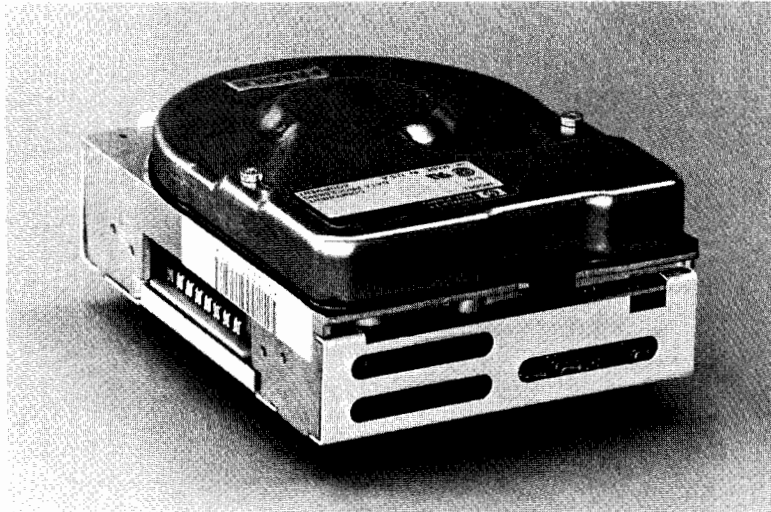


3 1/2-INCH WINCHESTER DISC DRIVE MECHANISM



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INTRODUCTION

The 3 1/2-inch Winchester Disc Drive (HP 97501A) has a formatted capacity , at 256 bytes-per-sector, of 10.44 Mbytes. The drive consists of a single 3 1/2-inch fixed disc and uses LSI technology. Each surface employs one moveable head driven by a common stepper motor actuator which can access 703 tracks, five of which are available spares. Each track consists of 29 sectors, one of which is an available spare. The disc drive does not require any adjustments, preventive maintenance, or thermal stabilization delay after power-on.

The power and interface is provided through one 40-pin connector on the drive.

INSTALLATION CONSIDERATIONS

Information on product installation specific to a product can be found under the appropriate product numbered tab in this book.

For drive configuration information for a specific product, see "Configuration", next.

CONFIGURATION

Unit Select Switch Configuration

The drive mechanism has one switch to configure: the Unit Select Switch. The Unit Select switch position will vary with the product and drive unit number. See Figure 1 for location of the Unit Select Switch.



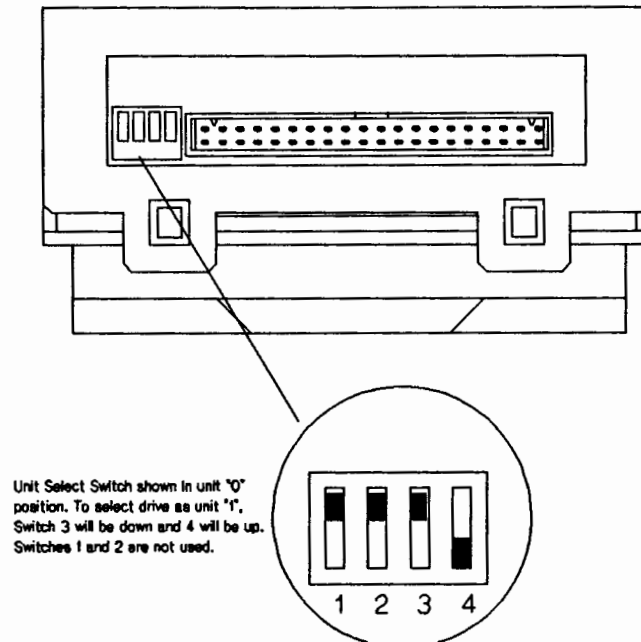


Figure 1. Unit Select Switch Configuration.

TROUBLESHOOTING PROCEDURE

Field repairs of the 3 1/2-inch Winchester mechanism are limited to replacement of the complete mechanism.

The troubleshooting procedure is as follows:

1. For initial problem isolation, see the appropriate product-numbered tab.
2. If the problem is isolated to the drive mechanism replace the complete drive mechanism.

ADJUSTMENTS

There are no adjustments for the 3 1/2-inch Winchester mechanism.

REPLACEABLE PARTS

The 3 1/2-inch Winchester Disc Drive, and its two printed circuit boards, is an exchange assembly with the following exchange part number:

09153-69111 3 1/2-inch Winchester Disc Drive.

