

MINI FLOPPY DISK DRIVE

for

APPLE II



*APPLE II IS A REGISTERED TRADEMARK OF APPLE COMPUTER, INC., U.S.A.

Introduction

The HD-55 series are high-performance floppy disk drives designed for use with APPLE II.

The compact slim drives are only half the height of the conventional drives but with higher storage capacity. (Please refer to the table below.)

A simple circuitry is employed to ensure effective operation as well as endurance of the parts.

MODEL	HD-55A	HD-55AX	HD-55C	HD-55CX
INTERFACE	APPLE			
TRACK DENSITY	48TPI	48TPI	96TPI	96TPI
NUMBER OF TRACKS	40	80	80	160
DOUBLE-/SINGLE-SIDED	SINGLE	DOUBLE	SINGLE	DOUBLE
CAPACITY (UNFORMATTED)	250 KB	500 KB	500 KB	1 MB
TRACK-TO-TRACK ACCESS	4 MS	4 MS	2 MS	2 MS
ROTATION SPEED	300 RPM			
DIMENSION (W x H x D)	146 x 41 x 203			

Remarks :

1. 96TPI operation systems (DOS, CP/M) for HD-55C, HD-55CX are available and can be supplied on request.
2. We also developed unique application programs to facilitate data transfer between 96TPI drives or from 48TPI drive to 96TPI drive.

How to Connect the Cable

After you unpack the disk drive, you will see a flat cable extended from the rear panel of the drive.

At the end of the flat cable is a Female Connector (FC).

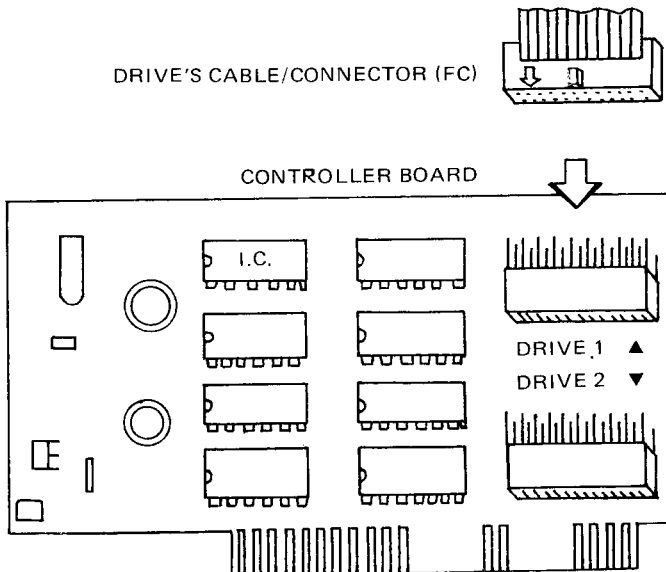
If you use only one drive with your APPLE II, you should almost always apply the FC to the connector marked DRIVE 1 on the controller board. If two drives are used, you may assign either drive as DRIVE 1 or DRIVE 2 and connect them to the controller board respectively.

While connecting, please pay attention to two things:

1. The side with the mark "↓" on the FC should face out.
2. The pins of the connector on the controller board should match the holes of the FC unmistakably.

And then, connect them tightly.

Caution: Any failure of the above two points might cause serious damages on the drive or your APPLE II.



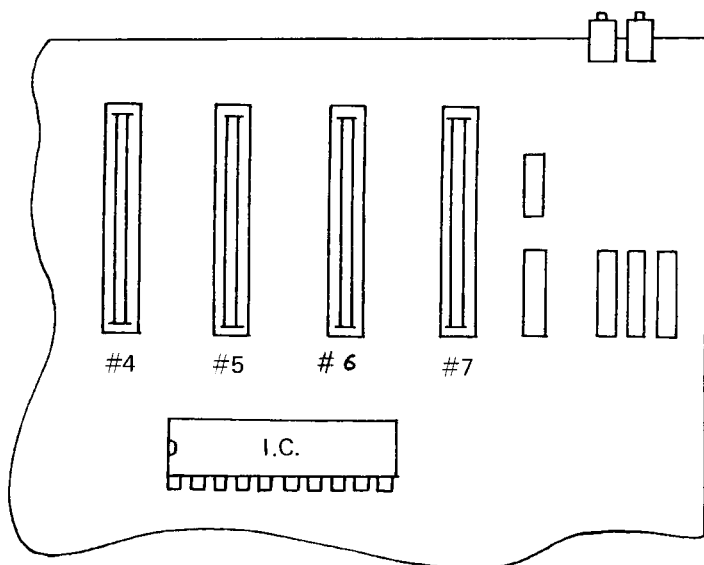
How to Attach the Controller Board

Caution: Always switch off the power before you connect or disconnect any parts in APPLE II.

After you complete connecting the drive's flat cable to the controller board, next step is to insert the controller board into I/O slot inside APPLE II.

There are 8 I/O slots (#0 – #7) in APPLE II and you may use any slots except Slot #0 for the disk controller board. In other words, you may insert the controller board into any slot from #1 to #7. But, usually Slot #6 is recommended.

After you choose the slot and make sure the power is off, insert the controller board slowly and tightly into the slot with the parts assembly side of the controller board facing to the right.



How to Insert and Take Out the Diskette

When you finish all necessary connections, the drive is now ready for operation.

To insert the diskette, please follow the steps below:

1. Turn counterclockwise the knob on the front panel of the drive to a horizontal position (Unlocked).
2. Switch on the power of APPLE II. While doing so, you will hear a small motor starting sound in the drive, and you can see the LED on the front panel is also on.
3. Insert diskette slowly, with the write protection notch on the lefthand and the label facing up. Insert the diskette as deep as it stops.
4. After the diskette is completely in the drive, turn clockwise down the knob to a vertical position. (Locked)

Caution: Always switch on the power before you insert the diskette and lock the knob; otherwise, it might cause serious damages on the data on the diskette.

To take out the diskette, please follow the steps below:

1. Make sure the LED is off. That means the drive is not in operation.
2. Turn counterclockwise (unlock) the knob.
3. Take out the diskette with your fingers.
4. Switch off the power of APPLE II.

Caution: Do not switch off the power before you take out the diskette; otherwise, it might cause serious damages on the data on the diskette.

Cautions

1. The disk drive is a precise machine, and you should avoid operation or storage where shock or vibration is expected.
2. Please avoid any foreign substance such as water, liquid, metal pieces etc. to get into the machine.
3. Please use the drive at an ambient temperature between 5° – 35° C, and avoid operation or storage where rapid temperature change occurs.
4. Do not use the drive where the strong magnetic field like a TV set exists.
5. Do not put heavy object on the case of the drive to avoid possible mechanical damages.
6. Do not stuff the holes on the case of the drive as the holes are designed for ventilation purpose. It is recommended to use the drive in a good ventilation area.