Flash Cover Position Sensor Adjustment

Context

☑ ThermoFlex

Background

The flash cover open and closed positions are detected with reed switches mounted on the roller assembly block and magnets on the flash cover. Early machines had sensors at both ends of the flash cover. Later machines only had sensors at the drum drive end.

Tools and parts

- 2.5mm Allen Key
- Reed Switch sensor test jig (optional)

Steps

1. Type `flashcvr unlock` to disengage the lock plunger.
2. Type `flashcvr test` to begin a continuous polling of the flash cover position.
3. Note the status of the sensor(s) as the flash cover is moved. The status of the sensor should remain constant at full travel (both open and closed) and pressure applied to the flash cover while in contact with the bump stops should not alter the sensor status. If the sensors do not operate as described, the sensors require adjustment or replacement.
4. Note the amount of non-desired linear overtravel causing the unwanted/incorrect change in sensor status for both open and closed positions.
5. Remove the flash cover (see Flash cover removal and installation procedure) to access the reed switches and magnets.
6. Test the reed switches and sensors with the test jig to verify that they are in proper working condition.
7. Replace faulty parts as required.
8. Adjust the switch(es) by the distance(s) noted in step 4.
9. Re-install the flash cover and check the sensor operation using the `flashcvr test` command.
10. Repeat steps 4-8 as necessary.

Note: If the sensor is at the limit of adjustment and still not working properly, the root of the problem maybe damaged bump stops or cover plates.