FCO 512-00477A: Drum Driver and Distribution Board

Document part number: 653-01507A
Internal document number: 719-00924A-A

Product	FCO priority
Kodak® ThermoFlex® Mid and Mid II	Next failure

Component Drum driver and distribution board

Background

The error message “Drum go to position” or “Speed time out” appears.

Solution

Replace the drum driver and the distribution board.

Time required 3 hours

Parts required

Part Number	Part Name	Quantity
503-00257C	Drum Driver 2 IMP board assy	1
503C2L605V	Flexo power distribution board	1
709-00999A	Packing instructions	1
258-00166A	Packaging	1
651-00841A	FCO updater	1
719-00924A	FCO document	1

Tools required

- Bulldog screwdriver
- Hex screwdriver
- Crosshead screwdriver
- Wrench

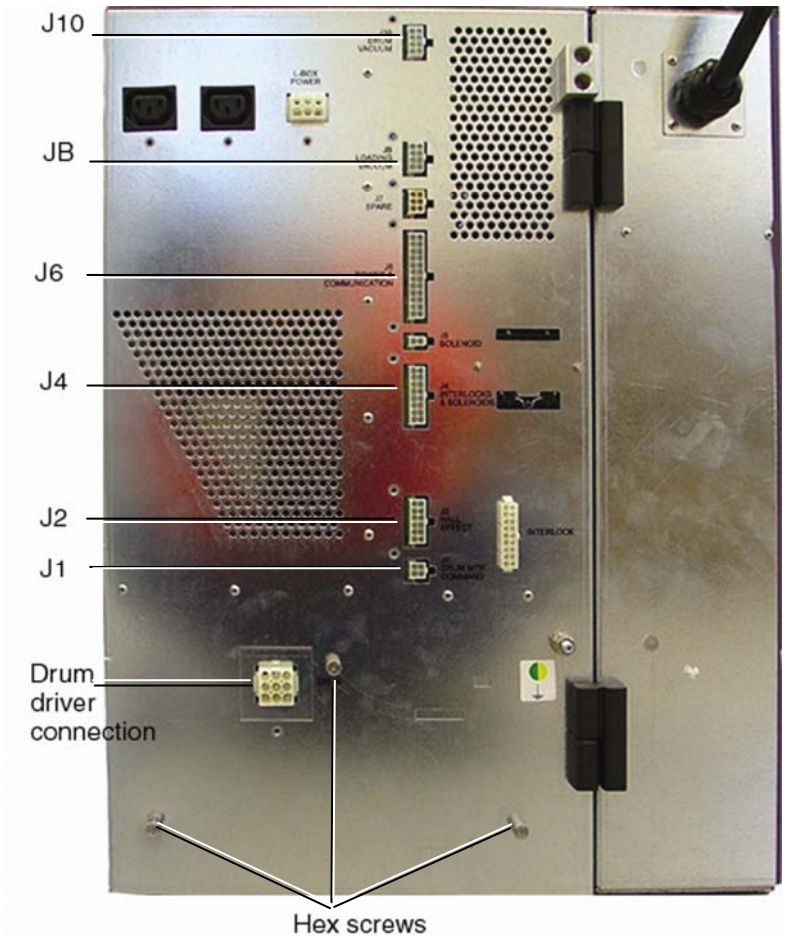
Removing the drum driver and the distribution board

To access the drum driver:

1. From ThermoFlex Controller, open the service door (Mid II) or rear door (Mid).
2. Open the side doors and remove the lower back panel and trapezoid to allow access to the distribution box.
3. Turn off the platesetter.
4. On the right side of the distribution box, loosen the two cross-head screws and then open the distribution box door.

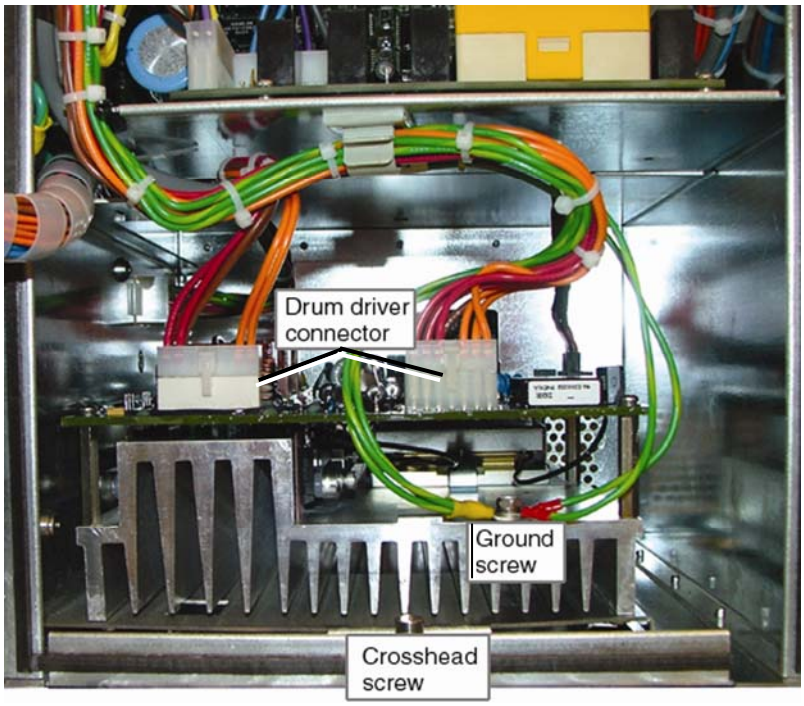
To release the components on the external left side of the distribution box:

5. Remove the three cross-head screws.
   Note: Use a bulldog screwdriver to access the two screws that are farther back.
6. On the left side of the distribution box, disconnect the drum driver cable from the drum driver molex.
7. Disconnect the following distribution board connectors:
   - J10 drum vacuum
   - JB loading vacuum
   - J6 power and communication
   - J4 interlock
   - J2 hall effect
   - J1 drum MTR command



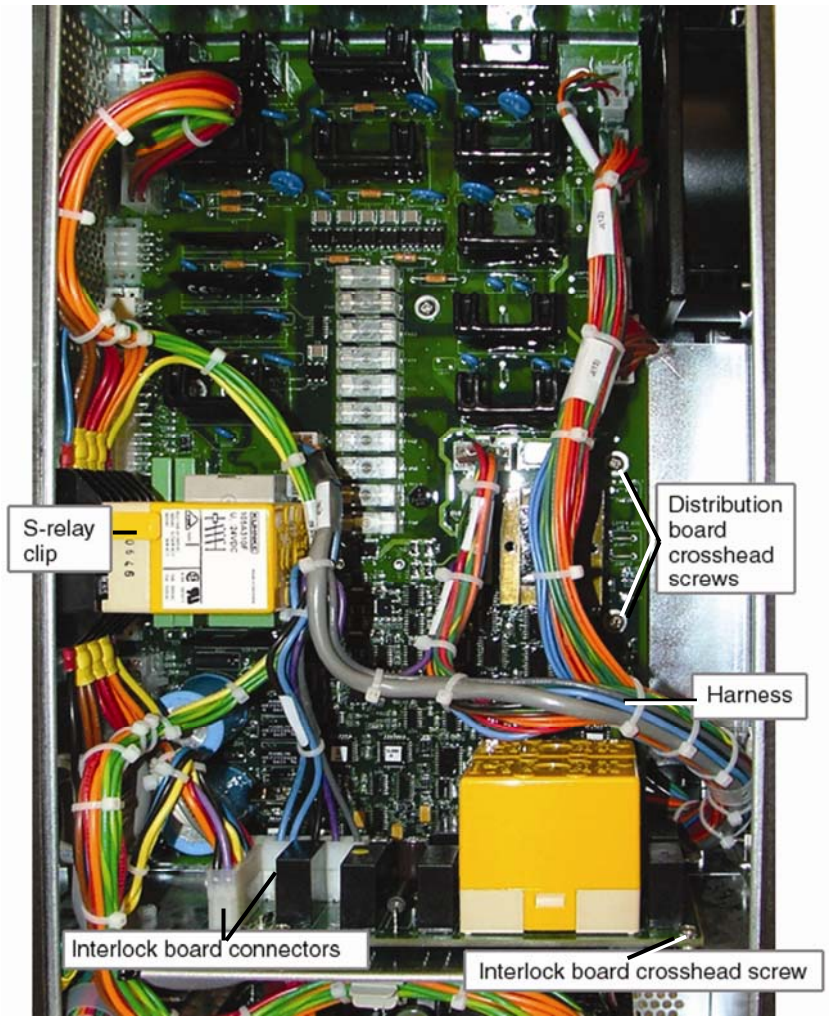
To release the drum driver:

8. Open the distribution box door.
9. Inside the distribution box, at the center bottom of the distribution box, remove the cross-head screw.
10. Use a wrench to open the ground screw.
11. On the drum driver, disconnect the two connectors.
12. Remove the drum driver from the distribution box.



To release the distribution board:

13. Disconnect the eight harness connectors.
14. To remove the S-relay, release the front and back clips.
15. To remove the interlock board, disconnect the two connectors and remove the five cross-head screws.
16. Remove the eight crosshead screws that secure the distribution board.
17. Pull the distribution board out of the distribution box



Installing the drum driver and distribution board

To install the distribution board:

1. Insert the distribution board and secure it with the eight crosshead screws.
2. Insert the interlock board, secure it with the five screws, and connect the two connectors.
3. Install the s-relay.
4. Connect the eight harness connectors.

To install the drum driver:

5. Install the drum driver in the distribution box.
6. Connect the two drum driver cables.
7. Use the wrench to tighten the ground screw.
8. Tighten the cross-head screw.

To complete the connections on the external left side of the distribution box:

9. Close the door of the distribution box.
10. Connect the six cables that you disconnected in step 7.
11. Connect the drum driver cable.
12. Tighten the three cross-head screws.
13. Close all platesetter panels and doors.

Test

1. Turn on the platesetter.
2. Run diagnostics for all drum functions.
3. Expose a plate and examine the results to confirm that the operation is running smoothly.

FCO Updater Utility

After completing the FCO procedure, insert the FCO Updater Utility CD into the CD-ROM drive and run the utility.

Material disposition	**Important**: Pack used components *exactly* according to the instructions (PN 709-00999A). Use the package (PN 258-00166A) to return the used components to KIL.
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