FCO 512-00266A Improving MCU cassette reliability

Document number: 719-00473A -EN Rev A

Release date: 23 May 2005

Applies to

- Lotem® 800
- Lotem 800 Quantum
- Lotem Quantum Spectrum
- Lotem 800 II Family

Priority: Next visit

Machines affected

Component User door locker assembly screws

Problem

The screws in the user door locker assembly can loosen, causing a safety issue (cassette can fall).

Solution

Tighten the screws by sealing them with Araldite® epoxy and then add screw covers.

Time required 20 minutes

Prerequisite FCOs N/A

Parts included in FCO

Part Number	Part Name	Quantity
380A05041	Soc HD Cap STST 8-32*3/8"	2
304-00028	Ribbed lock wash,M4,St	2
304-00027	Ribbed lock washer, M8,ST	6
252-01090A	GTO punch spacer 0.5mm	3
480C10045	Araldite 5 minute glue + hardn	1
391I60617	Envelope 16 x 21 cm air bubbles	1
391170212	Nylon bag 6 x 8 cm w/closure	1
651-00323A	Diskette – FCO Updater	1
719-00473A	Doc, MCU-Cassette safety improvement	1

Tools required

- Hex key
- Araldite® Epoxy
- Loctite® 242

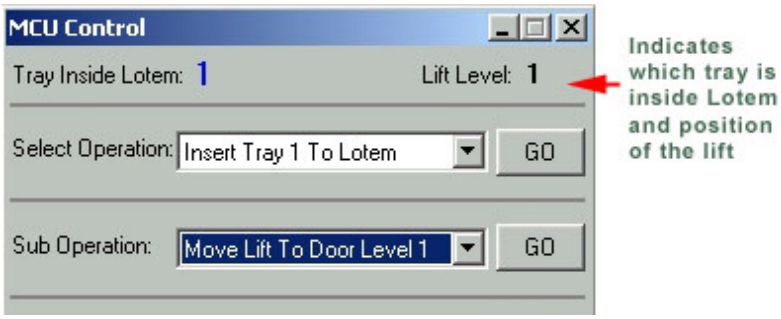
Procedure

Note: In Lotem Controller, make sure you are in **Expert mode**.

1. In Lotem Controller, click **Utilities**.
2. From the Utilities menu, click **Hardware**. The Hardware tree is displayed.
3. From the Hardware tree, select **Loading System**.

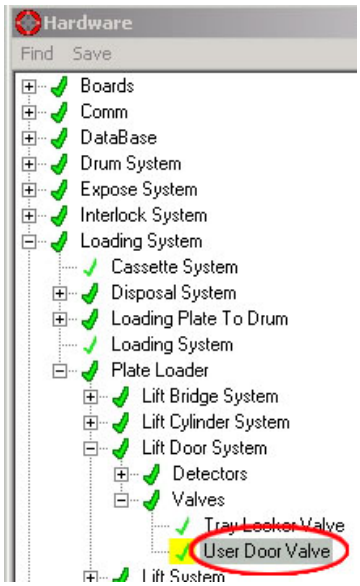


4. Double-click **Cassette System**. The MCU Control dialog box is displayed.



5. From the Select Operation list, select **Insert Tray 1 to Lotem** and click **GO**. Tray 1 moves into the Lotem platesetter and the indicator on the screen displays **Tray Inside Lotem: 1**.
6. From the Sub Operation list, select **Move Lift To Door Level 1** and click **GO**.
   Note: The sub operation moves only the lift, without the cassette.

7. In Lotem Controller Hardware tree, navigate to **Loading System/Plate Loader/Lift Door System**. Double-click on **User Door Valve**.



8. In the User Door Valve dialog box, click **Start**.



9. To enable access to the locker assembly, open the user door (without cassette).
10. Use a hex key to undo the two screws connecting the securing bracket to the locker assembly.



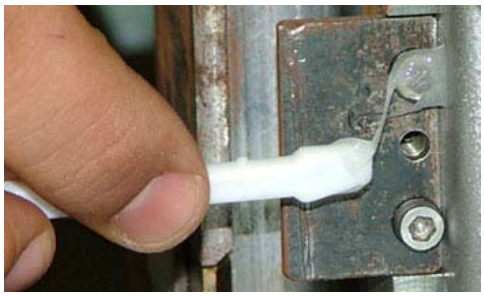
11. Remove and replace the loose screws with the new screws supplied in this kit, together with the old spring washer and the supplied ribbed washer. Apply blue Locktite® 242 on the screws' thread and then tighten the screws.

    Important: Clean the screws' heads with alcohol and make sure the screw heads and the surrounding area are clean, dry and grease free.

12. Mix equal amounts of the resin and the hardener (1:1).
    Note:
    - Use the mixture within five minutes.
    - When closing the epoxy, make sure to put the correct lids on the correct tubes, otherwise they will harden and you will not be able to use it in the future.



13. Apply Araldite® Epoxy on the two screw heads on the user door locker assembly with the epoxy mixture.



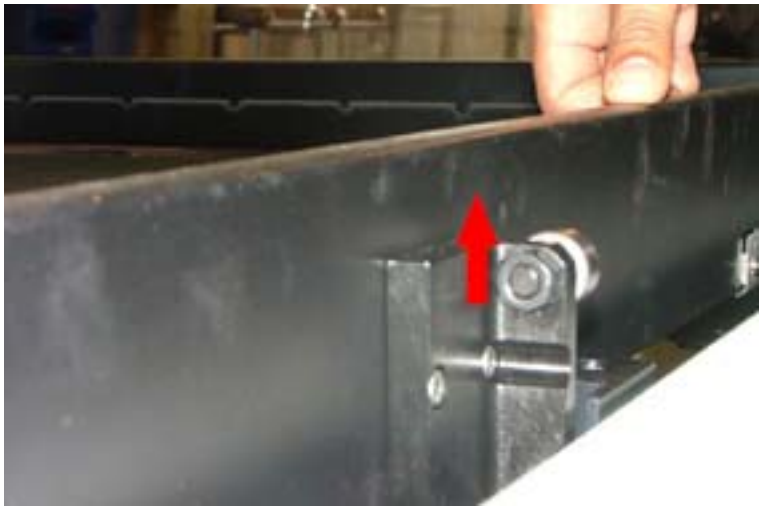
14. Take the two screw head covers, peel off the backing paper and stick them onto the glued screw heads.



15. Close the user door.
16. Wait for ten minutes to ensure that the glue is dried out and solidified.
17. Make sure the user door is empty of plates and locked in its open position.

18. Using both hands, slightly raise the cassette tray, until the cassette bearing clears the cassette locker on the user door:





19. While gripping the cassette firmly with both hands, gently push it back into the MCU.

    Important: When pushing the cassette back into the MCU, make sure to keep it firmly gripped with both hands, until the cassette is safety returned inside the MCU. Failure to do so could cause the cassette to fall from the MCU:



20. Apply Locktite® 242 to the nut and fasten the nut until it presses against the spring washer.



Repeat this step for all five cassettes.

21. In Lotem Controller, in User Door Valve dialog box, click **Stop** and close all dialog boxes.

Install FCO Updater	Install the FCO Updater CD/diskette and double-click the **.exe** file. Alternatively, download the file from the TechPlanet FCO page. For more information, refer to the FCO Updater.
Upon completion	Close the user door and return to full production.
Logistics	Approved quantities:

CSC	Quantity
CAM	20
CEM	50
CAP	5
CJP	15
CMA	/

Schedule supplies for first lots:

	CSC			
Schedule	**CAM**	**CAP**	**CJP**	**CEM**
May	10	5	10	25
June	10	/	5	25

Inventory: 1 kit per platesetter

Lead time: 1 month

Material disposition	Throw away screws that were removed.
Technical contact	Nir Peleg
Date submitted	24 May 2005
Last updated	25 July 2005