Field Change Order

ECO #	
Description:	Replacement of Main Transformer
Product affected:	TS3244
Priority:	Next Service Call
Action:	Replace transformer and Carriage PS on next site visit
Machines affected:	S12, S22, S24, S25, S28, S29, S36, S37, S41, S47, S50-53, S55, S63, S64
Installation time:	1 hr.
List Price:	
Release Date:	11/21/97

Detailed Description:
Problems were discovered with the main toroid transformer which can result in the drum amp failing due to high voltage. This FCO also involves replacing the linear PS for the carriage driver board to a switching type.

Special tools required:

Parts needed:

Part no.	Description	Quantity
13-4726	Toroid Transformer	1
13-3236	2A Fuse	1
10-3590B	40W Switching Power Supply	1
57-1556A	Adapter Plate	1
74-3089B	Line Voltage Jumper Label	1

Version changes:

Part Changed (Description)	Old Version	New version

Version change notes:
Old Parts:

Procedure:

1. Turn off Trendsetter and unplug mains.
2. Open the fanbox and locate the main toroid transformer.
3. Disconnect the transformer cabling from the DIN rail (terminal block) at positions 1,3, 7-12.

4. Remove the transformer by removing the nut and lockwasher from the centre of the transformer and lifting the transformer off the stud.
5. Install the new transformer on the stud, install the lockwasher, and tighten the nut.
6. Connect the cabling for the new transformer to the terminal block as follows: (see fig. 1)
   - Location 1 - Red — Location 9 - White
   - Location 3 - Yellow — Location 10 - Black
   - Location 7 - Brown — Location 11 - Grey
   - Location 8 - Violet — Location 12 - Orange
7. Locate the Line Voltage Jumper label and place the new label over the old one.
8. Close the fanbox and open the powerbox.
9. Locate fuse F11 on the lower right of the Power Distribution Board. It is labeled “Ion”.
10. Replace the existing slowblow fuse in F11 with the 2A fuse provided.
11. Locate PS3, which is the low voltage linear power supply mounted above the carriage driver board on the side of the cardcage. It is plugged into connector J3 on the Carriage Driver Board.
12. Disconnect the input and output voltage connectors for PS3.
13. Remove the 4 mounting screws for PS3 and remove and discard the power supply.
14. Install the new power supply by mounting the supplied adapter plate to the existing M4x16 stand-offs on the side of the cardcage. Mount the new power supply to the mounting plate.
15. Connect the input voltage connector for the new PS3 to the 1x3 molex connector labeled “PS3 Input”.
16. Plug the output voltage connector for the new PS3 to connector J3 on the Carriage Driver Board.
17. Plug in mains and power up Trendsetter.

S12	Dainippon Screen	Japan
S22	Horsell Graphics	England
S24	La Galiotte Prenant	France
S25	IRL - Lausanne	Switzerland
S28	Alpha Druckereiservice	Germany
S29	Ortmaier	Germany
S36	Agfa Mortsel	Belgium
S37	Man Roland	Germany
S41	Graphicas Otzaretta	Europe
S47	Polychrome UK.	Spain
S50	Agfa Weisbaden	Germany
S51	Imprinta	Europe
S52	Watmoughs Graphics	England
S53	Fuji	Japan
S55	Mitsubishi	Japan
S63,S64	Dainippon Screen	Japan