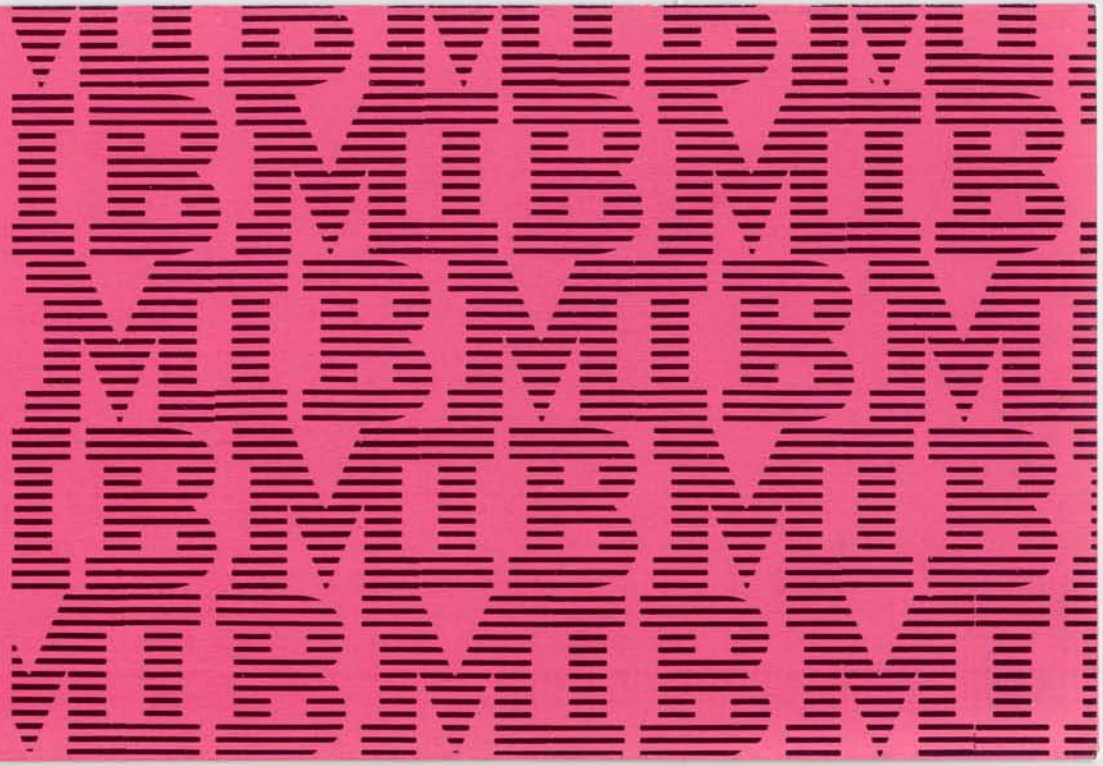
3540

Diskette
Input/Output Unit



Product Description

The 3540 Diskette Input/Output Unit is a standalone disk drive which attaches to System/370s with virtual storage capabilities. It provides direct system input from or output to the new IBM Diskette.

Two models are available. The Model B1 contains the following functional units.

- Disk Drive
- Autoloader
- Control Unit
- Control Panel
- Power Supply

The Model B2 contains an additional disk drive, control panel, and autoloader. This provides the customer the capability to perform simultaneous input/output operations.

Technology

- Control Unit - Monolithic System Technology (MST-1)
- Sense Amps and Drivers - Solid Logic Technology Dense (SLD-100)
- Control Storage - Monolithic Systems Technoligy Array (MST-A)
- Main Storage - Monolithic Storage

Career Path

This is a CE career path " General Systems" product.

IBM 3540

Maintenance Features

The 3540 which uses the latest service techniques employs an integrated maintenance approach. The hardware and microprogrammed aids and the documentation have been designed to complement each other in defining and repairing a machine problem.

- Rapid removal, replacement and adjustment of all Field Replaceable Units (FRU).
- Error information collected at the time of failure on both hardware and software errors is stored in the 3540 control unit. This information is also sent to the system to be stored in Sys 1 Log Rec File for longer history if required.
- Error logs are used to enter the proper point in the documentation which will assist in isolating and repairing the malfunction.
- Microprogrammed exercisers, resident within the 3540 control unit, allow machine operations without the use of system facilities.
- The maintenance library manual is an integrated part of the service call. This manual is graphically illustrated and contains all of the information required to correct machine malfunctions.
- The CE Panel may be used concurrently with customer operation during initial problem isolation. The operations which may be performed in conjunction with customer operations are:

  - Display registers, buffers, checks
  - Display control unit operations
  - Timing analysis procedures
  - Display error log information
  - Microprogram trace

  The following operations may be accomplished when the machine is in an off-line mode.

  - Set and load registers and main store
  - Display ALU output
  - Read only storage (ROS) scan
  - Set control storage address register (CSAR)
  - Microdiagnostic programs to verify all machine functions.

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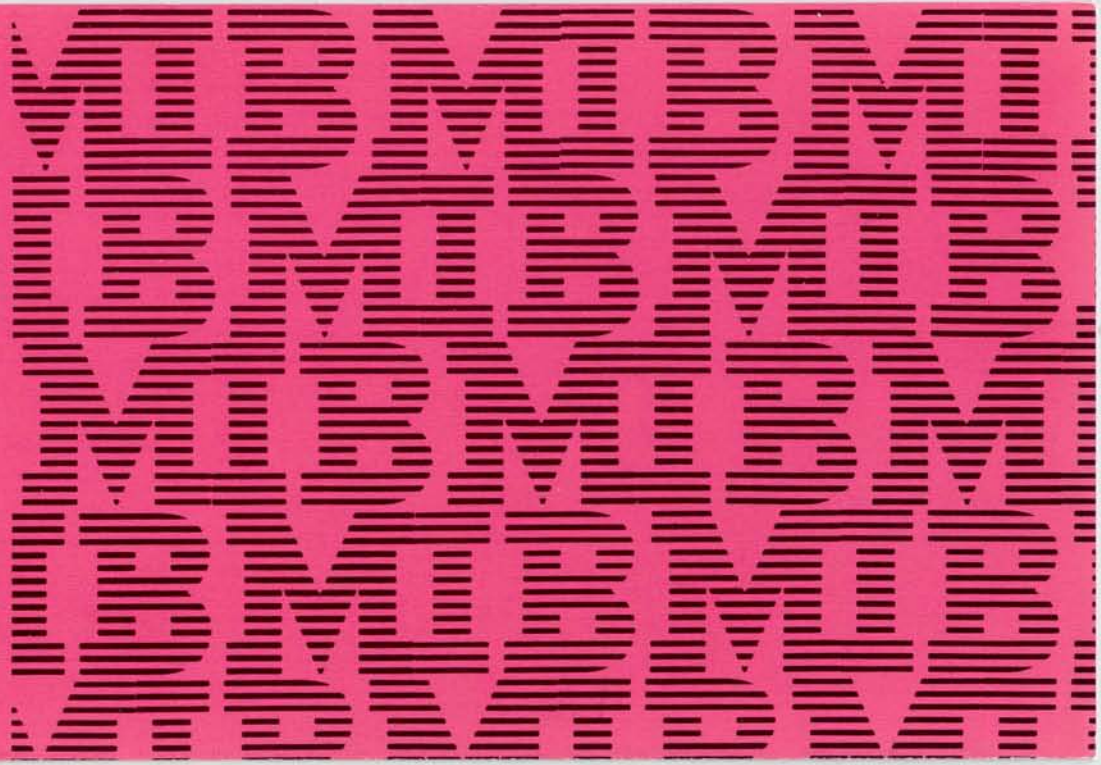
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