Kodak

FCO 512-00387A
Installing a carriage amplifier with a cooling element on a Lotem 800 Quantum (Type I) platesetter

Document number: 719-00734A Rev C

Product *Kodak Lotem* 800 Quantum (Type I mainframe) platesetter **FCO priority** Next failure

Background

The existing carriage amplifier overheats because it does not feature an adequate cooling mechanism. This FCO describes how to replace the carriage amplifier's turbo master control electronics (TMCE) tray with an improved TMCE tray containing a fan and heat dispersion element.

Solution

Replace the carriage amplifier's TMCE tray with an improved TMCE tray containing a fan and heat dispersion element.

Time required One hour

Parts required

Part Number	Part Name	Quantity
220-00912A	Fan wiring	1
220-01895A	CA fan adapter	1
252-03127A	HDWR, thermal interface, T-flex 620, 2" x 4"	2
252-12678A	Carriage amp. Heat sink L8Q Type 1	1
297A5A009	Board tray	1
380A0A5041	SOC HD CAP STST 8-32* 3/8	4
380A0A5161	SOC HD CAP STST 8-32* 1 1/4	2
382G11000	Int tooth L/W ST ST #8	6
391A60663	W/A box 425x385x70	1
719-00734A Rev C	FCO document	1
651-00666A	FCO tracker	1

Procedure

1. Open the platesetter's upper-front cover.
2. Turn off the platesetter via *Kodak Lotem* Controller.
3. Open the left-side door.
4. Remove the electronic tray cover.

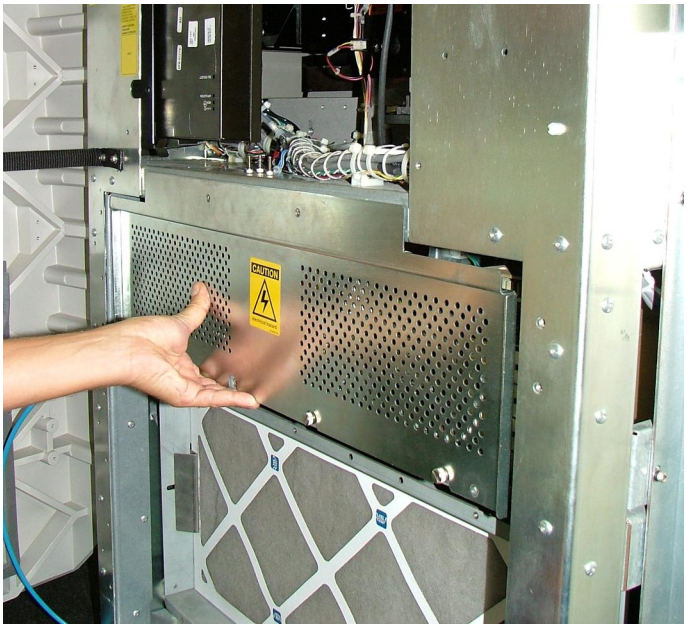


Figure 1: Remove electronic cover

5. Disconnect all the TMCE connectors from the TMCE board.
6. Disconnect the air tube from the TMCE board.

7. Extract the TMCE tray from the platesetter and put it to one side.

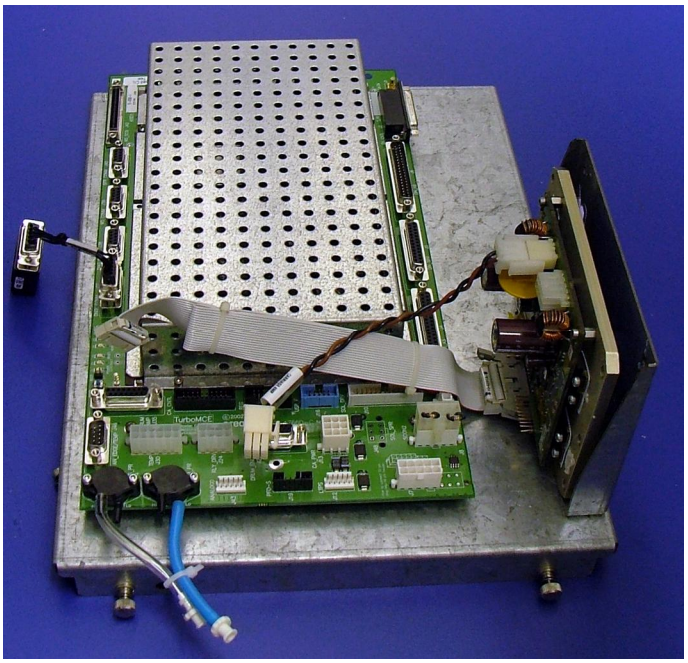


Figure 2: Extract TMCE tray from platesetter

8. Remove the six screws securing the carriage amplifier board assembly to the carriage amplifier bracket, and then remove the carriage amplifier assembly.

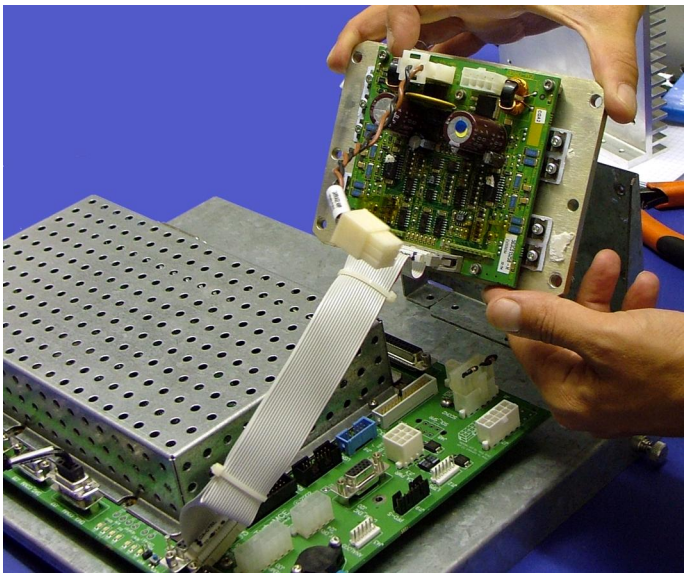


Figure 3: Remove the carriage amplifier board assembly

9. Remove the eight screws securing the TMCE board to the TMCE tray, and then discard the TMCE tray.

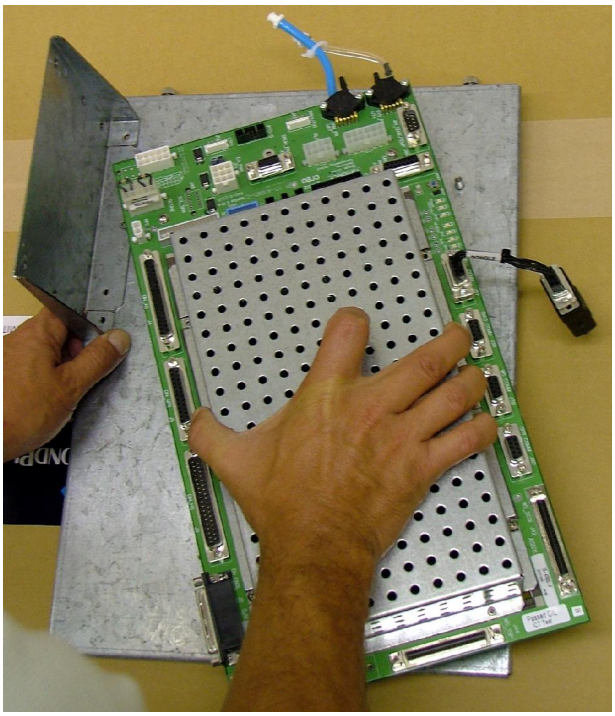


Figure 4: Remove TMCVE board from TMCE tray



Figure 5: Discard the TMCE tray

10. Install the carriage amplifier cooling element on to the replacement TMCE tray (supplied in this kit).

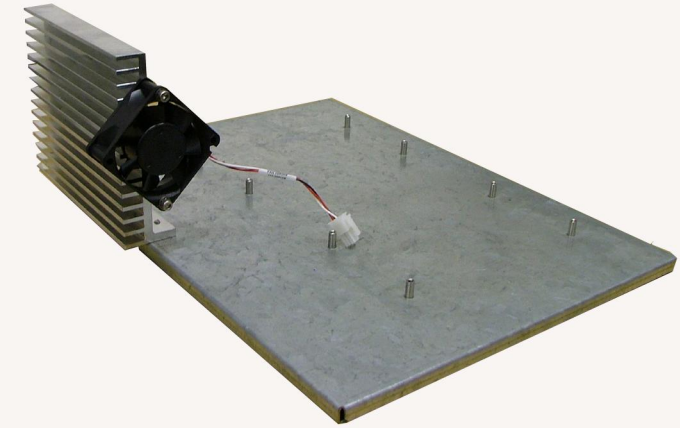


Figure 6: Install carriage amplifier cooling element

11. Install the TMCE board on to the TMCE tray.

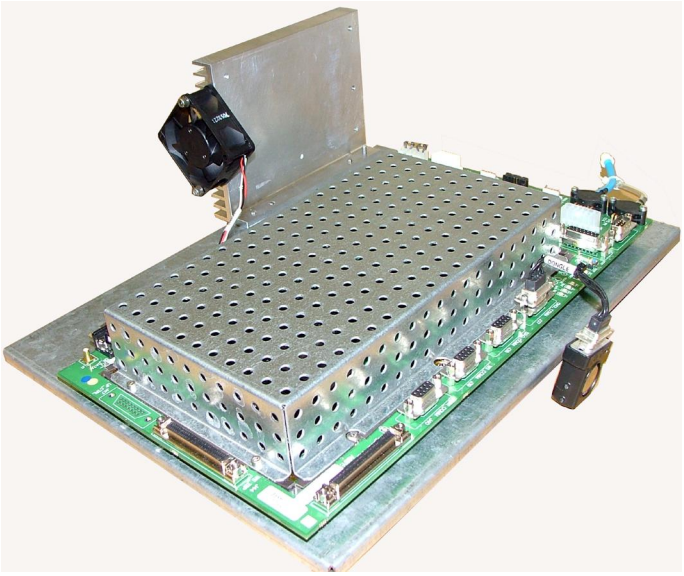


Figure 7: Install TMCE board on to TMCE tray

12. Install the carriage amplifier board assembly on to the carriage amplifier cooling element.

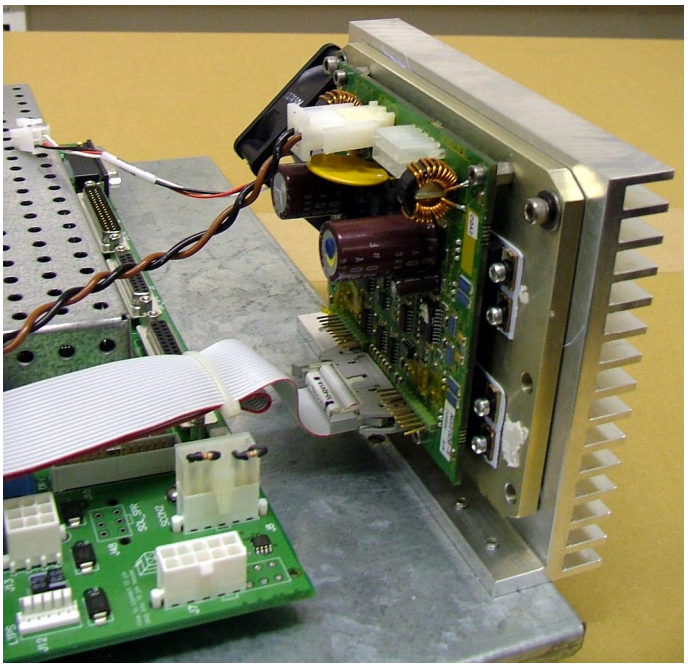


Figure 8: Install TMCE board on to TMCE tray

13. On the platesetter, connect the carriage amplifier fan cable (supplied in this kit) to the connectors on the 24 V power supply.

    Important: Connect the blue amplifier fan cable to the “+” connector and connect the black amplifier fan cable to the “-” connector.

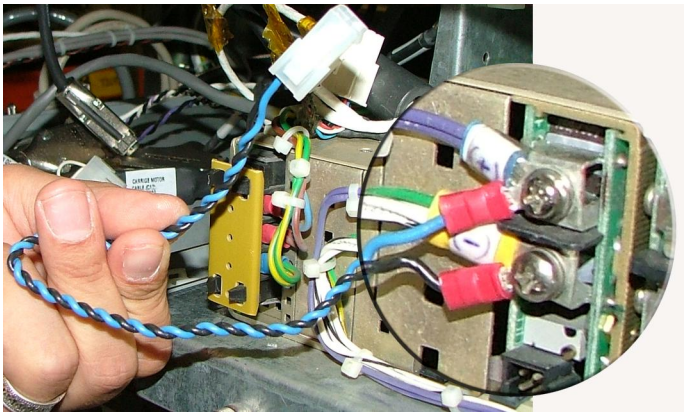


Figure 9: Connect amplifier fan cable to 24 V power supply

14. Install the TMCE tray into the platesetter.
15. Connect the amplifier fan cable connector to the amplifier fan.
16. Connect all the relevant connectors to the TMCE board.
17. Reinstall the electronic tray cover, see Figure 1 on page 1.
18. Close the left-side door.
19. Close the platesetter upper-front cover.
20. Turn on the platesetter via *Kodak Lotem* Controller.
21. Expose a customer's plate, and make sure the operation runs smoothly.

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