### MITSUBISHI MF501C/MF504C FLEXIBLE DISK DRIVES INSTALLATION GUIDE

### 1. Preparation prior to installation

(1) Option jumper settings:

The factory pre-settings of the option jumper plugs are shown in Fig. 1. They are set to make the drive plug-in compatible to the IBM PC,<sup>®</sup> PC-XT,<sup>®</sup> and PC-AT.<sup>®</sup> (The MF504C is workable only with the PC-AT.<sup>®</sup>) Therefore no relocation of the jumper plugs is required for these and other fully compatible computers.

If your IBM compatible computer requires a unique option setting, or your computer is not IBM compatible, refer to Section 3 in this guide for appropriate settings.

(2) Removing the terminating resistor pack:

If your system has another 5  $\frac{1}{4}$  inch flexible disk drive installed, remove the terminating resistor pack from the drive connected to the middle connector of the FDD controller signal cable. The terminator pack of the MF501C or MF504C is located on the P.C. board as seen in Fig. 1.

If your other flexible disk drive is a 3.5 inch drive, always remove the terminator pack from the MF501C or MF504C.



Fig. 1 Terminator and Jumper Plug Locations

#### 2. Cable connection to system

Fig. 2 shows the locations of the signal, power and grounding connectors at the rear of the flexible disk drive.



Fig. 2 Flexible Disk Drive Connector Locations

# 3. Customer jumper options

| Function                       | Jumper<br>Name | Initial Setting  |                  | Description   |
|--------------------------------|----------------|------------------|------------------|---|
|                                |                | MF501C           | MF504C           | Description   |
| Drive Select                   | DS 0           |                  |                  | Drive Select 0  |
|                                | DS 1           | 0                | 0                | Drive Select 1  |
|                                | DS 2           |                  |                  | Drive Select 2  |
|                                | DS 3           |                  |                  | Drive Select 3  |
|                                | MX             |                  |                  | Drive Always Selected   |
|                                | TD             | $\triangleright$ | $\triangleright$ | Terminating Resistor of D.S. On/Off   |
| Motor On Condition             | ММ             | $\succ$          | 0                | Motor Start with Motor On Signal  |
|                                | MS             | $\succ$          |                  | Motor Start with Drive Select   |
| I/F Pin 34<br>Output Status    | SR             |                  |                  | Standard Ready Signal Output  |
|                                | DC             |                  | 0                | Disk Change Signal Output   |
| Spindle Motor<br>Speed Control | SS             | $\triangleright$ |                  | 360rpm when I/F Pin 2 is High Level.<br>300rpm when I/F Pin 2 is Low Level. |
|                                | SB             | $\geq$           | 0                | Motor Speed Constantly 360rpm   |
| 1 MB Capacity Select           | SS & ND        | $\geq$           |                  | 1.0MB Unformatted, 720KB Formatted  |

Note) It is not recommended to relocate the jumper plugs to or from the locations that are not explained in the above.

 $\ensuremath{\mathbb{B}}$  PC, PC-XT and PC-AT are the registered trademarks of International Business Machines Corporation.

## MITSUBISHI ELECTRIC CORPORATION

U871D083H03