FCO CA13418: EMC Fix For Trendsetter CL/AL/NEWS with TH1.7

Internal document number: 719-00957A Rev A

Product

- Kodak® Trendsetter® Autoloader
- Kodak Trendsetter NEWS™
- Kodak Trendsetter ContinuousLoad

FCO priority

Next PM

Machines affected All GMCE Trendsetter CL, AL and NEWS devices with TH1.7

Component Power Box

Background

This FCO must be installed on all Trendsetter AL, CL and NEWS output devices with TH1.7 thermal imaging heads, in order to meet legal EMC (electro-magnetic compatibility) standards.

The FCO reduces the EMI (electro-magnetic interference) caused by power supplies PS3 and PS4 for the TH1.7 head power and the drum motor.

Solution

Install a filter cable at the PS3 and PS4 power supply connectors and a filter cable at the drum brake board.

Time required Approximately 0.5 hr

Parts required

Part Number	Part Name	Quantity
512-00487A	KIT,FCO,EMC FIX FOR TH1.7 AL/NEWS/CL,TS	1
Contains:		
719-00957A	DOC,FCO UPGRADE,EMI-FILTER,TS	1
220-02464A	CAB,ASSY,PS3 & PS4 EMI FILTER,TS	1
220-02465A	CAB,ASSY,MDM-MD,FILTER,TS8	1
252-18344A	FAB,BRKT,EMI FILTERED 4-TERMINAL,TS	1
52-3275	SCRW,M5*12,SOCK-CAP,S-PLATED	2
52-4387	WASH,M5,LOCK,EXT TOOTH,SS	2
52-4460	SCRW,M4*16,SOCK-CAP,S-PLATED	2

Upgrade Procedure

1. Turn off the device power and open the power box.
2. Mount the filter cable assembly (220-02464A) on the supplied filter bracket (252-18344A) with the two M4*16 socket cap screws.

3. Remove the thermal head DC power cables from PS3 and PS4.
4. Attach the yellow and black wires from the filter cable to PS3, as shown in Figure 1.
5. Attach the red and black wires from the filter cable to PS4, as shown in Figure 1.
6. Mount the filter bracket onto the power supply tray with the supplied M5*12 sock cap screws and lock washers. Secure the ground wire under the screw on the right side of the bracket. See Figure 1.

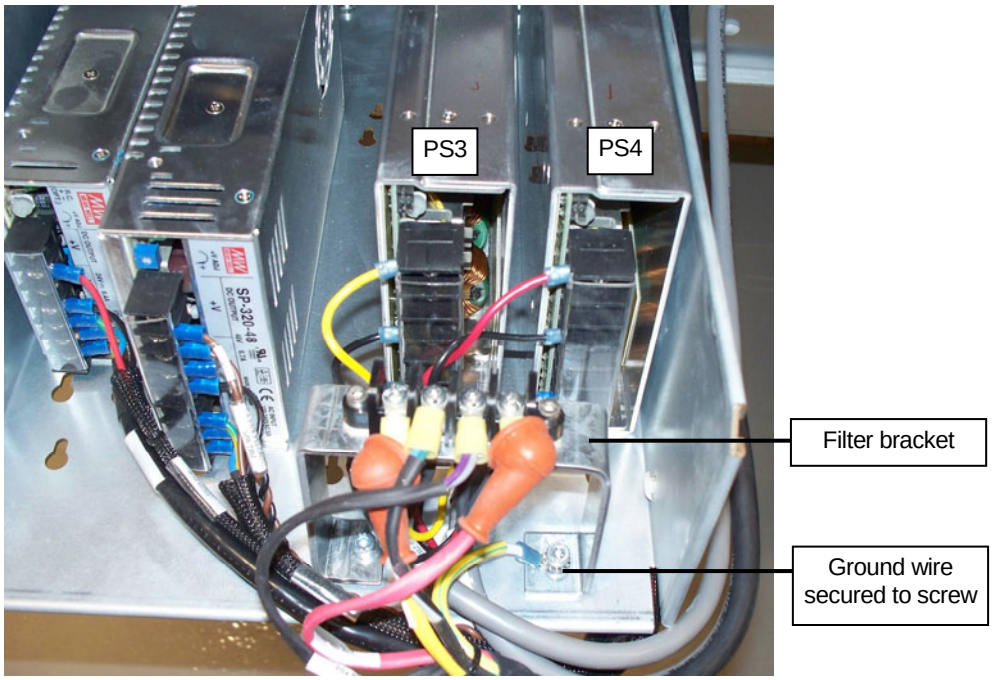


Figure 1: Filter cable assembly installed

7. Attach the PS3 thermal head cable to the filter terminal, as shown in Figure 2. The leftmost terminal is for PS3 +48V, and the terminal immediately to its right is for PS3 return. Check the labeling on the cable.
8. Attach the PS4 thermal head cable to the filter terminal, as shown in Figure 2. The rightmost terminal is for PS4 +48V, and the terminal immediately to its left is for PS4 return. Check the labeling on the cable.

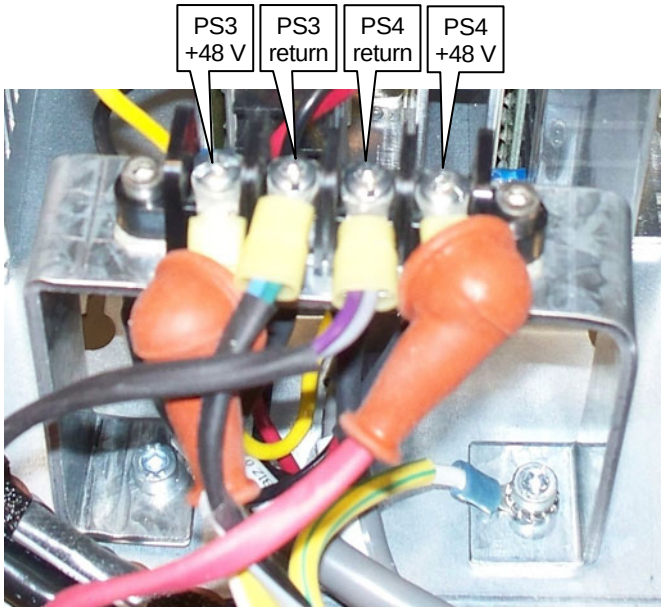


Figure 2: Filter bracket terminals

9. Remove the drum motor power cable from drum brake board connection J3.
10. Install motor filter cable assembly 220-02465A between the drum brake board J3 and the drum motor power cable, as shown in Figure 3.

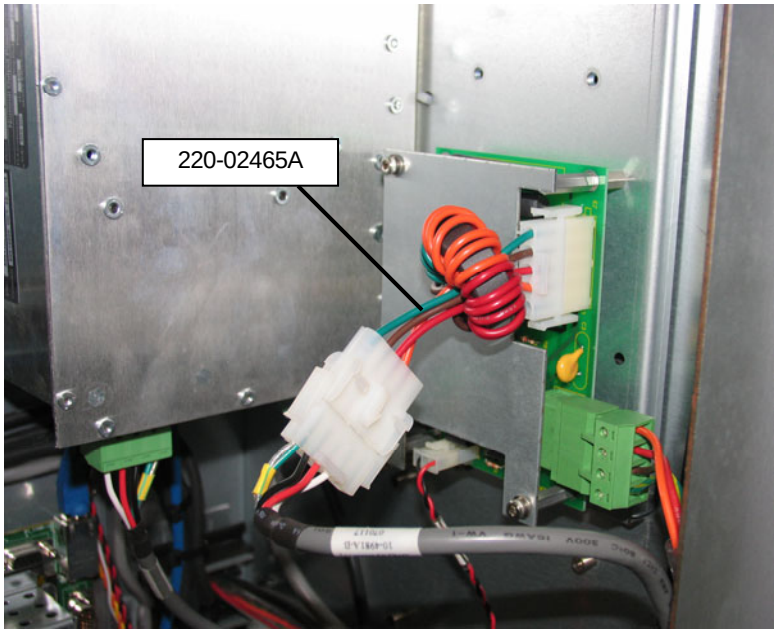


Figure 3: Drum motor filter cable installed

11. Close the power box and turn on the power to the Trendsetter output device.
12. Submit a job from the workstation to verify that the Trendsetter operates correctly.

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