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Previous Newsletters None

IBM 5103

Printer

Maintenance Information Manual

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This Technical Newsletter provides replacement pages for the subject publication. Pages to be inserted and/or removed are:

1-7, 1-8

1-51, 1-51.1

1-51.2, 1-52

Reader's comment form

A technical change to the text or to an illustration is indicated by a vertical line to the left of the change.

Summary of Amendments

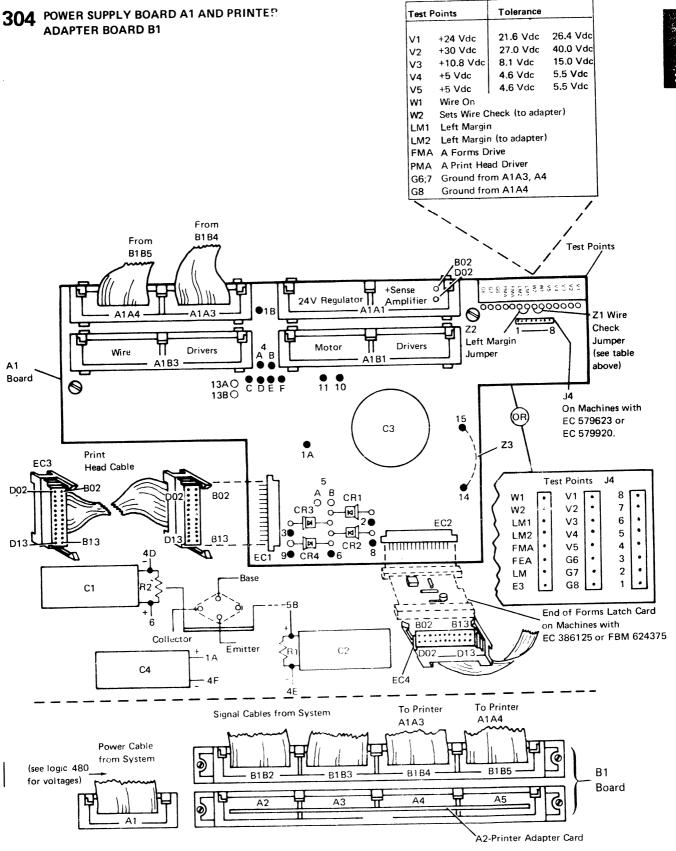
Additions to text have been made for the inclusion of ribbon cartridge procedures. Minor alterations of text have been made for accuracy and clarity.

Note. Please file this cover letter at the back of the manual to provide a record of changes.

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303, 304





Covers

310 PRINTER COVER

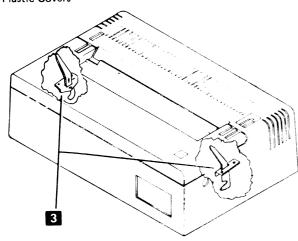
Adjustment

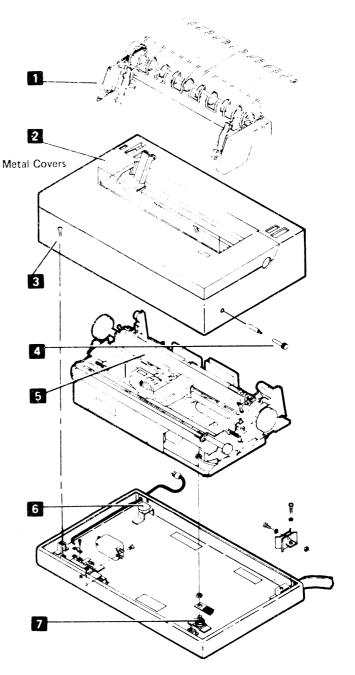
- Center the platen knobs vertically and maintain a gap of 1/8 inch to 5/32 inch (3.18 mm to 3.96 mm) between the top cover 2 and the forms tractor 1 by adjusting the pads 6 in back and the double nuts in front.
- Position the printer horizontally on the double nut stude 7 to center the paper release lever.

Removal

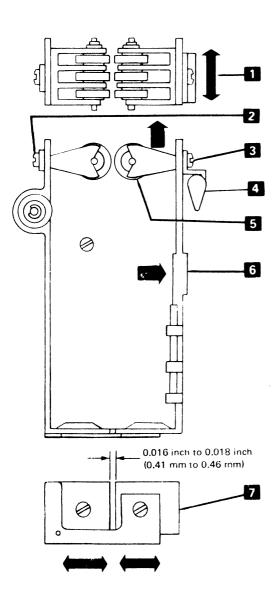
- 1. Power down.
- 2. Remove the forms tractor unit (324).
- 3. Remove the platen (320).
- 4. Pull off the horizontal fine adjustment knob 4 on metal covers; on plastic covers, loosen the set screw first.
- Remove the sliding covers if the machine has plastic covers.
- 6. Loosen the fasteners 3 and remove the covers. Some covers have screws for fasteners.
- 7. To replace, reverse this procedure.

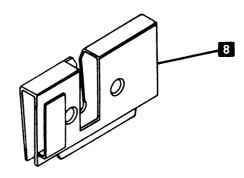
Plastic Covers

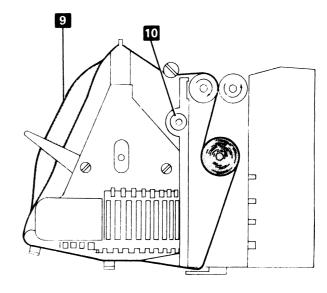




- Thread the other end of the ribbon as shown. The 9. half twist should now be beside the horizontal guides.
- 10. Take up ribbon slack by rotating the knurled knob 10 . Guide the ribbon between the horizontal guides so that 1/4 turn counterclockwise is on each side of the guide.
- 11. Close the cover, restore the forms tractor to operating position, and power up.



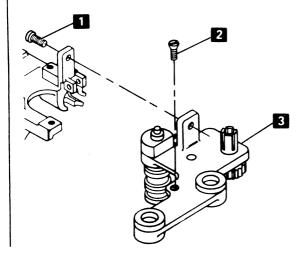




377 RIBBON CARTRIDGE ADAPTER PLATE ASSEMBLY

Removal

- 1. Power down.
- 2. Remove the printer cover (310).
- 3. Remove the ribbon cartridge (379).
- 4. Remove the print head cover (360).
- 5. Remove the ribbon drive lines (373).
- 6. Remove the adapter plate assembly mounting screws 1 and 2 .
- 7. Lift the adapter plate assembly **3** from the machine.
- 8. To reinstall the adapter plate assembly, reverse this procedure.

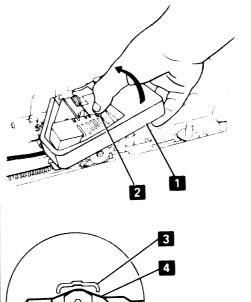


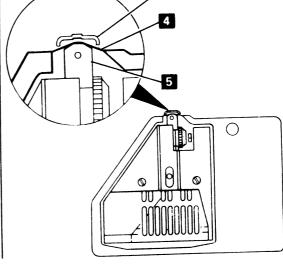
377, 378

Maintenance

378 RIBBON CARTRIDGE CHANGING

- 1. Power down.
- 2. Open the top cover.
- Grasp the cartridge 1 in your right hand. Press your thumb down on the cover mounting screw while lifting the wide part of the cartridge until the cartridge releases upward.
- 4. Lift the cartridge free of the print head and dispose of the cartridge.
- 5. Obtain a new ribbon cartridge.
- 6. Guide the exposed ribbon 4 between the print head tip 5 and the ribbon shield 3.
- 7. Lower the cartridge into place around the print head. Press down on the cartridge until it firmly seats.
- 8. Move the print head left and right to ensure proper seating of the cartridge and proper feeding of the ribbon. The ribbon should move freely, right-to-left past the print head tip.
- 9. Close the cover and power up.





Power

380 POWER TRANSFORMER

Removal

- 1. Remove power to the printer.
- 2. Separate the printer from the power supply (311).
- 3. Remove the following leads from TF1:
 - a. Neutral TB1-10 and phase A TB1 connection as shown in the chart on 384 (Pemove the leads from the bottom side of 783.)
 - b. Fan leads TB1-7 and TB1-10
- 4. Remove the four transformer mounting corevis 🔝
- 5. Remove the two screws from the fan mounting bracket 5.
- Disconnect the secondary leads from the power supply board 6, 7, and 8.
- 7. Lift out the transformer and fan.

Replacement

- 1. Connect the fan leads to the new transformer.
- 2. Set the transformer in place, being sure that the star washer 1 is under the left real log of the transformer (viewed from the front of the printer).
- 3. Install the four mounting screws in the transformer legs.
- 4. Connect the secondary leads into the power supply board as follows:
 - a. Black into 4B (lead 12) and 4C (lead 15) 6.
 - b. Blue into 3 (lead 14) and 9 (lead 16)
 - c. Red into 2 (lead 11) and 8 (lead 13)
- 5. Install the fan (two screws) 5.
- 6. Connect the neutral lead to TB1 40 and the phase A TB1 lead as shown on (384).
- 7. Complete the procedure by reassembling the printer on the power supply (311).

Note: Transformers with an internal shield have a ground lead that must be connected under a transformer leg when installing the transformer.

381 FAN

Removat

- Power down.
- 2. Remove the printer covers and separate the printer from the power supply (311).
- 3. Pernove the two fan leads from the transformer side of TB1-7 and TB1-10 2.
- 4. Hemove the two fan bracket mounting screws 5.
- 5 Lift the fan assembly out. (Make sure that the bracket clears the power supply board.)
- Remove the fan from the bracket. When reinstalling the bracket, be sure that the air flow direction arrow on the fan points toward the bracket.
- 7. Reinstall the fan by reversing this procedure.

READER'S COMMENT FORM

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Corrections or clarifications needed:

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