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Title:

RC3751 Flexible Disc Drive
Operating Guide

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Keywords:

RC8000, RC3600, operating, peripheral.

Abstract:

A brief description of the controls and their functions and of the operating procedures is given. Further, supplementary notes are included, for instance on maintenance.

(14 printed pages)

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1. CONTROLS 1.

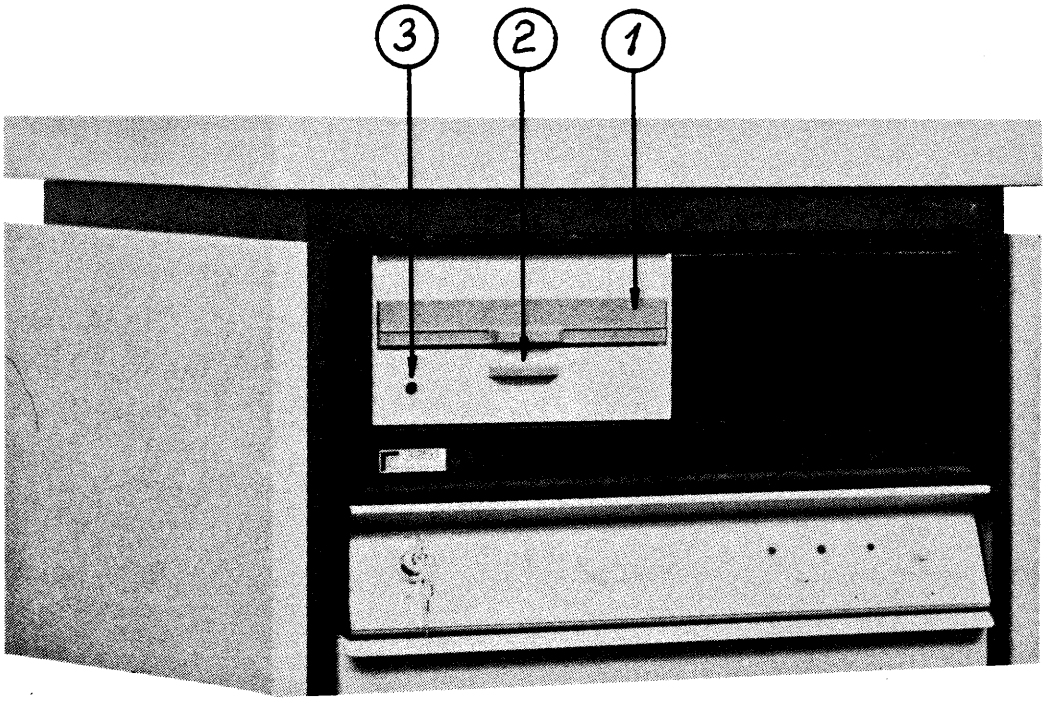


Figure 1: Controls.

POWER ON/OFF
(not shown)

- power is supplied automatically to the drive through the system power supply.

  At the rear panel of the drive there is a mains power switch, which can be used in those cases where the drive has to be isolated from the general system power supply.

1) Door

- the door is opened by pressing the push bar inwards. It is closed by pressing downwards on the front edge.

2) Push Bar

- when pressed inwards this opens the door.

3) Activity indicator - this ligth emitting diode (LED) mounted in the push bar on the front is illuminated whenever the read-write head is loaded.

Note: The ligth emitting diode may be mounted away from the push bar to the left on the front on some models.

2. OPERATING PROCEDURES 2.

2.1 Loading of Diskette 2.1

Press the push bar inwards to open the door.

Remove the diskette from the storage envelope. Make sure that the correct diskette side is facing upwards before loading. Usually the side with the label has to face upwards. However, in case a double-single-sided diskette is used either of the sides may have to be facing upwards, depending on the logical storage area which is to be used (cf. 3.4).

The diskette is carefully slid into the drive until solidly seated. The diskette will then be kept properly in place in order that the door can be closed by pressing downwards on the front edge of the door.

Figure 2: Diskette Loading.

Protect the empty envelope from liquids, dust, and other foreign materials.

2.2 Unloading of Diskette 2.2

The diskette should only be unloaded when the activity indicator is extinguished. To remove the diskette the push bar is pressed inwards whereby the door is opened and the diskette is expelled from the drive.

The diskette should immediately be stored in the storage envelope.

3. SUPPLEMENTARY NOTES 3.

3.1 Diskette Handling 3.1

The diskette consists of a plastic disc which is contained in a disc cover. Do never attempt to remove the disc cover. Further the diskette is stored in an envelope. Storage envelopes should be replaced when they become worn in order that they provide maximum protection of the diskettes.

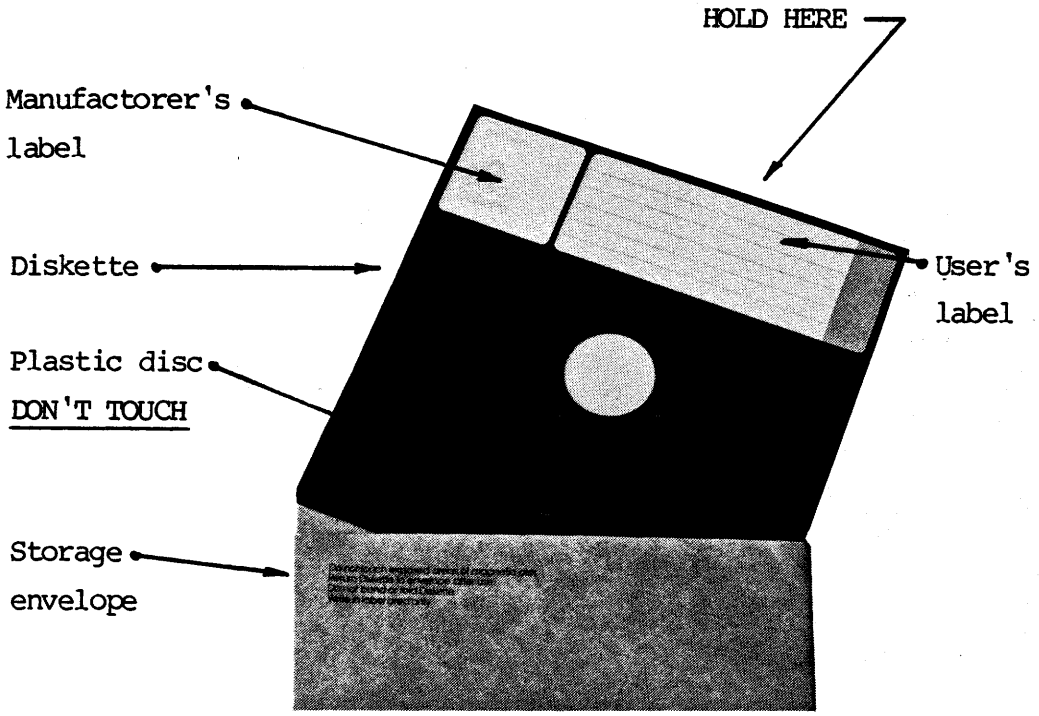


Figure 3: Diskette and Storage Envelope.

Keep diskettes away from magnetic fields and from ferromagnetic materials which might become magnetized. Strong magnetic fields can distort recorded data on the disc.

Do not expose diskette to heat or sunlight, - storage temperature should be kept in the range 10 - 50°C (50 - 125°F). If the diskettes are stored vertically, support the diskettes in order that they do not lean or lag.

Do not touch or attempt to clean the disc surface. The read-write head access the disc through the rectangular hole in the disc cover.

The diskettes are labelled with the manufactorer's label to the left and with a label to the right stating the contents of the diskette. The latter can either be made by the user or the manufactorer.

Important:
Never write on a diskette label after it has been stuck to the disc cover, - if doing so the disc surface migth be damaged. As an exception it can be done when using a felt tip pen.

3.2 Write-Protect of Diskettes 3.2

To write-protect a diskette a notch must be punched out.

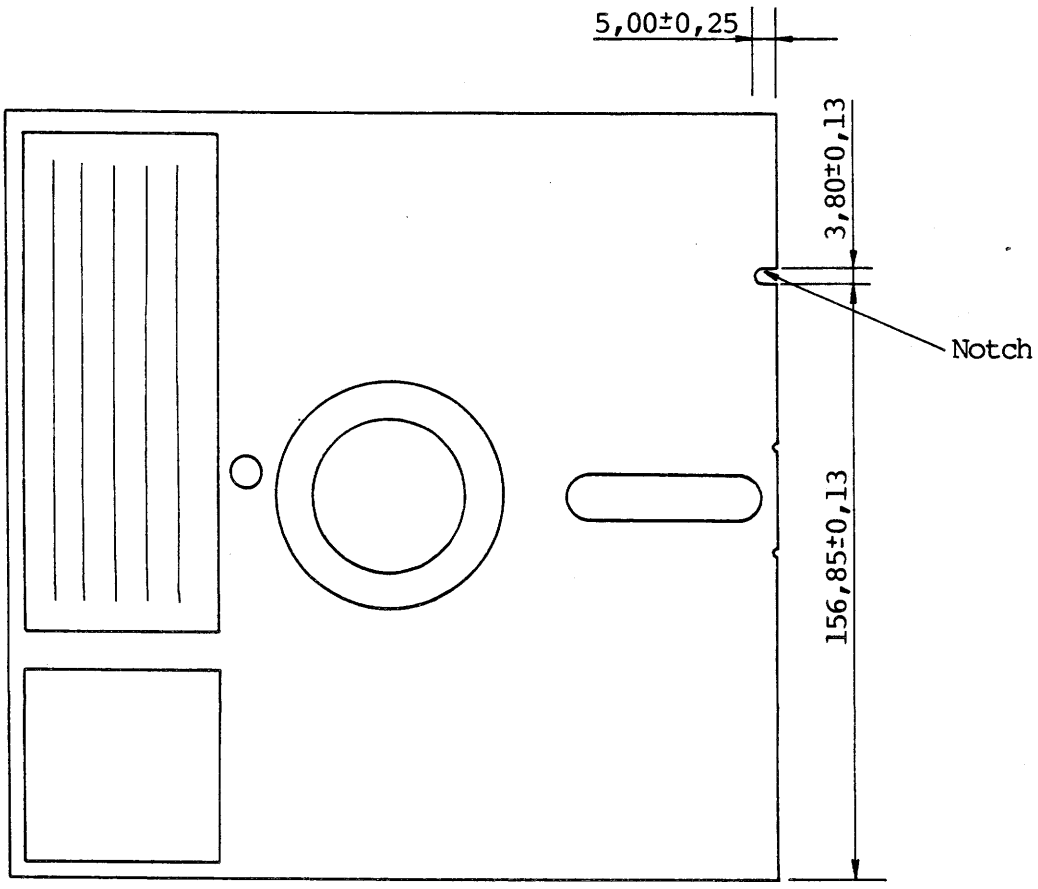


Figure 4: Position of Write-protect Notch.

It is automatically detected by the drive, whether a diskette is write-protected or not.

If a write-protected diskette have to be subjected to a write operation, this is possible by covering the notch with a piece of non-transparent tape. (The tape should be held against the disc cover edge and folded onto both sides of the cover).

When the notch is open the diskette is write-protected; when covered writing is enabled.

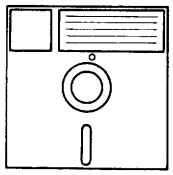
3.3 Types of Diskettes 3.3

There are 3 types of diskettes which are generally available for use with the drive. Which type of diskette that is used, is automatically detected by the drive. The operator only has to make sure that the correct diskette surface is facing upwards when loading the diskette.

Note: It is also possible that manufacturers' labels on the diskettes can identify their types but this is not always obvious.

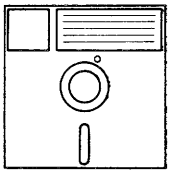
The types of diskettes are:

1) The single-sided diskette which has 1 recording surface and is 1 logical disc storage area.



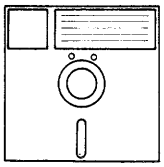
It is identified by a small hole in its cover which is at a position of approximately 12.15 o'clock when holding the diskette vertically.

2) The double-sided diskette which has 2 recording surfaces, one on each side, and is 1 logical disc storage area.



It is identified by a small hole in its cover which is at a position of approximately 1 o'clock when holding the diskette vertically.

3) The double-single-sided diskette which has 2 recording surfaces, one on each side, and is 2 logical disc storrage recording surface.



It is identified by 2 small holes in its cover which are at positions of approximately 11.45 and 12.15 o'clock when holding the diskette vertically.

Note: The double-single-sided diskettes mainly are produced for equipment using only 1 read-write-head, thus the diskettes have to be flipped over in order to use both recording surfaces. This affects the way of formatting the diskette and despite the fact that other equipment uses 2 read-write heads (like the one at hand) such a pre-formatted double-single-sided diskette then still has to be flipped over.

3.4 Maintenance

3.4

No direct operator maintenance is required at the drive; the operator only has to meet the requirements involved with the disketette handling.

RETURN LETTER

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