



## Lemur X or Z Low Paper See Through Input Kit P/N 423862-XZ

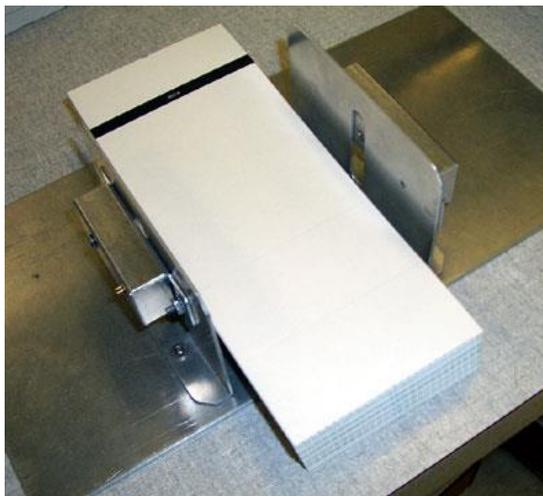
Each kit comes with the following:

- See through opto and mounting hardware

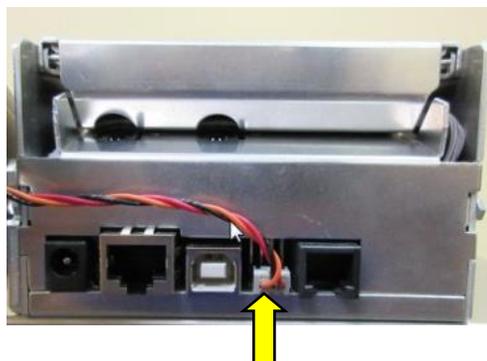


- 36" connection cable

The paper low see through optos brackets are normally installed a tickets width apart from each other (see photos below of typical installation). Care needs to be taken to make sure both opto eyes are properly aligned with each other.



The one of the cables connects to the see through optos. The other end is connected to the low paper connector on the printer.



In the Lemur- X or Z printer a low paper condition is signaled when the printer returns a low paper status message (In Hex *0F*, in decimal *15*) to the host computer. The low paper condition is detected when the see through opto beam is no longer blocked. Once the low paper status is returned it will not be returned again until the triggering condition has been reset. This is accomplished by loading stock so the opto eyes are covered and cycling printer's power.

The host computer can also solicit the current status of the printer by sending an FGL status request (<S1>) command. The printer will respond with a paper low status if the paper low state has been reached and the printer is online (paper out hasn't been reached) otherwise it will return an X-ON status

### **The following explains how to test to make sure the see-through sensor is working properly.**

1. Make sure the cable is connected to the low paper sensor and the printer.
2. The SQ low paper sensor needs to be blocked, installing a roll of media onto the roll holder or simulate it being blocked by a roll of media.
3. Power up the printer and ensure it is able to print a self-test ticket when the center TEST button is pressed.
4. The printer is connected to a Windows based host computer.
5. Install the BOCA configure and test program to the Window computer the printer is attached to. Below is a link to the installation guide for said program.

<https://www.bocasystems.com/documents/Testing%20a%20BOCA.pdf>

Once the programing is running and you are able to print a FGL test ticket from said program, then that will indicate the programing is communicating with the printer.

6. Repeat step # 10 (in above mentioned installation guide) but this time enter 5 as the Number of Tickets to print. Click on the Send button.
7. After the first receipt / ticket has printed, unblock the ticket low sensor.
8. After the printer is finished printing the five tickets you should see the below responses on the Messages area. You should see "Low Paper" in with the "Ticket ACK". Where the "Low Paper" shows up for you may differ the key is the printer acknowledges the low paper.

```
Ticket ACK  
Ticket ACK  
Ticket ACK  
Low Paper  
Ticket ACK  
Ticket ACK
```

9. You have now completed testing of the SQ low paper opto sensor setup.