Kodak

Upgrading a Magnus 800 single-cassette autoloader to a multi-cassette autoloader

Procedure
English

Internal 731-01145A-EN Rev A

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Revised May 2007

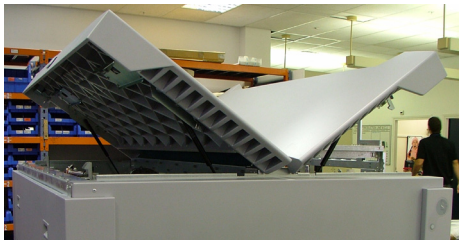
Introduction

This document describes how to upgrade a Kodak® Magnus™ 800 single-cassette autoloader to a Kodak Magnus 800 multi-cassette autoloader.

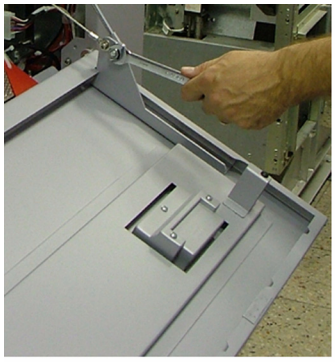
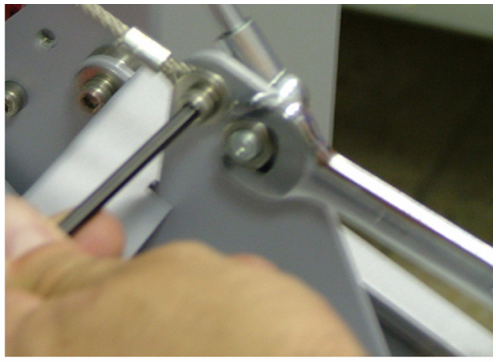
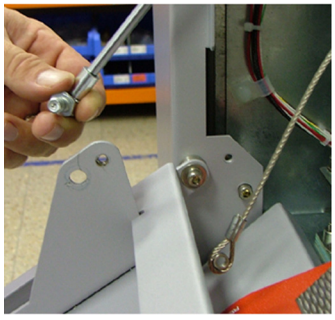
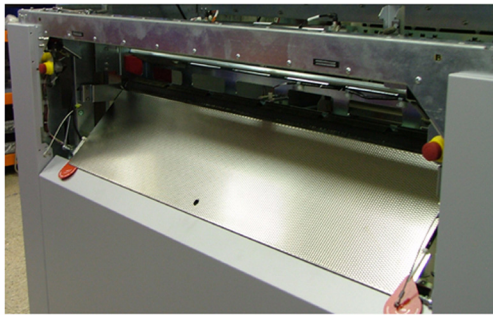
Dismantling the Single-Cassette Autoloader

1. Raise the loading conveyor.

2. Raise the top covers.



3. Remove the paper disposal door.

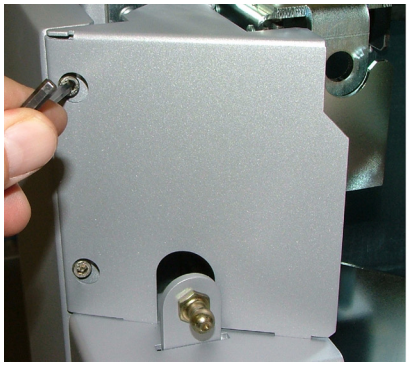
4. Remove the front panel.

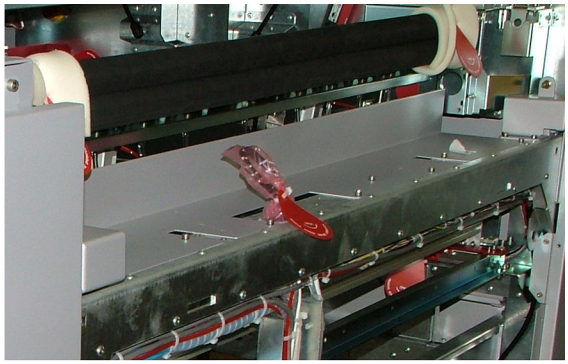


5. Remove the upper and lower-rear panels.



6. Remove the two corner brackets.

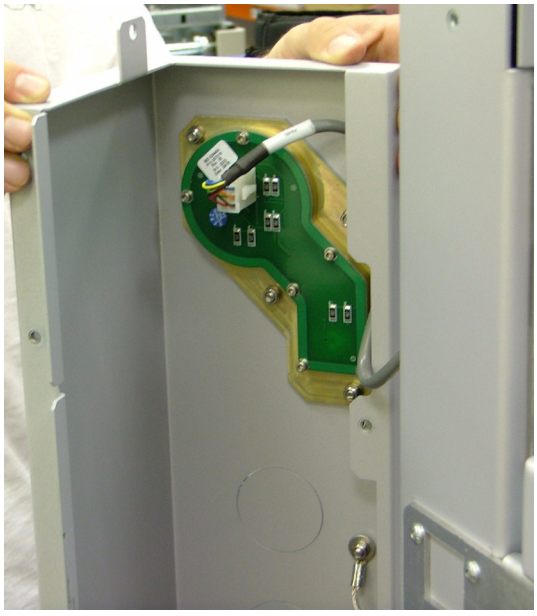




7. Remove the two inner panels.



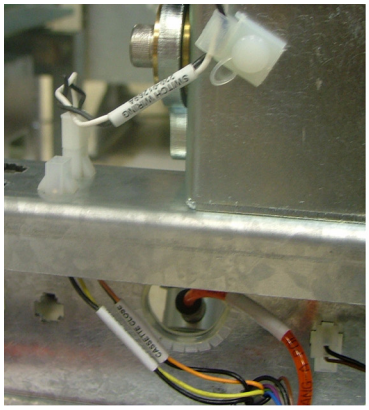

8. Remove the four corner panels.
   - Make a note of where each individual corner panel is located, for example, rear-right corner panel or front-left corner panel.
   - Each corner panel is secured to the single-cassette autoloader with six screws.
     Five of the screws are located on the outside of the single-cassette autoloader and an additional screw is located on the inside of the single-cassette autoloader.
   - When all six screws have been removed, forcefully extract the corner panel from the single-cassette autoloader chassis.
   - When removing the corner panel containing the control pad, first disconnect the control pad connector and the safety wire before removing the panel.

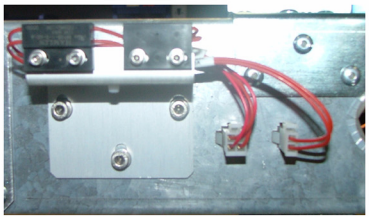


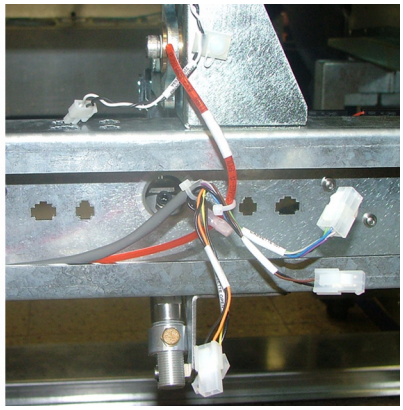
9. Remove the cassette locker support beam cover.
   - The cassette locker support beam cover is secured to the chassis with eight screws. Four of the screws are located on the outside of the panel and four screws are located underneath the panel.



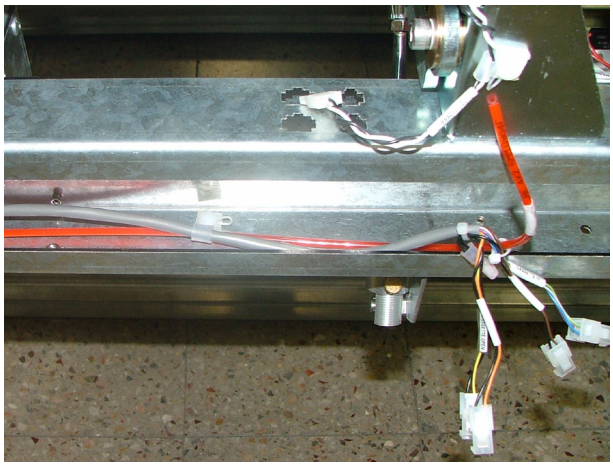
10. Disconnect the cassette locker cable and air tube.
    - The cassette locker cable comprises of four cables - **cassette open**, **cassette close**, **cassette int**, **cassette in det**.
    - Disconnect the micro-switch connectors.
    - Disconnect the black and white **switch wiring** (220-1269A) wires from the orange and black **cassette close** connector.
    - Extract the cassette locker cable connectors from their housing.
    - Remove the orange air tube from the cassette locker piston.





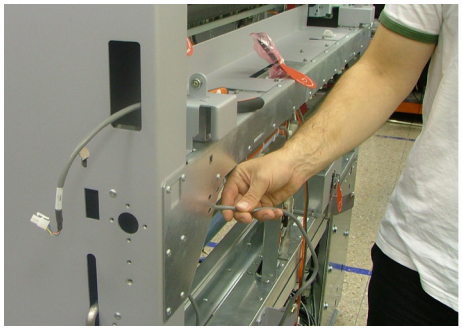


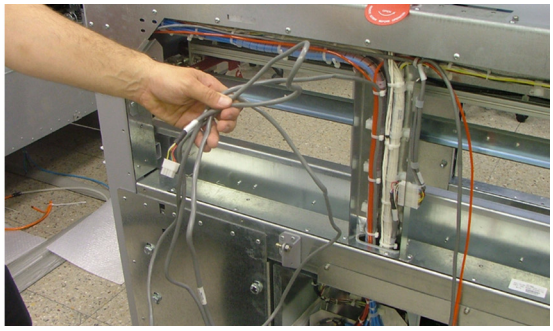
11. Remove the wire harness fasteners.



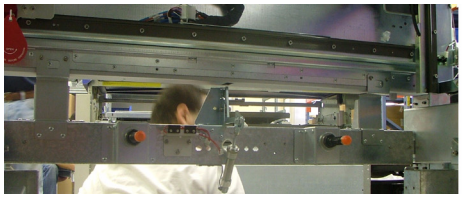
12. Disconnect the cassette locker cable and the orange air tube. Coil up both the cable and tube and secure them with cable ties.

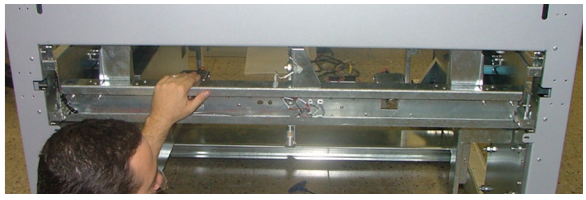
13. Retract the control pad cable until it reaches the middle support on the rear of the single-cassette autoloader. Secure the cable with cable ties.





14. Remove the cassette locker beam support assembly.



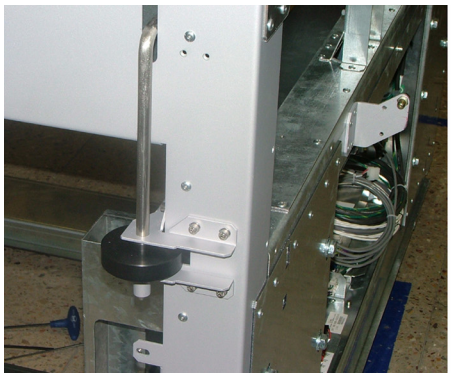
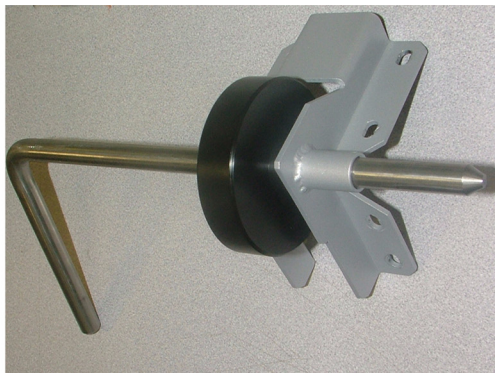


15. Remove the two cassette runner assemblies.

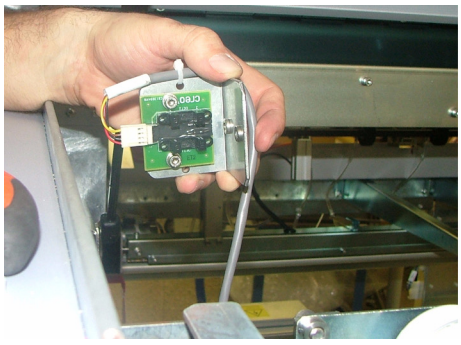
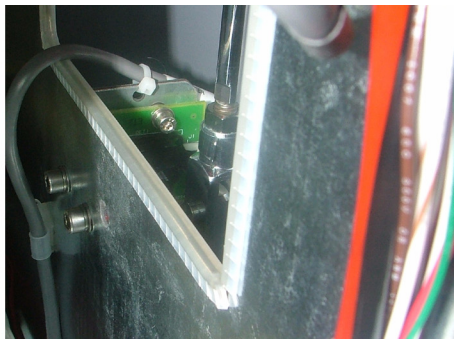





16. Remove the two cassette wheel guide assemblies.

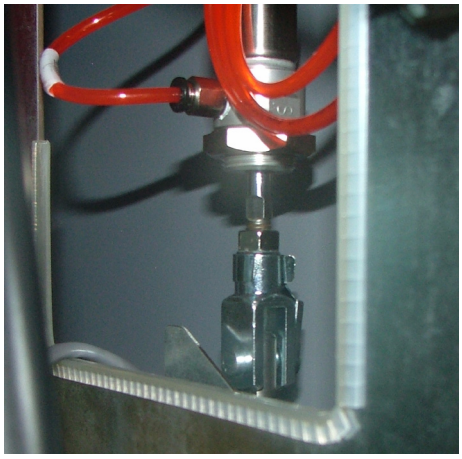



17. Remove the cassette shutter detector board from the chassis.

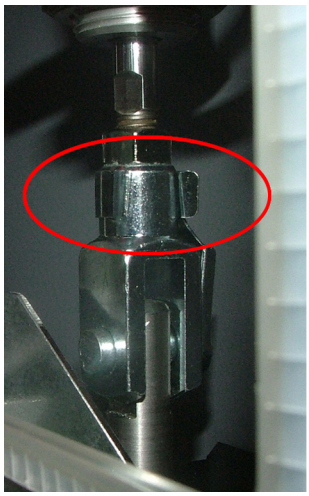



18. Disconnect the cassette shutter detector cable from the cassette shutter detector board. Coil up the cable and secure it with cable ties.

19. Disconnect the orange air tube from the cassette shutter piston actuator. Coil up the tube and secure it with cable ties.

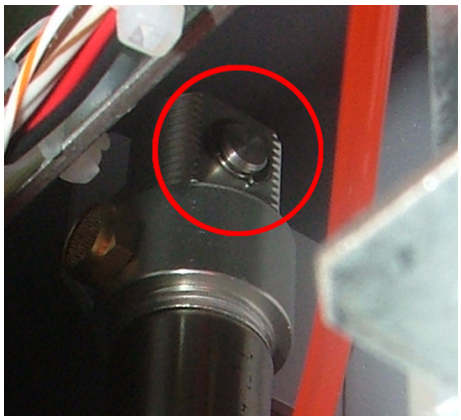


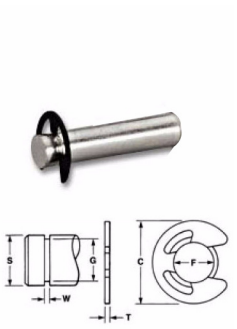
20. Remove the cassette shutter rod assembly.
    - Release the clip and then remove the pin securing the cassette shutter rod to the piston actuator.



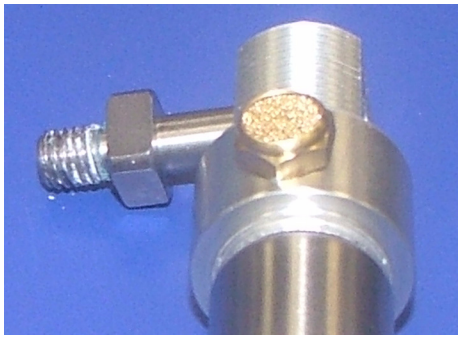


21. The piston actuator is secured to the chassis with an axle pin and an e-ring axle clip.
    - Carefully remove the e-ring axle clip and then extract the piston actuator.





    - Use an 11-mm wrench to dismantle the axle pin from the chassis.

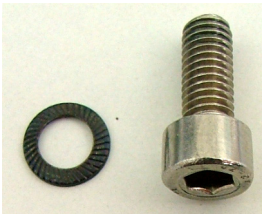


Assembling the Autoloader

This section describes how to assemble autoloader so that it may be used in conjunction with a multi-cassette unit to form a multi-cassette autoloader.

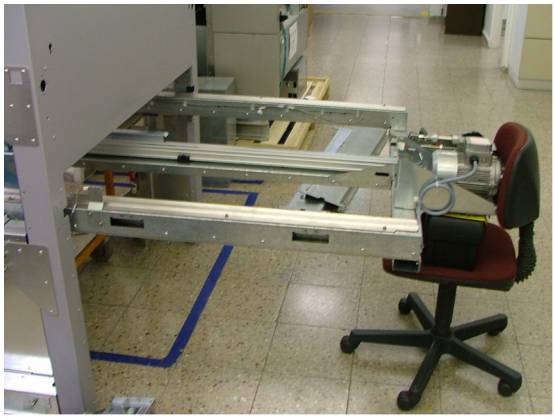
Reassembling the Parts

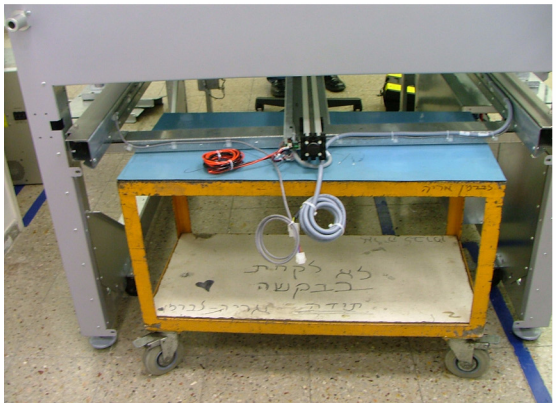
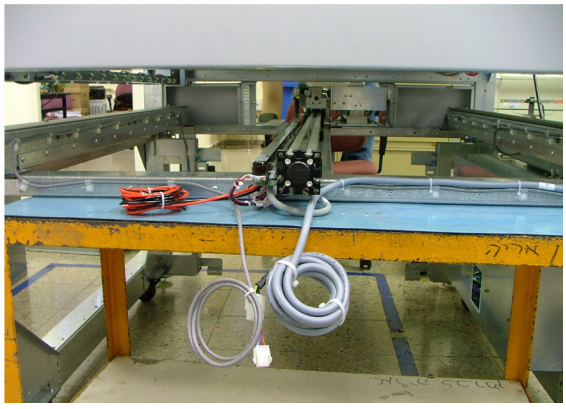
The table below describes which type of screw and washer should be inserted into each type of screw hole.

Oval screw hole	Round screw hole
Screw + spring washer + flat washer 	Screw + ribbed washer  **Note:** Ribbed washers may only be used once.

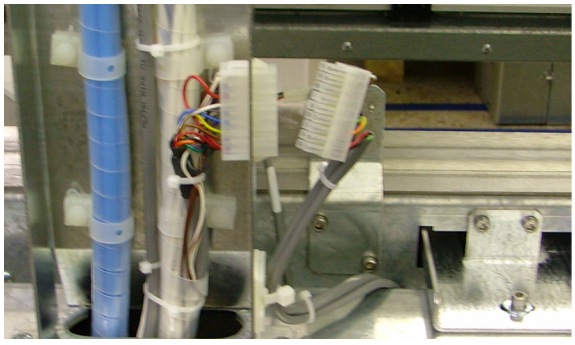
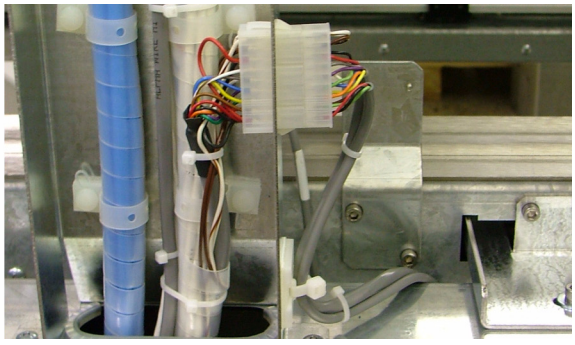
Note: When assembling any parts, apply Loctite® 242 adhesive onto all screw threads unless the procedure specifically states otherwise.

1. Use the two wooden support beams (supplied in the upgrade kit) to install the cassette feeder frame (part number xxx) into the autoloader. Be careful not to damage the cassette in autoloader detector.

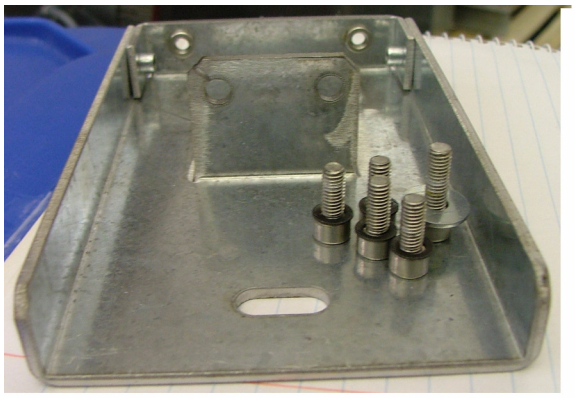
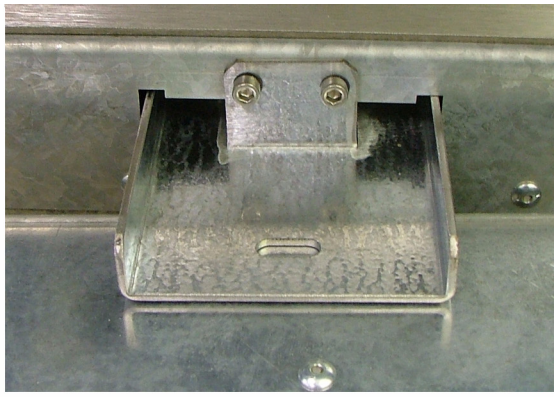
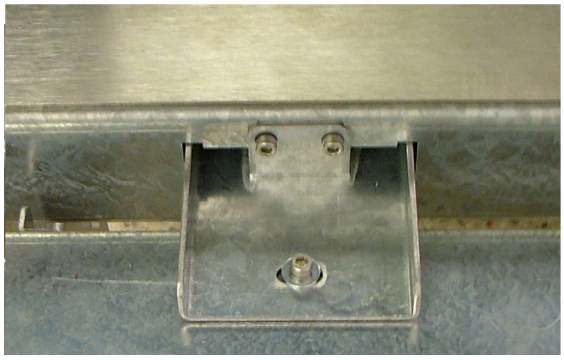
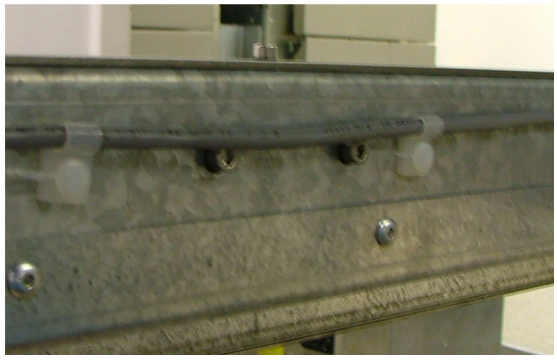


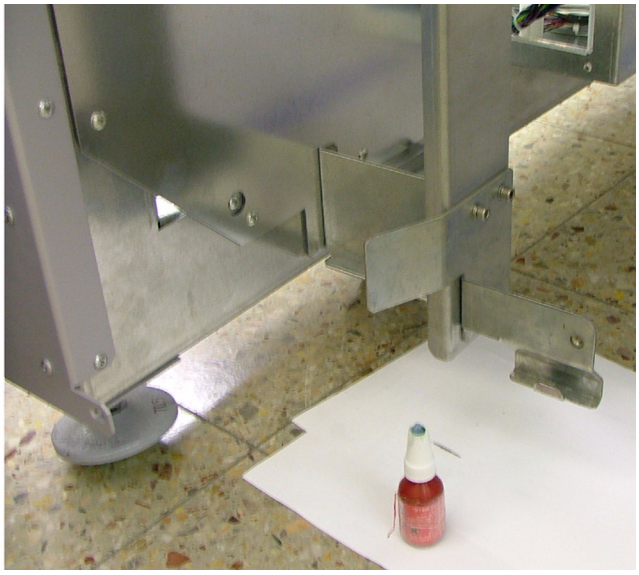
2. Connect the cassette in autoloader detector connector to the connector on the mainframe.

3. Use the six cassette feeder supports (part number xxx) to secure the cassette feeder frame to the autoloader.
   - Each cassette feeder support requires five screws. Insert the two outer screws first, then the large screw, and then insert the two inner screws.
   - Make sure the feeder supports are inserted the correct way around.

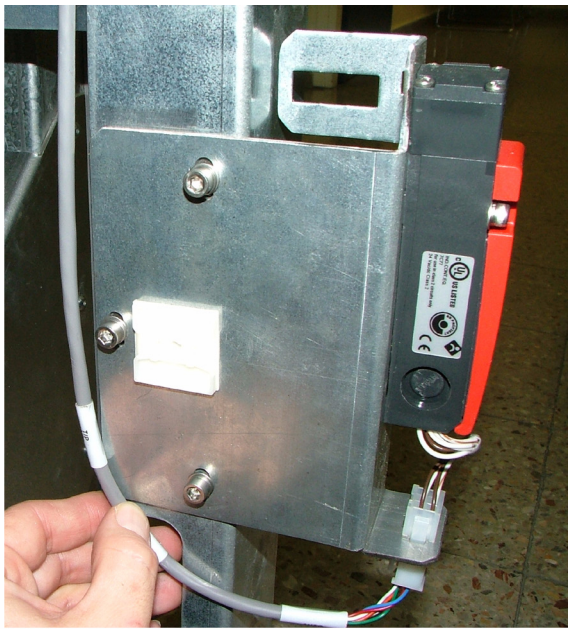





4. Use four screws to connect each of the two autoloader service panel supports to the mainframe.

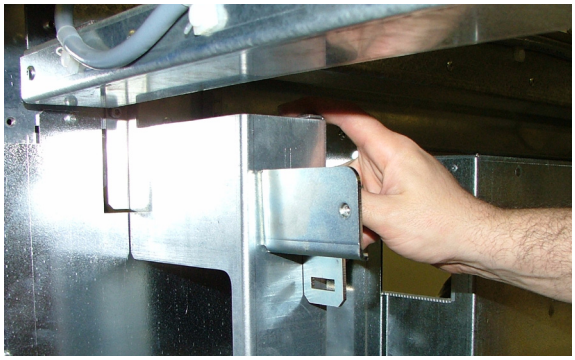



5. Use three screws to connect the safety interlock switch and associated bracket to the mainframe. After installing the safety interlock switch, connect its connector to the safety interlock switch cable and secure with cable ties.

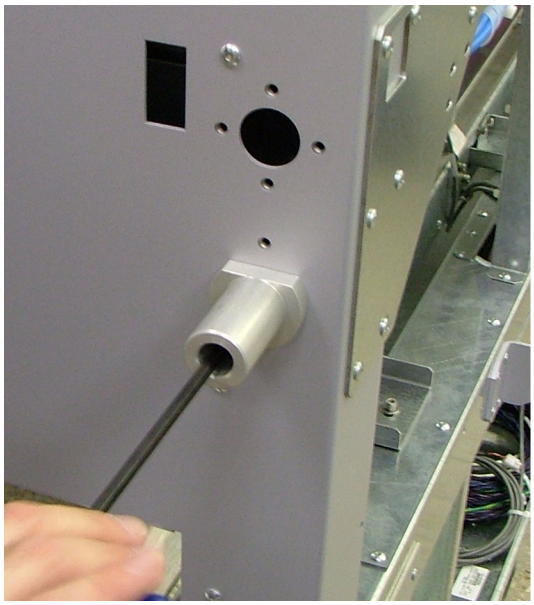




6. Install the two upper autoloader service panel supports to the mainframe.



7. Install the autoloader's upper and lower spacer screws.





8. Reinstall the corner panels. If required punch out the holes on the corner panel to accommodate a multi-cassette autoloader configuration.

9. Install the cassette feeder cover.



10. Install the multi-cassette unit's service panel.

11. Close the top covers.

12. Reinstall the paper disposal slide.

Completing the Upgrade

1.	On the platesetter, perform the following actions: ▪ Use the Backup and Restore Tool (BART) to save the operational parameters of the platesetter. See TechPlanet procedure *Backup and Restore Tool (BART)* http://techplanet.creo.com/output/computer_to_plate/magnus800/content/Controls/BART.htm ▪ Manually save the platesetter's database.
2.	Install the multi-cassette autoloader to the platesetter. See TechPlanet installation procedure *Magnus 800 multi-cassette autoloader Installation Guide.* http://techplanet.creo.com/AgileContent/Extranet/731-00614C94259961.pdf
3.	Reinstall the *Kodak Magnus* Controller software to reflect the current configuration. See TechPlanet *Release notes for Magnus Controller software version 1.04* (Installing Magnus Controller). http://techplanet.creo.com/output/computer_to_plate/magnus800/nav/reference/htm#rn
4.	Optimizing the cassette tray's position. See TechPlanet procedure *Optimizing the cassette tray's position in relation to the Magnus 800 autoloader plate picker arm* http://techplanet.creo.com/output/computer_to_plate/magnus800_al/content/Procs/M8AL_proc_OptimizeCassPoss.htm
5.	Optimizing the Magnus 800 autoloader plate picker sequence parameters. See TechPlanet procedure *Optimizing the Magnus 800 autoloader plate picker sequence parameters* http://techplanet.creo.com/AgileContent/Extranet/731-00973B-EN102525389.pdf