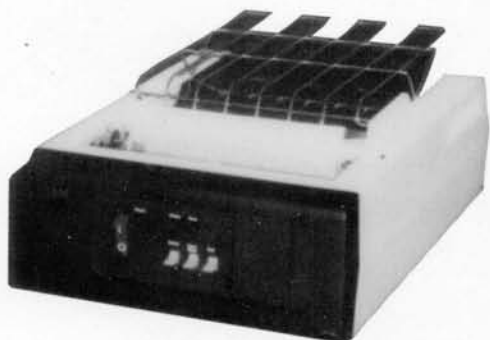IBMIBMIBMIBMIBMIBMIBMIBMIBMIBMIBMIBMIBMIBMIBM

3102

Matrix Printer

3102 PRINTER

Product Description

The IBM 3102 is a receive only non-impact matrix printer which can be attached to the 3101 through the auxiliary RS232C (CCITT V. 24/V. 28) interface. The characteristics of the 3102 are as follows:

- Non-impact serial thermal printer
- Maximum line length 80 characters
- Unidirectional printing
- 40 characters/second
- 5 x 7 Character font
- 10 characters/inch horizontal pitch
- 6 Lines/inch
- 95 printable ASCII characters plus error symbol
- Friction feed of 216mm wide thermal roll paper.

The 3102 is designed to be marketed via the direct marketing centres with 3101 and is a repair centre product.

Serviceability

The customer will isolate the failing 3102 printer using the customer problem analysis and resolution (CPAR) quide and return the failing unit to the IBM CFM 2 Centre for repair.

A. C. fuse and print head are designated as accessories and can be replaced by the customer without the use of tools.

Serviceability aids include :

- Resident microcode diagnostic tests which check out the 3102 functions at power on or when the test switch is operated.
    - MPU Test
    - RAM Space Test
    - ROM Scan Test
    - Communications Wrap Test
    - Print Head Move Test

- Additional print test when test switch has been operated.
    - Sound Alarm 750ms
    - Print CSU Switch Status
    - Print all characters in ROM
    - Print 7 rows of 80 'H'.
    - Basic Assurance Test
- On line testing can be performed by sending data from the attached 3101.
- Error Detection
    - Parity check or dropped stop bit cause error symbol to print
    - Communication buffer overrun

The 3102 has no capability to report errors back to the 3101.

Maintenance Philosophy

The 3102 is designated a CFM 2 Centre product.

The customer shall perform set-up and problem isolation to the failing 3102, AC fuse or printhead. If a customer desires local CE assistance in determining that the printer, AC fuse, or printhead are failing, this assistance will be provided at the prevailing per call rate. CE assistance will be limited to problem determination only, no 3102 training, service documentation, parts or tools will be provided to the field force. The CE must not attempt to repair the failing printer, but should instruct the customer to return the 3102 to the appropriate IBM CFM 2 Centre for repair. Service Code 26 may be used for 3102 activity by the local CE.

Models

There is only one model of the 3102 printer, which is available only for attachment to USASCII versions of the 3101. Only the USASCII character set is supported. Two line voltages may be specified in EMEA — 220V or 240V.

Communications Interface

Communication to the 3101 is via a receive only E1A RS232C (CC1TT V.24/V. 28) interface.

Line speeds supported are 110/150/200/300/600/1200/1800/2400/4800/9600 b. p. s.

Set-Up Capability

The CSU switches allow customers to select the line Baud rate, Parity, and carriage return/new line options.