LOW PROFILE MINI FLOPPY DRIVE

for

APPLE][

LOW PROFILE MINI FLOPPY DRIVE FOR APPLE II

This unit is a high quality mini floppy subsystem, which

is designed for the operation with APPLE II.

Comparing with conventional subsystems, this unit has a

very low profile (a half of height).

And is very small and light. Also heat radiation is

considered effectively for continuous operation.

As improvement of the software operation, automatic

DOS select function is employed, then such complicated

operation caused by each DOS version is no longer

required.

Cable connection & handling

° Inspection of contents

    1. Disk drive (Flat cable connected)   1 set

    2. Controller card (PC Board)   1

        This is not included in Box

        indicated "W/O controller".

    3. Manual   1

Note: You have to turn off power switch before connecting
      or disconnecting any parts in APPLE II.

° How to connect cable

    This subsystem is used by connecting to controller card with
    flat cable.
    If disk drive is single, you should connect to connector
    indicated "DRIVE 1" on controller card.
    2nd drive should be connected "DRIVE 2" connector.
    Connector attached to flat cable should be inserted into
    "DRIVE 1" or "DRIVE 2" tightly, as marking ▲ on cable
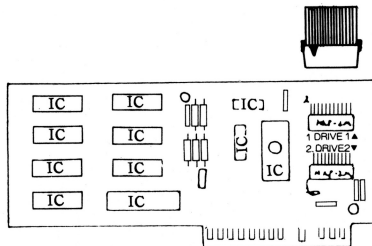   connector faces IC inside PC Board.

Figure 1

° How to attach controller card

Disk controller card is connected to disk drive with flat cable. This card is inserted into I/O slot inside APPLE II as following procedure.

1. Take off cover of APPLE II after turning off power switch.
2. Controller card should be inserted slowly and tightly as parts assembly side faces right hand.

There are 8 slots (#0-#7) and controller card can use all except #0 slot. We will use #6 slot for following description in this manual.
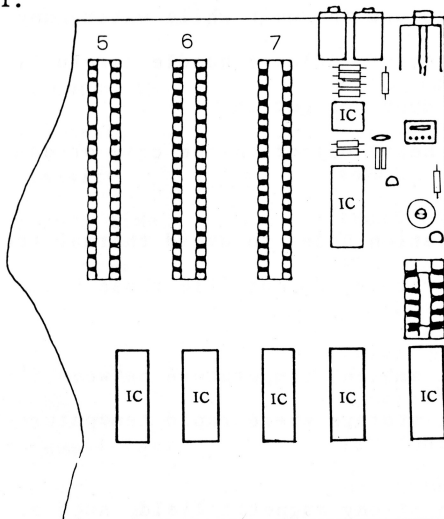

Figure 2

3. Put back APPLE II cover and turn on power switch.

° How to connect additional drives

Two disk drives can be connected to a controller card. Each drive (cable/connector) is connected to "DRIVE 1" and "DRIVE 2" connector on a controller respectively.

First 2 disk drives are connected to "DRIVE 1" and "DRIVE 2" connectors on the controller card inserted into #6 slot.

In this case, drive connected to "DRIVE 1" is assined as 1st drive.

° Caution

1. As drive is a precise machine, please avoid operation or storage where shock or vibration is expected.

2. It is very dangerous to use the unit while water, any liquid or metal is inside the case. Please handle carefully so that any foreign substance does not get in

3. Please do not put any heavy object on the case or damaged mechanically.

4. As the case has ventilation holes to avoid thermal troubles due to high case temperature, do not file those holes nor use in bad ventilation area.

5. Please use the unit at ambient temperature between 5°-35°c and avoid operation or storage where rapid temepature change occurs.

6. Do not use the unit in strong magnetic field, such as operation close to TV set etc. or contents of diskette may be damaged.

° How to insert or take out diskette

Disk drive is much faster and easier to operate than cassette
recorder, however both of diskette and drive must be used
carefully. To insert diskette into drive, push the knob of
front door of the drive to open the lid first. Insert diskette,
as side of oval notch ahead and label up side, as deep as the
diskette stops slowly. Then, insertion is completed by pushing down
the door to close. To take out diskette from drive, you have to
confirm LED turned off first and push the knob of the door.
Diskette will be pushed out automatically by pop-up system of drive.

° Specifications

Storage capacity	250KByte/Drive	
Record density	5,536BPI	
Truck density	48TPI	
Head access time	18omS (Average)	
Number of truck	40	
Weight	I/O Board	7og
	Drive Unit	1.75kg (Max)
Dimension	52Hx151Wx252D (mm)	
Power Requirement	I/O Board	+5V 246mA
	Drive Unit	+5V 60mA
		+12V 800mA (Typ)
		-12V 3mA