# Routine Maintenance for a Lemur-Z

Routine maintenance should be done a minimum of once a year but may be done more frequently depending on usage and environment printer is used in. The follow reviews the routine maintenance procedures.

PRINT HEAD

The thermal print head can easily be accessed for cleaning or replacement, as follows:

1. Disconnect AC cord from the power pack to turn off the printer.

2. **DO NOT UNPLUG CABLE FROM PRINT HEAD.**

3. Open the print head by push back on the Print Head lock/ cutter guard to unlock the print head. Lift up on the head mounting assembly/ thermal head and tilt back.

Print Head lock/ cutter

Head mtg. screws

Push Here
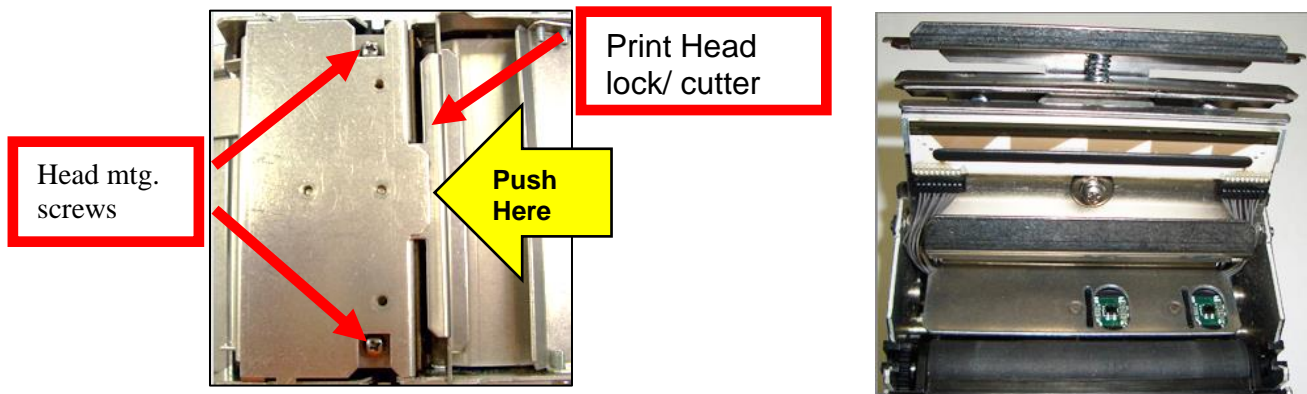
4. Clean the thermal print head surface (the side that makes contact with the paper) with isopropyl alcohol.


Clean this

5. While the print head is open move forward with cleaning the platen, sensors and cutter area (see next pages)

6. Gently lower the head mounting assembly/ thermal head and push down to lock in place. You will want to confirm the both sides of the latch are locked.

Push Down Here

Push Down Here

### SIDE VIEW OF LATCH

LOCKED
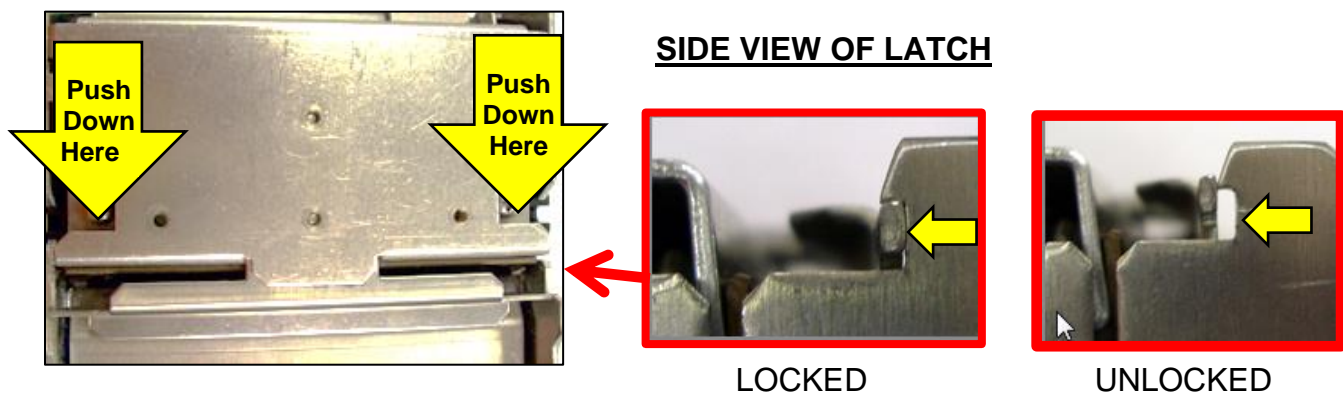
UNLOCKED

PLATEN

1. Unlock the cam lock lever, Lift up on the head mounting assembly/ thermal head and tilt back. Previous page reviews how to do this.

2. Apply a small amount of Isopropyl alcohol onto a paper towel to clean the rubber roller.

3. Clean only the part of the rubber roller where the receipt or ticket stock makes contact.

4. Rotate the rubber roller clockwise a little and repeat step 3; continue in the same manner for one full revolution of the rubber roller.

5. While the print head is open you may blow off the optical sensors if the printer has standard sensor (opto) configuration. See next page for more details.

Platen
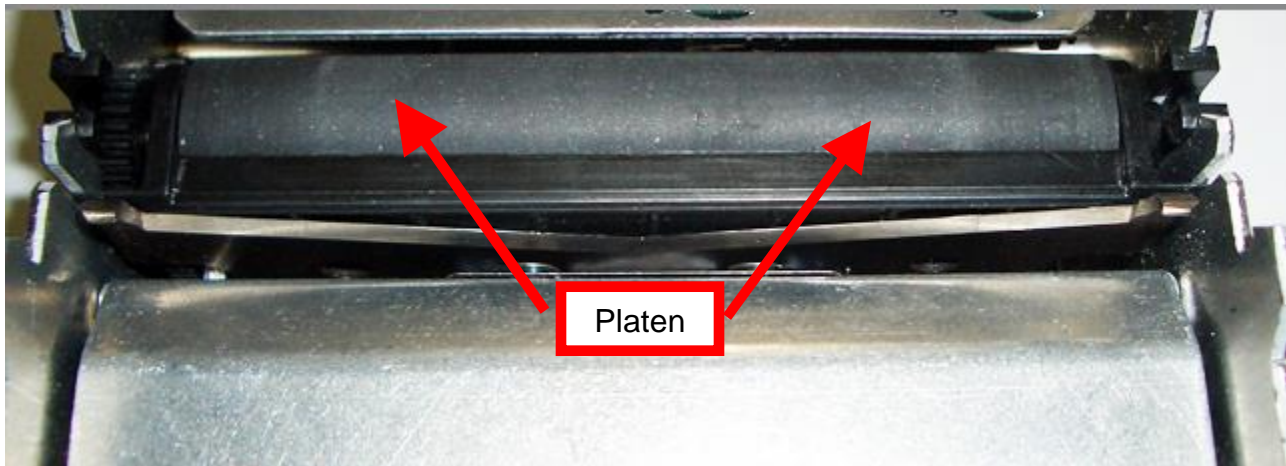
CUTTER

The cutter area should be blown out with air periodically to prevent debris from building up inside the cutter area and clean off the cutter knife sensor. The required cleaning interval varies greatly depending on the quality of the media and the amount of paper dust entering the cutter area. This is done while the print head is open.
Blow out the area highlighted in yellow.


Blow out in the yellow area
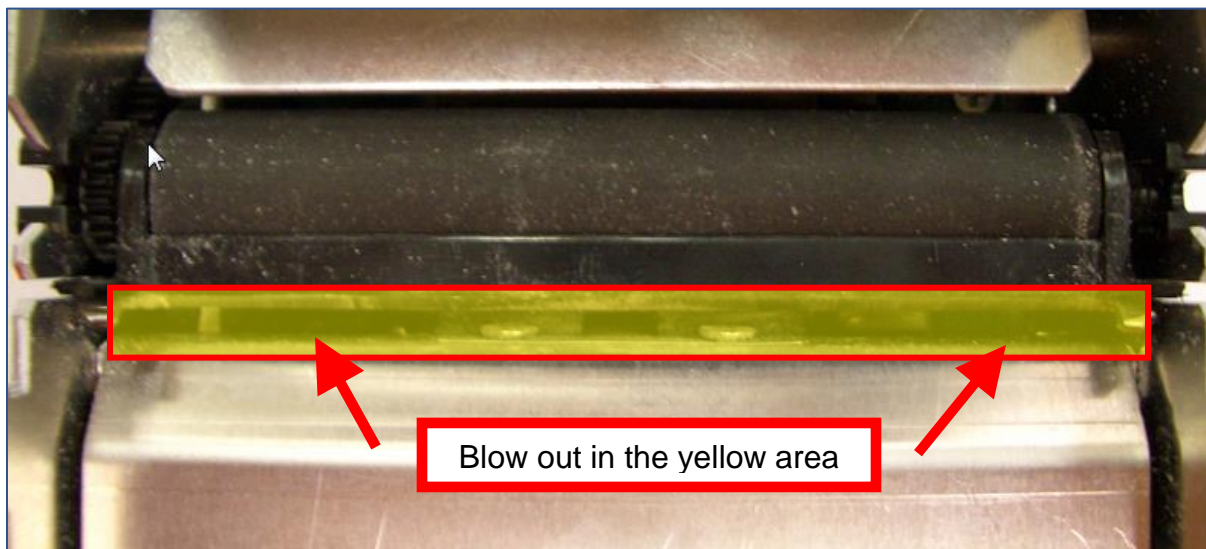
SENSORS

There are optical sensors (opto) which are responsible for detecting where the ticket stock is as all times. Printers with load opto configuration will be missing the black mark sensor.
Once the sensors have been cleaned, close the print head as shown in step #6 on the first page.

Black mark sensor

Ticket load sensor

Blow air under this plate to clean off the
Head of form/ Exit sensor

EJECT ROLLER

The eject roller may require cleaning if the printer is being used in a dusty environment or the receipt / tickets are not being presented properly due to slippage.

1. Gently pry the presenter assembly from the eject roller shaft using a flat blade screwdriver.
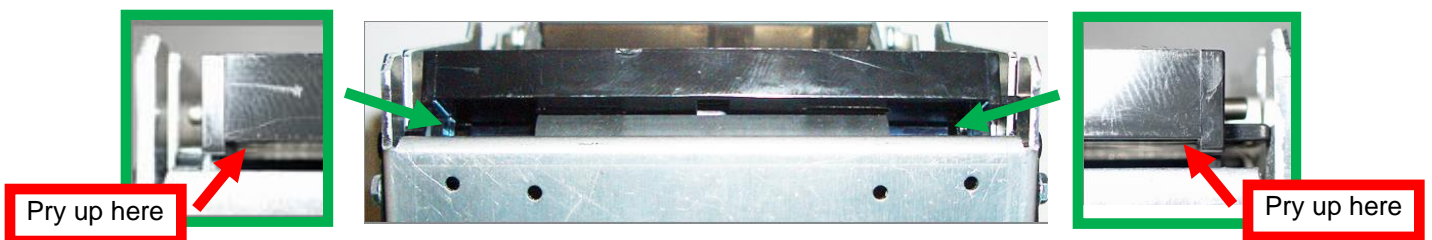
Pry up here

Pry up here

2. Apply a small amount of Isopropyl alcohol onto a paper towel to clean the rubber roller.

3. Clean the rubber roller. You will want to hold the roller is place while doing this.

Place your finger over this hole to prevent the roller from moving

Nylon washer

Rubber Roller

4. Rotate the rubber roller clockwise a little and repeat step 3; continue in the same manner for one full revolution of the rubber roller.

5. The presenter assembly may be gently snapped back onto the roller by aligning the tabs with the roller shaft and gently pushing down. Make sure the nylon washer is up against the gear and shown in above photo. The assembly should pivot freely once in place.

TAB

More detained information concerning the Lemur-Z printer may be found in the user manual.
https://bocasystems.com/documents/Lemur_Z_manual.pdf