FCO 512-00234A
Improving the Lotem 850's dual-loading cassette's plate/paper separation

Document number: 719-00347 Rev A

Release date: 16 Jan 2005

Applies to: Lotem® 850 DLC **Priority:** Next failure

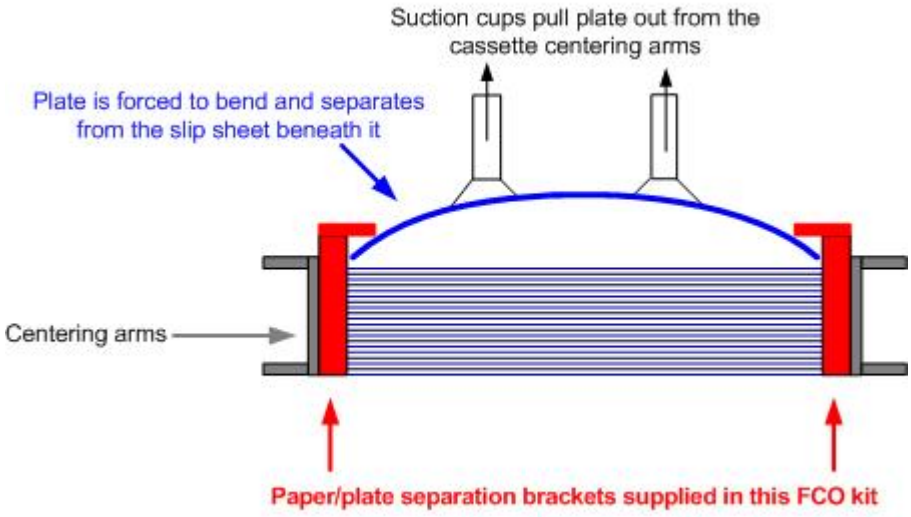
Component Dual-loading cassette (DLC) system for the Lotem 850.

Problem

- Static electricity and/or a slip sheet that sticks to the plate may cause double feeding; meaning the plate and the slip sheet (immediately beneath the plate) will be loaded together.
- During the plate loading process, the slip sheet does not separate from the plate that is immediately beneath it.

Solution

Install the improved DLC centering arms with the paper/plate separation brackets, supplied in this FCO kit. When *Step A* of the loading process is performed - *Loading plate from cassette entry to punch entry*, the improved centering arms and brackets cause the plate to convexly bend. The convex bending forcibly separates the plate from any slip sheets that are immediately above and beneath the plate:



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Time required Approximately 40 minutes.

Parts included in FCO

Part Number	Part Name	Quantity
252-07020A	Plate Separator upper tray DLC	2
252-07021A	Plate Separator short upper tray DLC	2
252-07022A	Plate Separator long upper tray DLC	2
252-07023A	Centering pin DLC	2
290B7B023A	Plate centering arm, DLC, Q850 Type II	2
291A7B036	Centering arm, DLC, Q850	1
291A7B220	Centering arm, LHS, DLC, Q850	1
374A00080	Packing label - white	1
380G01021	PHIL FLT HD STST 4-40*1/4”	4
380J01020	PHIL PAN HD STST 4-40*1/4”	4
391A60752	W/A box-360 x 215 x 45	1
651-00272A	FCO 512-00234A plate separation	1
719-00347A	Plate separation LTM850 DLC – Doc	1

FRU after FCO implementation

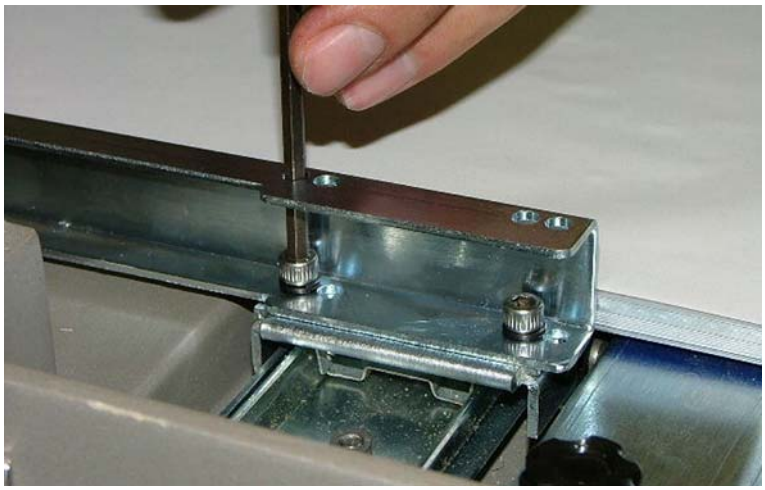
Procedure

Before beginning this procedure, make sure the following conditions are met:

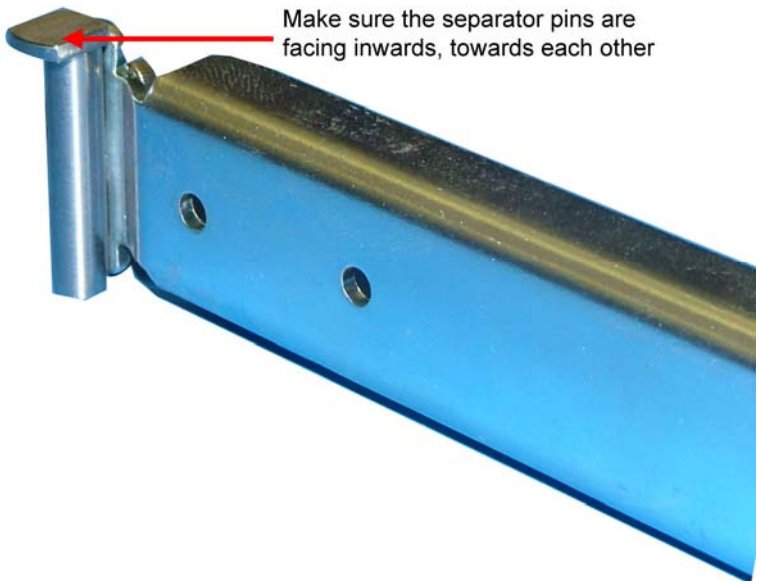
- Check that the site’s humidity falls within the required humidity range, which is approximately 55% +/- 5%.
- Check that the platesetter and the DLC are vertically aligned to each other.

1. In Lotem Controller, remove the cassette.
2. Open the main cassette cover.
3. Remove all the plates from the cassette’s main tray.

4. Remove the two existing centering arms and put the screws to one side:

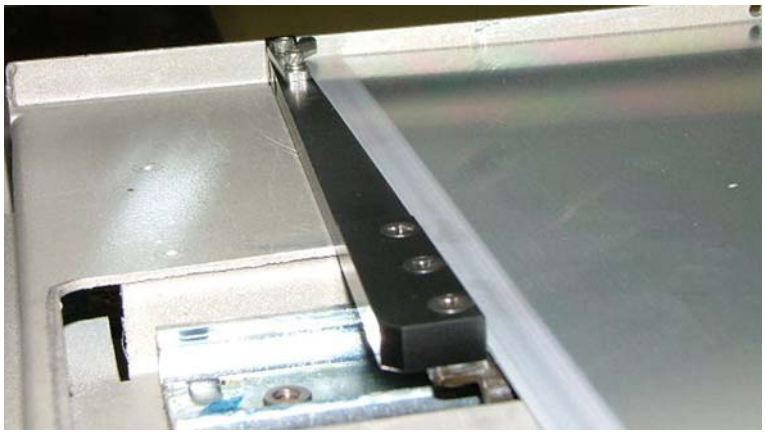


5. Use the screws from the previous centering arms to install the two improved centering arms (part number 293A7B881A). Make sure the arms' separator pins are facing inwards, towards each other:

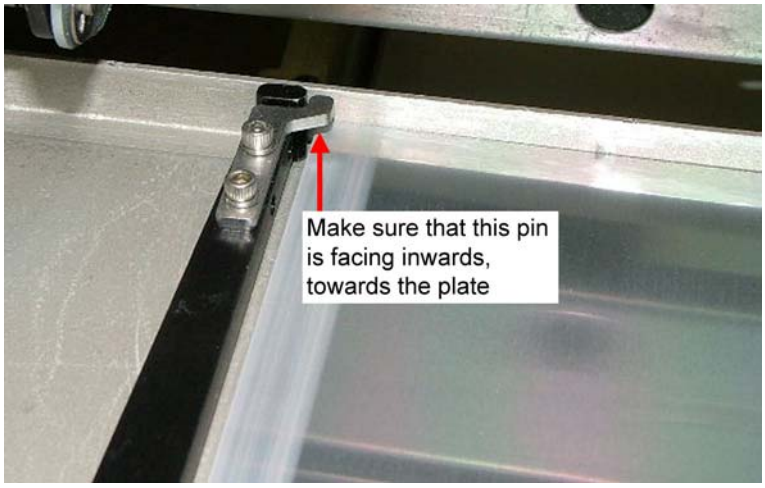


6. Manually open and close the centering arms. Make sure they are both moving smoothly.
7. Reload the plates into the cassette.
8. Use the centering arms to center the plates.
9. Lock the arms against the plates.
   Important: This FCO will only succeed if the arms are locked against the plates.
10. Close the DLC's main cassette cover.
11. Open the DLC's upper tray cover and remove any plates.
12. Remove the upper tray centering arms.

13. Use the screws from the previous centering arms to install the two improved centering arms (part number 290A2R148B):



Make sure the arms' separator pins are facing inwards, towards each other:



14. Manually open and close the centering arms. Make sure they are both moving smoothly.
15. Reload the plates into the cassette.
16. Use the centering arms to center the plates.
17. Lock the arms against the plates.
    Important: This FCO will only succeed if the arms are locked against the plates.
18. Close the DLC's upper tray cover.
19. Reinsert the DLC back into the platesetter.

20. Amend the following Lotem Controller parameters:
Note: The parameters for each individual platesetter may vary slightly from those described in this table. The parameters in the table should be used for indicative purposes only.

Amend These Parameters	Value	
	Old	New
Y Motor\ ***Min Speed App ValueY plate high***	1	0
Loading system\load plate\from cassette to punch entry stage\ ***Y plate high up in cassette (Rel) speed***	1	0.7
Loading system\load plate\from cassette to punch entry stage\ ***Y plate high up in cassette (Rel)[mm]***	-45	-55
Loading system\load plate\from cassette to punch entry stage\ ***Y plate rell up in cassette (Rel)[mm]***	-16	-22
Loading system\load plate\from cassette to punch entry stage\ ***X Extra to short pins***	30	25
Loading system\load plate\from cassette to punch entry stage\ ***X Extra to short pins for 0.2***	28	23
Loading system\load plate\from cassette to punch entry stage\ ***Number of plate backward separations***	1	0
Loading system\ ***X Prepare to catch plate [mm]***	365	373

Install FCO Updater	Insert the CD/diskette and double-click on the **exe** file, or download the file from TechPlanet's FCO page. For more information refer to the FCO Updater.

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Logistics

Approved quantities:

CSC	Quantity
CAM	1
CEU	1
CAP	/
CJP	10
CSR	/

Schedule supplies for first lots:

	CSC				
	CAM	**CEU**	**CAP**	**CJP**	**CSR**
Schedule					
Mar 05	1	1	/	10	/

Lead time for future FCOs: 2 months.

Material disposition Dispose of the old centering arms.

Technical contact Moshe Arviv

Date submitted 16 Jan 2005

Last updated 03 Mar 2005