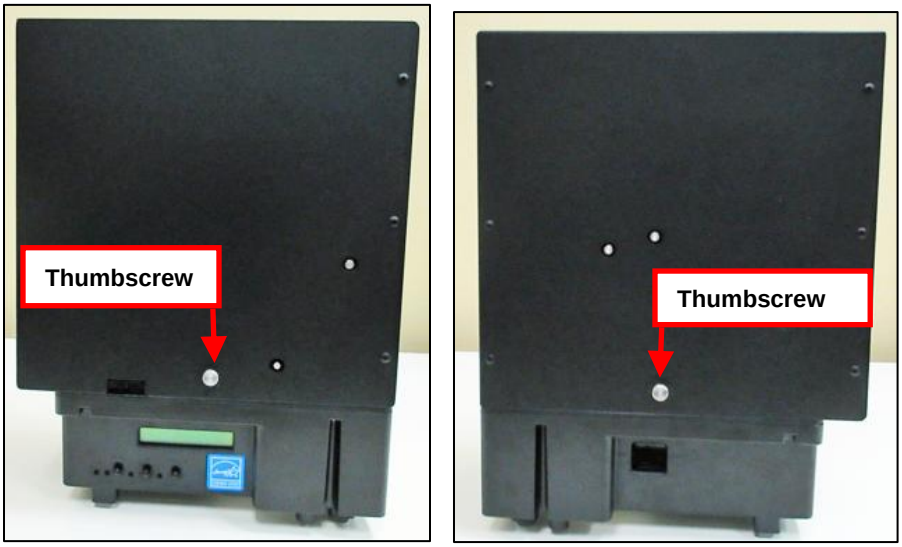
1065 South Rogers Circle • Boca Raton, FL 33487 • Phone (561) 998-9600 • Fax (561) 998-9609

Routine Maintenance for a Lemur-H

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.

COVER REMOVAL.

1. Remove the thumbscrew from both sides of the cover.



2. Lift straight up on the cover to remove.

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

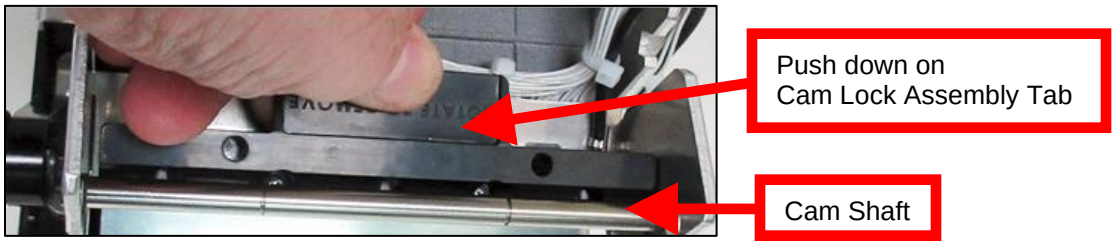
THERMAL PRINT HEAD CLEANING PROCEDURE

The print head should be cleaned periodically to prevent debris from building up on the print element. The required cleaning interval varies greatly depending on the quality of the ticket stock and the amount of dust entering the print area. Excessive dirt buildup on the print head will result in reduced quality. Continuing to run the print head in a dirty condition will reduce its life expectancy, as it is unable to diffuse its heat properly.

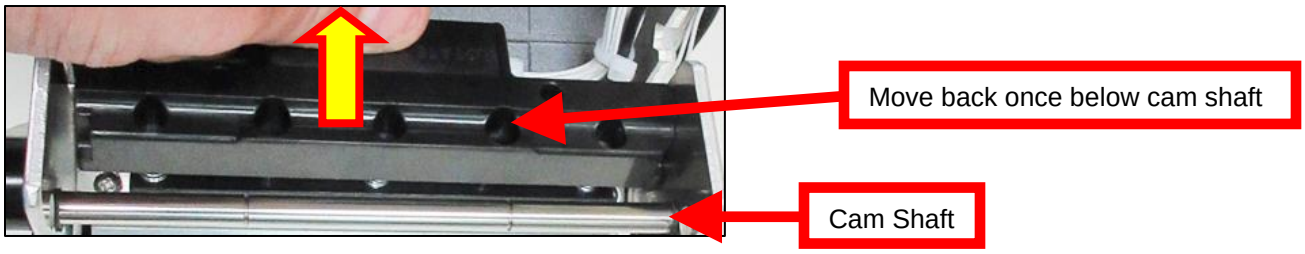
The follow needs to be done with the printer powered off and unplugged from the AC source.

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

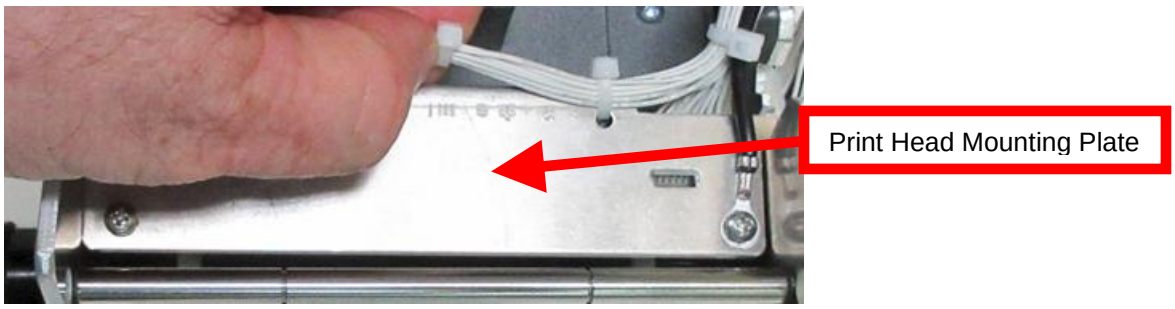
1. Make sure power is off and the AC cord is disconnected from the printer.
2. **DO NOT UNPLUG CABLE FROM PRINT HEAD.**
3. Push down on the Head Spring Assembly tab to disengage it from the cam shaft.



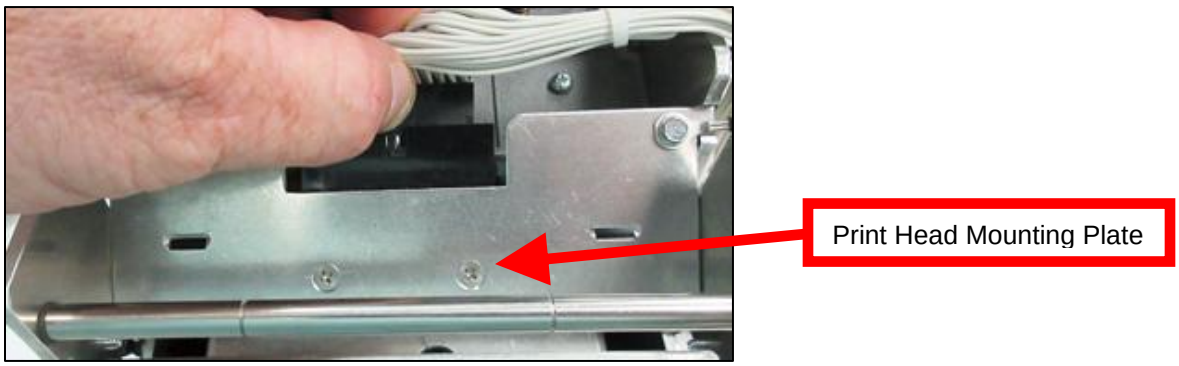
4. Once the assembly is below the shaft move it backwards and remove from print module.



5. Lift the print head mounting plate out from the print module.

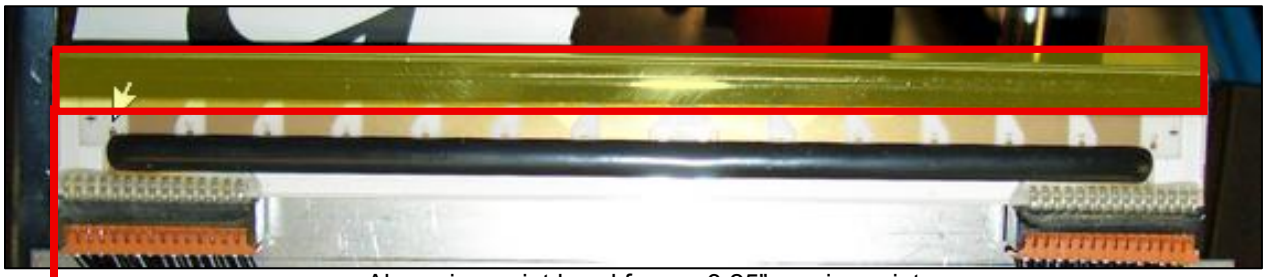


Above shows a 3.25” print head mounting plate

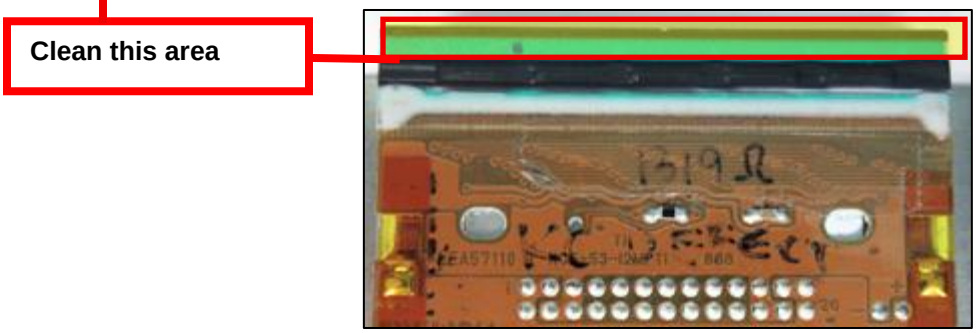


Above shows a 2.12” print head mounting plate

6. Clean the thermal print head surface (the side that makes contact with the paper) with isopropyl alcohol & paper towel. See yellow highlighted area with red border.

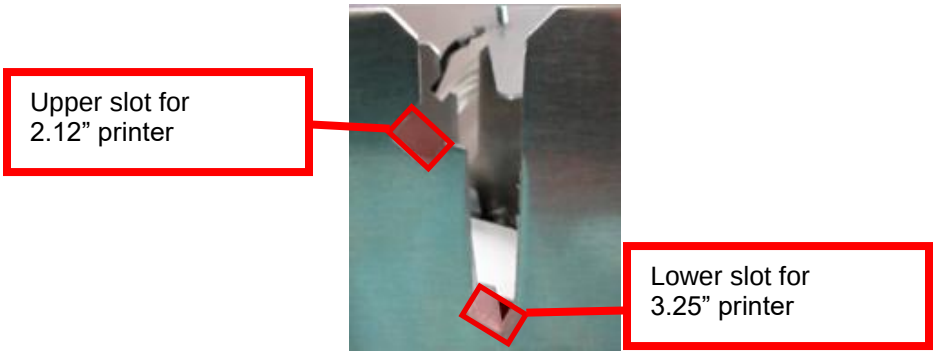


Above is a print head from a 3.25” version printer

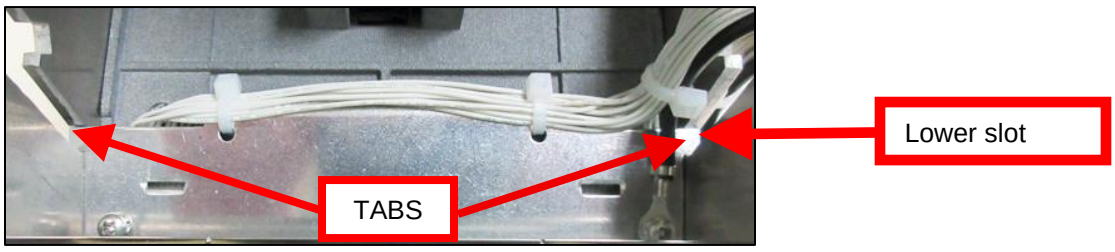


Above is a print head from a 2.12” version

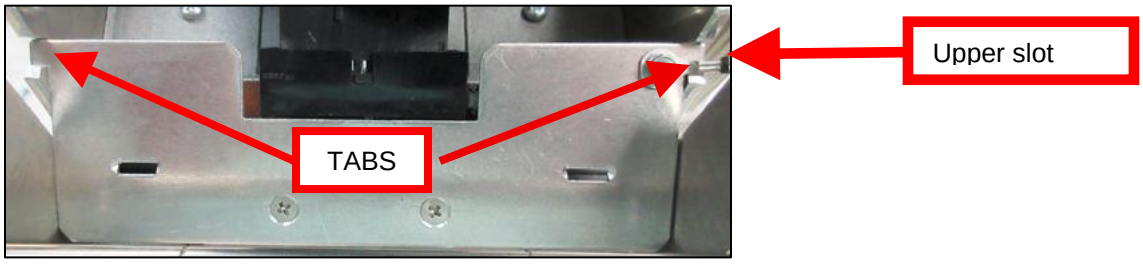
7. Install the print head mounting plate back into the print module by reversing the above procedures. Make sure the print head mounting plate tabs are in the correct print cage slots.



8. Install the print head mounting plate back into the print module in a downward angle. Ensuring tabs are in their correct corresponding slots.



Above shows a 3.25” print head mounting plate

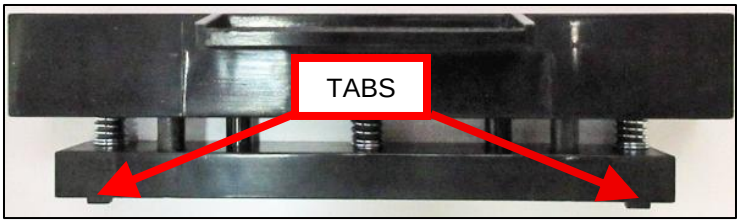


Above shows a 2.12” print head mounting plate

9. Install the Head Spring Assembly back in place.

    a. Position the top recessed radius part of the assembly so it makes contact against the cam shaft. Red highlighted area in the below image.

10. Rotate the lower part of the assembly forward so the tabs on the lower part of the assembly engage the slots in the print head mounting plate.



11. The below image shows the Head Spring Assembly tabs locked in place. See red arrows below.

12. The printer in now ready for operation. If the print quality is still poor then the thermal head needs to be replaced. See section 9.1.2 THERMAL PRINT HEAD REPLACEMENT

PLATEN AND DRIVE ROLLER CLEANING PROCEDURE

The Platen (print module) and Driver Roller (input feeder module) should be cleaned once a year to prevent paper dust from building up on the roller. (NOTE: The platen & drive roller may require more frequent cleaning in dusty environments or when using inferior ticket stock.)

The follow needs to be done with the printer powered off and unplugged from the AC source.

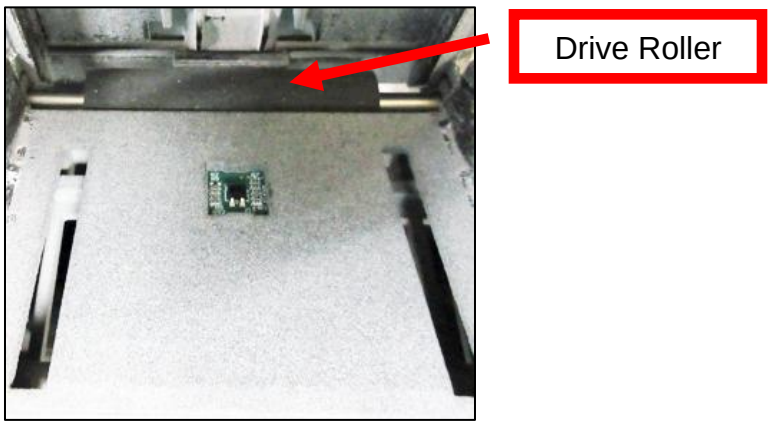
PLATEN

1. Make sure power is off and the AC cord is disconnected from the printer
2. Unlock the Head Spring Assembly and remove Head Mounting Plate.
3. Apply a small amount of Isopropyl alcohol onto a paper towel to clean the rubber roller.
4. Rotate the rubber roller clockwise a little by pulling down on the driver belt and repeat step 4; continue in the same manner for one full revolution of the rubber roller.
5. Install the cam lock assembly and remove head mounting plate back in place.

Platen size and color may vary from what is shown in the photo

DRIVE ROLLER

1. Make sure power is off and the AC cord is disconnected from the printer
2. Open the Input Feeder door and remove media, if present.
3. Apply a small amount of Isopropyl alcohol onto a paper towel to clean the drive roller.
4. Rotate the rubber roller clockwise a little by pulling down on the driver belt and repeat step 4; continue in the same manner for one full revolution of the rubber roller.
5. Allow the roller to dry and load the media back in.

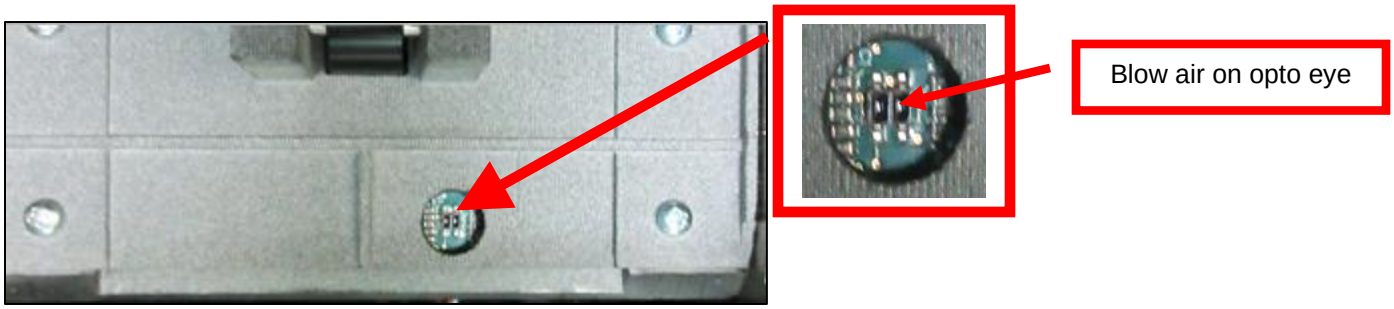


LOAD SENSORS (OPTOS) CLEANING PROCEDURE

The load opto sensor is responsible for letting the printer know when it has media loaded into it in the printer. The sensors are located in the input feeder and print modules

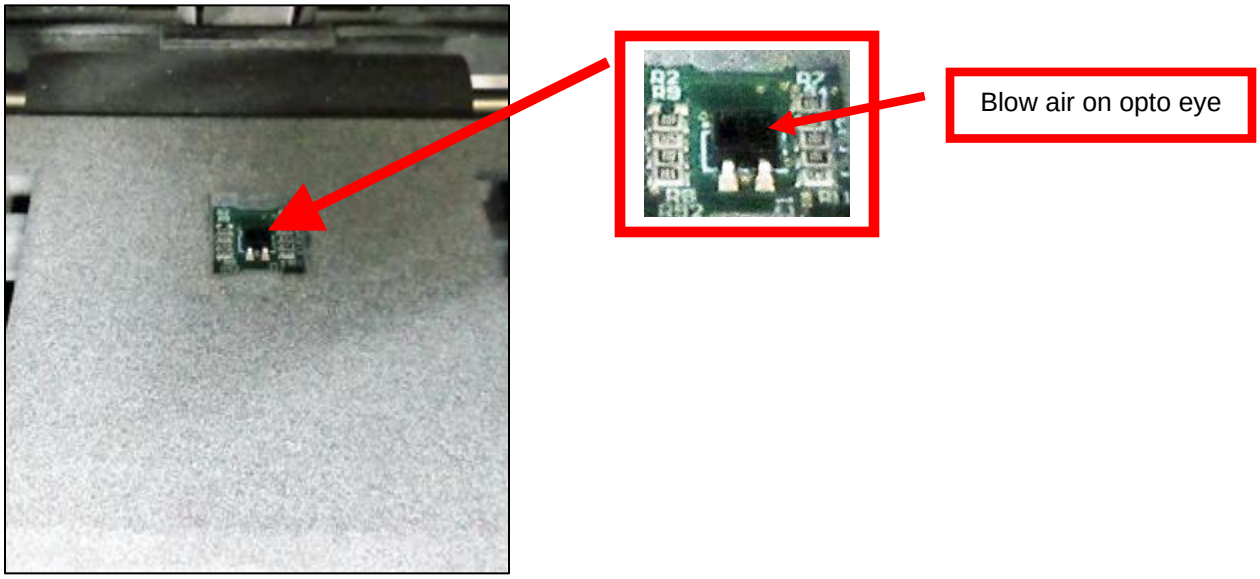
Once a year the opto eye should be blown off with air. This interval will vary depending upon the environment and the quality of the ticket stock.

PRINT MODULE



Above shown with print head mounting plate removed (See section 9.1.1 Thermal Print Head).

INPUT FEEDER MODULE



Above shown with input feeder door open.