FCO 512-00213A
Suction cups type II - Replaceable by customer

Document number: 719-00382A Rev A
Release date: 11 Nov 2004

Important: If you only need to order the suction cups, then call your local Response Center and order kit number 518-00851A.The kit contains 7 customable replaceable suction cups.

Applies to

- Lotem® 800
- Lotem 800 II
- Lotem Quantum
- Lotem Quantum Spectrum
- Lotem 400 with MCU
- Lotem 400 Quantum with MCU

Priority: Next visit

Component	Suction cup assembly
Problem	When the platesetter's suction cups need replacing, the customer calls the Response Center. The Response Center then dispatches an engineer to the customer's site to perform the procedure. This process has the following drawbacks: • The customer cannot replace their own platesetter's suction cups. • The site is down until the engineer arrives. • It is costly to send an engineer out on site.
Solution	To improve this process, a suction cup assembly has been designed that can be replaced by the customer. The engineer, however, will initially have to install the new assembly. Thereafter customers can replace their platesetter's suction cups without having to place a call to the Response Center. This new process offers the following advantages: • The customer can replace their own platesetter's suction cups. • The engineer's resources are put to better use. • The down time on site is reduced. • The process is more efficient.
Time needed to implement	• Initial installation of new assembly by engineer: **1 hour** • Time needed for customer to replace suction cups: **10 minutes**

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Parts needed

Part Name	Part No	Quantity	Image
Suction cup legs	290B9L369	2	
Suction cup assembly	500-02189A	**Note:** These part numbers are for one part only, however, this FCO contains 7 x 500-02189A and 7 x 500-02188A	
Suction cups type II	500-02188A		
FCO file tracker	651-00220B	1	
FCO document	719-00382A	1	

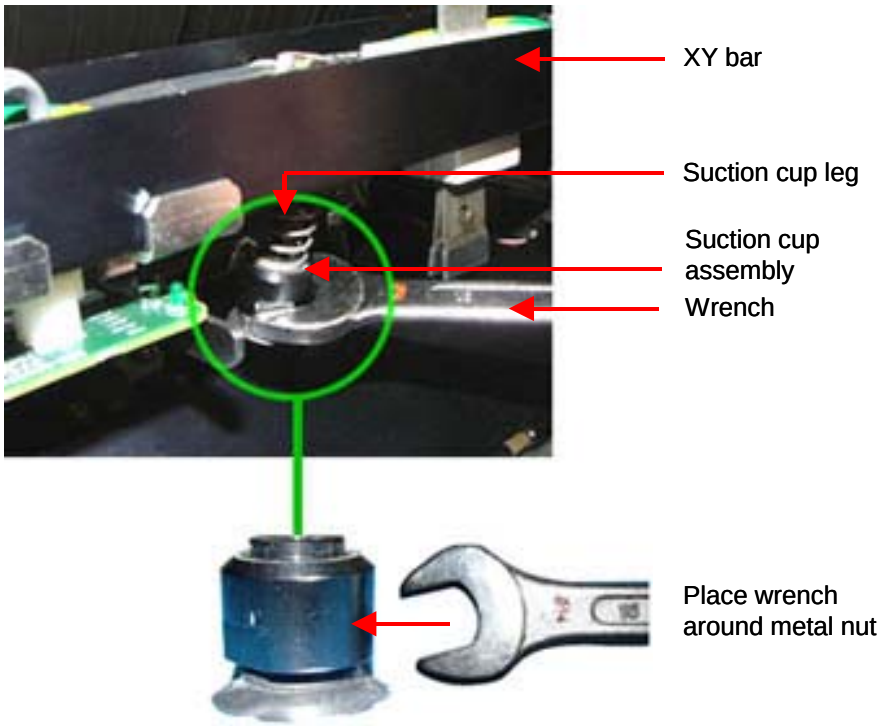
Tools needed

- 5/8" (16 mm) wrench
- 5/16" (8 mm) wrench

Procedure

1. In Lotem Controller, open the platesetter's front door.
2. Manually move the XY bar until it is positioned above the paper disposal unit.
3. Remove the XY bar cover by removing the 3 Phillips® screws located at the front of the cover.

4. Insert a 5/8" (16 mm) wrench around the metal nut of the suction cup assembly:



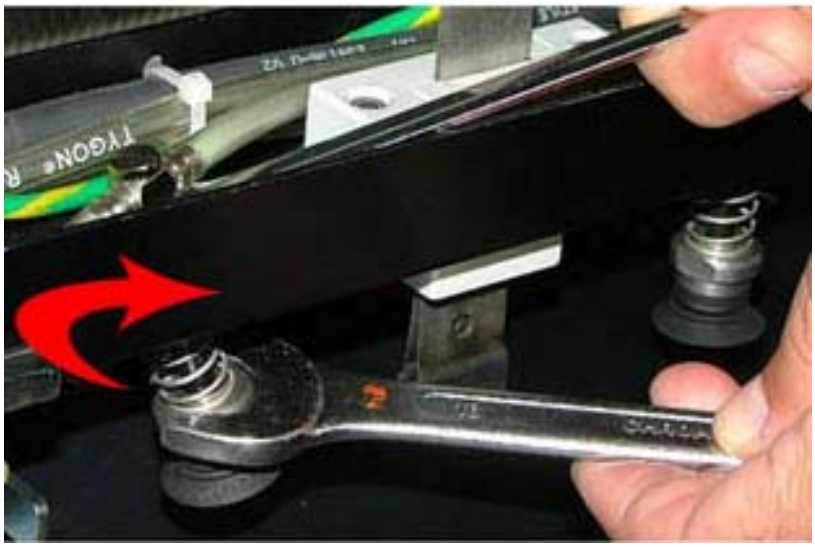
5. Use the wrench to slightly push up the suction cup assembly into the XY bar.
   - Make sure you can gain access to the top of the suction cup leg (part number 290BL369), located above the XY bar.
   - *While keeping the wrench in position*, insert an additional 5/16" (8 mm) wrench around the top of the suction cup leg. Make sure the air tubes remain undisturbed.
   - Using the upper 5/16" (8 mm) wrench to provide resistance, start rotating the lower wrench clockwise until the suction cup assembly is dismantled:



i. Use wrench to raise assembly



ii. Insert additional wrench at top of assembly



iii. Rotate lower wrench to dismantle suction cup assembly

6. Remove the spring and suction cup assembly:

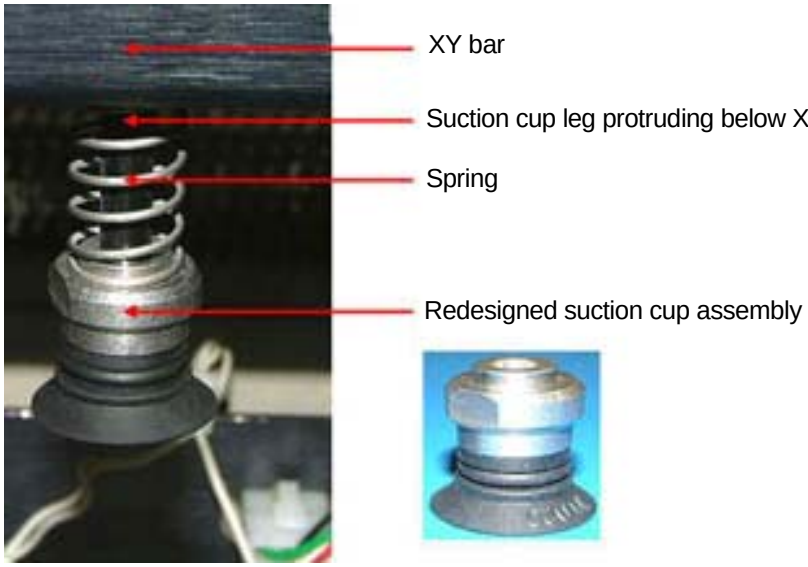


7. Dispose of the suction cup assembly *but keep the spring*:



Dispose of the suction cup assembly

8. Put Loctite® 242 on the thread of the suction cup leg.
9. Insert the original spring onto the part of the suction cup leg protruding below the XY bar and then insert the new assembly onto the thread of the suction cup leg:



10. Tighten the suction cup assembly.
    Note: Make sure not to over tighten the assembly.
11. Put back the XY bar cover and secure it by reinserting the 3 Phillips® screws at the front of the cover.

Testing the FCO

Note: the suction cup can be slightly lower than the previous cup as it is preloaded. It is possible that in marginal cases there will be some contact, which must be prevented by centering.

1. Make sure there is safe clearance between the cups and the plate.
2. Change the value **Y in punch** to 72.
3. Load several plates of different sizes and thickness.
4. Make sure the suction cups are working correctly.
5. Leave the additional spare suction cups onsite. Do not remove them from the accessory kit box.
6. **Train the customer how to replace the suction cups, see page 7.**

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Install FCO Tracker	Insert the diskette and double-click on the **reg** file, or download the file from TechPlanet's FCO page.
Logistics	Approved quantities:

CSC	Quantity
CAM	200
CEM	200
CJP	50
CMA	40
CAP	50

Schedule supplies for first lots:

	CSC				
Schedule	**CAM**	**CEM**	**CJP**	**CMA**	**CAP**
Mid Dec 04	20	20	10	10	10
Jan 05	45	45	20	10	20
Feb 05	45	45	10	10	10
Mar 05	45	45	10	10	10
April 05	45	45	0	0	0

Inventory:

Lead time: 6 weeks

Material disposition	Old suction cup assembly
Technical contact	Itai Peperovich
Date submitted	11 Nov 2004
Last updated	10 Mar 2005

How to Replace the Suction Cups

Replace the suction cups as described below:

1. Grip the suction cup assembly with one hand.
2. With your other hand, grip the suction cup between your forefinger and thumb:
   Tip: To increase your grip on the suction cup, wrap it in a piece of sandpaper.



3. Pull the suction cup towards you and then pull it down over the end of the suction cup leg:



4. Dismantle the suction cup from the suction cup assembly.
5. Moisten the top of the new suction cup.

Continued on next page

How to Replace the Suction Cups (ctd)

6. Place the new suction cup on the suction cup assembly. Make sure the cup is fitted correctly onto the end of the suction cup leg.



7. Dispose of any old suction cups.

To order additional suction cups:

Call your local Response Center and order kit number 518-00851A.
The kit contains 7 customer replaceable suction cups.



Suction cup

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