

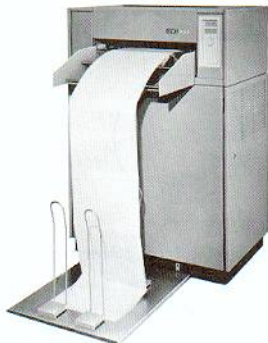
NCR EDP INFORMATION

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TITLE -- UNBUFFERED PRINTER (340-532)

General Description

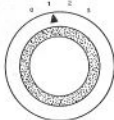
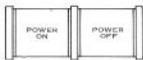


- An Unbuffered Printer which is used as an output device for the 315 Data Processing System.
- The Printline contains 132 columns and each column contains 64 characters.
- Capable of printing both alpha-numeric and numeric information.
- Capable of printing up to 620 lines per minute.
- When operating in the "Slew-Before-Print" Mode, the Printer is On-Line for the entire Slew and Print Cycle. Cannot "time-share".
- When operating in the "Slew-After-Print" Mode, the Printer is On-Line only for the Print portion of the Cycle and goes Off-Line to Slew. During this Off-Line Operation the Processor is free to perform other operations and thus "time-sharing" is possible.
- Prints at the rate of 48 inches of paper per second or 6800 lines per minute.
- Contains a device which prevents ribbon skewing.

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Operator Control Panels

Operator Panel



- Press to activate the input power circuits and prepare for operation.
- Illuminates Amber when it has been pressed but the AC Power sequencing has not yet been completed.
- Illuminates Amber if the Printer has been partially down-sequenced because of an "Error Condition" or if the Typeline Speed Switch has been changed.
- Illuminates Green when the Printer has completed its AC sequencing and power distribution.
- Press to "reset" errors (SET LOOP Button illuminated Red).

If the Red Light under SET LOOP does not go out, press OPERATE (once only) and then press POWER ON again. (If the OPERATE Button is pressed twice, the Printer will drop out of the Operate State.)



- Press to remove power from input power circuits and disable the Printer.
- Illuminates Red when the Printer has been connected to its power source but AC sequencing has not yet been completed.
- Not illuminated if the Printer is not connected to its power source or if the POWER ON Button is illuminated Green.



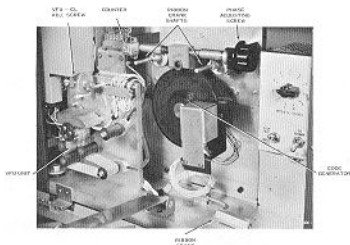
- Press to activate Paper Slew Mechanism so that when paper is installed, the VFU Tape and the paper will be synchronized.
- Illuminates Red if an "Error" Condition exists.
- Will clear "JY" (End-of-Page) and "JY+1" (Out-of-Paper) Indicators in the Printer (if they are set).



- A four-position rotary switch used to assign a unit number to the Printer.

Other Operator Controls

Controls located under the hinged cover panel on the upper right-hand side of the Printer.



ON When in this position, columns 121 through 132 will be inhibited from printing.



OFF When in this position, all 132 columns can be printed.

COLUMN INHIBIT



ON When in the "up" position, the sequence of operation will be "Slew-Before-Print".



OFF When in the "down" position, the sequence of operation will be "Slew-After-Print".

SLEW

PRINT

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PHASE
ADJUSTING
SCREW

- Used to perfect the print-out when a form of different thickness is used, or when the Typeline Speed has been changed.
- The proper values for the different speeds and different forms should have been established and recorded. Consult the recordings for correct numerical indication and set the "Counter" accordingly.



VFU - CL
ADJUSTING
SCREW

- Provides the means of adjusting the line of print to correspond with the lines on the paper.

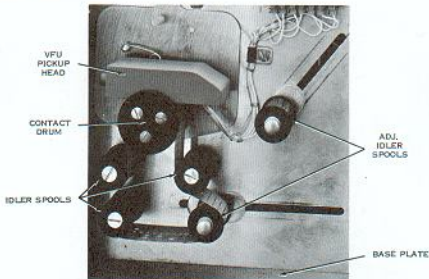


INTENSITY
CONTROL

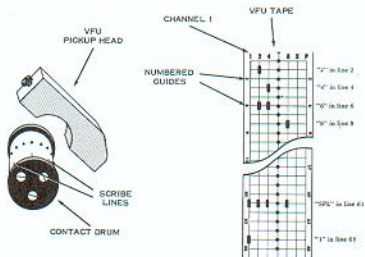
- Provides a means of adjustment so that each character will print fully and evenly from top to bottom. Changing the Typeline Speed or using a different weighted form makes this adjustment necessary. (Used in conjunction with Phase Adjusting Screw.)

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Install the VFU Tape.

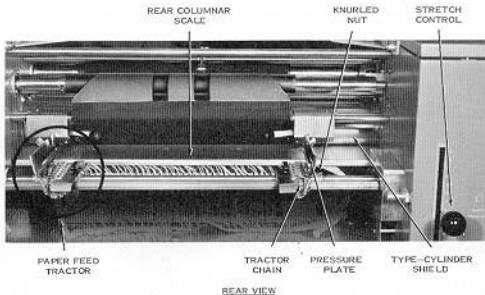


VERTICAL FORMAT UNIT



1. Obtain pre-punched VFU Tape that corresponds to the printed form being used.
2. Lift the VFU Pickup Head and insert the tape across the Contact Drum with Channel 1 to the outside.
3. Place one of the numbered guides of the tape directly over a scribe line on the Contact Drum (see above)
4. Thread the VFU Tape so that it is to the inside of the two spools which are nearest the Contact Drum (to the right of the left-hand spool and to the left of the right-hand spool).
5. Lower the VFU Pickup Head to hold the tape in place.
6. Bring the VFU Tape to the top of the spool which is located on the left and nearest the Base Plate.
7. Place the other side of the tape to the right of either one or both of the adj. idler spools.
8. Adjust the idler spools until the tape is held with a slight amount of tension.
9. Press the SET LOOP Button.

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REAR VIEW

1. Mount the VFU Tape. Press the SET LOOP Button.
2. Raise the pressure plates on the front and rear paper feed tractors.
3. If the width of the paper forms are the same as those used previously continue with Instruction 4. (If the paper forms are of different width, skip to Instruction 10.)
4. From the rear of the Printer insert the paper underneath the rear Columnar Scale, the type-cylinder shields and the front Columnar Scale.
5. From the front of the Printer line up the perforation (between the pages) with the front edge of the front Columnar Scale.
6. Place the holes (in the sides of the paper) over the pins of the front tractor chains and lower the pressure plates.
7. From the rear of the Printer, place the holes (in the paper) over the rear tractor chains and lower the pressure plates.
8. Adjust the Stretch Control until the pins of the tractor chains begin to deform the holes in the paper.
9. If the form thickness (multiple copies) has changed or the Typeline Speed has been changed, the Phase Adjusting Screw will have to be changed.
10. If the width of the paper forms (being installed) is different from the forms used previously, the following instructions must be performed:
 - a. Loosen the knurled nuts on the front and rear paper feed tractors.
 - b. From the rear of the Printer, insert the paper underneath the rear Columnar Scale, the type-cylinder shields and the front Columnar Scale.
 - c. From the front, line up the perforation with the front edge of the front Columnar Scale.
 - d. Place the holes (in the sides of the paper form) over the pins of the front tractor chains and the lower the front pressure plates.
 - e. Adjust the front paper feed tractors (laterally) to correspond to the width of the paper forms. (The forms must be positioned so all the characters on the Type-line will be printed within the appropriate margins.)
 - f. Tighten the knurled nuts on the front paper feed tractors.
 - g. From the rear, place the holes over the pins of the rear paper feed tractors and lower the rear pressure plates.
 - h. Adjust the rear paper feed tractors to correspond with the width of the paper. (Make sure that the paper is straight -- lined up with the front.)
 - i. Tighten the knurled nuts. Now perform Instruction 8 and, if necessary, 9.