

GA23-1007-1

IBM 5218 Printwheel Printer
Setup Procedures



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**IBM 5218 Printwheel Printer
Setup Procedures**

Second Edition (May 1981)

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This manual describes the procedures used to set up the IBM 5218 Printwheel Printer after the printer has been unpacked and placed where you intend to use it. No special skills or tools are required to set up the printer. With this manual, you should be able to set up and check out your printer within a short period of time.

AUDIENCE

This manual is intended for customer personnel who are responsible for setting up the IBM 5218 Printwheel Printer.

CONTENTS

This manual has five sections:

- "Section 1. Setup and Checkout Procedure for the IBM 5218 Printwheel Printer," contains instructions for completing the unpacking of the printer, attaching the power cord, and checking out the printer.
- "Section 2. Attaching the Paper Support Table," contains instructions for attaching the optional Paper Support Table.
- "Section 3. IBM Sheet-Feed Paper Handler," contains instructions for attaching the optional IBM Sheet-Feed Paper Handler, loading paper, doing a print test, and removing the IBM Sheet-Feed Paper Handler.
- "Section 4. IBM Tractor Feed," contains instructions for attaching the IBM Tractor Feed, loading paper, doing a print test, and removing the IBM Tractor Feed.
- "Section 5. Printer Cable Attachment," contains instructions for attaching the printer cable to the IBM Displaywriter System.

PREREQUISITE PUBLICATION

The *Customer Planning Guide for the IBM Displaywriter System*, G544-0852, provides information needed to successfully prepare for the arrival and setup of the system. The guide discusses such topics as system component sizes and weights, furniture dimensions, supplies, and physical, electrical, and environmental requirements of the system.

RELATED PUBLICATION

IBM Displaywriter System Customer Setup Guide, G544-0858.

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INTRODUCTION

SHIPPING DAMAGE

If any of the printer components has physical shipping damage that will prevent setup, stop setup and call your local IBM branch office for service.

MISSING ITEMS

If your printer arrives with any items missing, such as a ribbon or power cord, call your IBM marketing representative. If in doubt about the units received, check your system order form.

OPTIONAL FEATURES

Your IBM 5218 Printwheel Printer may have been shipped with these optional features:

- Paper Support Table
- IBM Sheet-Feed Paper Handler
- IBM Tractor Feed

SETUP PROBLEMS

If you have any setup problems you cannot correct, do one of the following:

- Call your service representative when instructed, or when a given recovery procedure fails.
- For all other questions, call the IBM Office System Support Center (OSSC) for assistance. Use one of the following toll-free telephone numbers.

United States Outside of Texas (Including Puerto Rico)	800-527-9293
Within Texas, except Dallas	1-800-492-9774
Within Dallas	748-1560
Alaska, Hawaii and Guam	0-214-748-1560 (Call Collect)

ACCESS CODE

The last seven digits of the IBM 6580 serial number are your access code. This code is required whenever you call the IBM Office System Support Center (OSSC) for assistance. The serial number is on the back of the Electronics Module of the Displaywriter.

6580-XX- _____

SECTION 1. SETUP AND CHECKOUT PROCEDURE FOR THE IBM 5218 PRINTWHEEL PRINTER

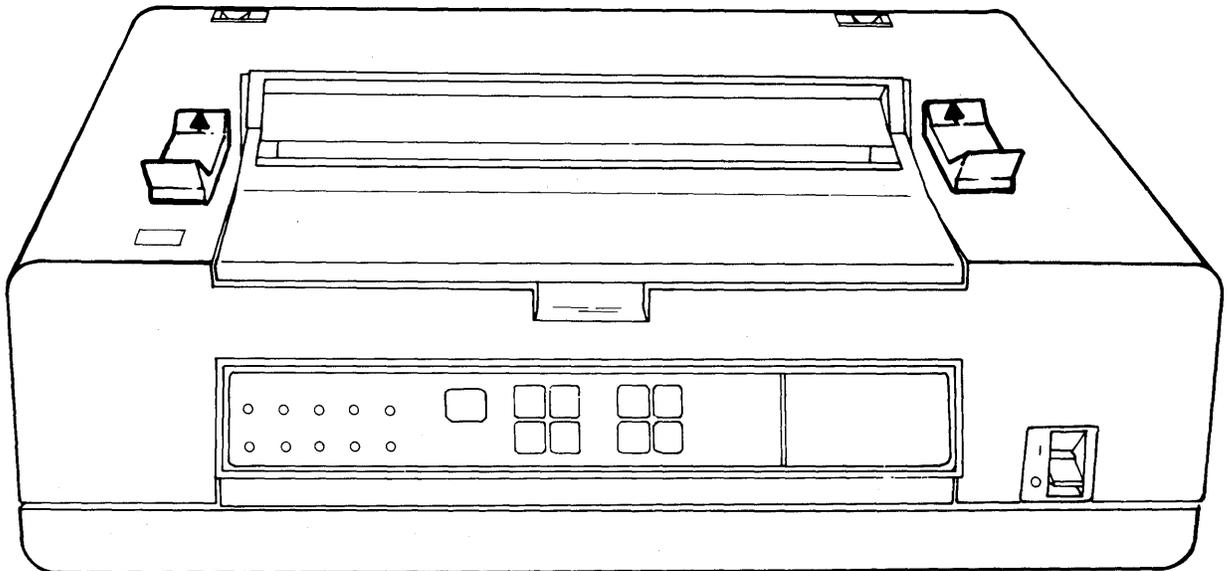
CAUTION: The IBM 5218 Printwheel Printer weighs approximately 29 kg (64 pounds); NEVER LIFT THE PRINTER BY YOURSELF.

Step 1. If you have not done so already, remove everything from the printer. These items include:

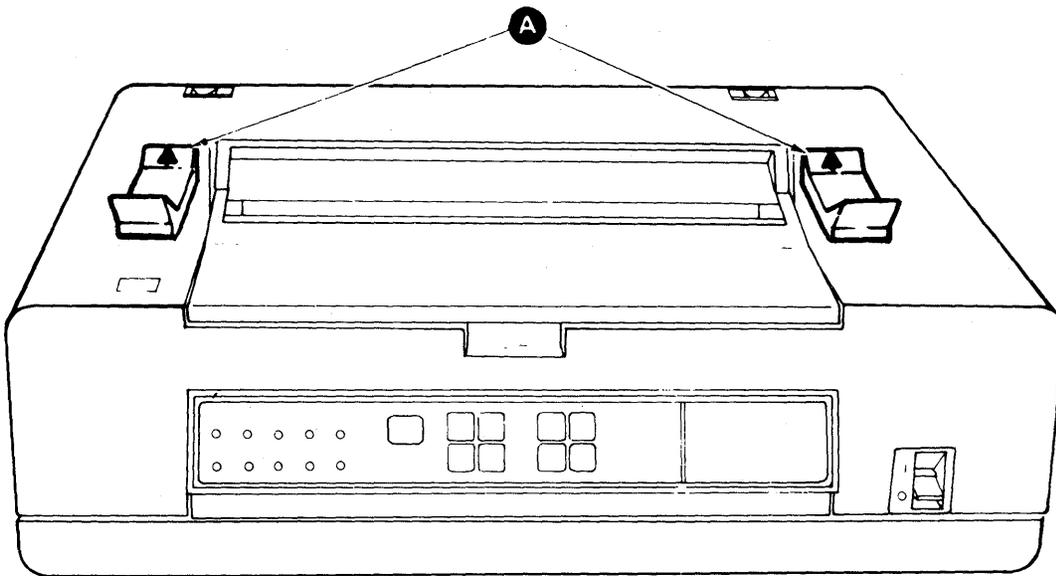
- Cover inserts (optional)
- Power cord and printer cable
- Tape
- Paper Support Table (optional)

If you ordered the 6 meter (19.7 feet) printer cable, it is enclosed in a bag. The 30 and 60 meter printer cables (98 or 197 feet) are packaged separately.

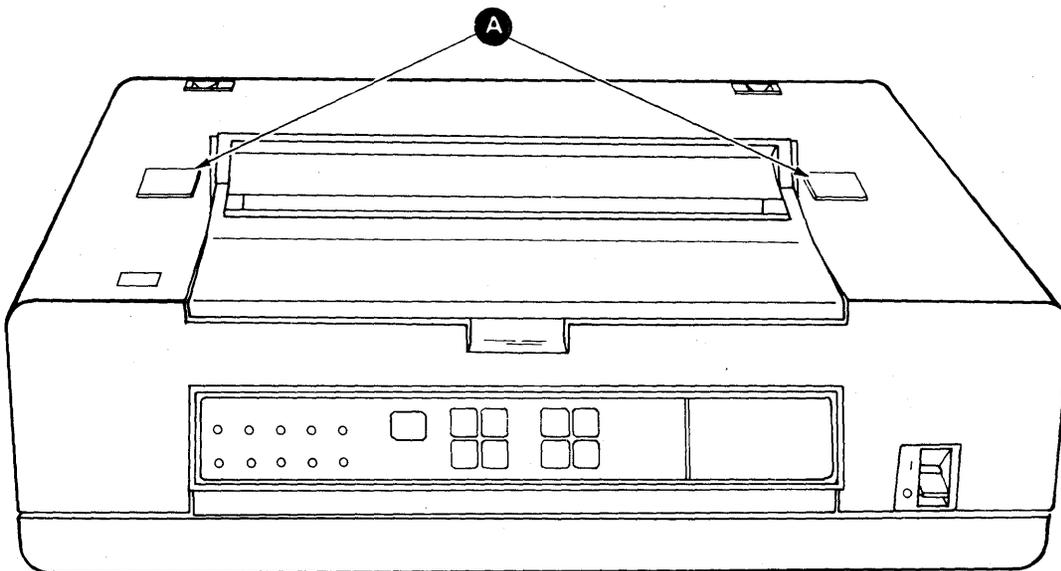
After removing everything, the printer should appear as shown:



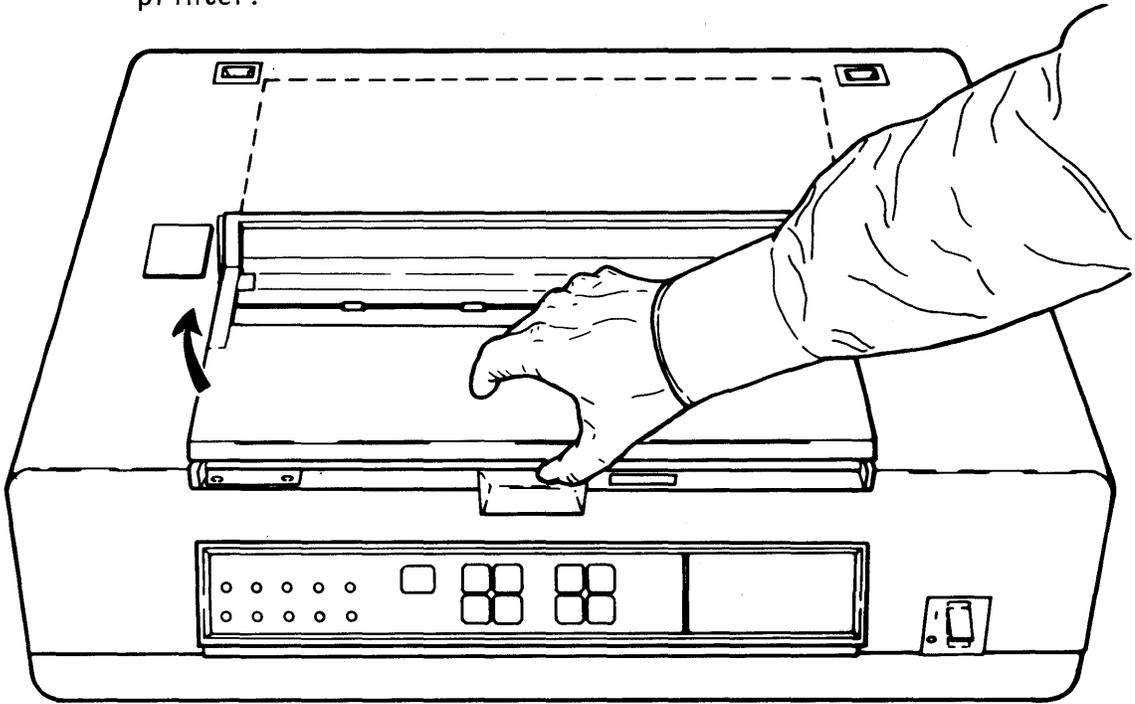
- Step 2. Remove the shipping restraints **A** by lifting straight up with force as required. The restraints can be reused if the printer is relocated, so keep the restraints.



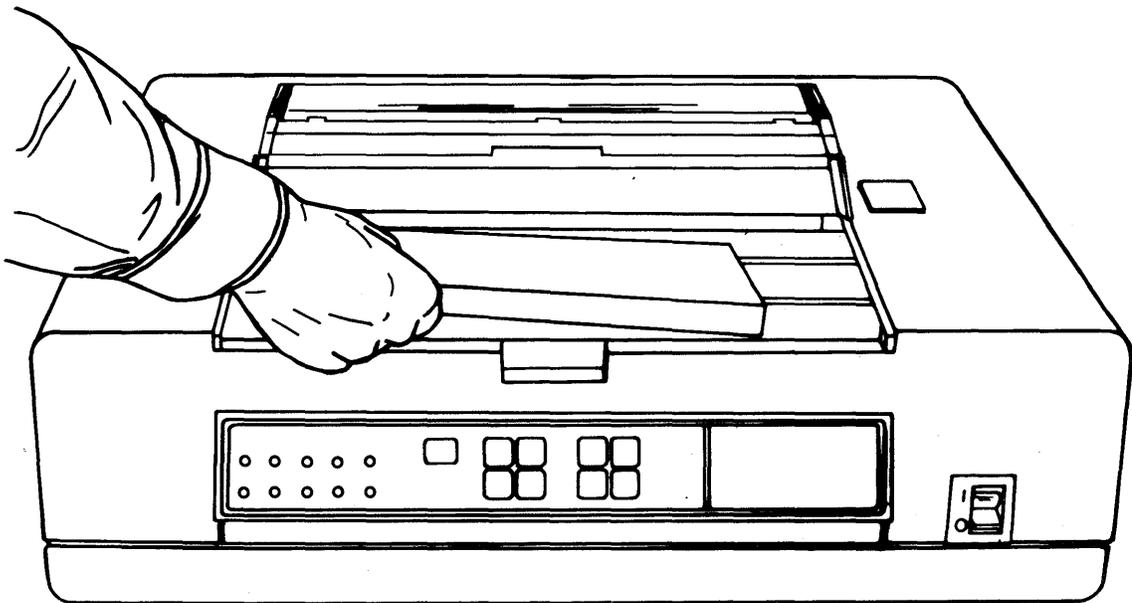
-
- Step 3. If no IBM Sheet-Feed Paper Handler or IBM Tractor Feed was ordered, attach the cover inserts **A** by pressing down until they snap into place. The cover inserts were packaged with the printer.



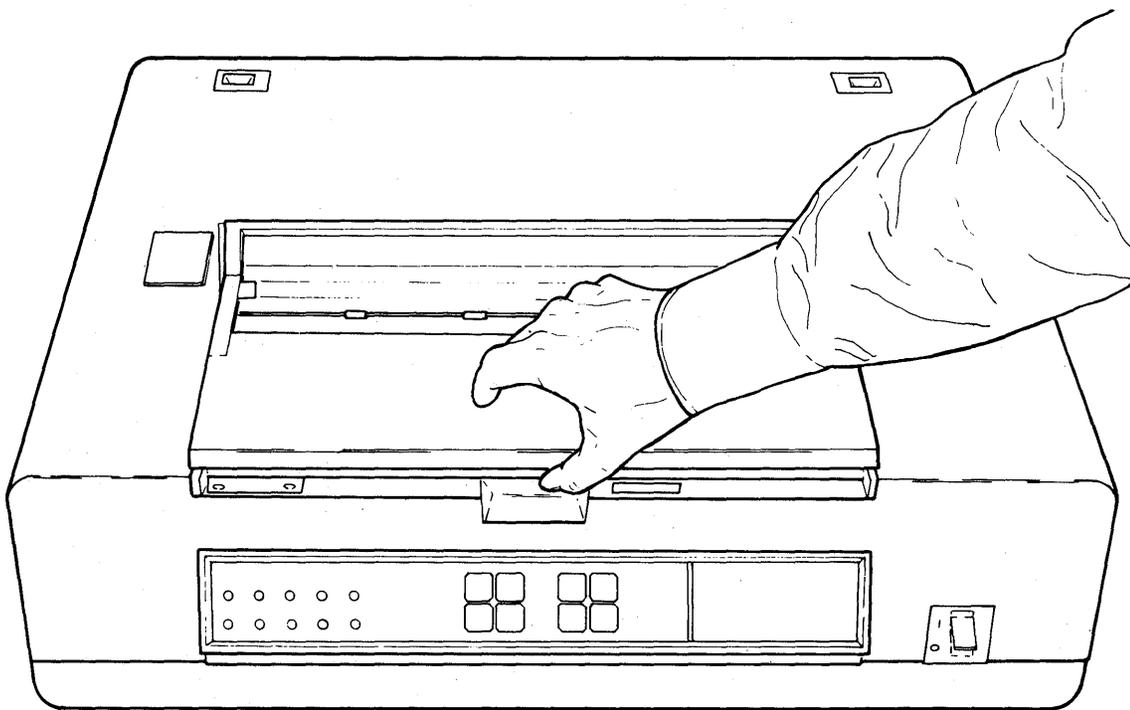
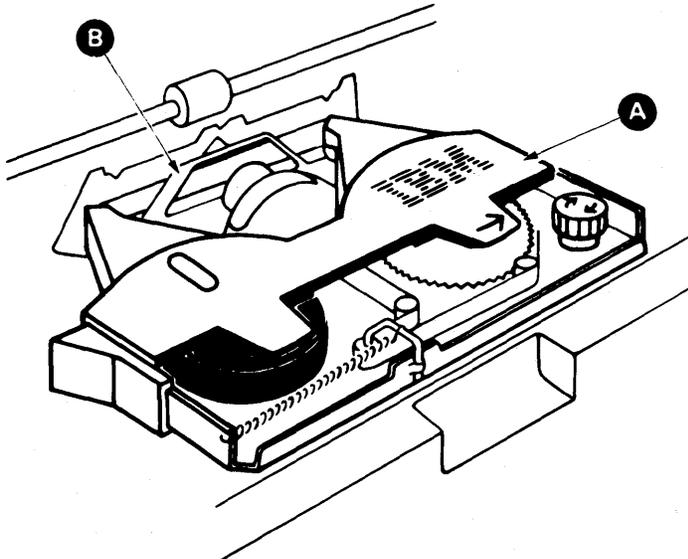
Step 4. Lift the printer cover fully until it rests on the top of the printer.



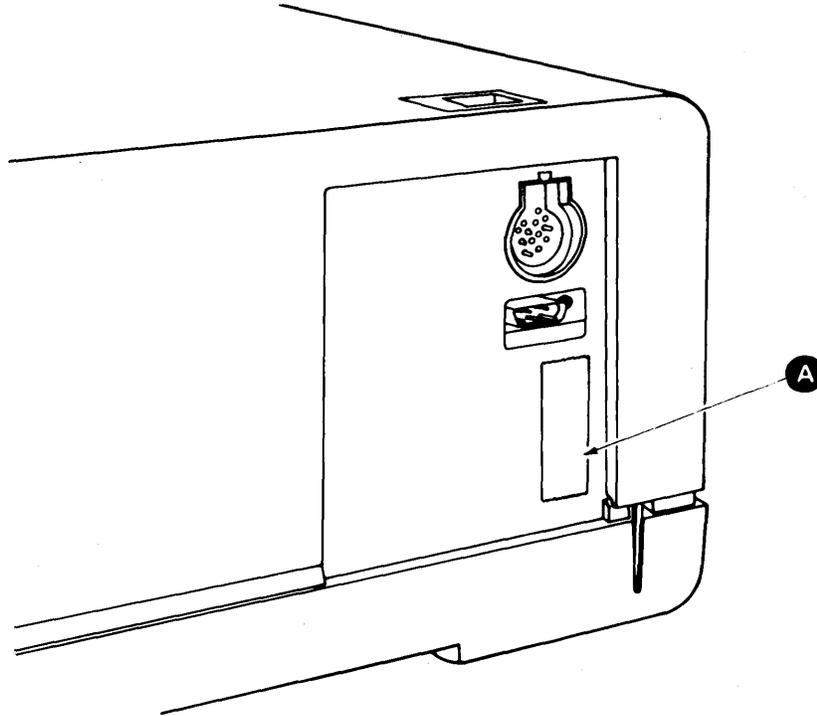
Step 5. Remove the pad from the top of the printer carrier. The pad can be reused if the printer is relocated, so keep the pad.



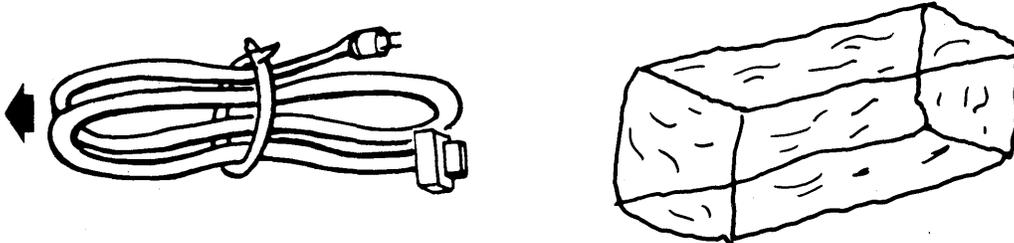
Step 6. Be sure that the printer has a ribbon **A** and print wheel cartridge **B** installed. If not, contact your IBM marketing representative. Close the printer cover.



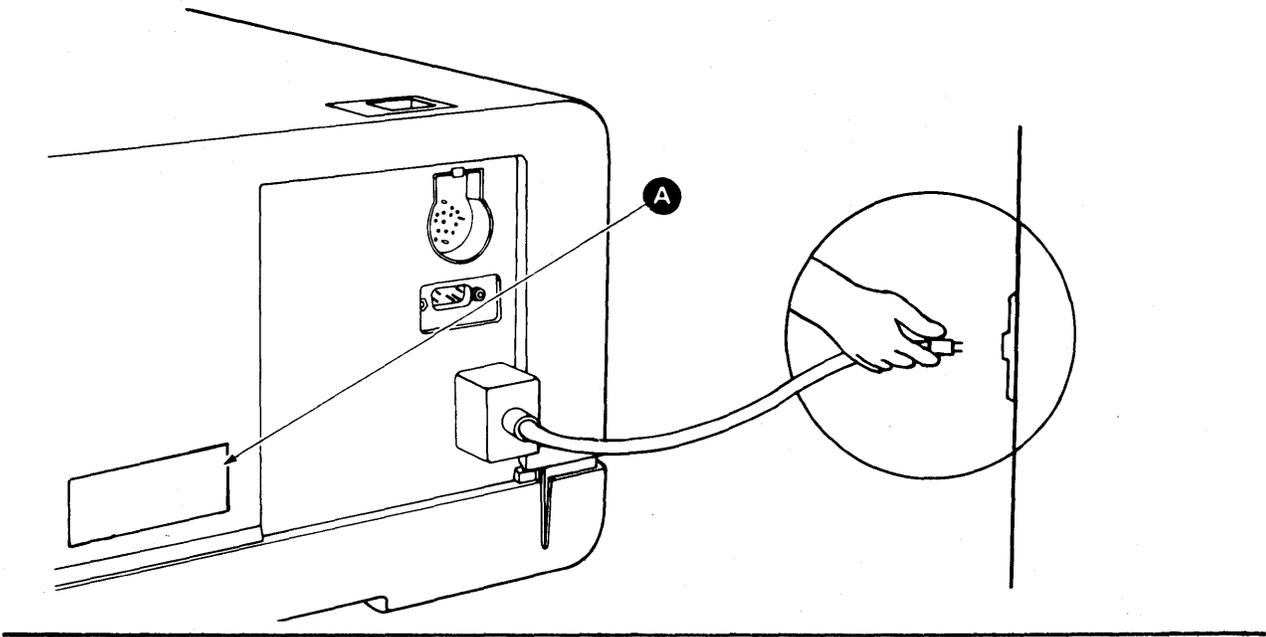
Step 7. Remove the seal **A** from the socket panel (back of the printer).



Step 8. Remove the power cord from the bag. If a printer cable is included with the printer, set it aside.

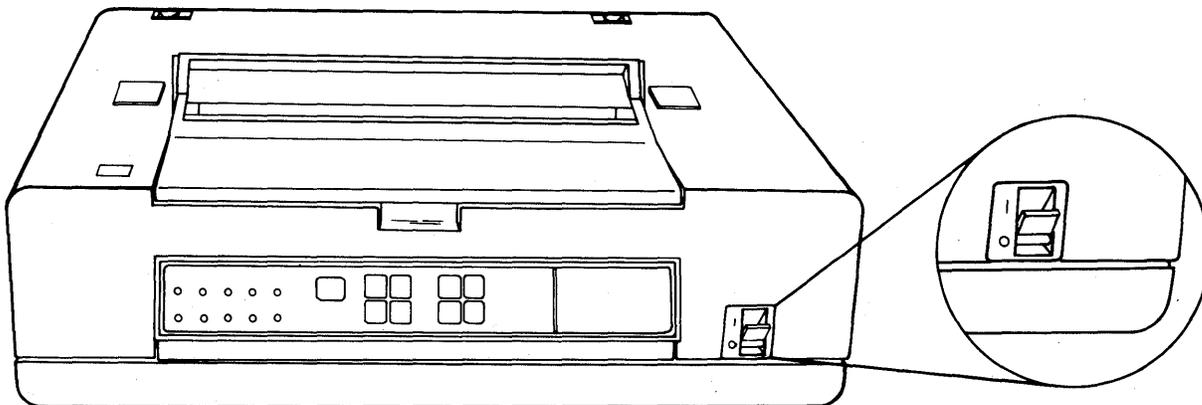


Step 9. Securely connect the power cord plug to the printer first, then to a grounded AC wall socket of the same voltage as the printer. The printer voltage is printed on the label **A** on the back of the printer.

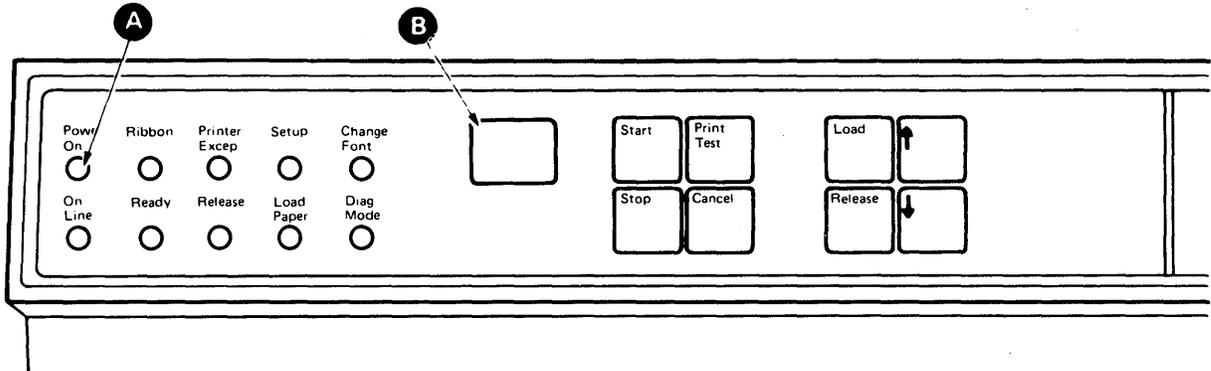


If the plug does not fit the socket, have an authorized electrician make the necessary changes in accordance with local safety regulations.

Step 10. Be sure that the printer cover is closed, then turn the power on (|). The printer begins an internal check for about 15 seconds.

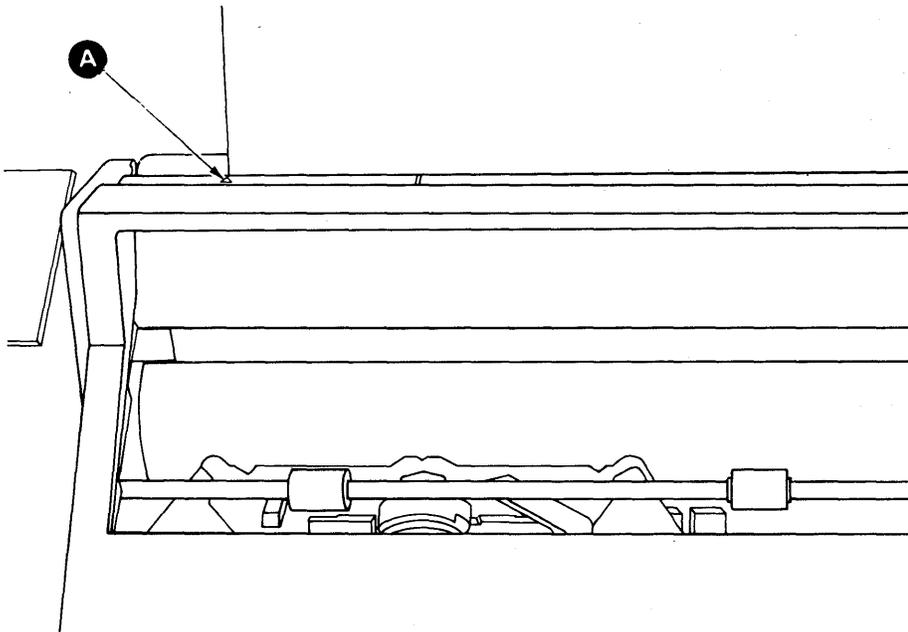


Step 11. After the internal check is complete, the Power On light **A** should be the only light on. If the internal check cannot be completed, a two-digit code is displayed in the Two-Digit Display **B**. If this happens, turn the power off (O), then back on (I). If the internal check still cannot be completed, contact your service representative and report the two-digit code.

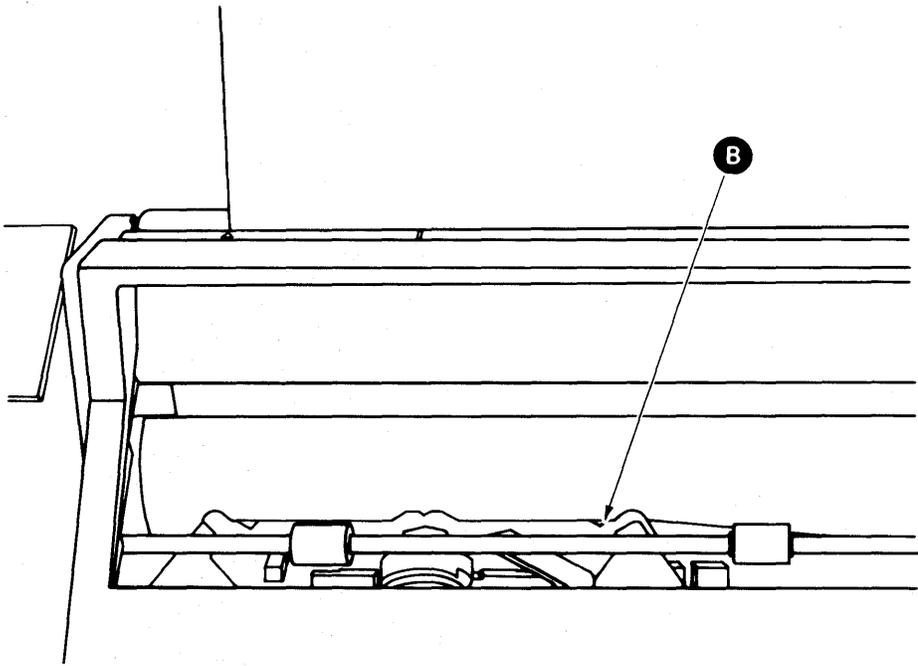
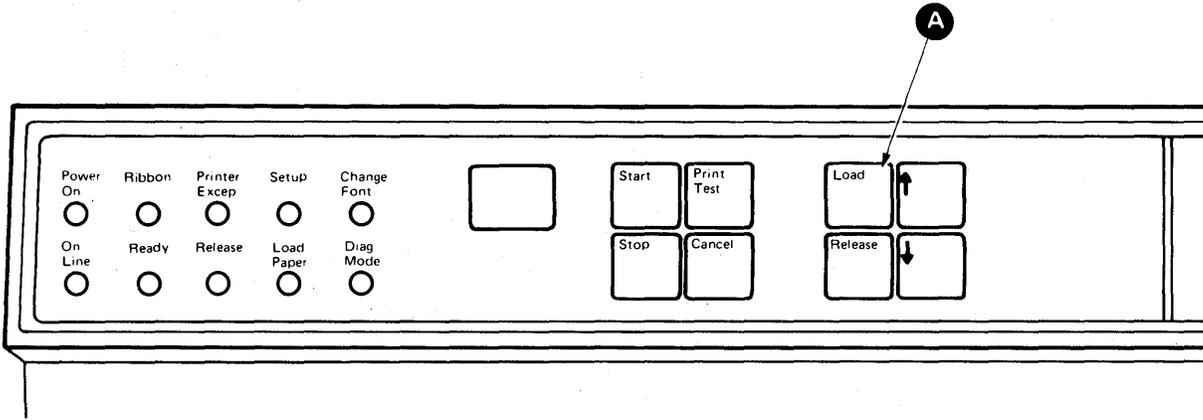


If the Power On light is not on, check the wall socket for power. If there is power at the wall socket, but no Power On light, contact you service representative.

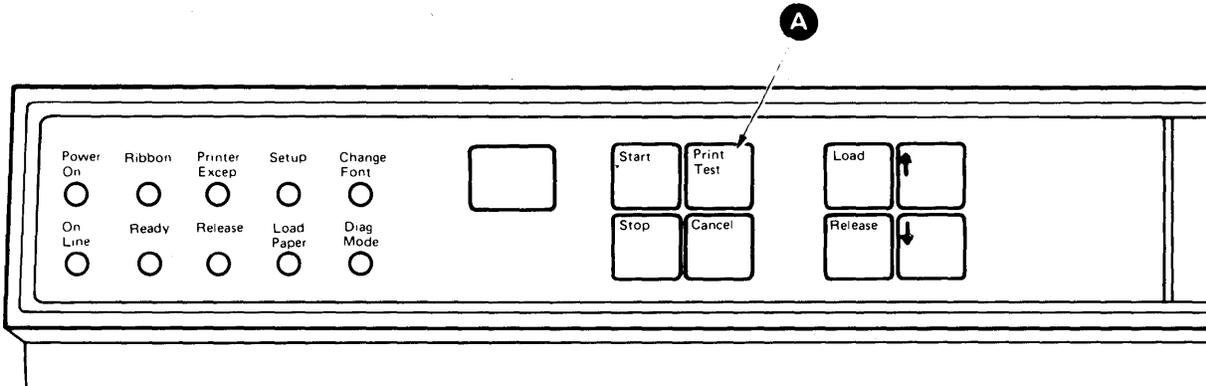
Step 12. Insert a sheet of paper in the paper slot. Align the left edge of the paper with the triangle **A** on the acoustic filter.



Step 13. Press the Load button **A**. The paper will feed up to the top of the card holder **B**.



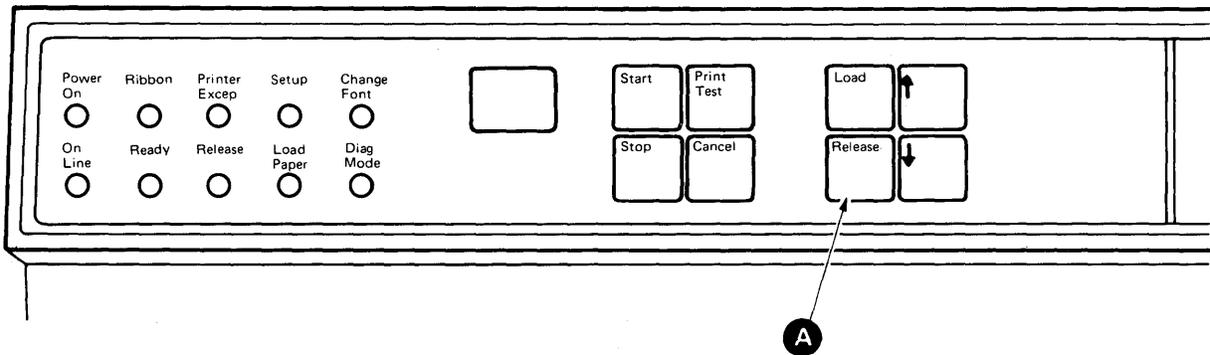
Step 14. Press the Print Test button **A**. The printer should print two lines with all the characters on the print wheel. A sample is shown below.



abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789
 , ± ° ½ \$ % [] ^ _ ` " = ' : . ? _ % , # / - [;) * \$ & ! + (. ¼ ½ ¾

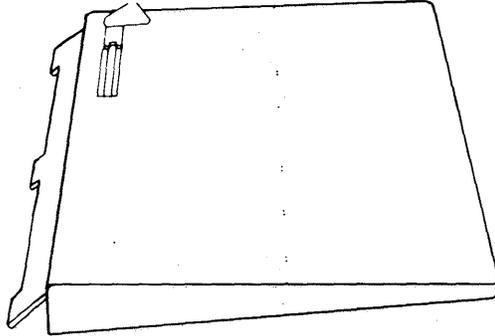
If the printer does not print,
 contact your service representative.

Step 15. Press the Release button **A** and remove the paper from the printer.



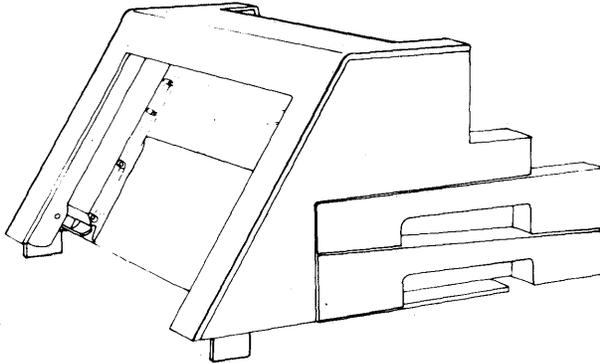
You have completed this section.

If you have a Paper Support Table,



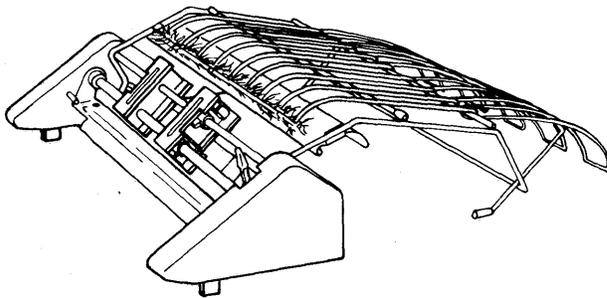
go to Section 2.

If you have an IBM Sheet-Feed Paper Handler,



go to Section 3.

If you have an IBM Tractor Feed,



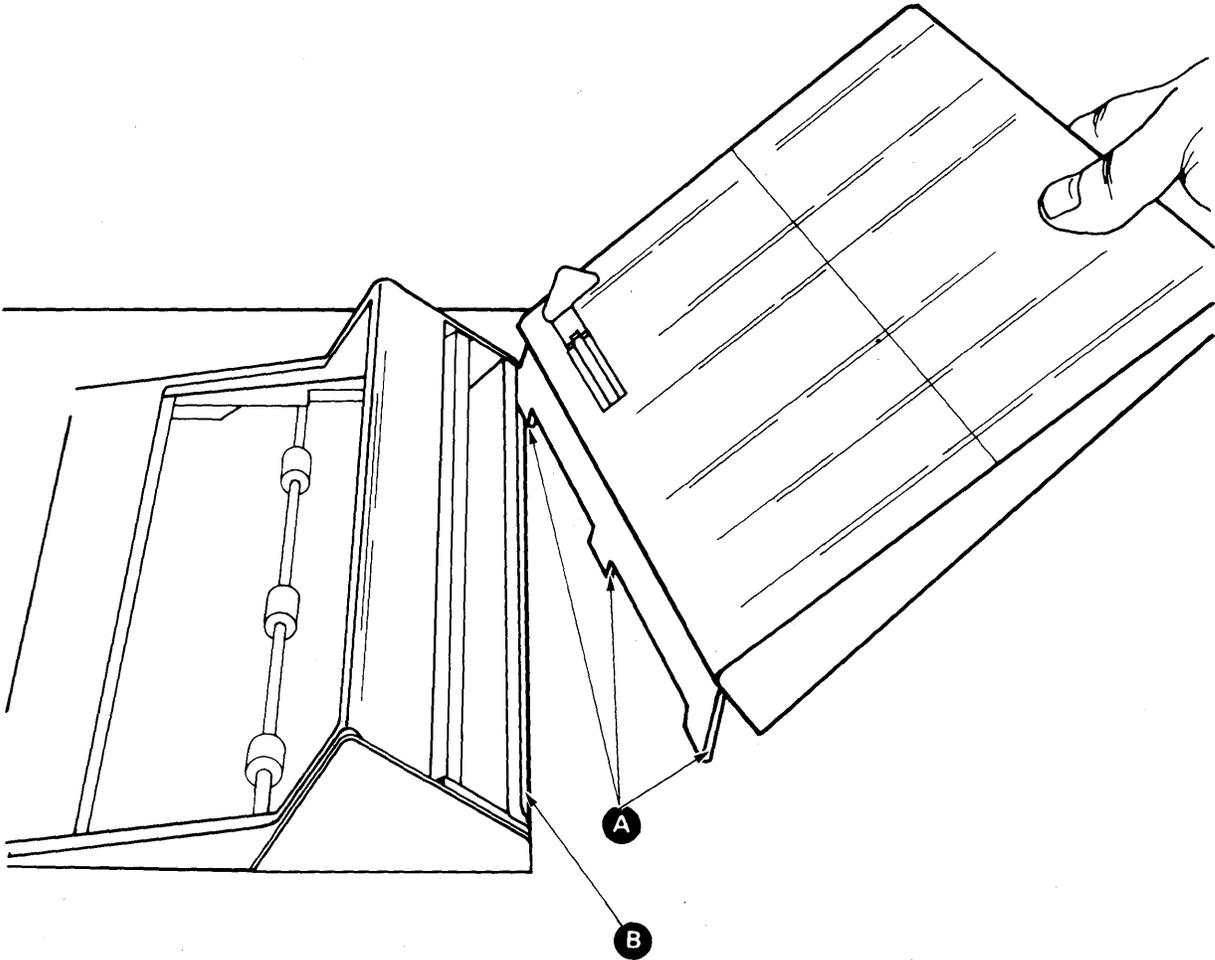
go to Section 4.

If you have none of the above,

go to Section 5.

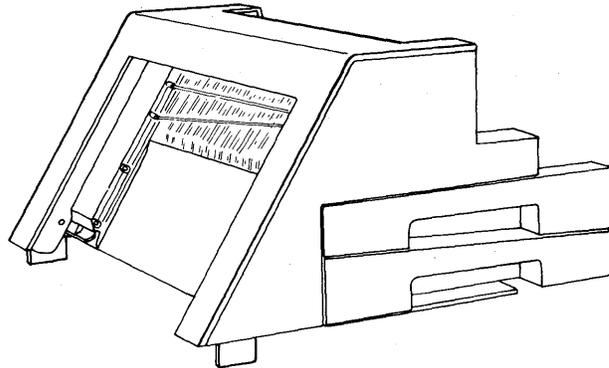
SECTION 2. ATTACHING THE PAPER SUPPORT TABLE

Attach the Paper Support Table by inserting the tabs **A** into the slot **B**. To remove the Paper Support Table, lift until the tabs are clear of the slot. Store the Paper Support Table with nothing heavy on top of it.



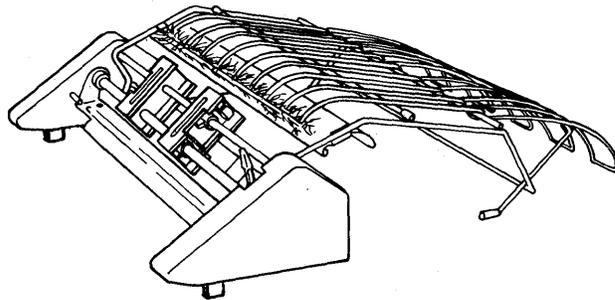
You have completed this section.

If you have an IBM Sheet-Feed Paper Handler,



go to Section 3.

If you have an IBM Tractor Feed,



go to Section 4.

If you have neither of the above,

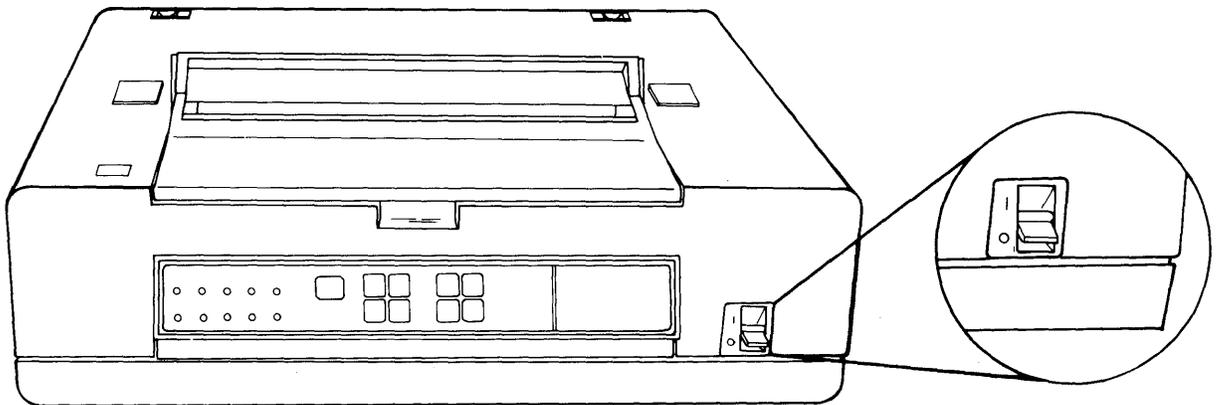
go to Section 5.

SECTION 3. IBM SHEET-FEED PAPER HANDLER

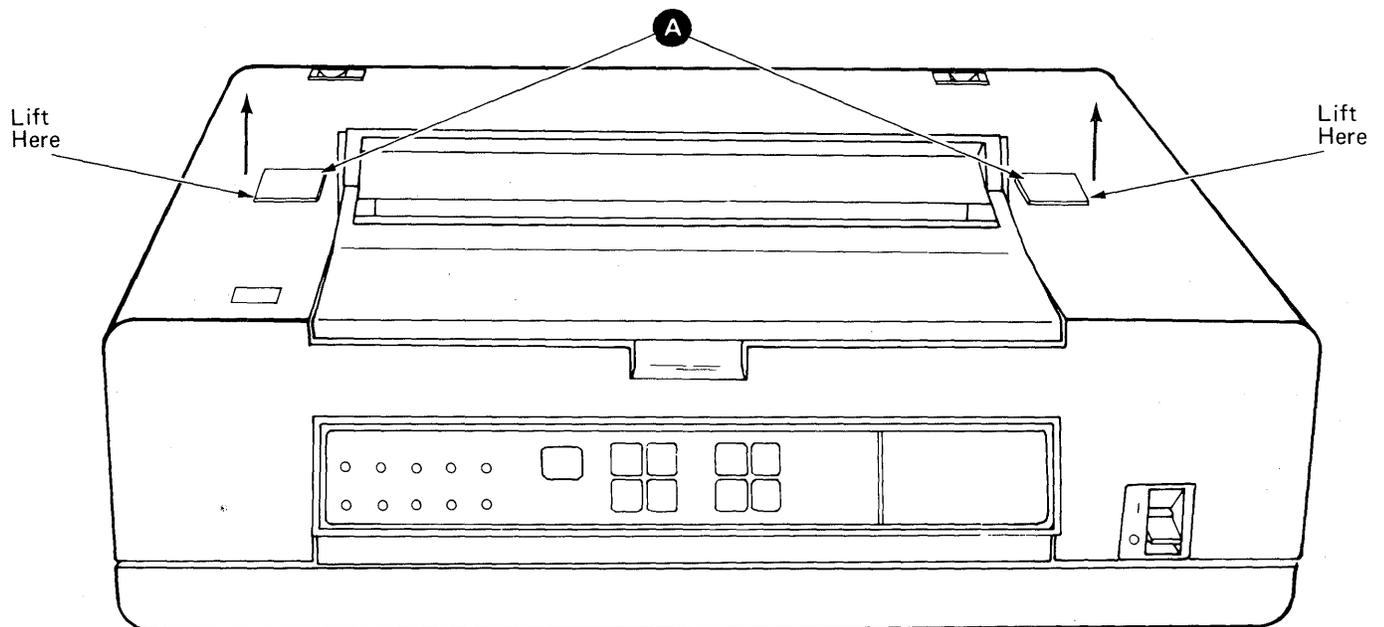
ATTACHING THE IBM SHEET-FEED PAPER HANDLER

CAUTION: Your IBM Sheet-Feed Paper Handler weighs approximately 11.3 kg (25 pounds) and is bulky. Two people are required to attach it.

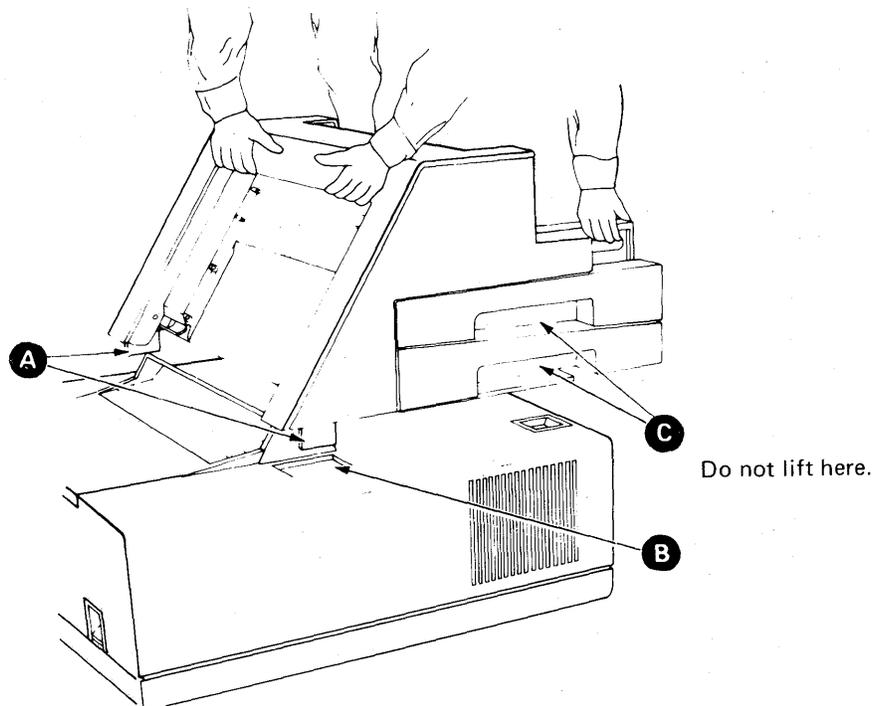
Step 1. **TURN THE PRINTER POWER OFF.(0).** Remove the Paper Support Table or IBM Tractor Feed if attached. Removal instructions for the Paper Support Table are in Section 2. Removal instructions for the IBM Tractor Feed are in Section 4.



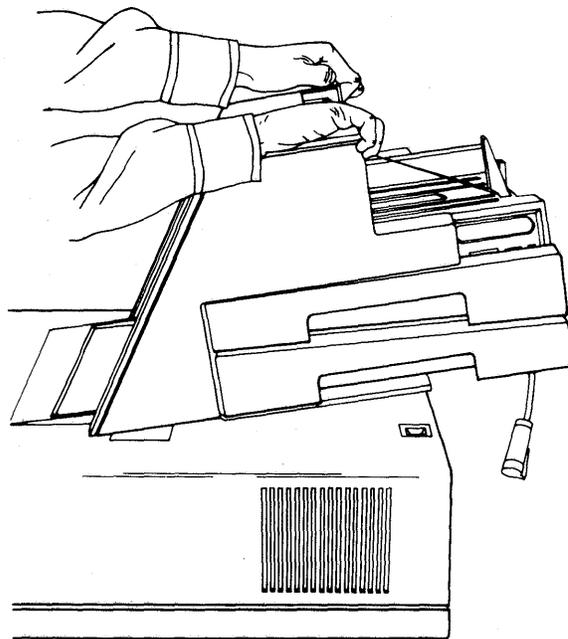
Step 2. Remove the cover inserts (A) if they are in place.



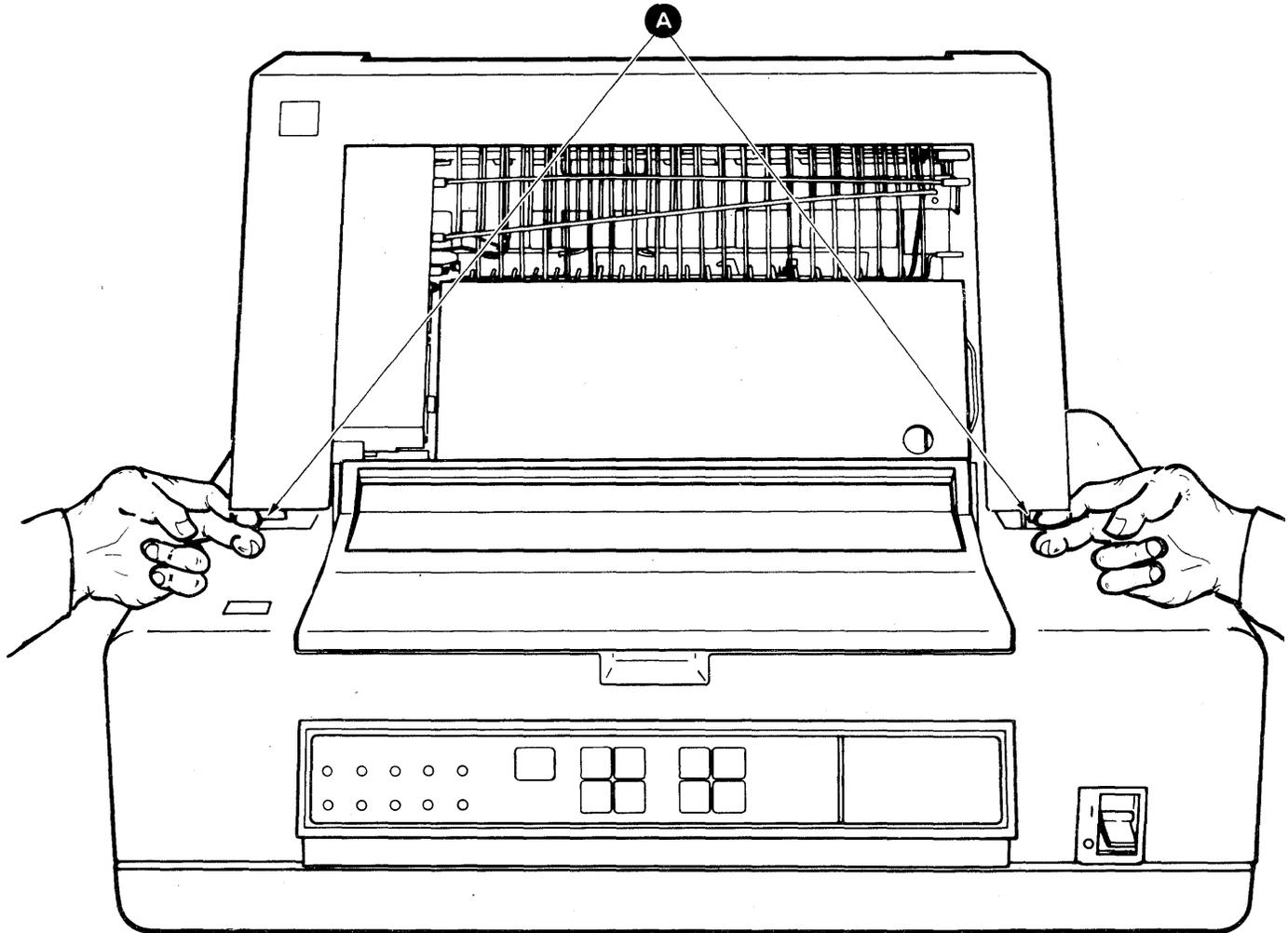
Step 3. With the two people facing each other on opposite sides of the device, use the hand scoops and the front edges of the cover to lower the device flat on top of the printer. Insert the latches **A** into the printer cover openings **B**. DO NOT LIFT BY THE PAPER TRAY HANDLES. **C**.



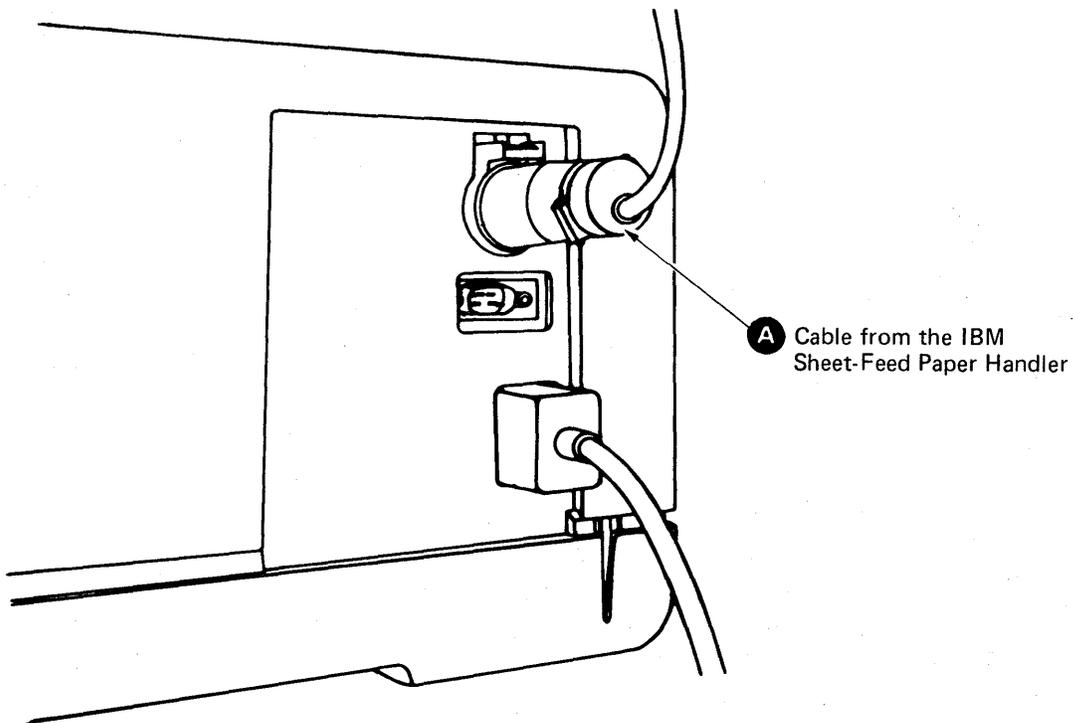
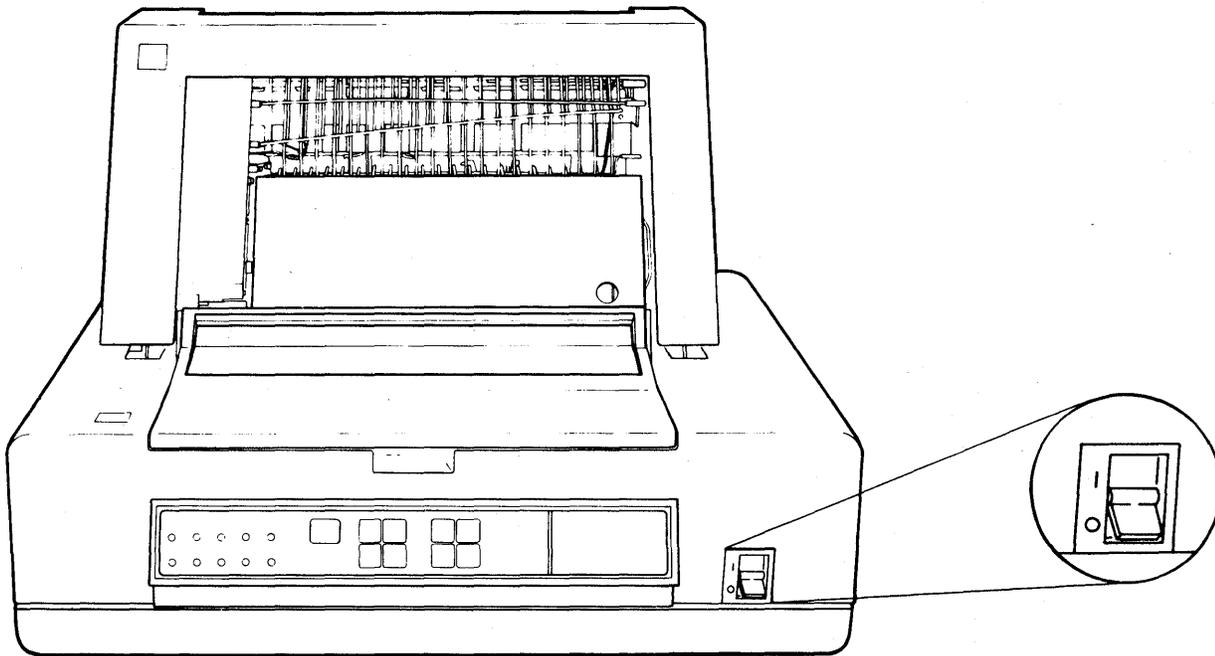
Step 4. Standing in front of the machine, one person can rotate the IBM Sheet-Feed Paper Handler forward approximately 75-100 mm (3-4 inches) until the latches on both sides latch into position.



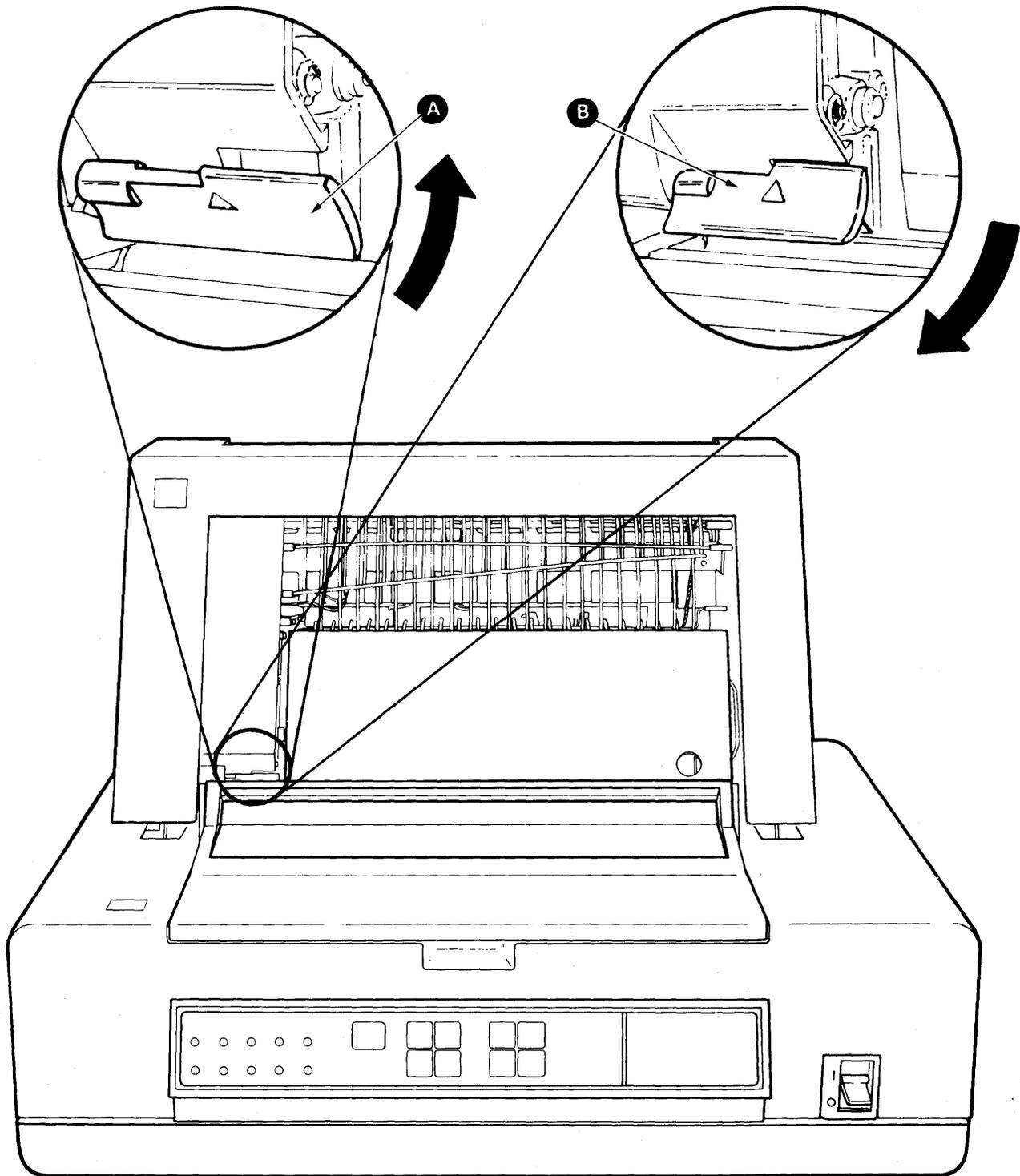
Step 5. Slowly lower the rear of the device until it rests on the printer cover. To check for correct installation, attempt to lift the device at both front corners **A**. If the device can be lifted away from the printer, return to Step 3.



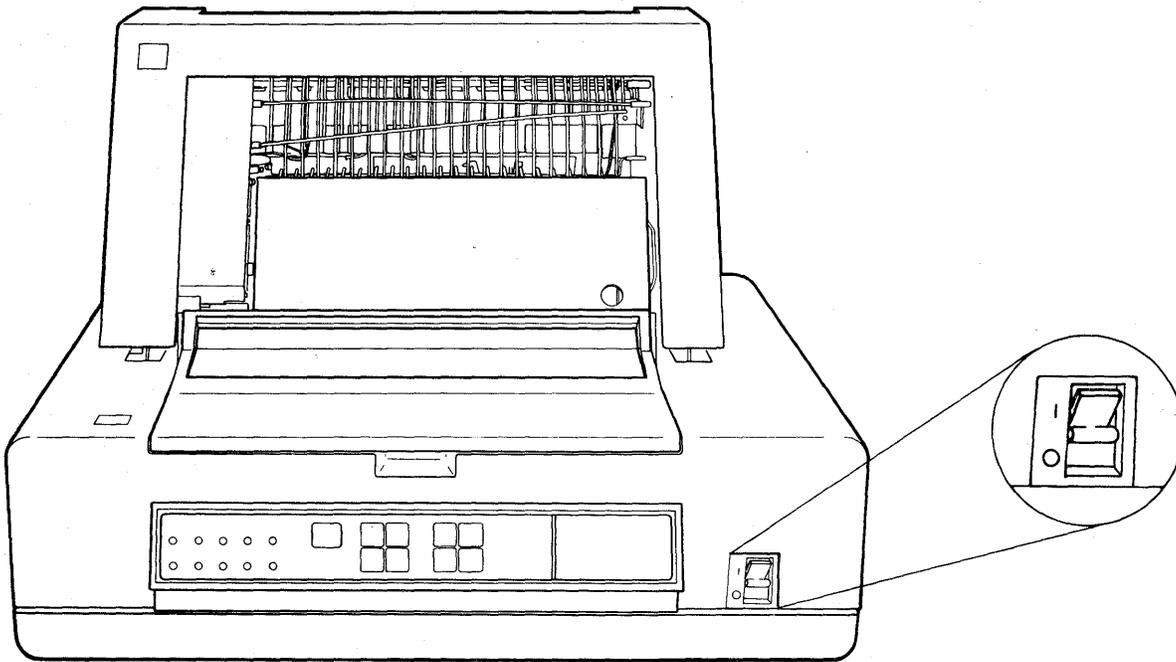
Step 6. MAKE SURE THE POWER IS OFF.(0). Connect the cable **A** as shown. The cable will snap into position.



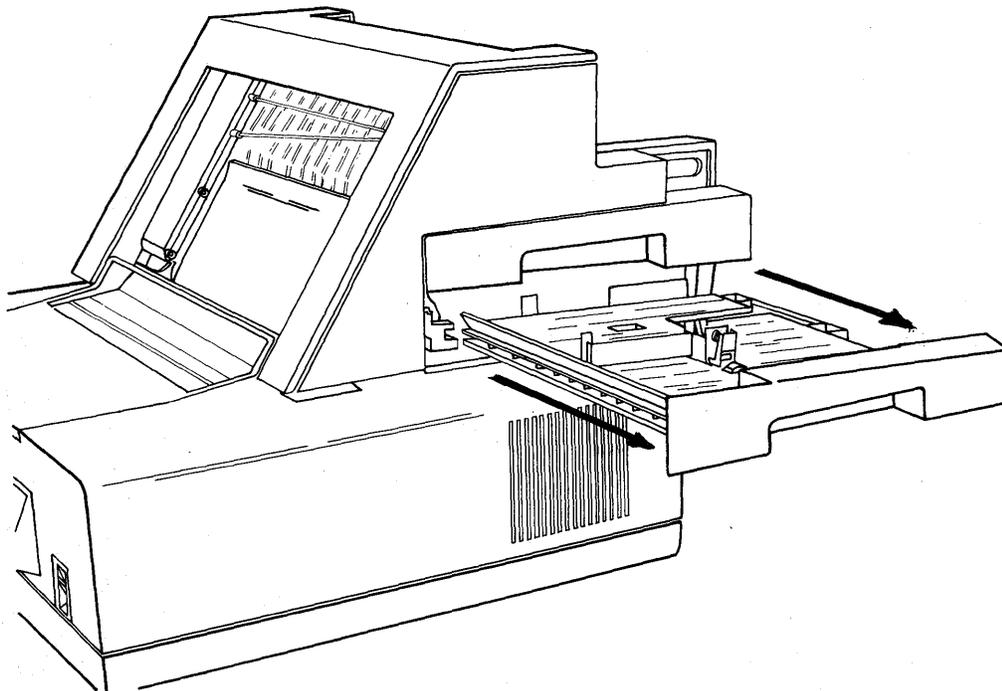
Step 7. The paper insertion gate has two positions, the manual feed position **A**, and the automatic feed position **B**. The gate clicks into these two positions. Rotate the gate to the automatic feed position **B**.



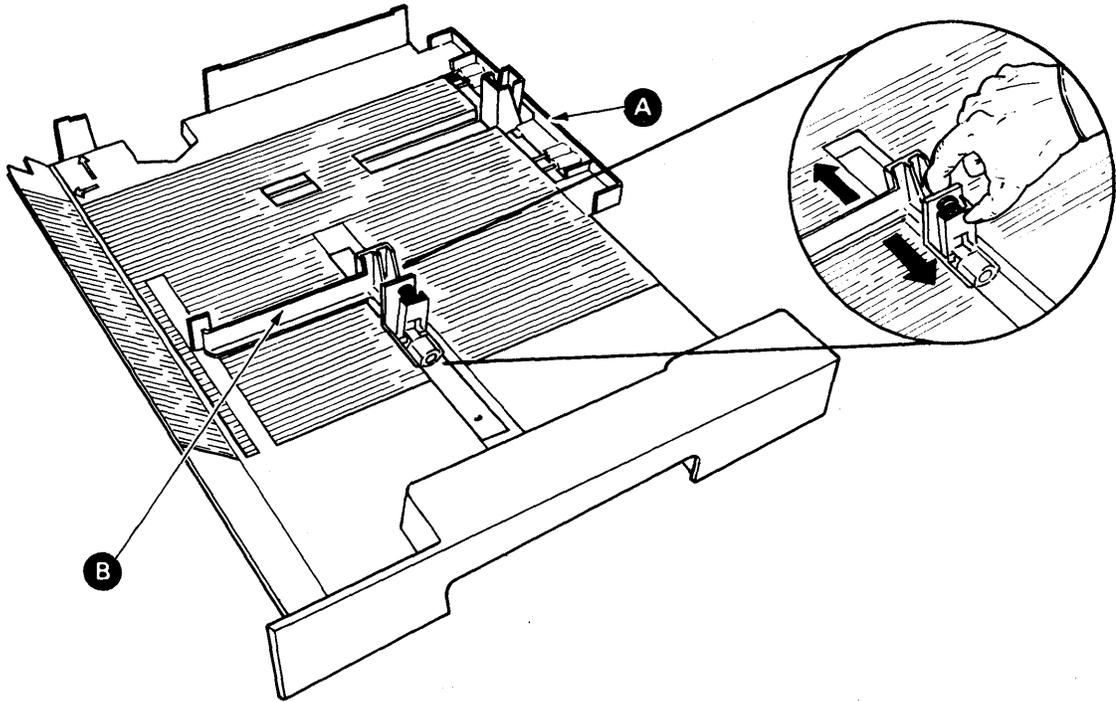
Step 8. Turn the power on (|).



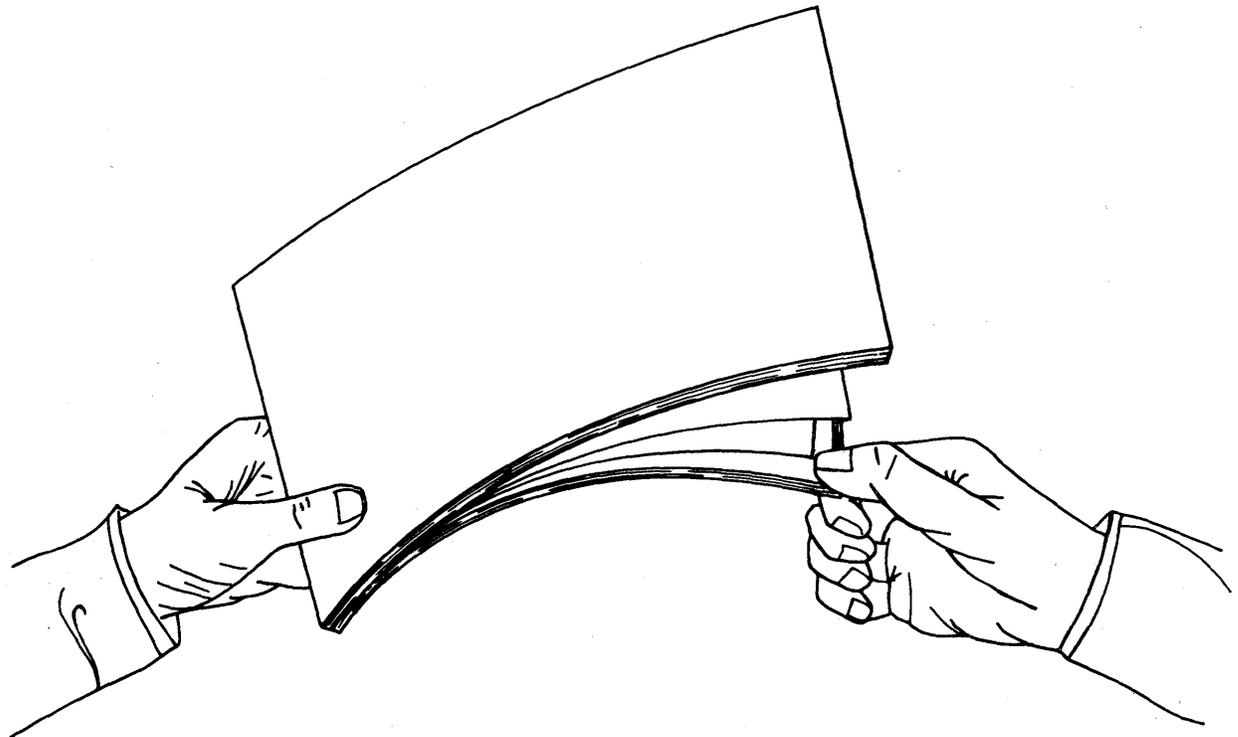
Step 9. Pull the bottom paper tray completely out of the device.



Step 10. Slide the tray's rear extender **A** and paper edge guide **B** out far enough to accommodate your paper.

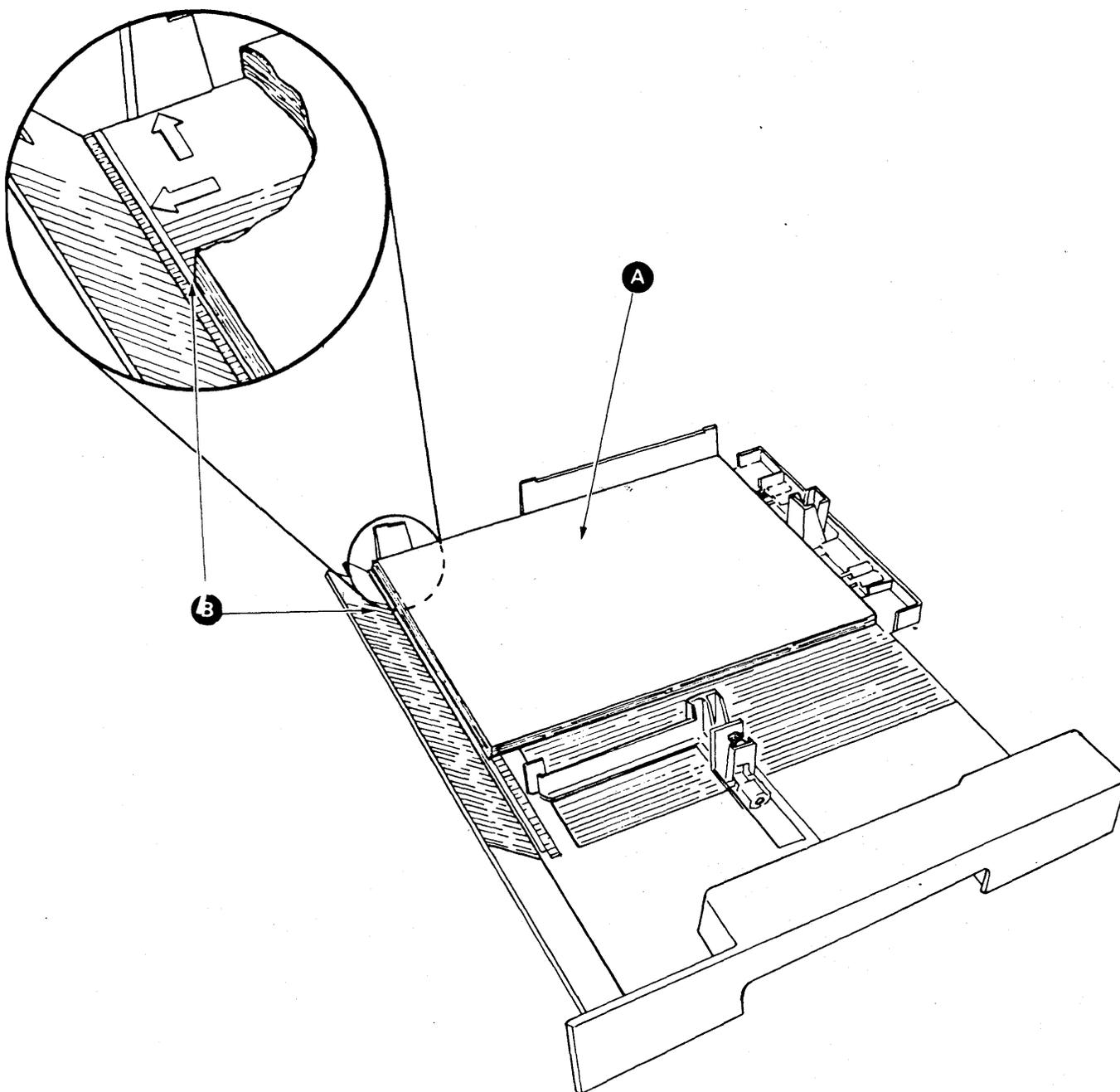


Step 11. Fluff or fan the paper.

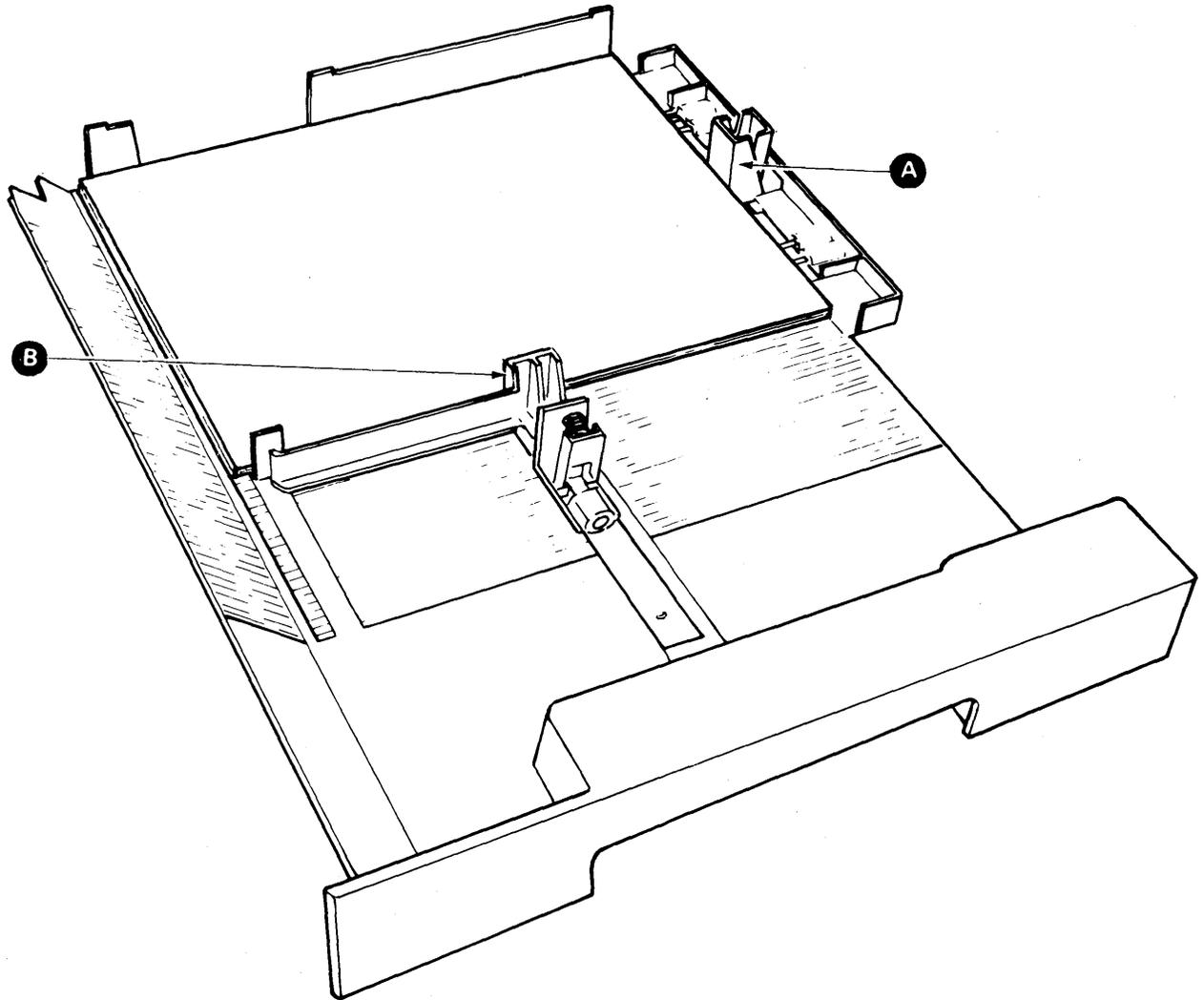


Step 12. Insert paper so that:

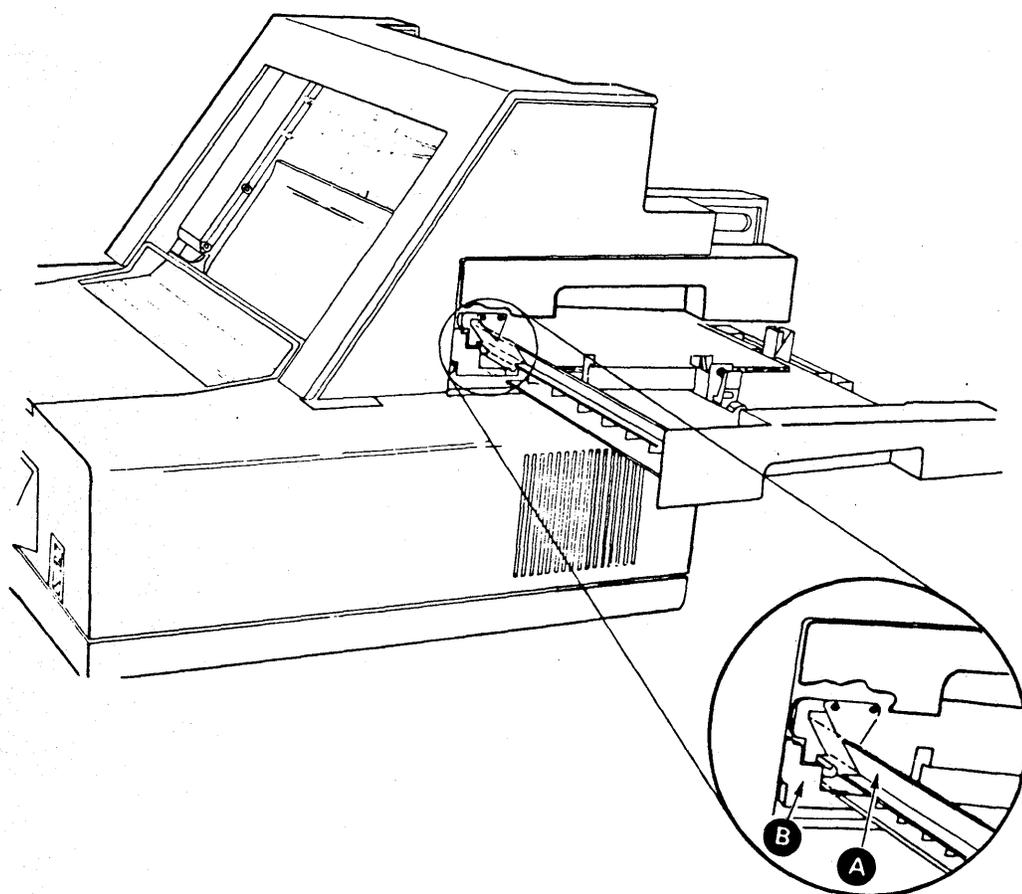
- The paper stack is flush against the edge of the paper tray **A**.
- The edge of the paper stack is on the load paper line **B**.



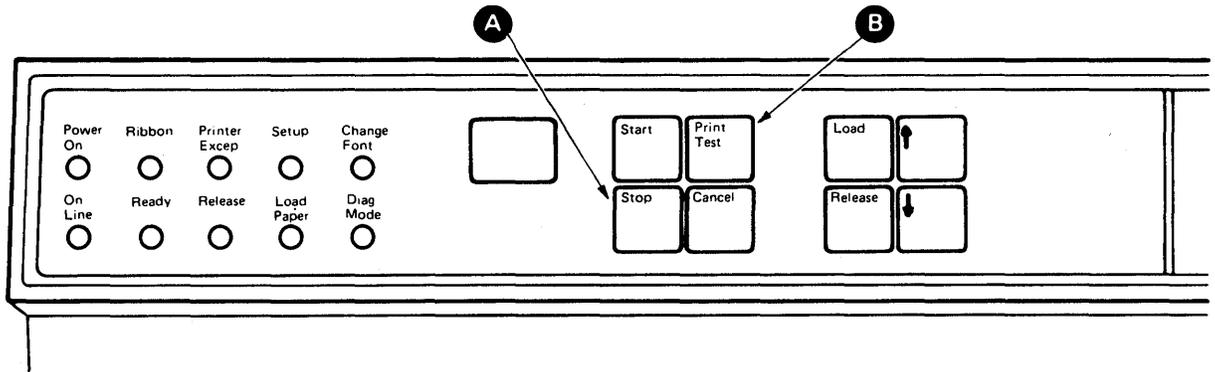
Step 13. Slide the rear paper edge guide **A** up loosely against the rear edge of the paper stack. Slide the side paper edge guide **B** up loosely against the edge of the paper stack.



Step 14. Slide the paper tray into the device until the tray clicks into position. Ensure that the tray rails **A** fit over the device rails **B**.



Step 15. Press the Stop button **A** then press the Print Test button **B**. The print test will print (a sample is shown below) and the paper will be stacked.

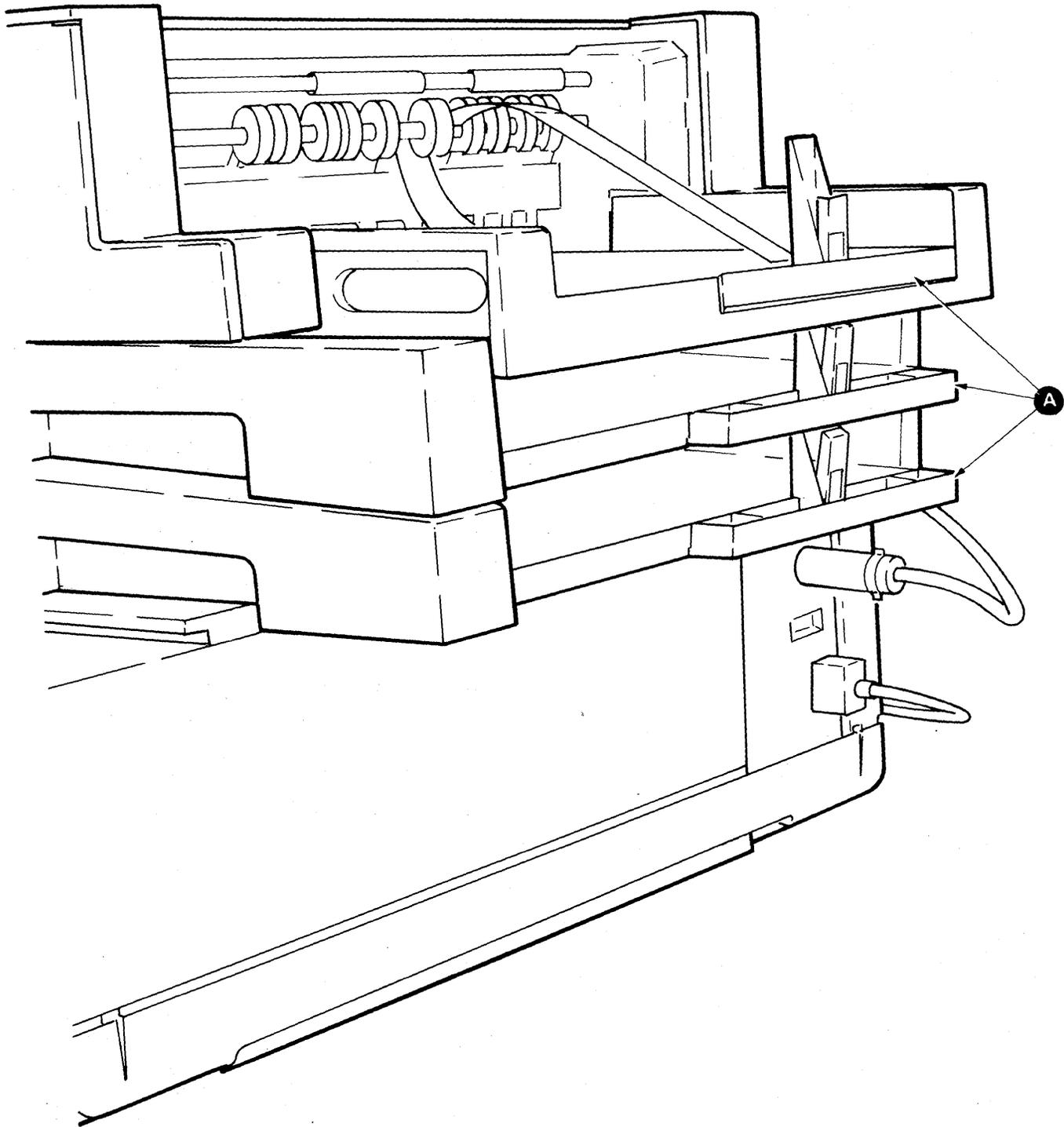


abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMN0123456789
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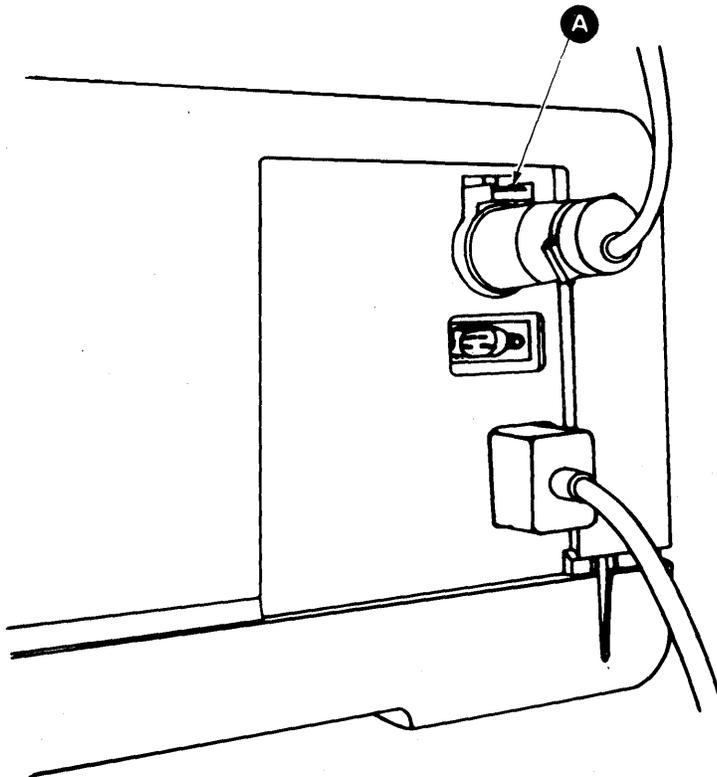
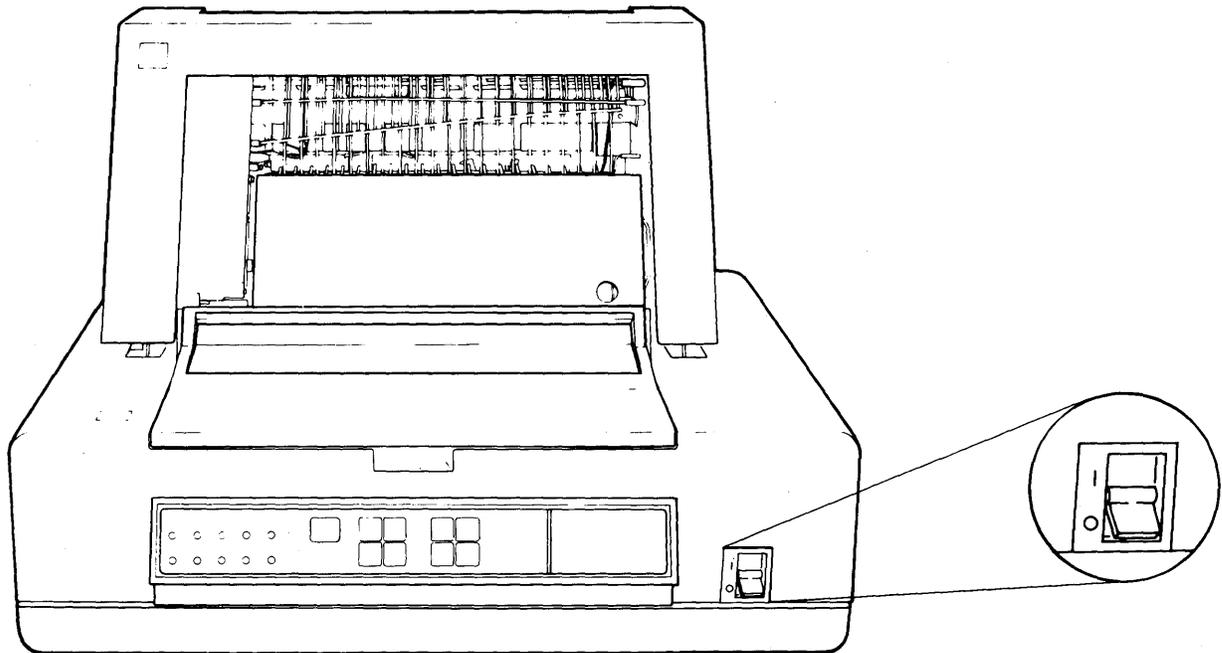
If the paper fails to feed, repeat steps 9 through 15. If paper still fails to feed, contact your service representative and report that paper will not feed.

REMOVING THE IBM SHEET-FEED PAPER HANDLER

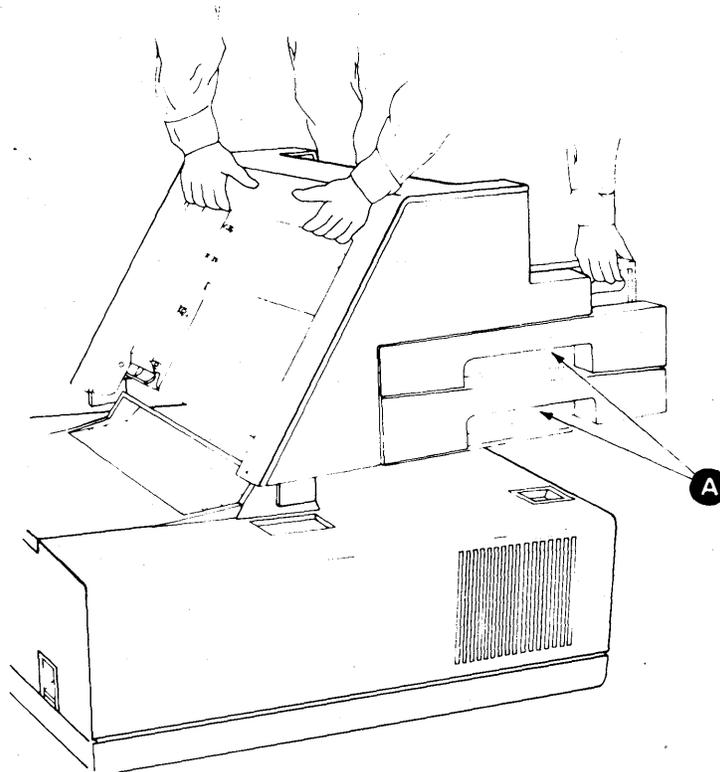
Step 1. Remove all the paper. Push the extenders **A** in.



Step 2. TURN THE PRINTER POWER OFF (O). Press the spring-loaded thumb latch **A** and unplug the cable.

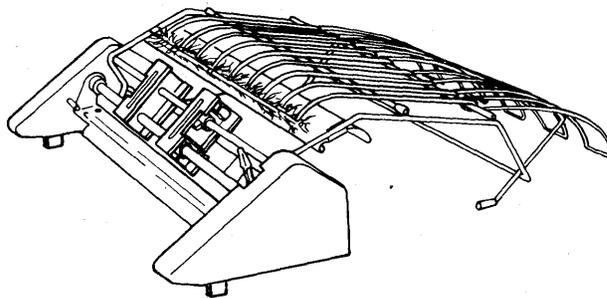


Step 3. Two people are required to remove the IBM Sheet-Feed Paper Handler. With two people facing each other on opposite sides of the device, use the hand scoops and the front edge of the IBM Sheet-Feed Paper Handler cover to tilt the device forward, then lift the device straight up and away from the printer. Do not lift by the paper tray handles **A**. Store the IBM Sheet-Feed Paper Handler in a safe place



You have completed this section.

If you have an IBM Tractor Feed,



go to Section 4.

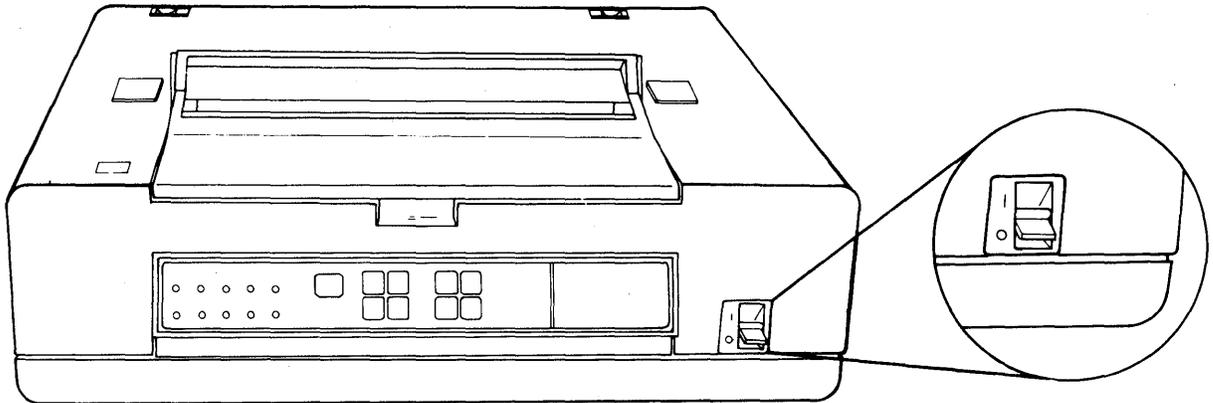
If you do not have an IBM Tractor Feed,

go to Section 5.

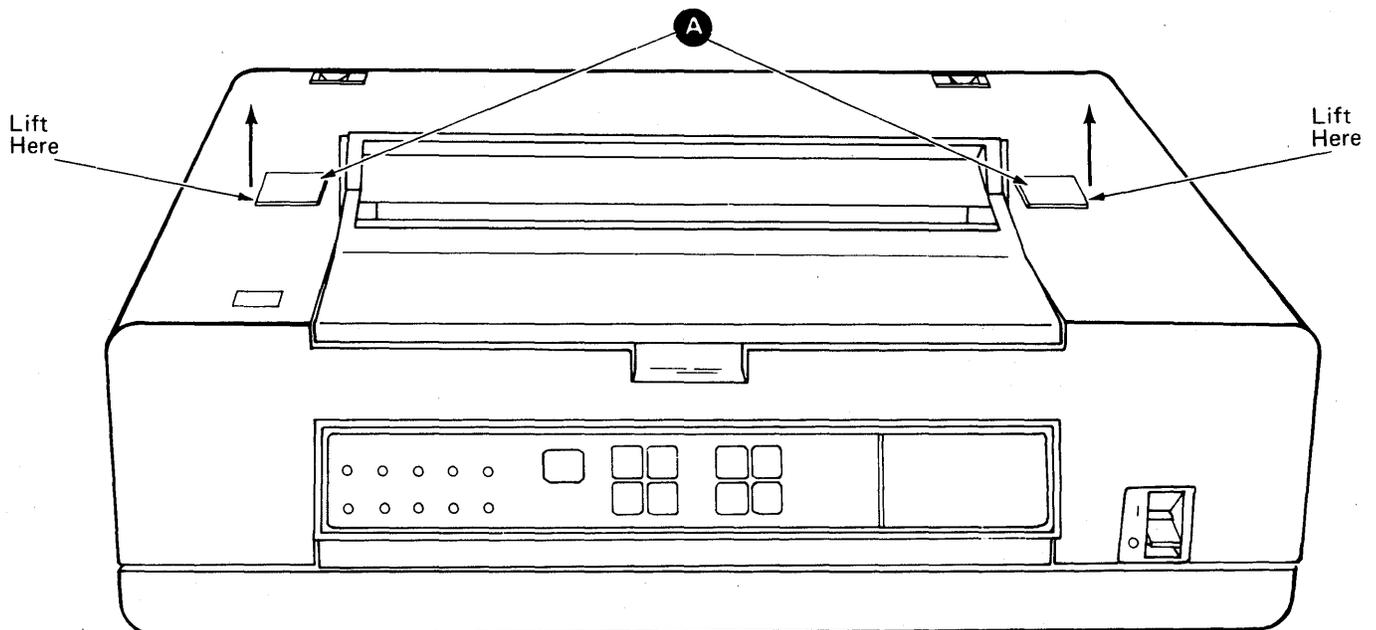
SECTION 4. IBM TRACTOR FEED

ATTACHING THE IBM TRACTOR FEED AND LOADING FORMS

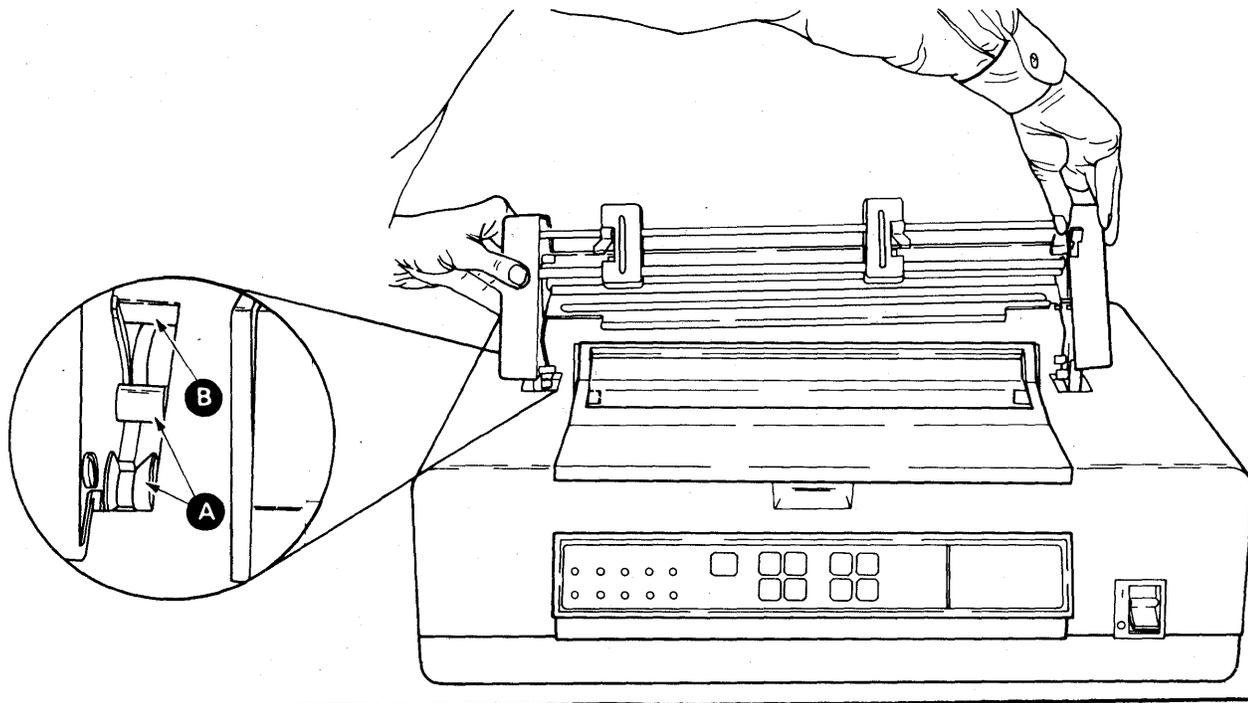
- Step 1. TURN THE PRINTER POWER OFF (O). Remove the Paper Support Table or IBM Sheet-Feed Paper Handler if attached. Removal instructions for the Paper Support Table are in Section 2. Removal instructions for the IBM Sheet-Feed Paper Handler are in Section 3.



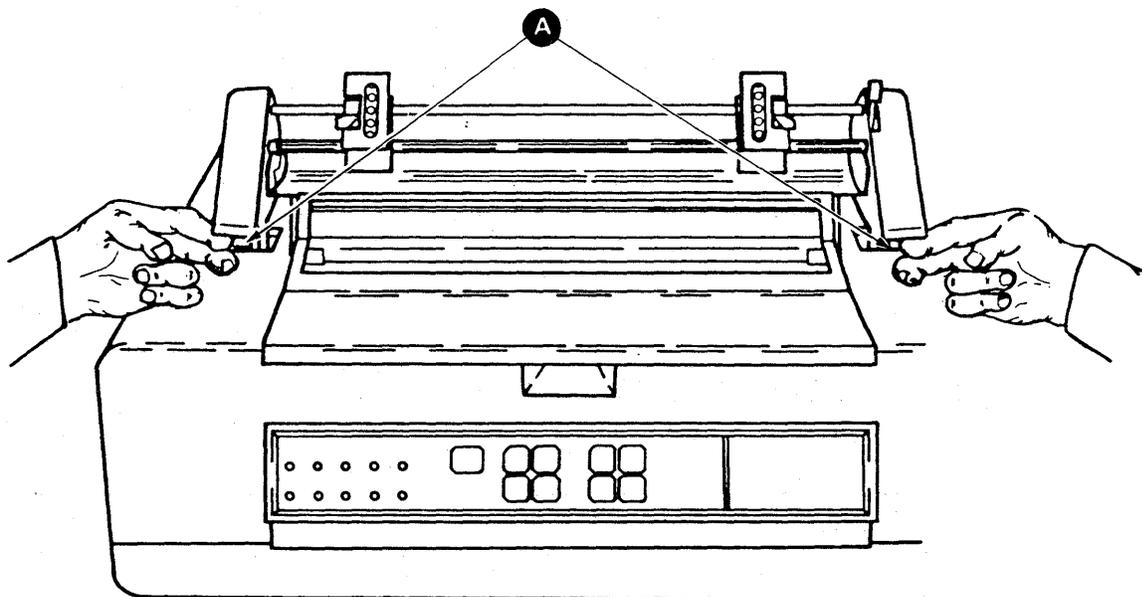
- Step 2. Remove the cover inserts **A** if they are in place.



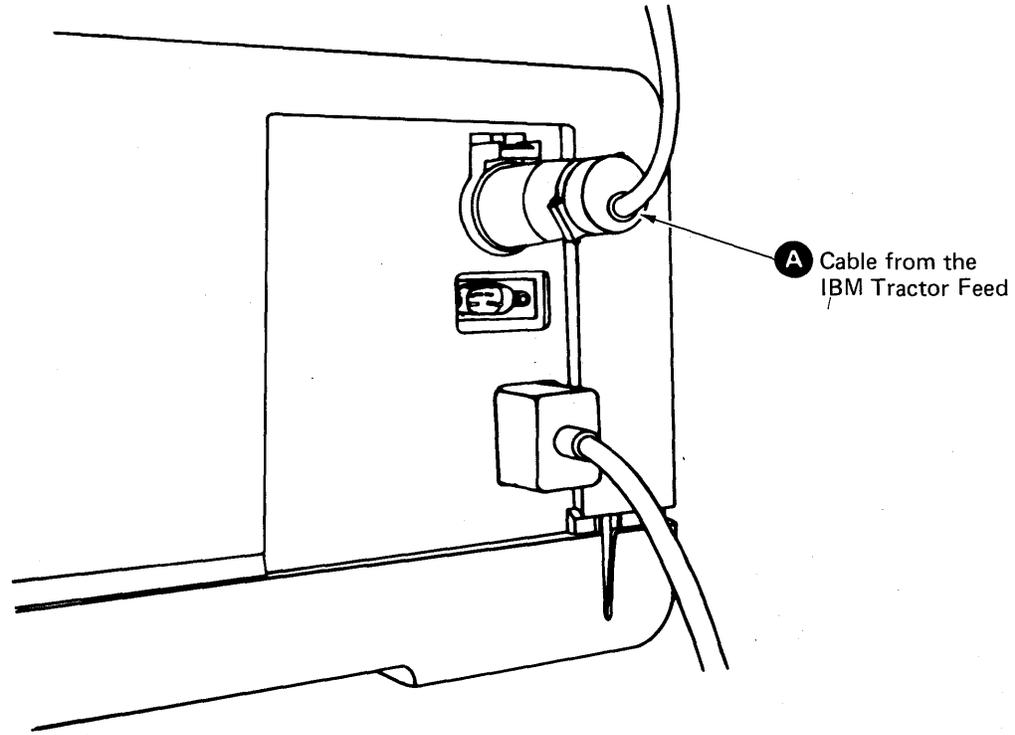
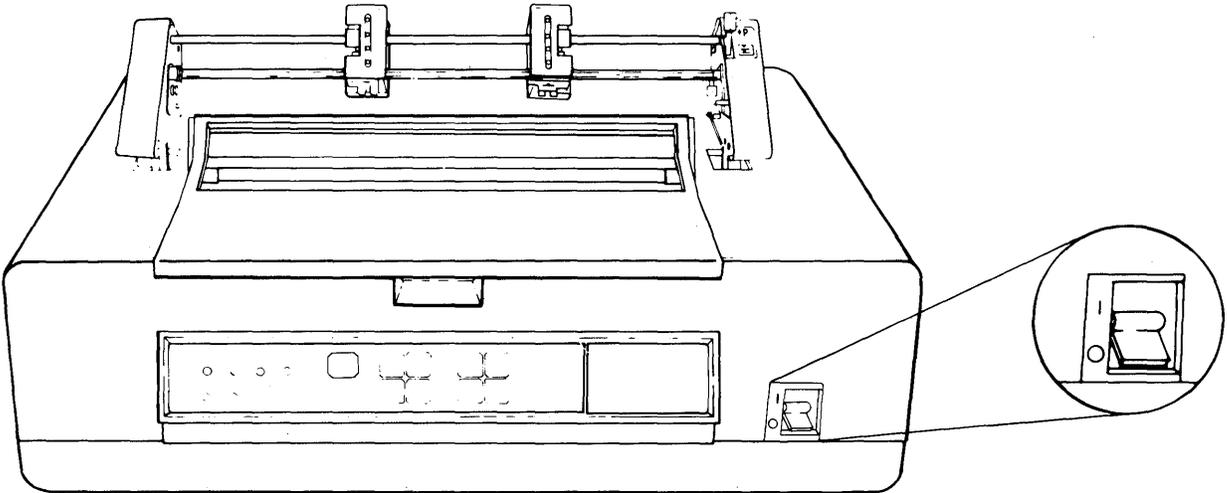
Step 3. Lower the IBM Tractor Feed onto the printer, and place the pins **A** in the slots **B** in the printer frame. Rotate the IBM Tractor Feed back until it rests on the printer cover.



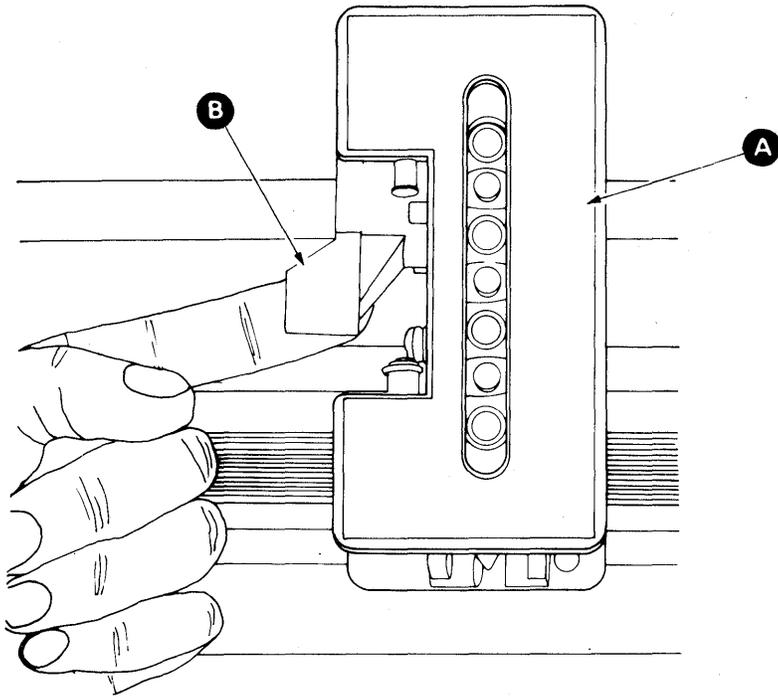
Step 4. To ensure that the tractor feed is properly installed, lift up on both sides **A** of the front of the device. If the tractor feed lifts away from the printer, return to Step 3.



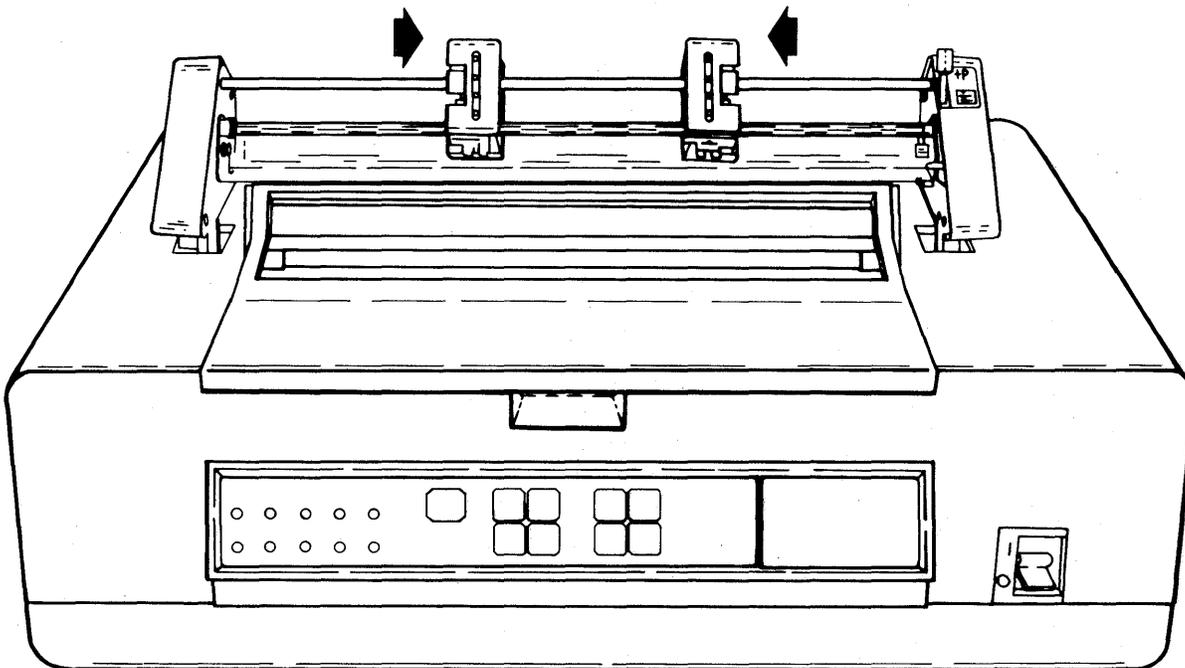
Step 5. MAKE SURE THE POWER IS OFF (0). Connect the cable **A** as shown. The cable will snap into position.



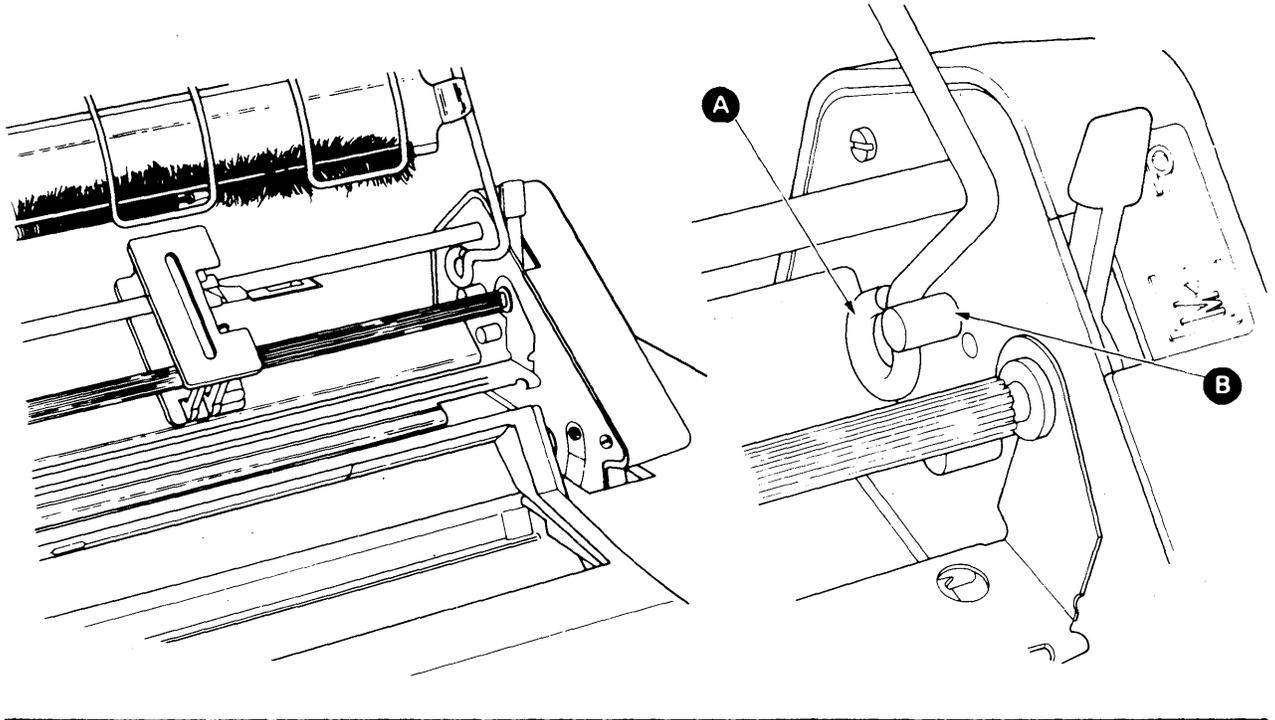
Step 6. Unlock both tractors **A** by rotating the latches **B** forward.



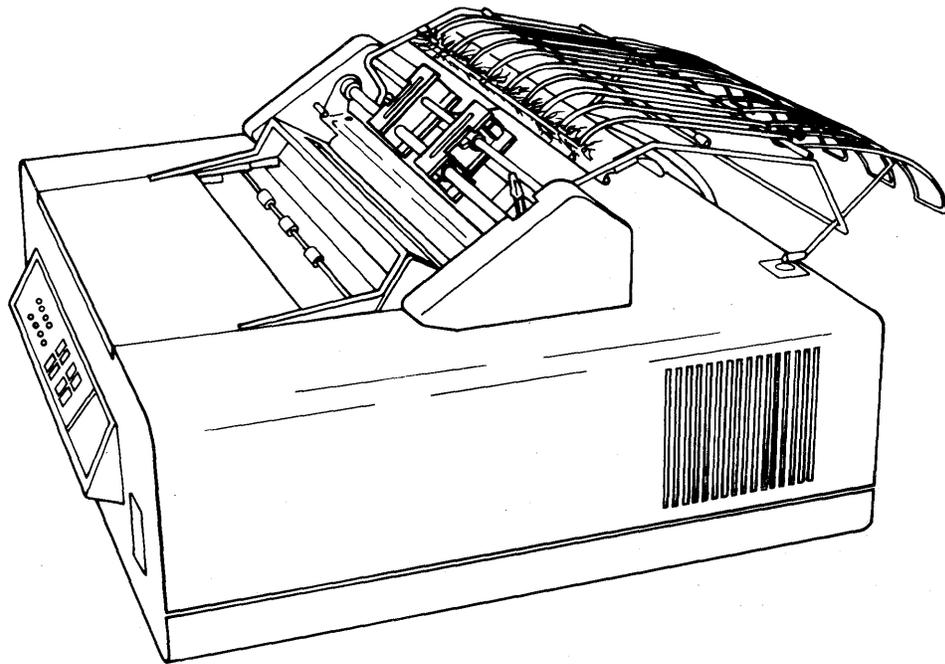
Step 7. Move the tractors away from the extreme edges of the tractor assembly.



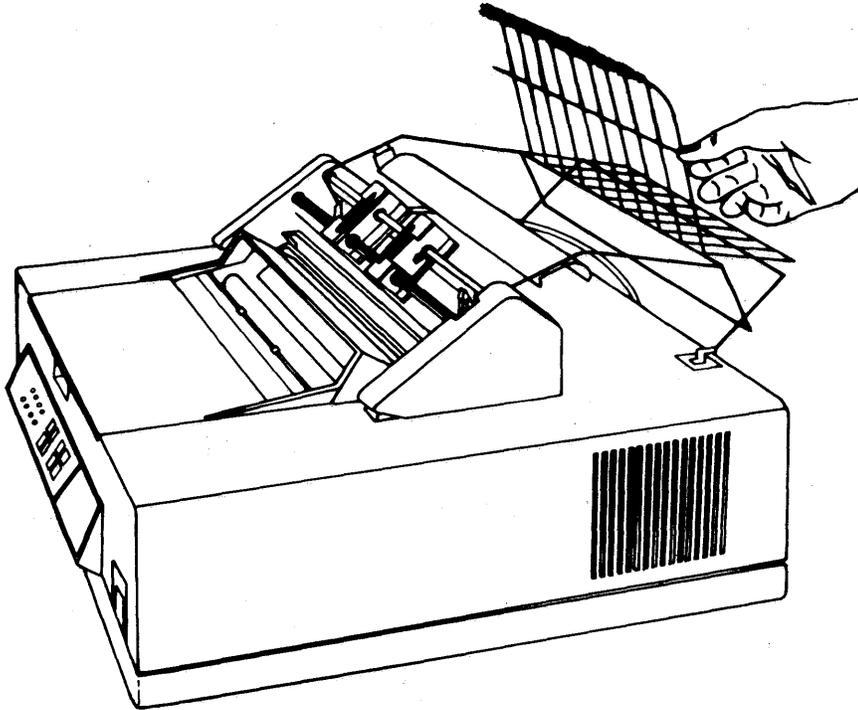
Step 8. Install the Paper Separator as illustrated. Ensure that the wire loops **A** are behind the studs **B**. Do not position the wire loop around the stud. Rotate the Paper Separator back to its rest position.



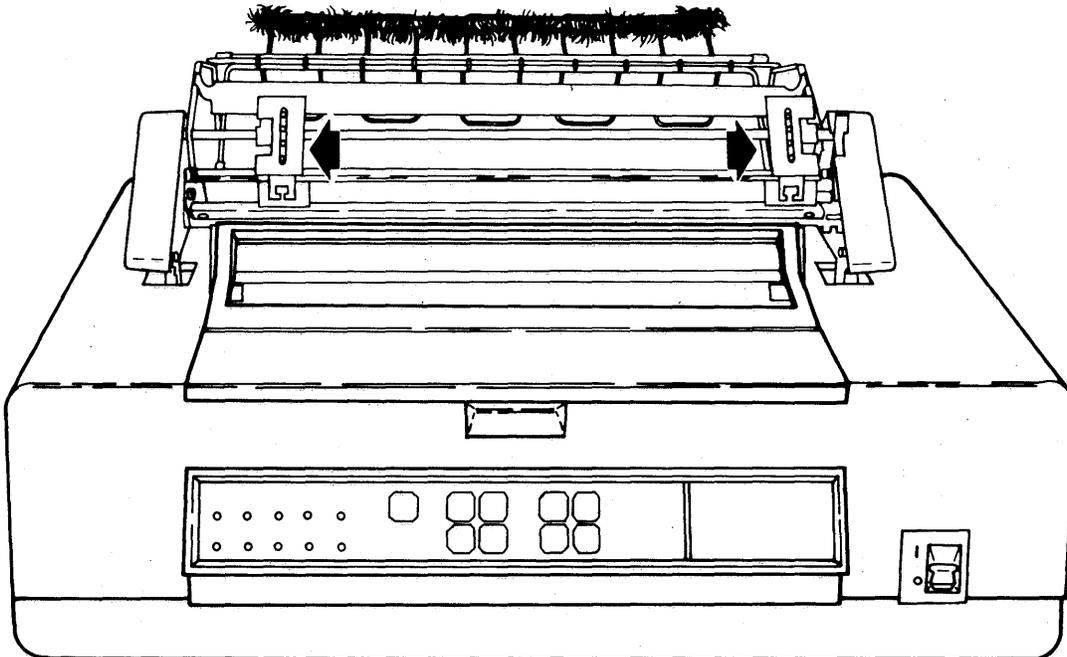
Step 9. After installation, the tractor assembly should appear as shown.



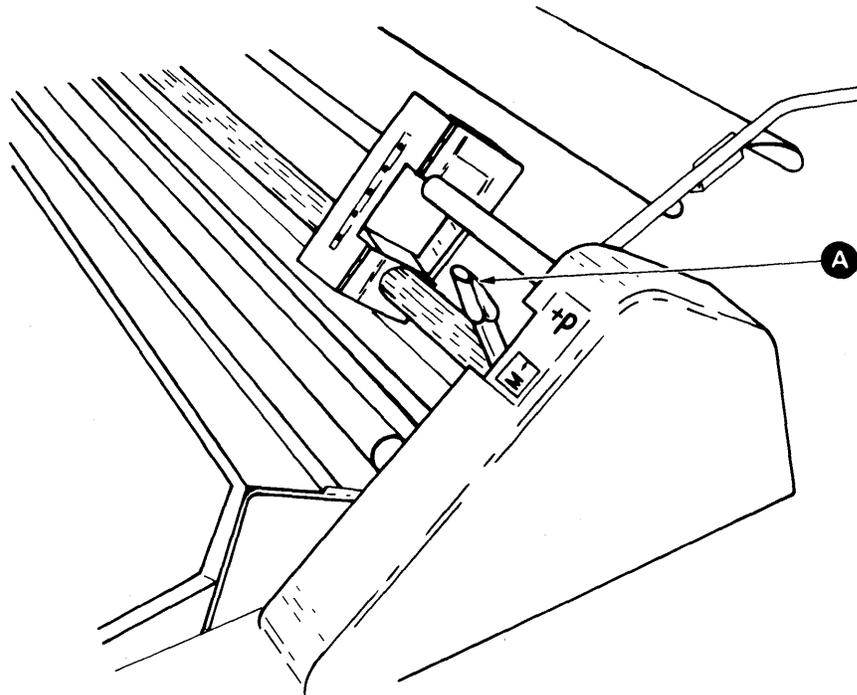
Step 10. Open the Paper Separator Door.



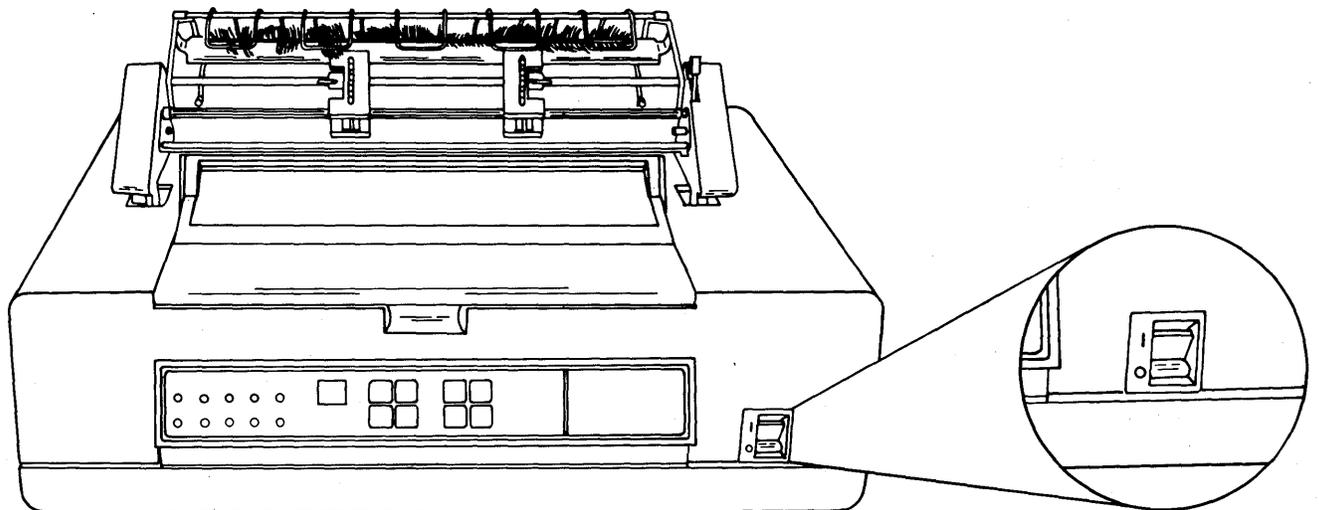
Step 11. If they are locked, rotate the latches on both tractors forward (as shown in Step 6). Move the left tractor to the extreme left and the right tractor to the extreme right.



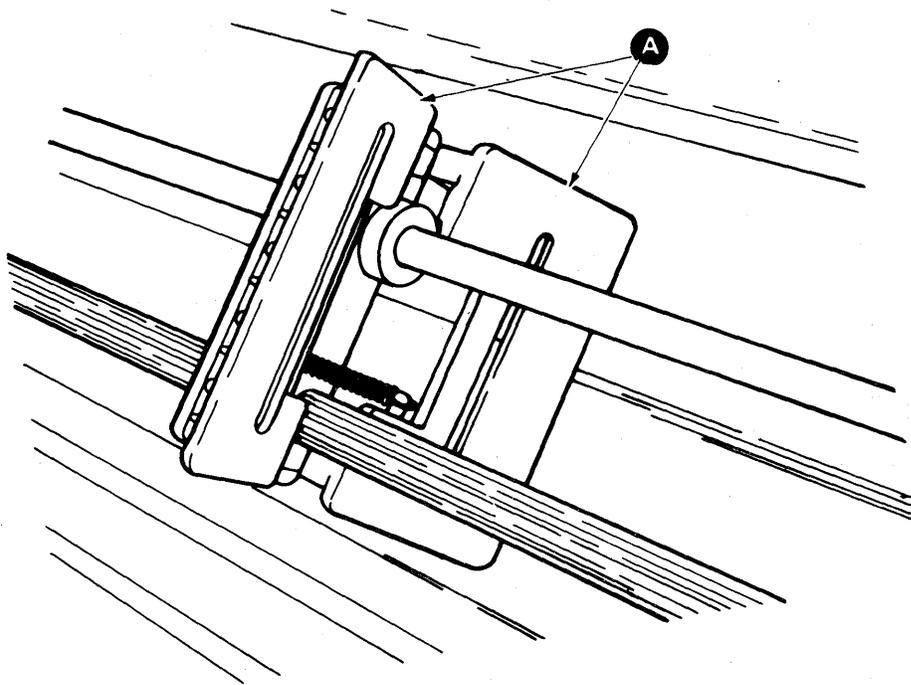
Step 12. Pull the tension bar lever **A** to the load position .



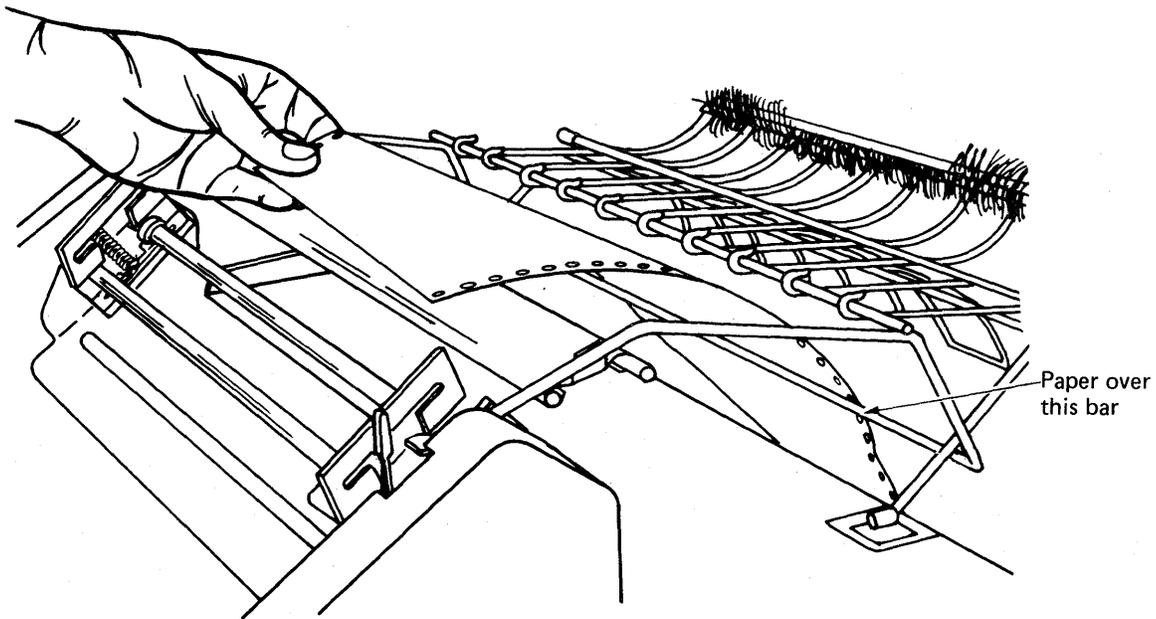
Step 13. Turn the power on (|).



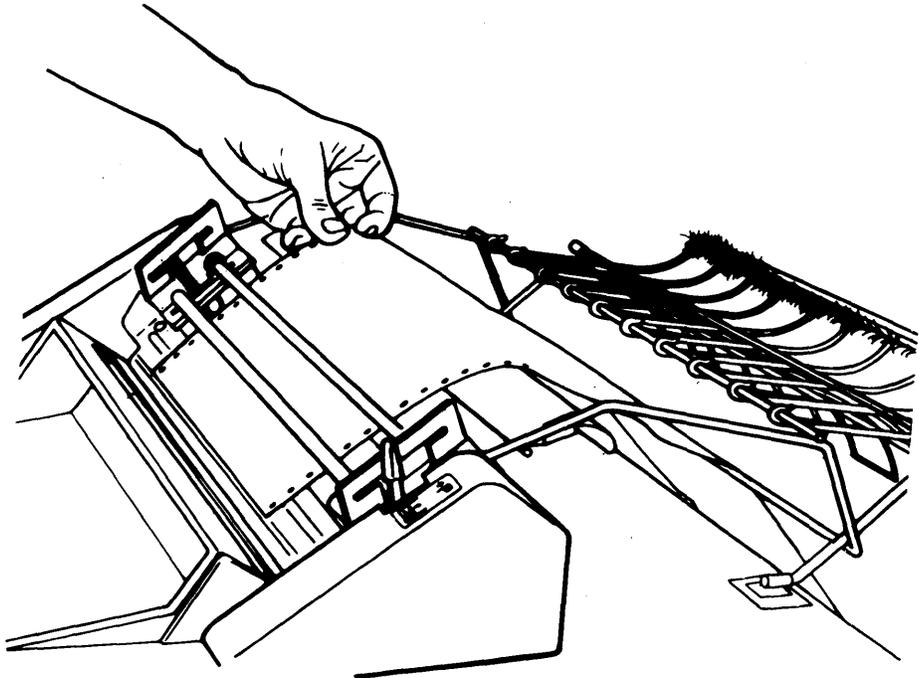
Step 14. Open both front and rear tractor lids **A**.



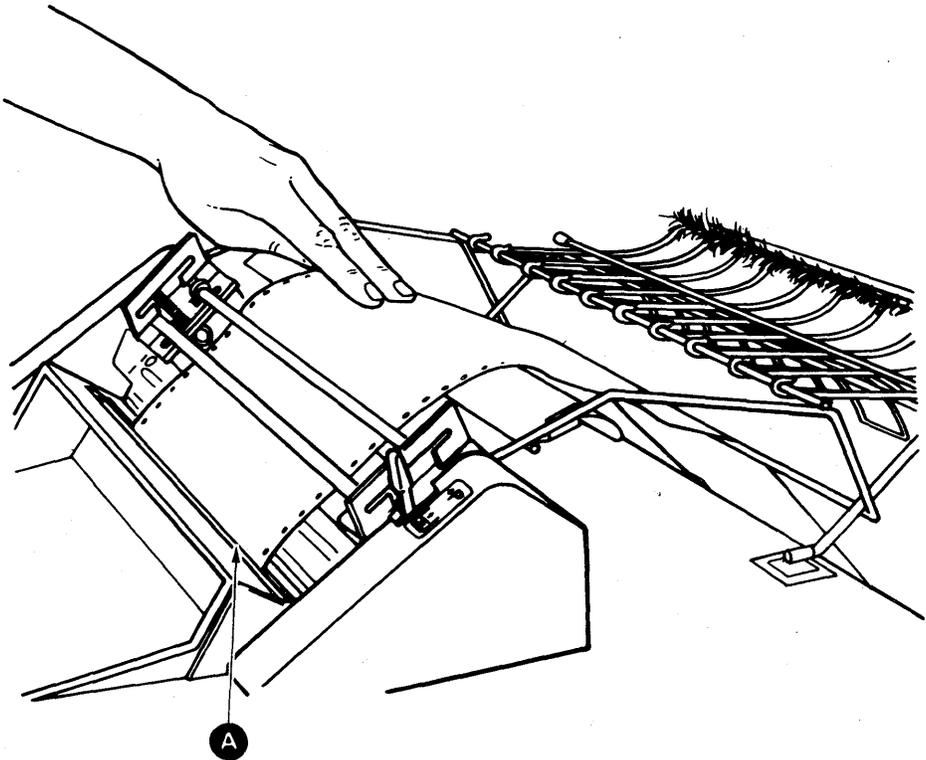
Step 15. Bring your form up through the Paper Separator Door.



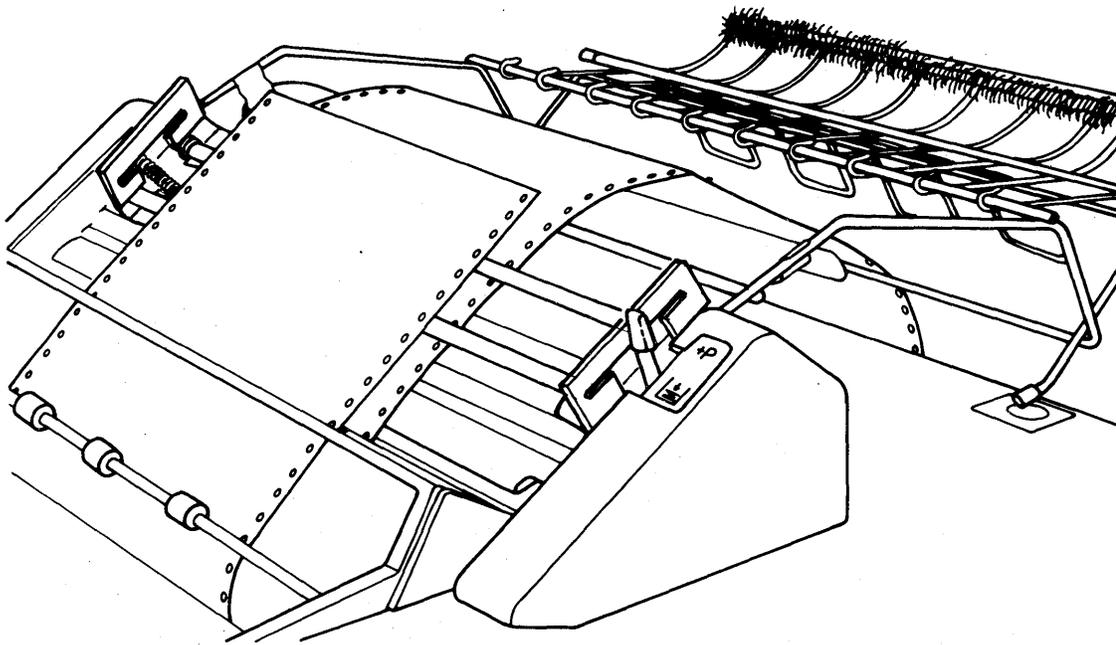
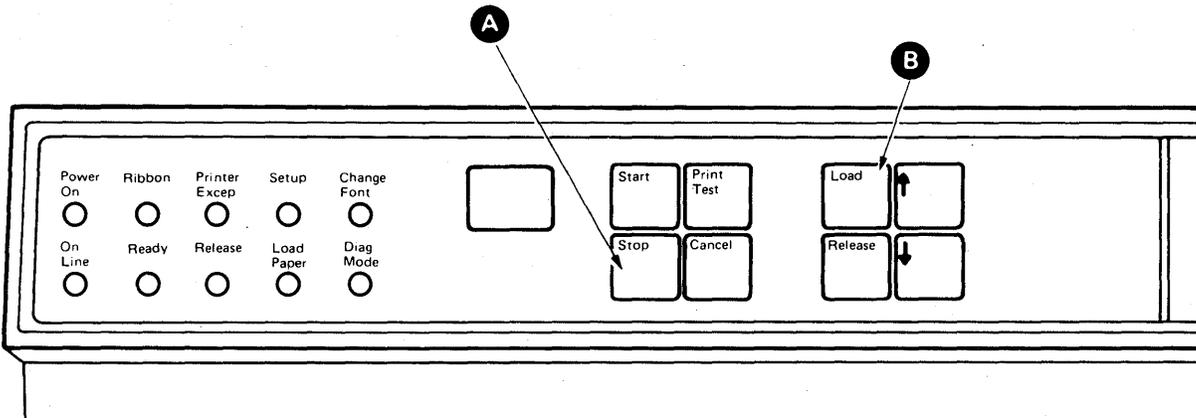
Step 16. Insert the form as shown.



Step 17. Slide the form into the paper slot **A** until it stops.

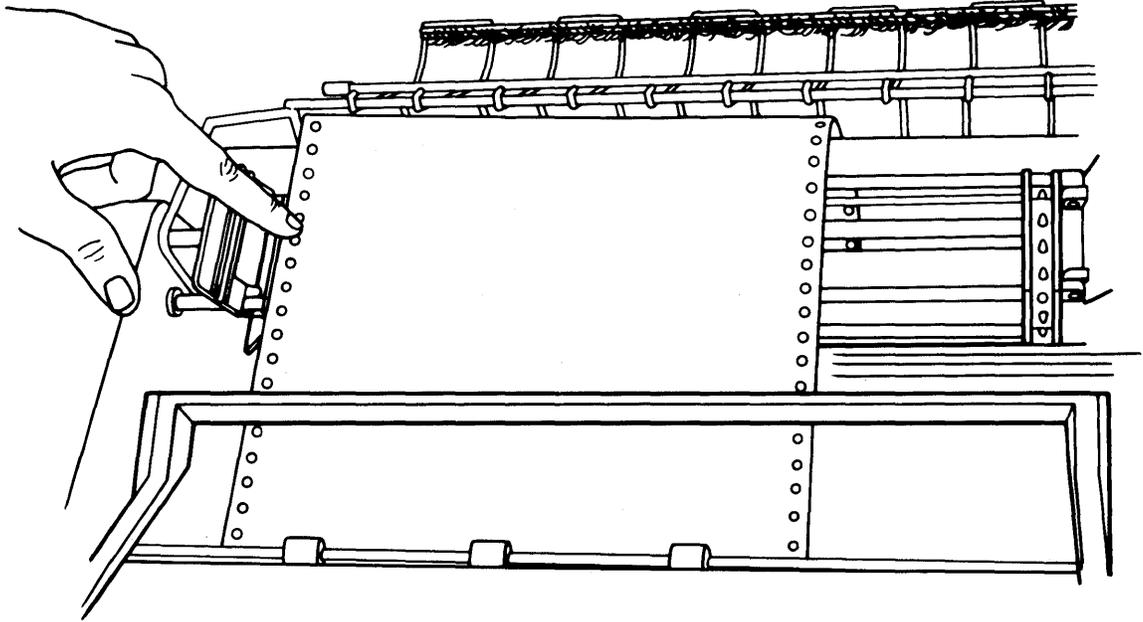


Step 18. Press and release the Stop button **A**. Lightly hold the form in place and press the Load button **B**. The form will feed through the printer.

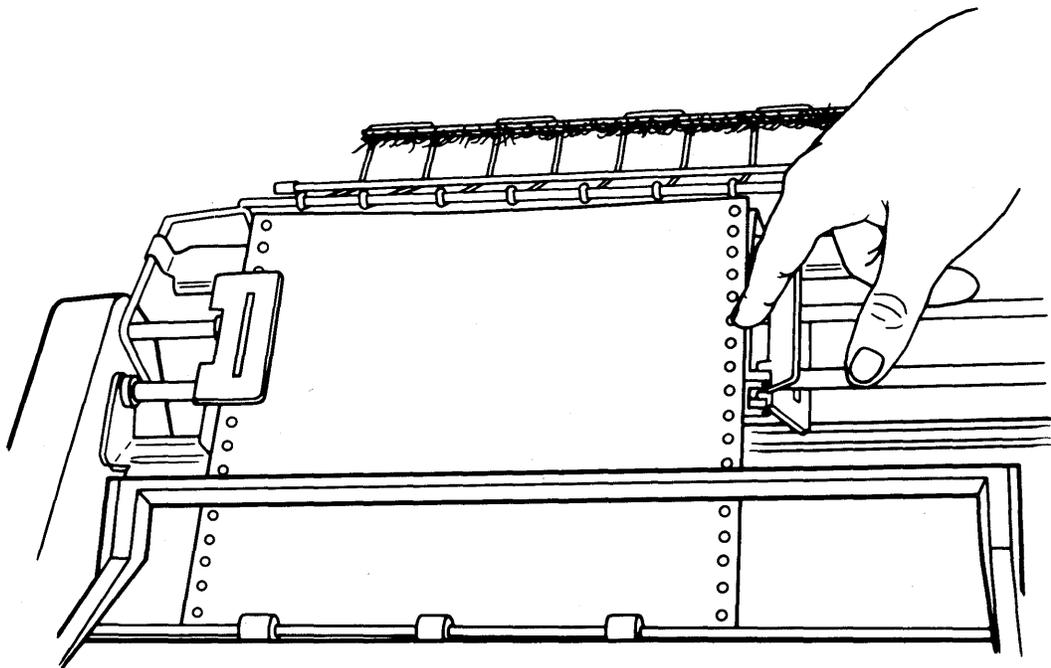


If the form fails to feed, repeat steps 15 through 18. If the form still fails to feed, contact your service representative and report that forms will not feed.

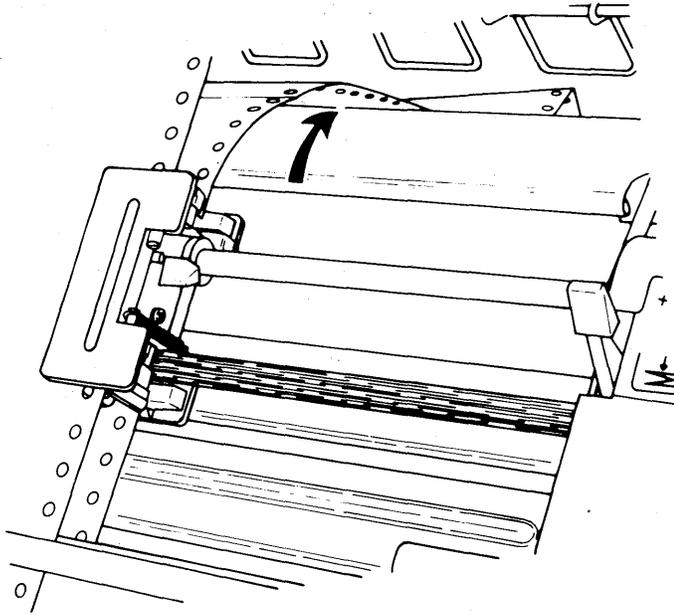
Step 19. Slide the left tractor toward the form so that the holes in the form can be placed on the pins of the front tractor. Close the left front tractor lid.



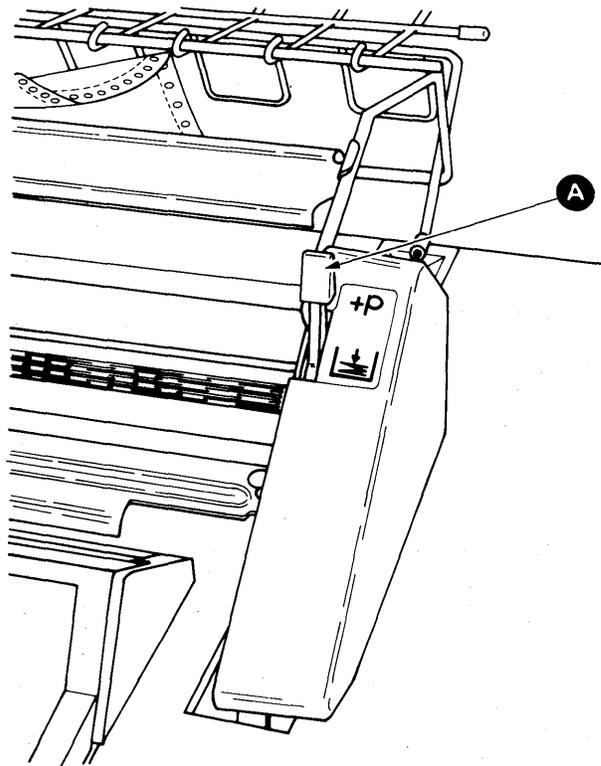
Step 20. Slide the right tractor toward the form so that the holes in the form can be placed on the pins of the front tractor. Make sure the form is level. Close the right front tractor lid.



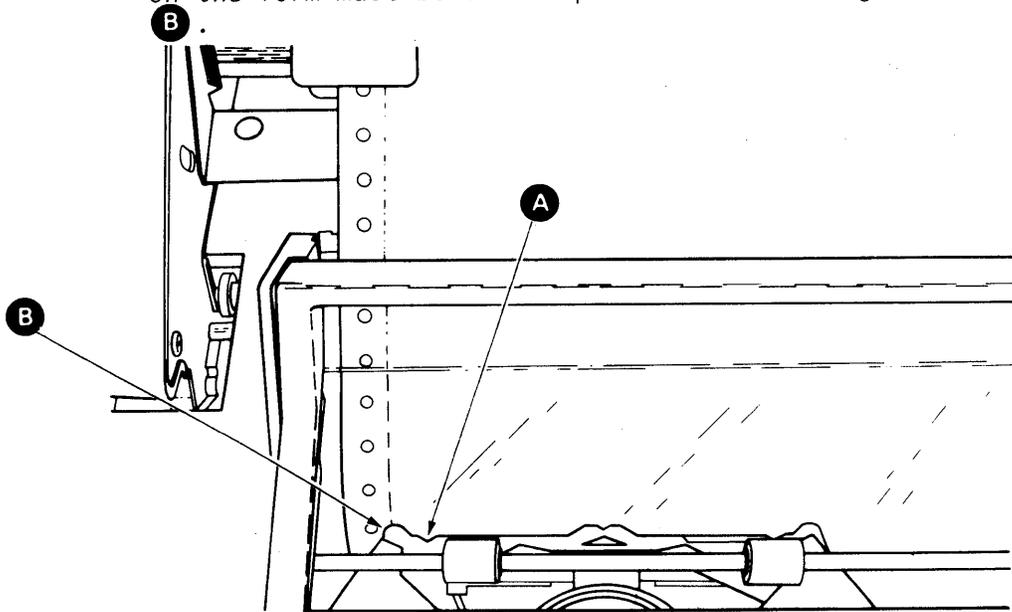
Step 21. Gently pull on the back side of the form to remove any excess slack. Place the form on the rear pins of both tractors and close both rear lids.



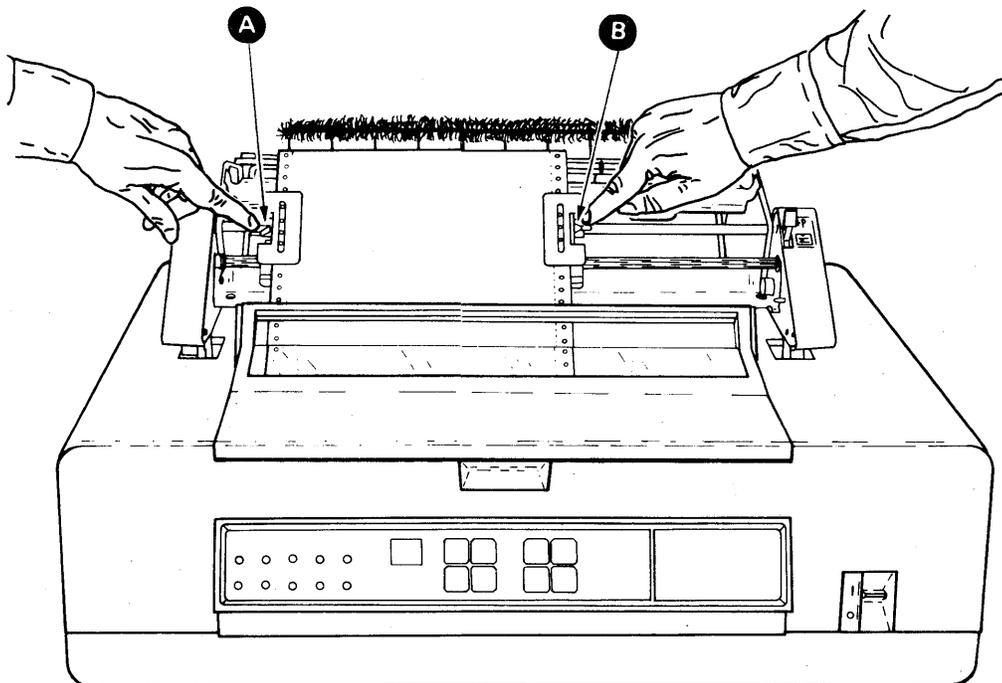
Step 22. Move the tension bar lever **A** to the print position **+P**.



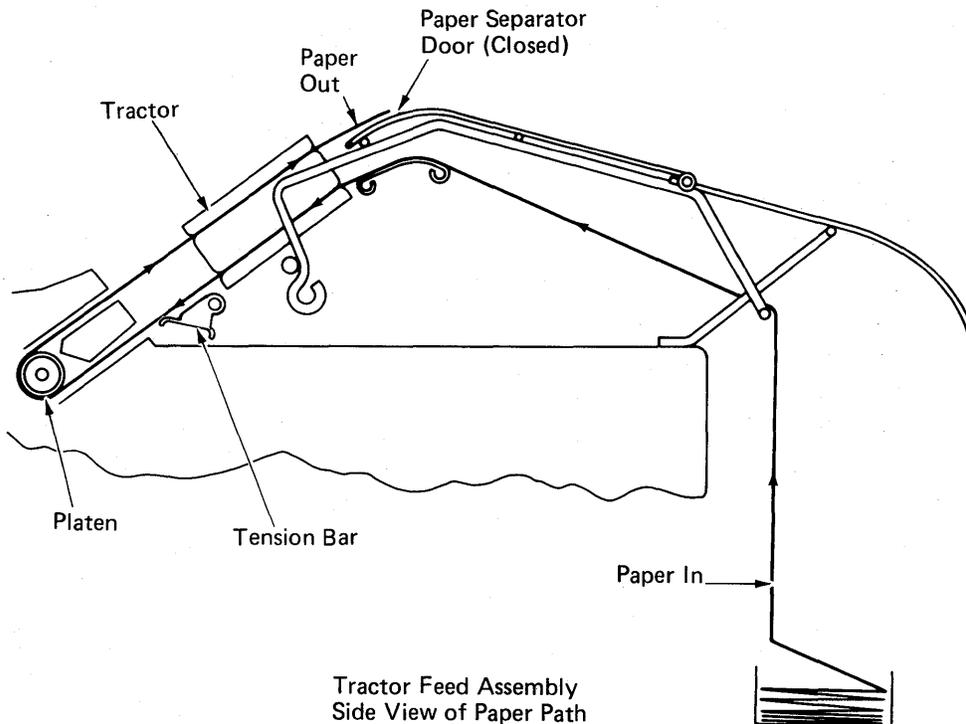
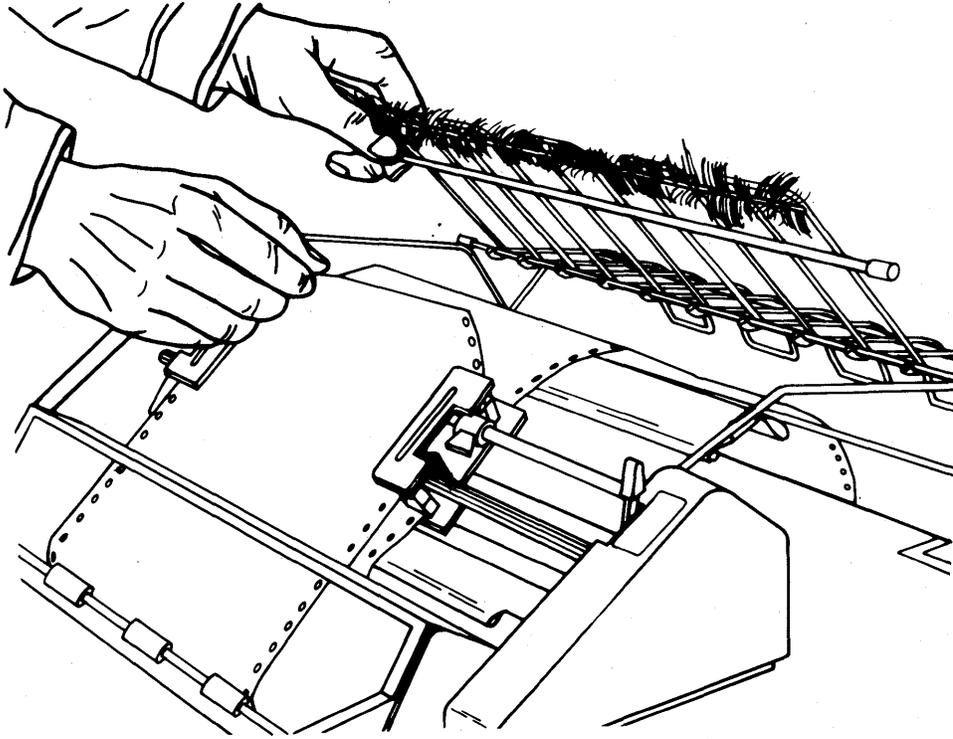
Step 23. To make horizontal adjustments of the form, slide the left and right tractors to align the form. The left V Notch **A** on the card holder represents the first print position. The perforation on the form must be lined up with the left edge of the cardholder



Step 24. Lock the left tractor by pressing down on the latch **A**. Adjust the right tractor so the form is flat and free of wrinkles. Lock the right tractor by pressing down on the latch **B**.

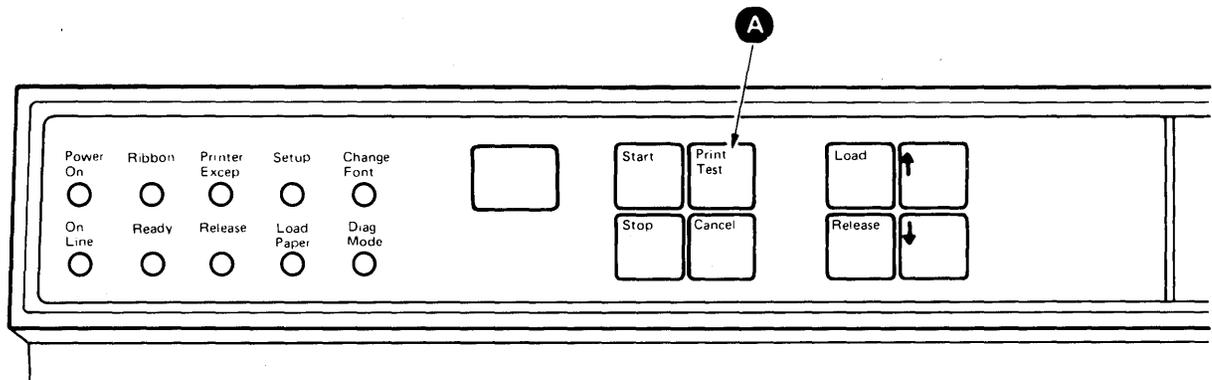


Step 25. Lift the form and close the Paper Separator Door. After completing this step, the form should be loaded as shown in the side view below.



Tractor Feed Assembly
Side View of Paper Path

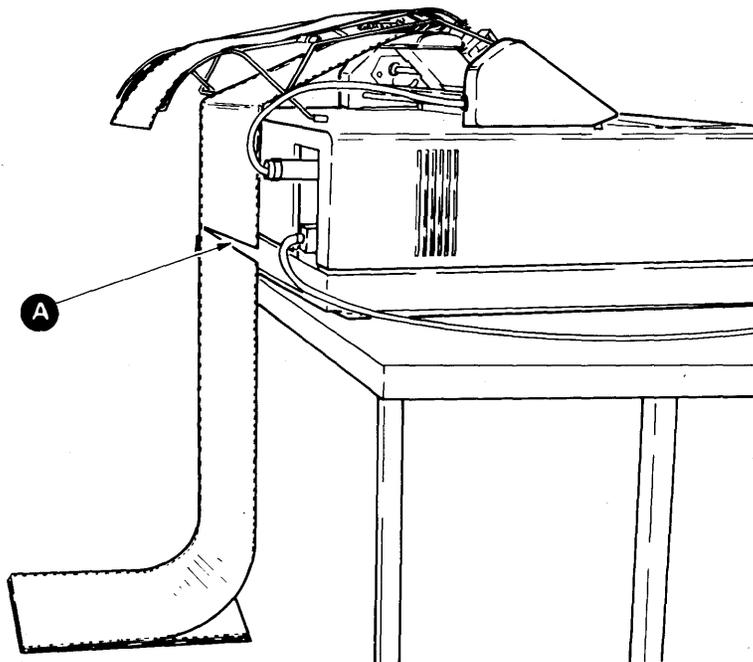
Step 26. Press the Print Test button **A**. The print test will print (a sample is shown below) and the form will be advanced.



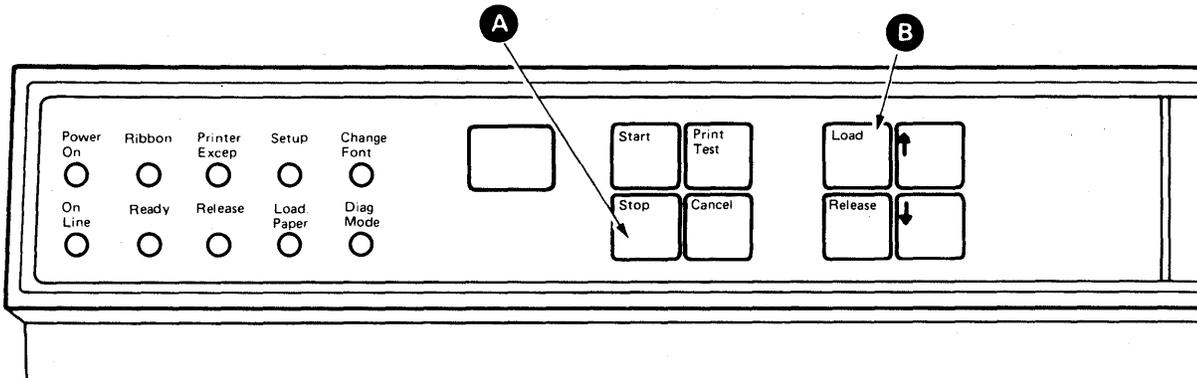
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UNLOADING FORMS

Step 1. Tear the incoming form at the nearest perforation **A** before it enters the IBM Tractor Feed at the rear of the printer.

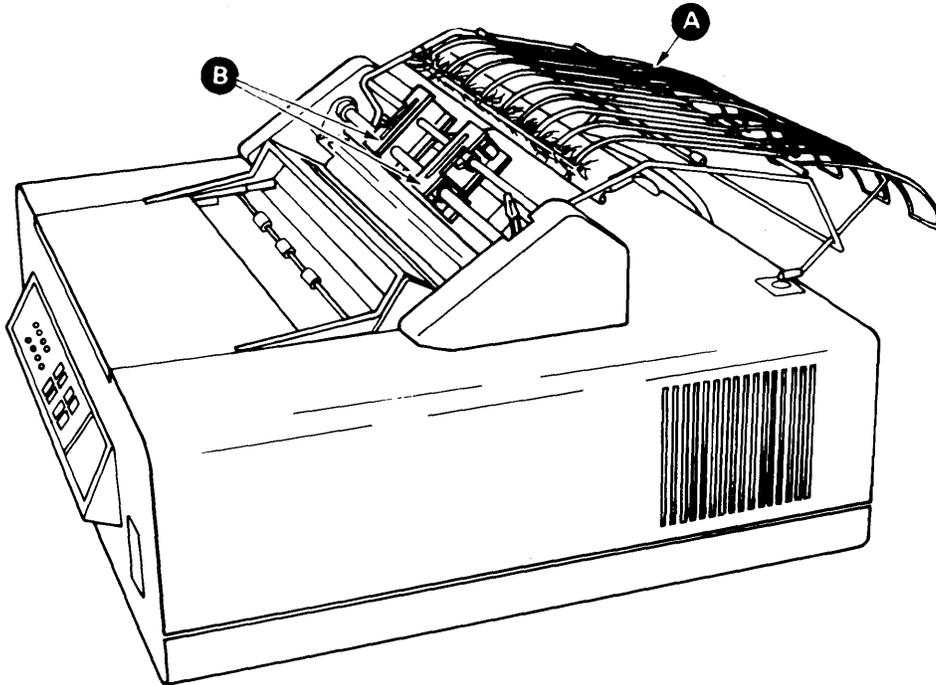


Step 2. Press the Stop button **A** then press the Load button **B** until the form leaves the printer and the front tractors. You may have to press Load more than once. Remove the form.

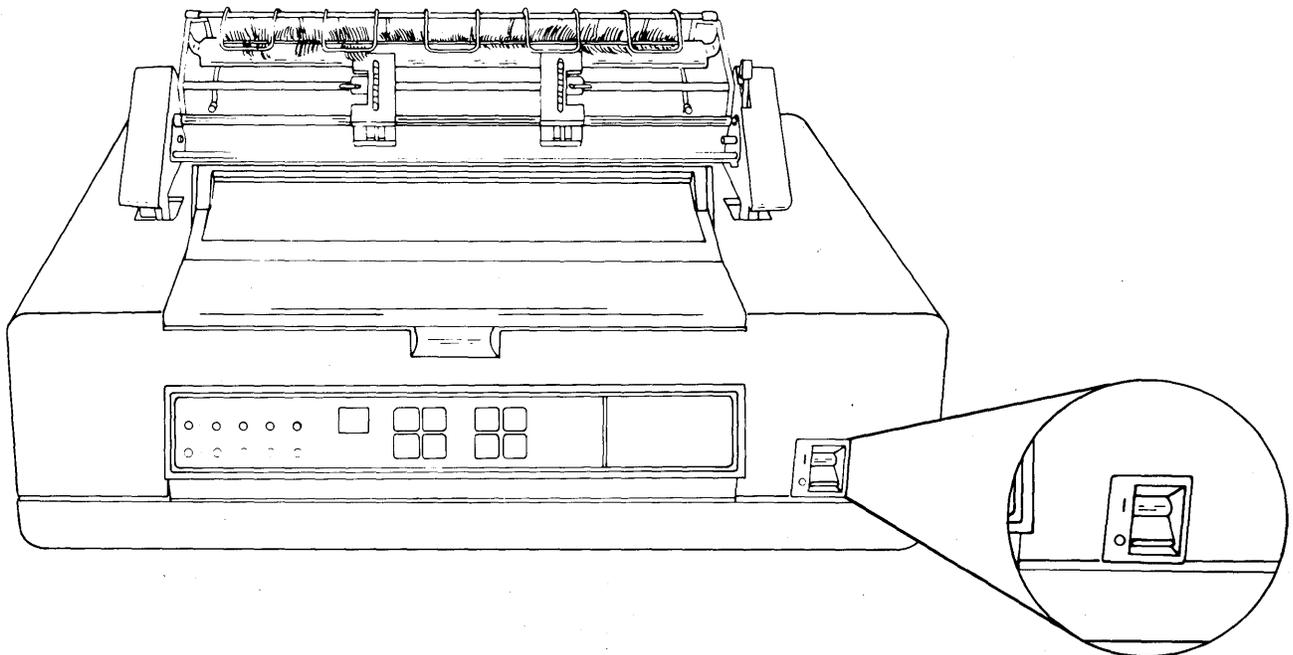


REMOVING THE IBM TRACTOR FEED

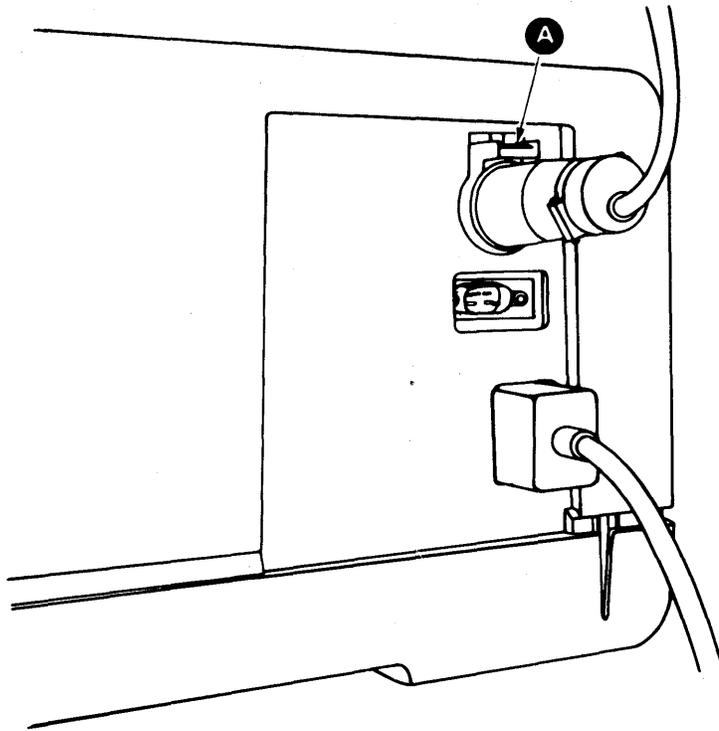
Step 1. Unload the forms from the printer (see Unloading Forms). Close the Paper Separator Door **A** and close the tractor lids **B**.



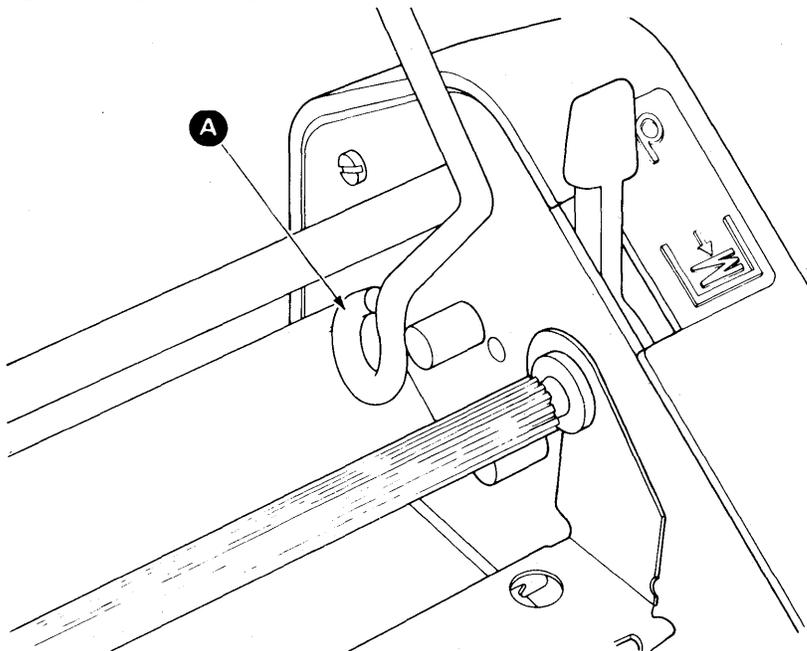
Step 2. TURN THE PRINTER POWER OFF (O).



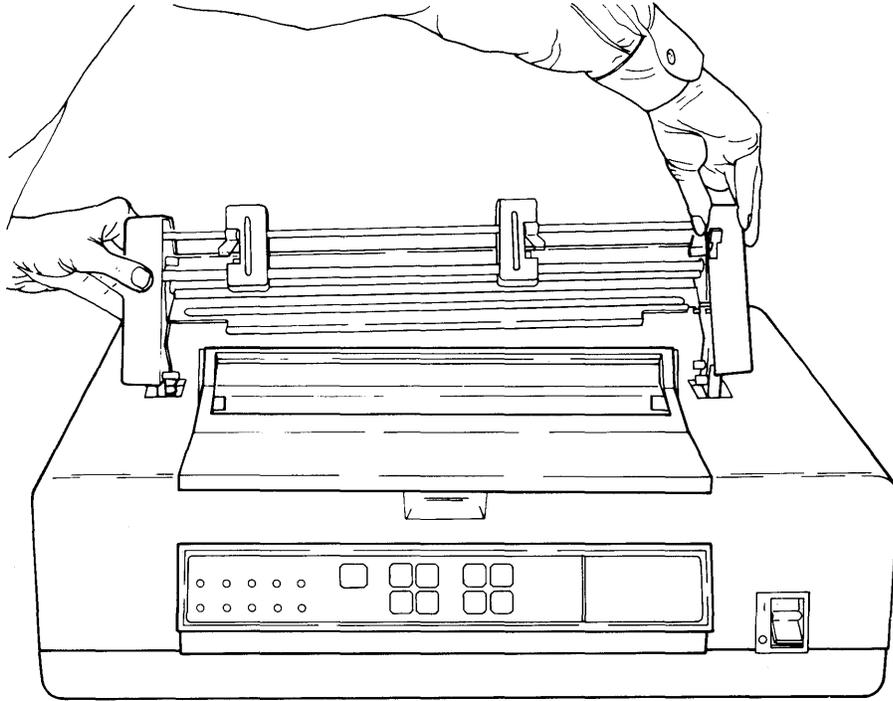
Step 3. Press the spring-loaded thumb latch **A**, and unplug the cable.



Step 4. Lift the Paper Separator forward until the wire loops **A** clear the IBM Tractor Feed.



Step 5. Rotate the IBM Tractor Feed forward and lift until it clears the printer cover. Store the IBM Tractor Feed in a safe place.

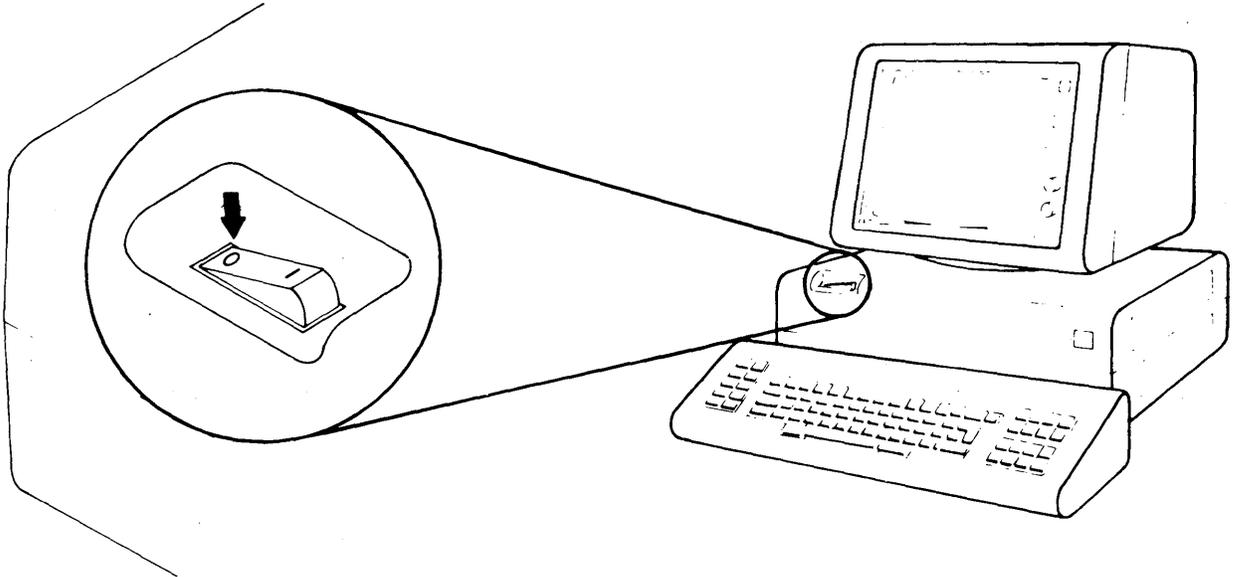


You have completed this section,
go to Section 5.

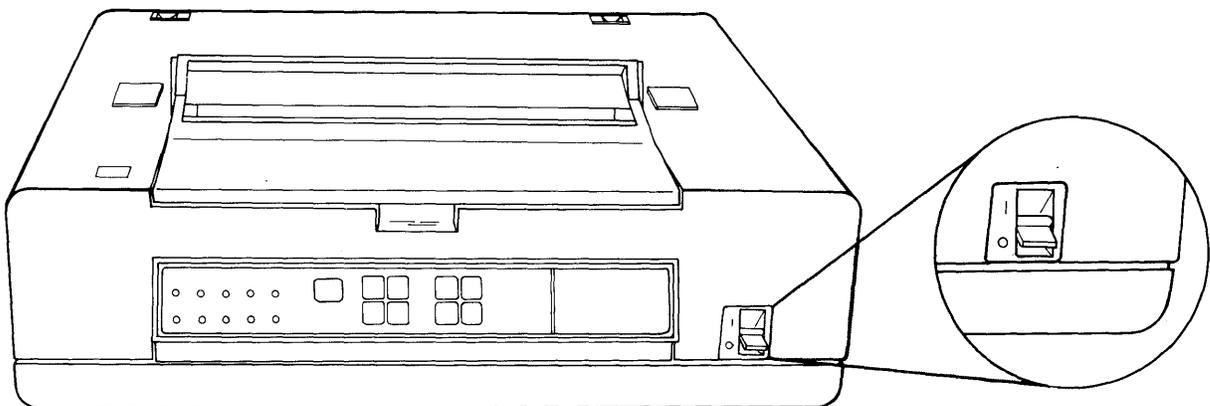
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SECTION 5. PRINTER CABLE ATTACHMENT

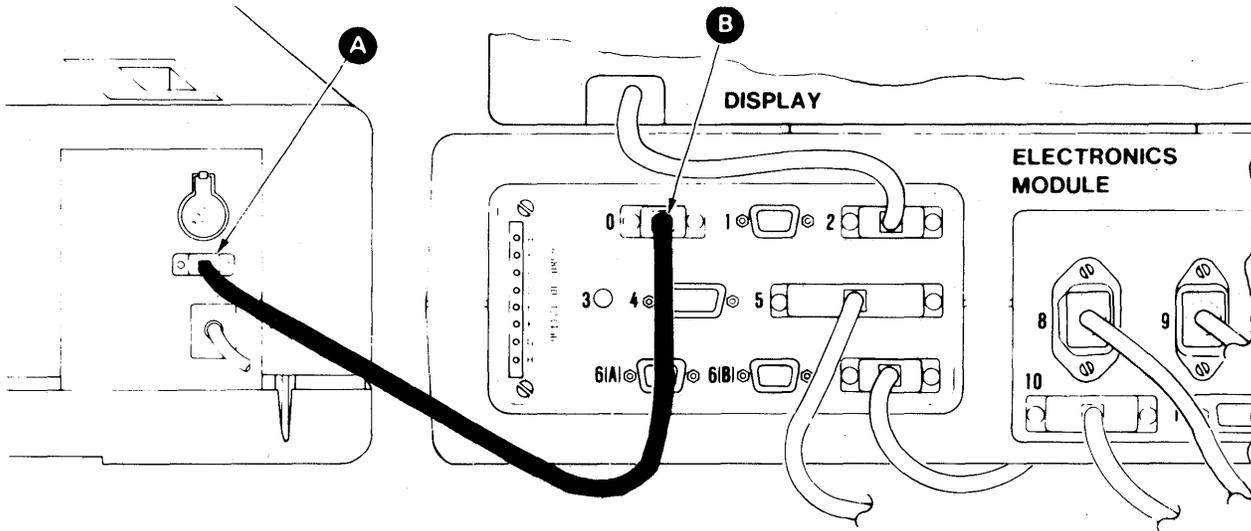
Step 1. Press the 0 (Power off) side of the Displaywriter Power switch.



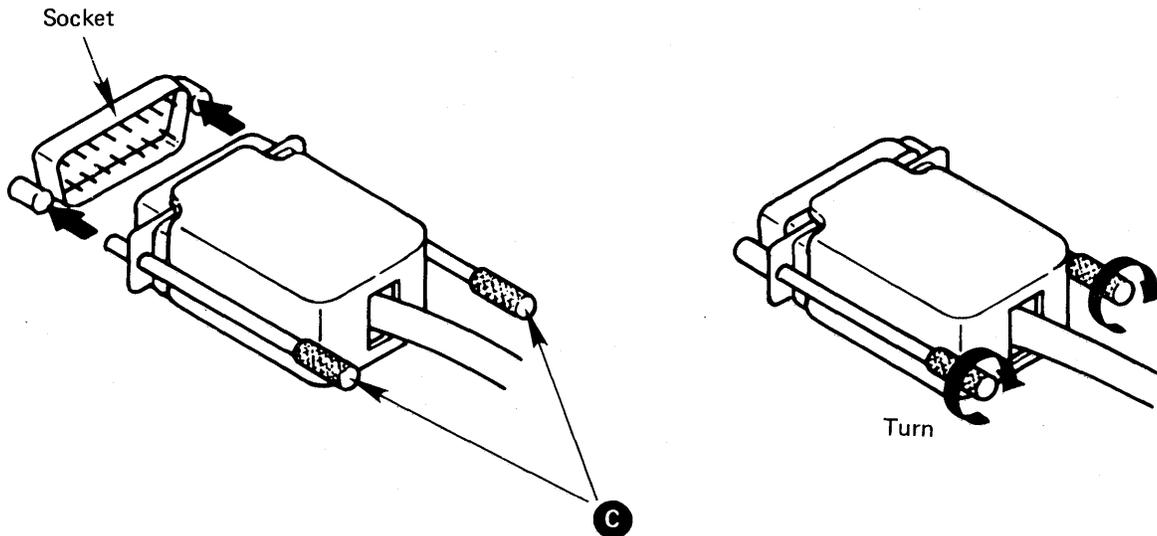
Step 2 Turn the printer power off (0).



Step 3. Connect one end of the printer cable to the socket panel on the printer **A** and the other end to Socket 0 **B** on the IBM Displaywriter Electronics Module.



NOTE: When connecting cable plugs, tighten the holding screws **C** finger tight only.



Step 4. Go to the "System Testing" section in the IBM Displaywriter System Customer Setup Guide.

READER'S COMMENT FORM

GA23-1007-1

IBM 5218 Printwheel Printer
Setup Procedures

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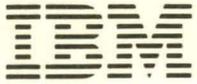
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