



MBA3300RC, MBA3147RC, MBA3073RC HARD DISK DRIVES INSTALLATION GUIDE

CARE OF YOUR FUJITSU HARD DISK DRIVE (HDD)

Careful handling and installation of your HDD is paramount to the longevity of the unit. The internal mechanism of the HDD can be seriously damaged if the HDD is subjected to forces outside the environmental specifications. When transporting the HDD, always use the original packaging in which the HDD was delivered to you, and avoid exposing the HDD to extreme changes in temperature to minimize the risk of condensation.

Handling

1. **Never** drop the unit. Handle it with care.
2. **Never** move the HDD while disks are spinning. Note that the disks spin when the HDD is powered on and also immediately after power off. Refer to the Start/Stop specification for your HDD.
3. **Never** place the HDD in the vicinity of equipment giving off strong magnetic fields, such as CRT monitors, televisions, or loudspeakers.
4. **Never** use any cleaning agents or liquids on the HDD.
5. **Always** use an antistatic mat and wrist strap when handling the HDD. Hold the HDD by the base casting and never touch the components on the printed circuit board assembly.
6. **Never** remove any labels from the HDD or deface them in any way.
7. **Never** open the HDD for any reason. Doing so will void any warranties.
8. **Always** pay close attention to the mounting specifications such as those for sway space and cooling. If the temperature difference between the storage location and installation location exceeds 10°C, for temperature acclimation purposes, leave the HDD in the new location for at least two hours before turning it on. This minimizes any risk of condensation forming on the HDD.

The HDD needs NO preventative or periodic maintenance during its service life if properly used in an appropriate environment.

INSTALLATION

1. ORIENTATION

The HDD can be installed flat on any of its six sides. Inclination from a vertical or horizontal plane should not exceed 5°.

2. MOUNTING SCREW INSTALLATION

When the mounting screw holes on the side of the HDD are used, be sure to use the two pairs of outer holes. Do not use the center hole in conjunction with only one of the outer holes. The screws must not penetrate the HDD by more than 5.0 millimeters. Impact caused by the electric driver must be within the HDD specifications.

3. COOLING

Allow space above and below the HDD to provide an adequate air flow. Fan cooling is recommended. The HDD temperature measured at center of top cover (label side) should never exceed 60 °C. See Table 1.

Table 1. Reference value of airflow

Environmental temperature	Required velocity of airflow
30°C	> 0.3 m/s
35°C	> 0.6 m/s
40°C	> 0.9 m/s
45°C	> 1.5 m/s

4. CONNECTING

To avoid potential damage to the HDD, make sure that connector type and orientation is correct.

CAUTION: Your warranty may be voided if the connector is damaged as a result of incorrect insertion.

FUJITSU LIMITED
Storage Products Group
4-1-1 Kamikodanaka, Nakahara-ku, Kawasaki 211-8588, Kanagawa-ken, Japan

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Authorized representative importer / distributor in EU:
Fujitsu Europe Limited
Hayes Park Central, Hayes End Road, Hayes, Middlesex, UB4 8FE, United Kingdom

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