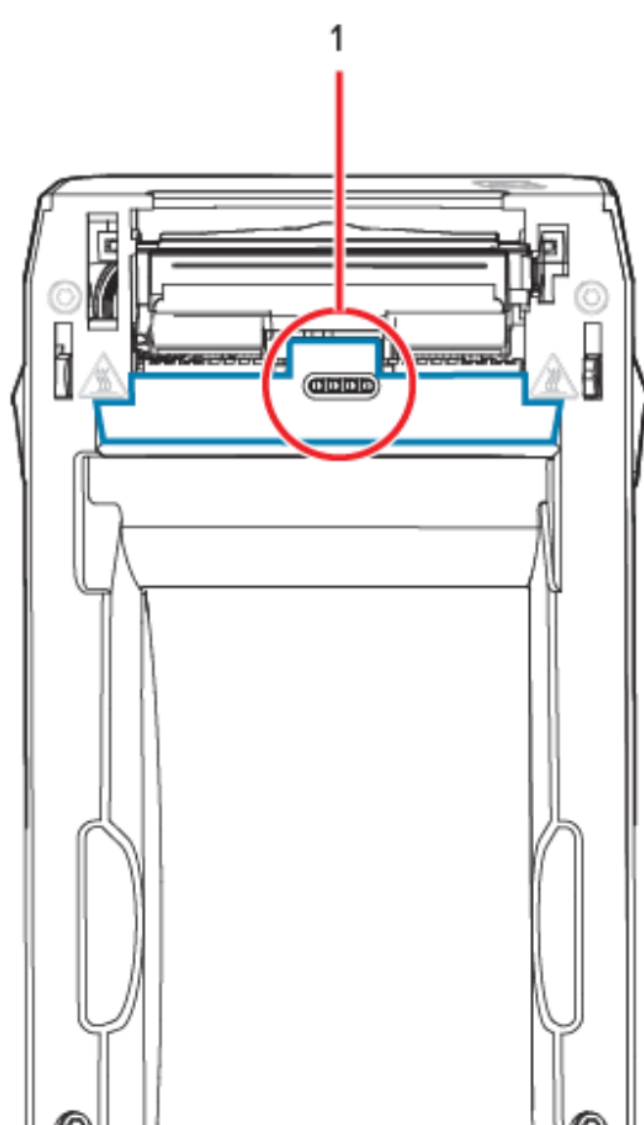


NOTE: When you load new media, you can also clean the printhead.

The printer is open for replacing the media roll or performing printer service.

Maintaining the Printer

- Wipe the areas (outlined in blue) to remove adhesive and other contaminants. Do not clean the sensor array (1).



Cleaning the Cutter Option

This procedure is a continuation of cleaning the media path for printers with a cutter option installed.

The plastic media path surfaces can be cleaned but not the internal cutter blades or mechanism.



IMPORTANT: The cutter blade mechanism does not require maintenance cleaning. DO NOT clean the blade. This blade has a special coating to resist adhesives and wear.



WARNING: There are no operator serviceable parts in the cutter unit. Never remove the cutter cover (bezel). Never attempt to insert objects or fingers into the cutter mechanism.

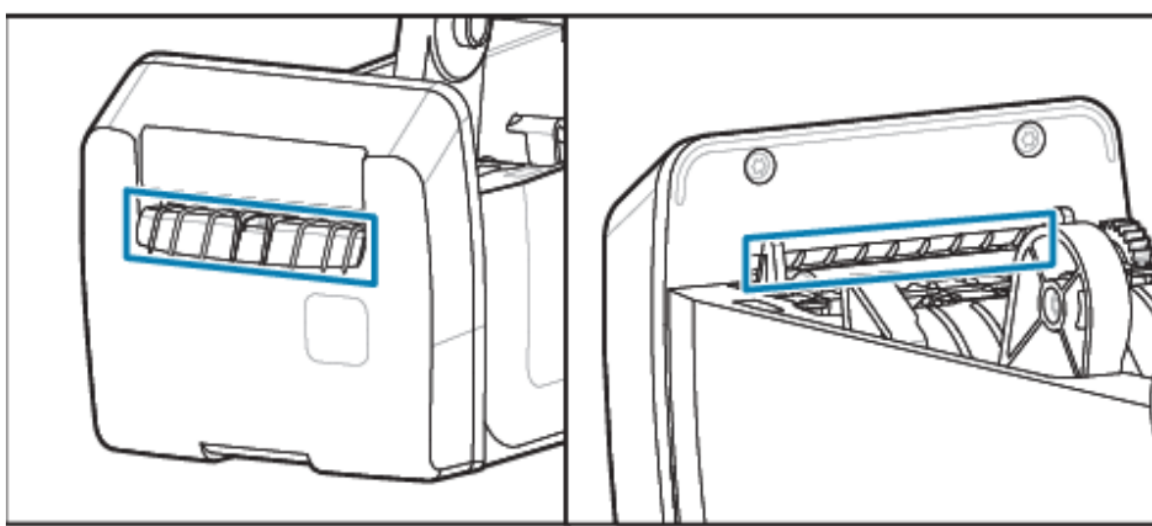


ATTENTION: Using un-approved tools, cotton swabs, solvents (including alcohol), etc. all may damage or shorten the cutter's usable life or cause the cutter to jam.

- Wipe the ridges and the plastic surfaces of the media entry (inside) and exit slot (outside) of the cutter. Clean inside the areas outlined in blue.

Maintaining the Printer

- Repeat as necessary to remove any adhesive or contaminant residue after it dries.



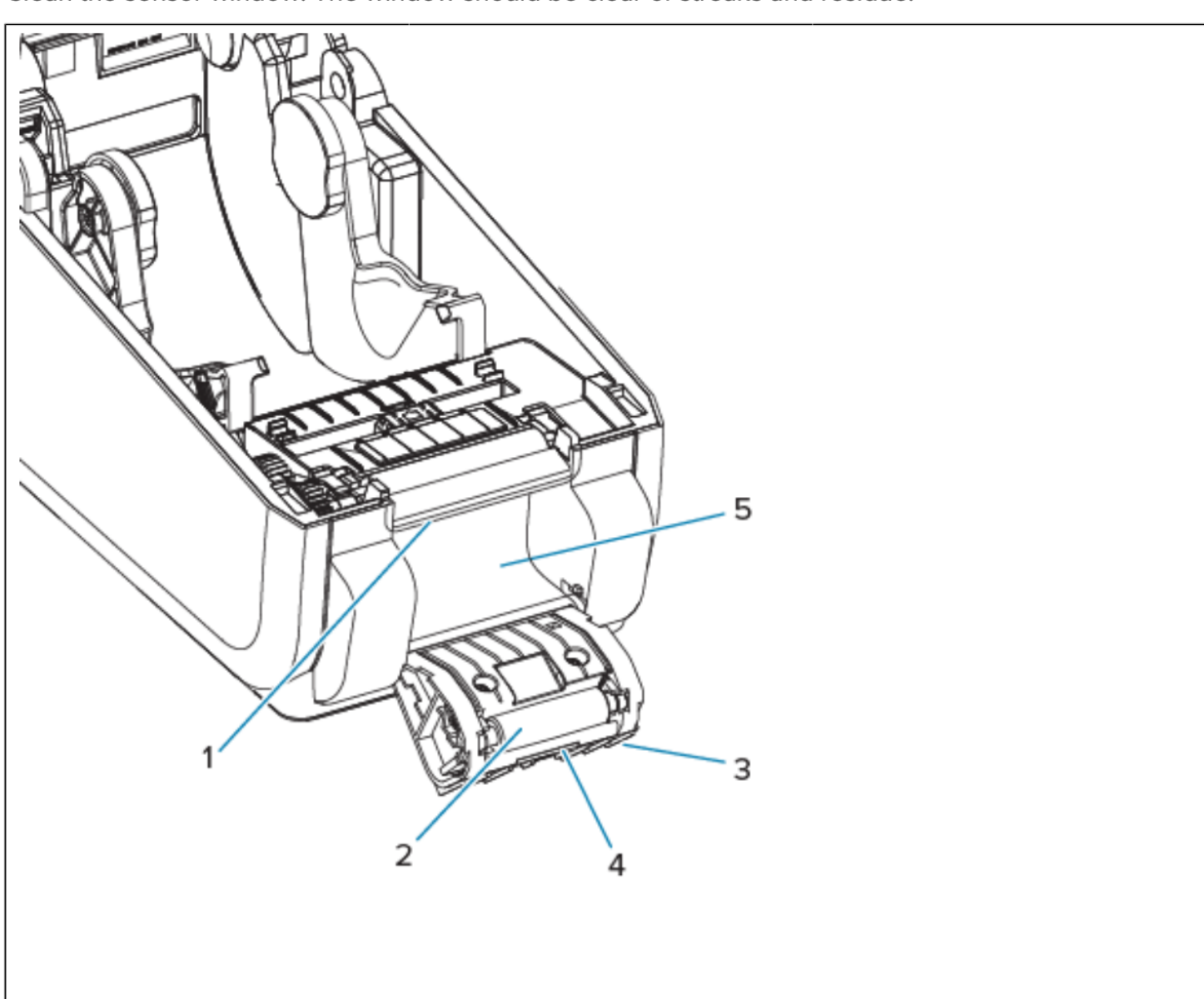
Cleaning the Label Dispenser Option

This procedure is a continuation of cleaning the media path for printers with a label dispenser option installed.

- Open the door and clean the peel bar, inner surfaces, and ridges on the door.
- Wipe the roller while rotating it. Discard the swab or cloth.
- Clean the roller again with a new swab or cloth to remove diluted residue.

Maintaining the Printer

- Clean the sensor window. The window should be clear of streaks and residue.



1 — Peel Bar	2 — Pinch Roller	3 — Ridges
4 — Label Taken Sensor	5 — Inside Wall	

Sensor Cleaning

Removing dust (normally) cleans these sensors.

Dust can accumulate on the media sensors. Blow or gently brush dust away while a soft cloth.

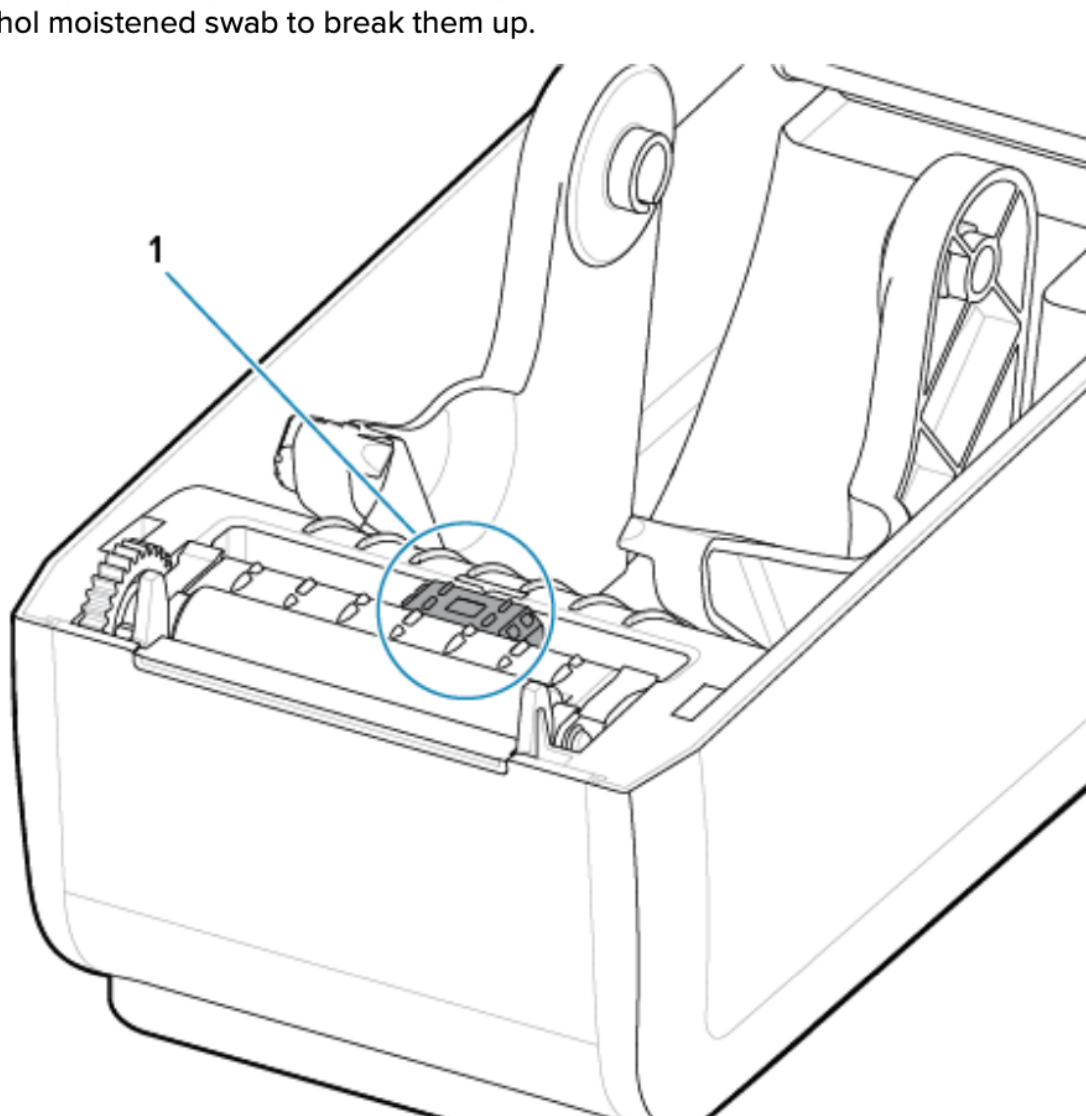


IMPORTANT: Do not use an air compressor to remove dust. Compressors add moisture, fine grit, and lubricant which can contaminate the printer.

Adhesive particles and airborne substances can cover or coat the optical components in non-typical use media and operating environments.

Maintaining the Printer

- Clean the Movable Sensor's window (1). Gently brush away dust or use a can of compressed air; if necessary, use a dry swab to brush away dust. If adhesives or other contaminants remain, use an alcohol moistened swab to break them up.



- Use a dry swab to remove any residue that may be left from the first cleaning.
- Repeat steps 1 and 2 as required until all residue and streaks are removed from the sensor.

Maintaining the Printer

- Spray the Upper Web (Gap) Array Sensor (1) below the printhead with a can of compressed air. If necessary, use an alcohol moistened swab to break up adhesive or other non-dust contaminants. Use a dry swab to remove any residue that may be left from the first cleaning.

