

Aligning the Leafscan45 Scanning Stage

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Symptom: When scanning 4x5 images a light band appears at the far edge (left or right).

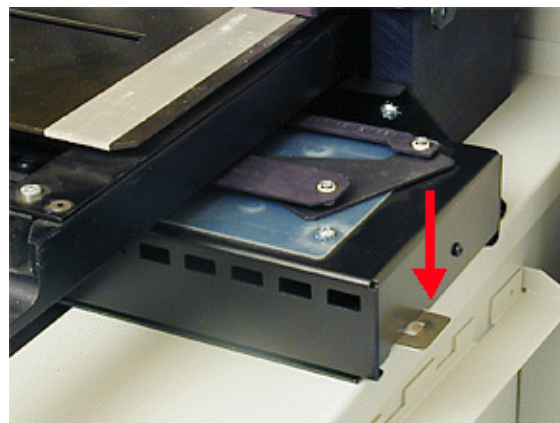
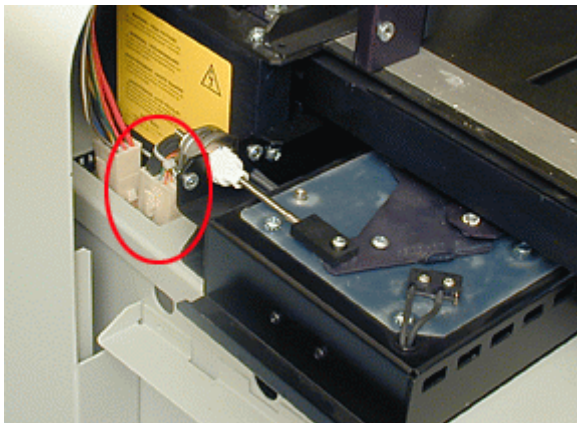


Cause: The CCD is not correctly aligned left-to-right with the filter assembly beneath the film stage.

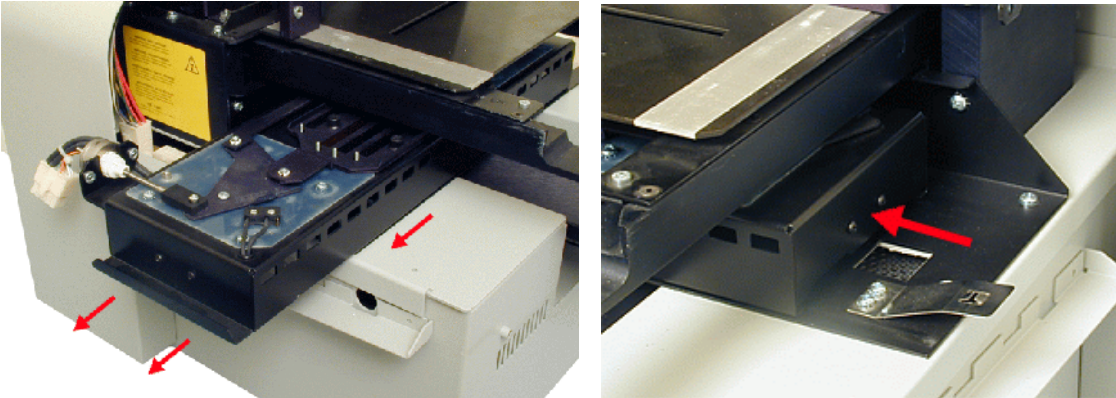
Solution: Remove the bracket that holds the filter assembly and enlarge its screw holes so that it can be remounted further to the left or right and thus eliminate the problem.

Method:

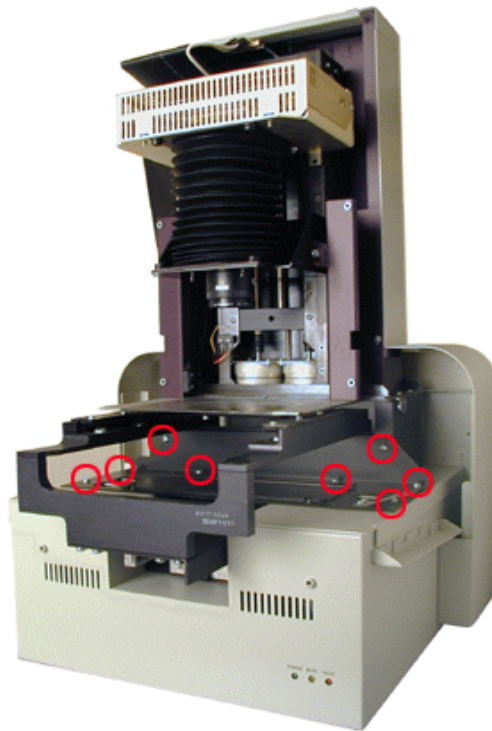
- 1) Remove the front of the scanner (see "LS45_lube.pdf" for details).
- 2) Unplug the filter assembly (on left) and push down on the retaining clip (right) to slide the filter assembly out of the scanner (see step 3 on next page).



- 3) Slide out the filter assembly



- 4) Here is the filter assembly plate and the 8 screws that hold it in place. (You do not need to remove the stainless steel filter clip on the right.)

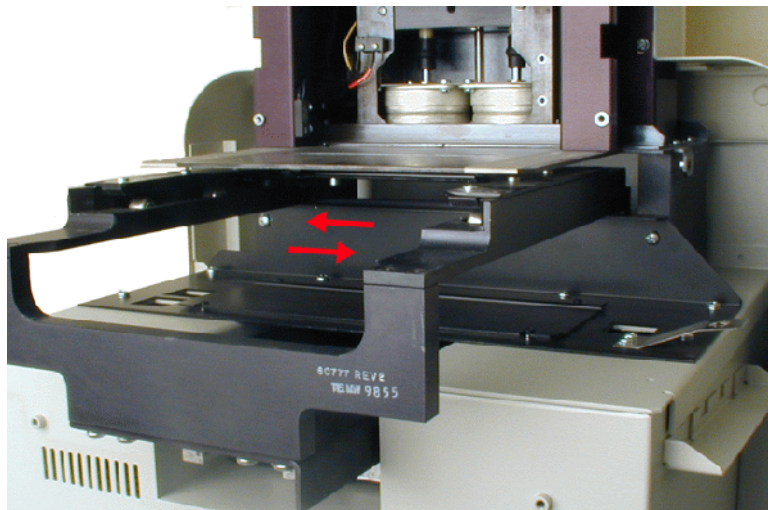


Before removing the plate you should **mark where it's connects to the scanner body** with with a permanant marker. This will help with re-positioning it when it's re-attached.

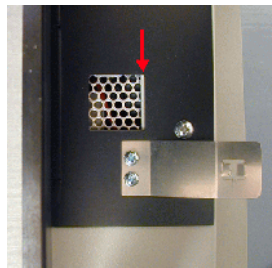
- 5) Remove the 8 screws and the filter assembly plate. You will now need to use a small round file to enlarge the 8 holes horizontally so that the plate can be reinstalled in a shifted position (left or right). I clamped the plate between 2 small pieces of wood on a bench vise to hold the piece secure.



- 6) Reinstall the plate and using the lines you drew in step 4 move the plate to its new position and tighten the screws. If the scan line was on the left then move the plate a small amount to the right and visa-versa. You might have to do a test scan to confirm you have moved it enough. Re-adjust if necessary.



- 7) The following illustration shows how far to the right my plate needed to be set to eliminate the problem. The white part now showing is part of the square cutout hole that previously aligned perfectly with the filter assembly plate.



- 8) So that's it....good luck !