Procedure

English

Replacing the upper roller assembly with a one-piece upper roller on Magnus 400

DRAFT

731-01002A-EN

graphics.kodak.com

Kodak

Copyright



© 2006 Kodak. All rights reserved.

Creo and Magnus are trademarks of Kodak.

Adobe, Acrobat, Adobe Illustrator, Distiller, Photoshop, PostScript, and PageMaker are trademarks of Adobe Systems Incorporated.

Apple, iMac, Power Macintosh, Mac OS, AppleShare, AppleTalk, TrueType, ImageWriter, and LaserWriter are registered trademarks of Apple Computer, Inc. Macintosh is a trademark of Apple Computer, Inc., registered in the U.S.A. and other countries.

PANTONE, Hexachrome, PANTONE Hexachrome, and PANTONE MATCHING SYSTEM are the property of Pantone, Inc.

PEARL, PEARLsetter, PEARLhdp, PEARLdry, and PEARLgold are registered trademarks of Presstek, Inc.

XEROX® is a trademark of XEROX CORPORATION.

http://graphics.kodak.com/

Internal 731-01002A-EN

Revised November 2006

Contents

Product 1
Background 1
Requirements 1
Procedure 2
    Removing the Upper Roller Assembly 2
    Installing the One-piece Upper Roller 7
    Adjusting the Home Position Flag 9
Technical Contact(s) 9
Date Submitted 9
Last Updated 9

Product

- *Kodak Magnus* 400 platesetter
- *Kodak Magnus* 400 platesetter with *Kodak Xpo* software
- *Kodak Magnus* 400 Quantum platesetter
- *Kodak Magnus* 400 platesetter with MCU

Background

During the unload process, roller marks appear on the plates due to the design of the current upper roller assembly. To eliminate roller marks from appearing on the plates during the unload process, replace the current upper roller assembly with the improved one-piece upper roller.

Requirements

- 8/32" hex key
- *Loctite* 242 adhesive

One-piece upper roller kit

Part Number	Part Name	Quantity
252-11251A	Upper roller shaft for M400	1
358A05030	Double shield ID=7 OD=14 B=5 Class 0	2
252-11250A	Torque shaft, upper roller for M400	1
500-03758A	Press arm assembly—right for M400	1
500-04562A	Press arm assembly—left for M400	1
385U51100	Hitch pin int. D=.047" L=19/32"	3
290A2M235	L800-roller arm pin	3

Procedure

This document describes how to remove the current upper roller assembly on the *Magnus* 400 platesetter and replace it with the new and improved one-piece upper roller.

Removing the Upper Roller Assembly

1. In the *Magnus* 400 Controller workspace, on the Operations toolbar, verify that the status indictor is **Ready**.
2. In the *Magnus* 400 Controller software, open the top door on the platesetter, and then open the side doors.
3. Quit the *Magnus* 400 Controller software and turn off the platesetter.
4. Disconnect the main power supply.
5. Turn off the air pressure.
6. On the right side of the platesetter, remove the split-pins and locking pins that secure the roller shaft piston assembly to the upper gripper assembly.

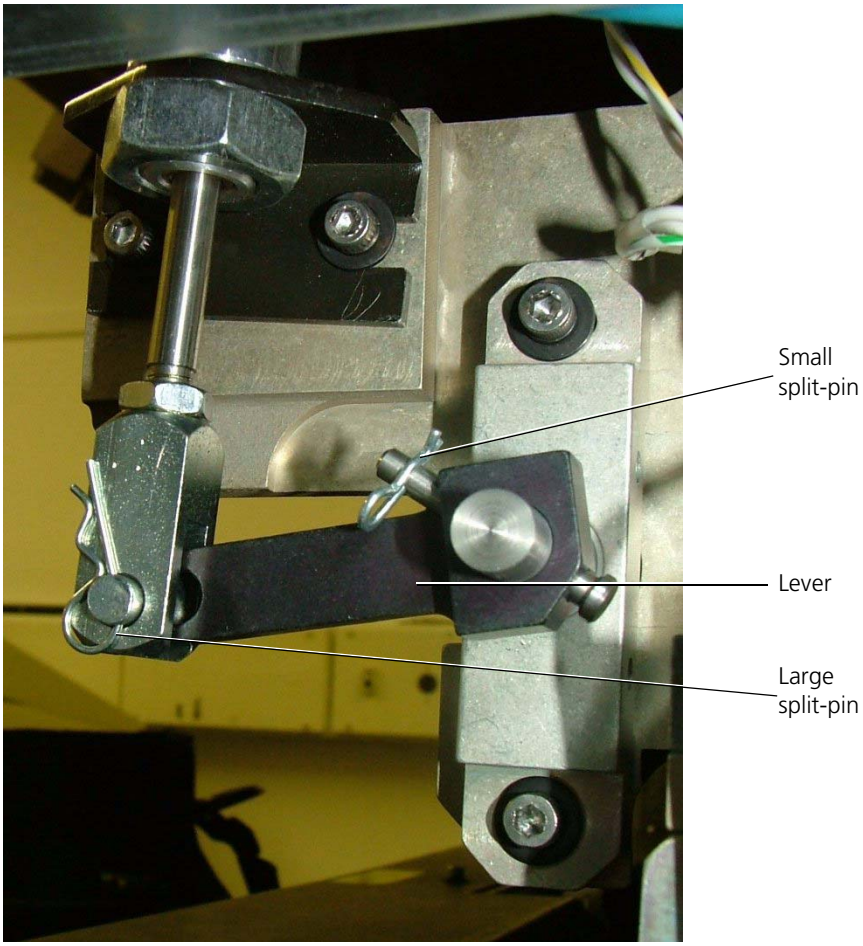


Figure 1: Upper gripper assembly—right side view

a. Remove the small split-pin from the locking pin that secures the lever to the bearing housing assembly and set aside.

b. Remove the large split-pin from the locking pin that secures the lever to the roller shaft piston assembly and set aside.

c. Remove the locking pins and set aside.

7. Remove the two screws that secure the bearing housing assembly to the upper gripper assembly and set aside.

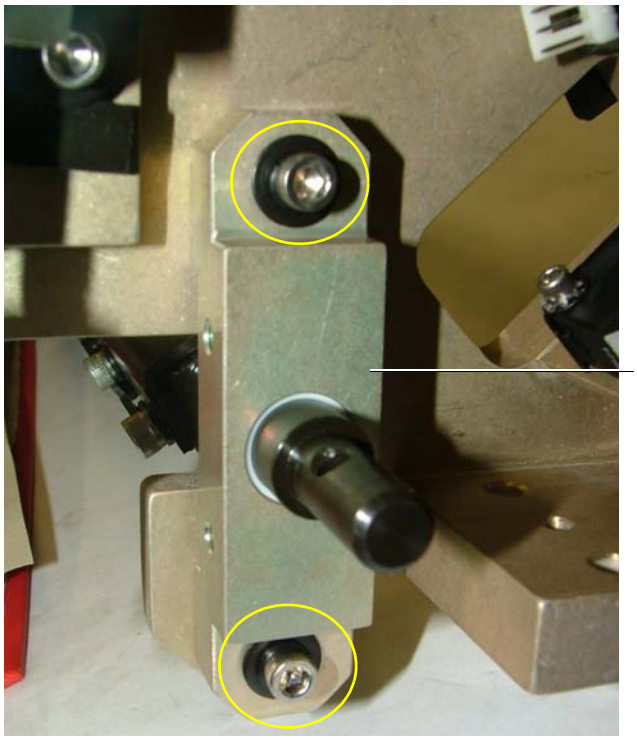


Figure 2: Removing the right bearing housing assembly screws

8. On the left side of the platesetter, remove the sensor bracket assembly.

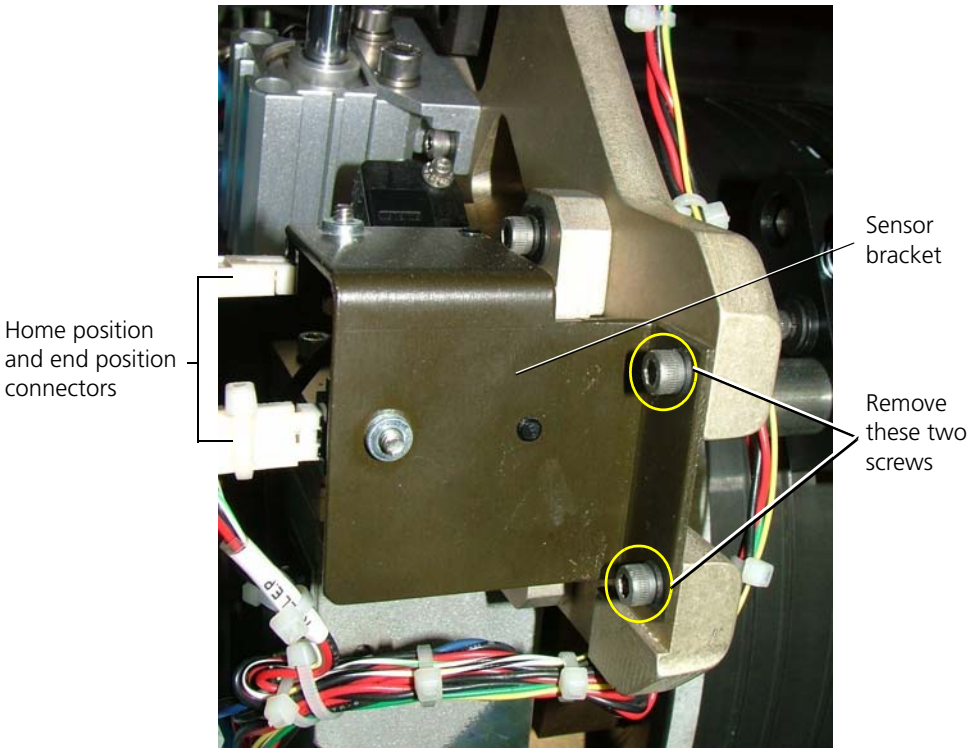


Figure 3: Removing the sensor bracket assembly

a. On the sensor bracket, disconnect the home position and end position connectors.

b. Remove the two screws that secure the sensor bracket to the upper gripper assembly and set aside.

c. Remove the sensor bracket and set aside.



Figure 4: Sensor bracket assembly

9. Remove the two screws that secure the left bearing housing assembly to the upper gripper assembly.

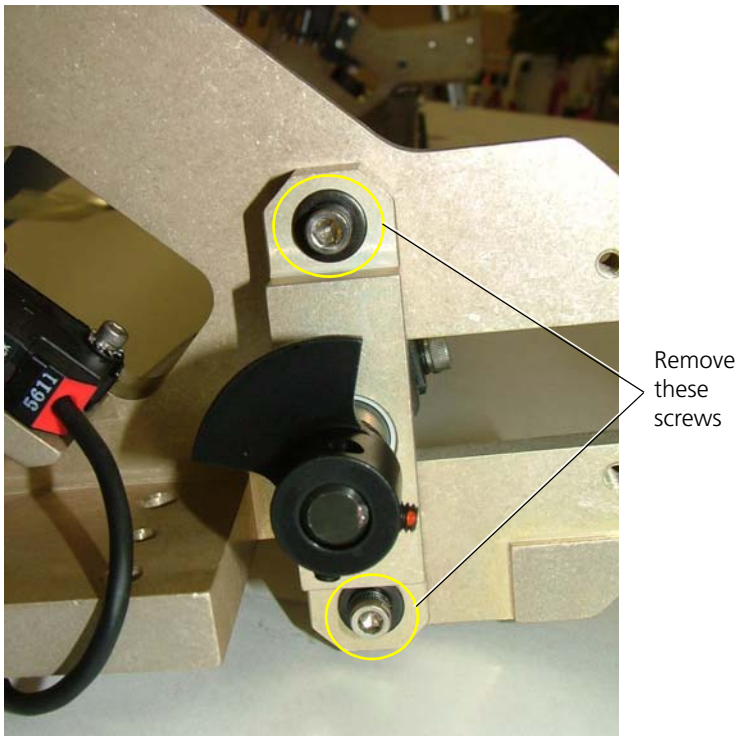


Figure 5: Removing the left bearing housing assembly

10. Standing at the front of the platesetter, lift the roller assembly with the right and left bearing housings out of the grooves on the upper gripper assembly, and pull it toward you and out of the platesetter.

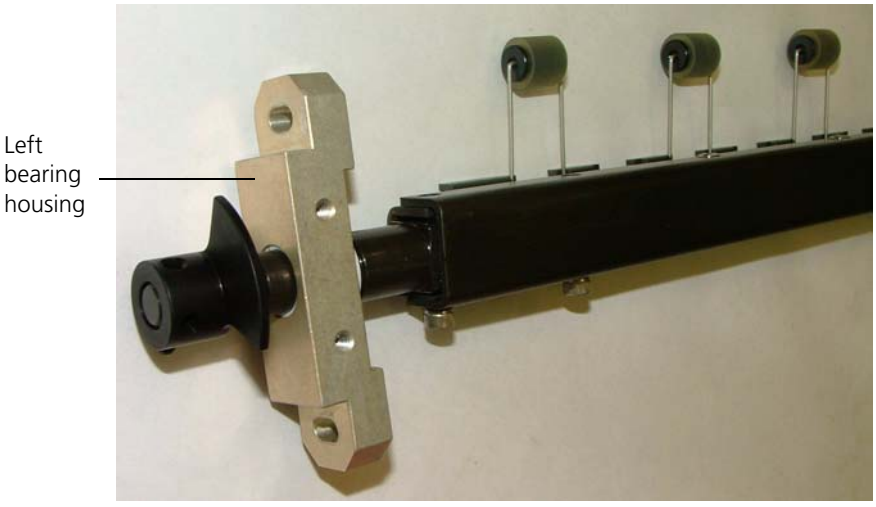


Figure 6: Removing the roller assembly

11. Remove the two set-screws that secure the home position/end position flag to the roller shaft and remove the flag and set aside.

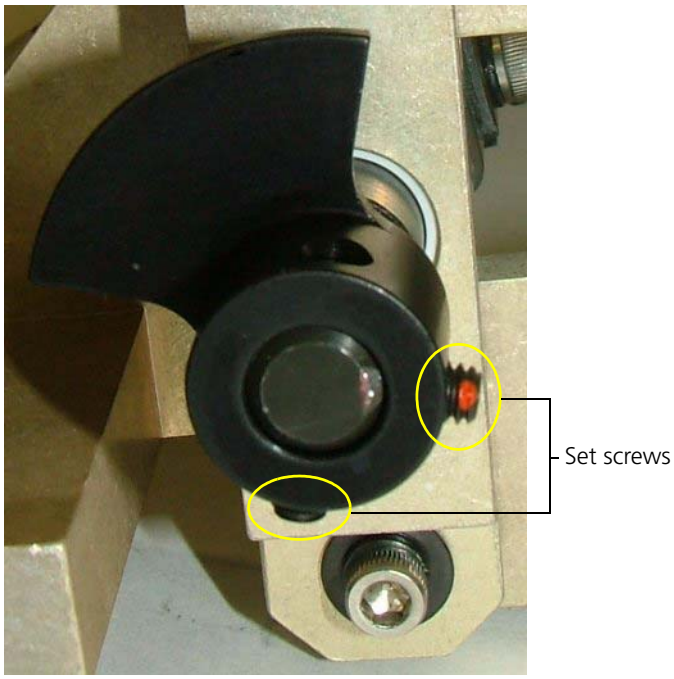


Figure 7: Removing the set-screws

12. Remove the flag and set aside.
13. Remove the left and right bearing housings and set aside.

Installing the One-piece Upper Roller

Note: During the installation, apply a drop of *Loctite* 242 adhesive on *all* the screws with which you are securing parts.



Figure 8: One-piece upper roller assembly installed on the platesetter—general view

1. On the right side of the one-piece upper roller, return the right housing bearing.

   Note: The one-piece upper roller has a hole on its right side for the roller shaft piston assembly.



2. On the left side of the one-piece upper roller, return the left housing bearing.
3. Return the home position/end position flag and secure it to the shaft with the two set-screws that you set aside.

4. Standing at the front of the platesetter, place the one-piece upper roller inside the machine.

   a. On each side of the one-piece upper roller, return the two screws that secure the bearing housing assemblies to the upper gripper assembly.

   b. On the left side of the roller, return the sensor bracket and the two screws that secure the sensor bracket to the upper gripper assembly and tighten.

   c. Connect the home position and end position connectors to their corresponding connectors on the sensor bracket.

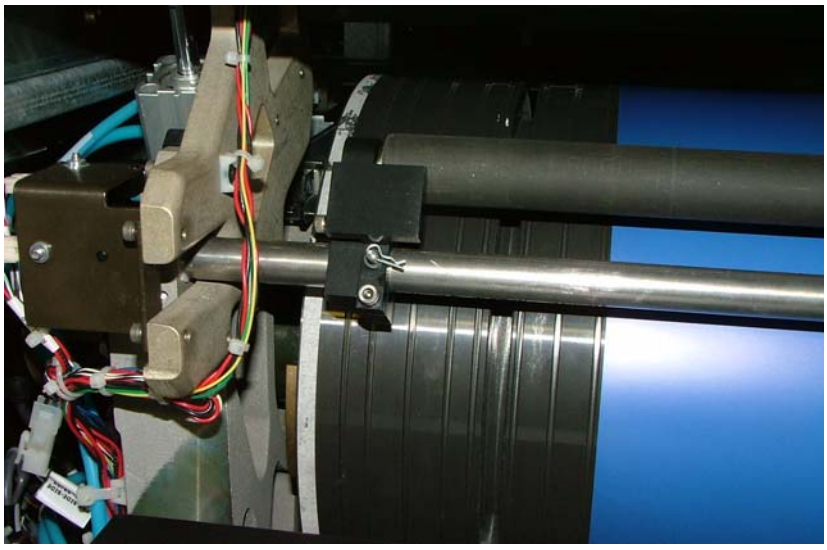


Figure 9: One-piece upper roller—left side view

5. On the right side of the roller, insert one of the locking pins (that you removed earlier and set aside) into the piston hole on the roller shaft and secure with the small split-pin. See Figure 1 on page 2.

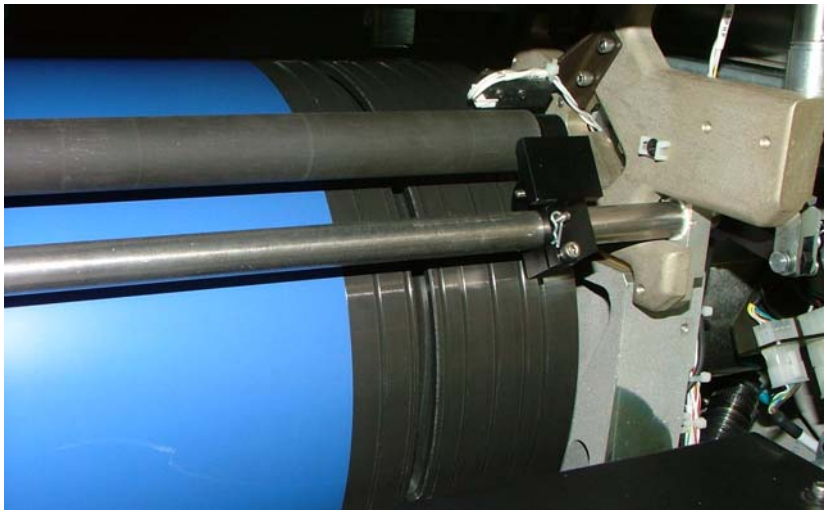


Figure 10: One-piece upper roller—right side view

6. Insert the other locking pin into the roller shaft piston assembly and lever, and secure with the large split-pin. See Figure 1 on page 2.

Adjusting the Home Position Flag

1. Connect the main power supply to the platesetter.
2. Turn on the platesetter and start the *Magnus* 400 Controller software.
3. Turn on the air pressure.
4. On the left side of the one-piece upper roller, adjust the home position (HP) flag.
    a. In *Magnus* 400 Controller, on the Operations toolbar, select **Utilities > Hardware**.
    b. In the Hardware window, expand **Drum System/Rollers System/Unload Roller** and double-click **Unload Roller HP Detector** to open the detector.
    c. On the platesetter, with the piston connected, loosen the two set-screws on the HP flag and adjust the flag until it is positioned just in front of the detector at the entrance of the slot and the Unload Roller HP Detector is **On**.
    d. Tighten the set-screws on the HP flag.
    e. Activate the unload roller and verify that the Unload Roller HP Detector changes to **Off.**
5. Perform a load/unloading sequence and verify that the one-piece upper roller is operating properly.

Technical Contact(s)

Content owner: Mario Amir

See the Escalation page for escalation contacts.

Date Submitted

20 Nov 2006

Last Updated

29 Nov 2006