

HITACHI

Inspire the Next

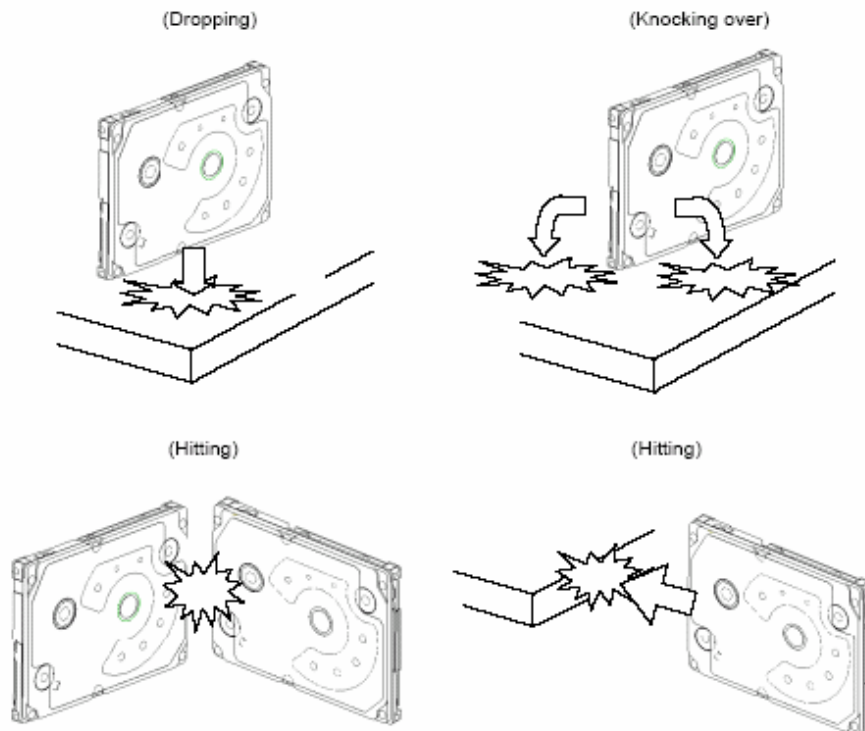
Quick installation guide Hitachi Travelstar C4K60

Models: HTC426030G7CE00
HTC426020G7CE00
HTC426060G9AT00
HTC426040G9AT00
HTC426030G7AT00
HTC426020G7AT00



Handling precautions

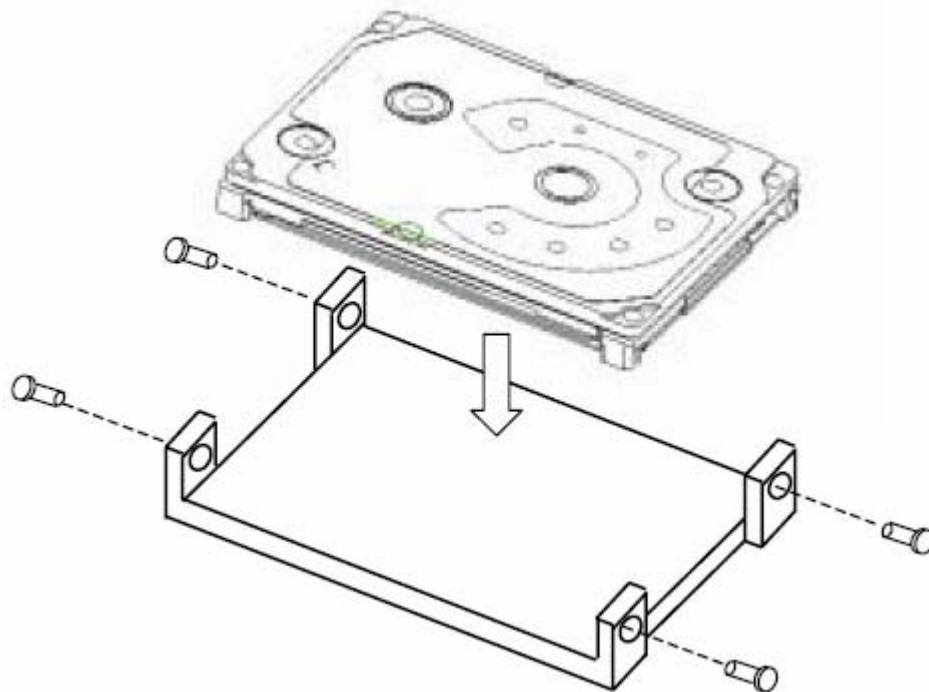
- Set the drive down gently to prevent damage from impact or vibration.
- Handle the drive carefully by the edges. Do not touch the exposed printed circuit board or any electronic components.
- Do not press on the top or bottom of the drive.
- Before handling the drive, discharge any static electricity from yourself and your clothing. With one hand touch an unpainted metal surface, then touch the ESD bag with the other hand. Remain in contact with the chassis and the bag for a minimum of two seconds.
- Vibration, shock and static electricity to the drive will damage the precision parts. In particular, prevent vibration or shock generated by dropping, knocking over or hitting the drive. Also, avoid touching the electrical components directly, which can discharge electrostatic energy and damage the drive.



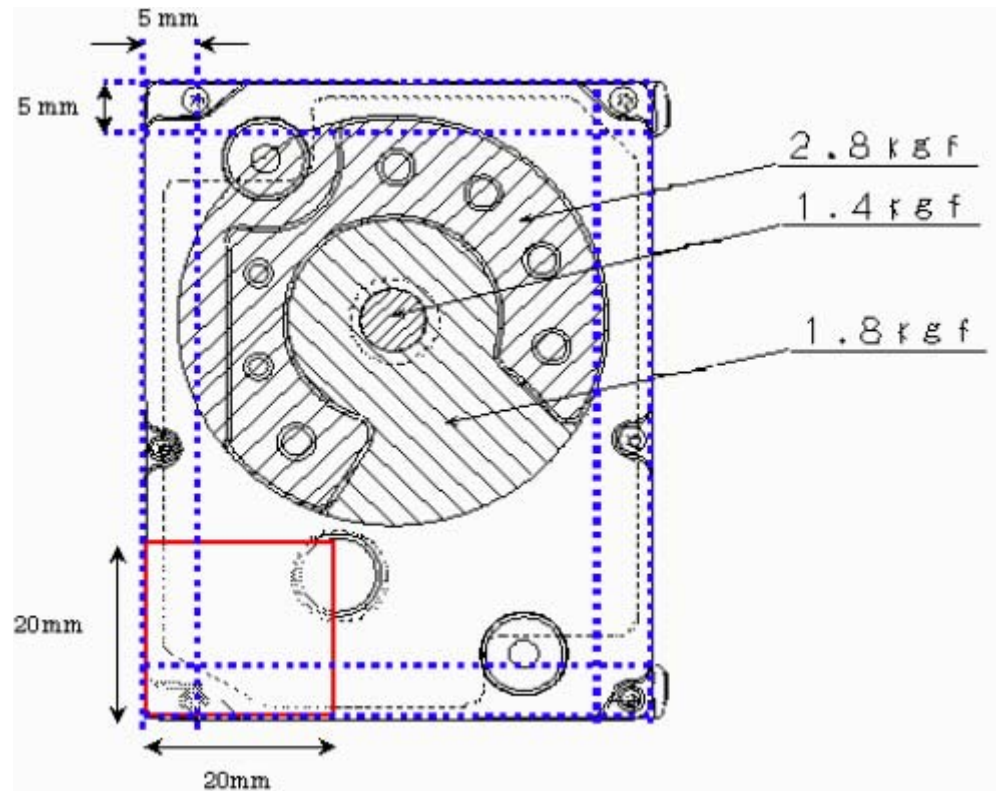
Mounting Instructions

Caution: Mount the hard drive according to the following instructions to ensure optimal performance.

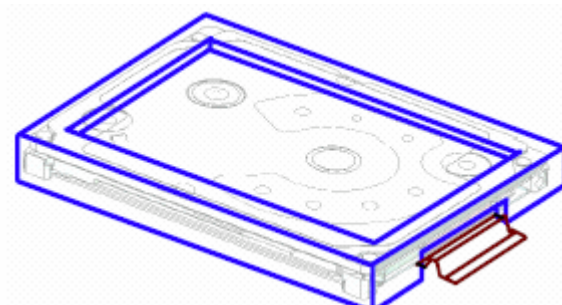
- Mount the hard drive with M2.0 screws (screw engagement of 2.3mm max). Be careful not to add any distorting force to the hard drive when mounting.
- Use either the bottom or side screw holes to secure drive. Do not attempt to use both bottom and side screw holes simultaneously.
- The torque for fixing the screws is $2.5 \pm 0.5 \text{ kgcm}$ ($2.2 \pm 0.4 \text{ lb. inch}$).
- The temperature of the center of the hard drive cover should remain less than 65°C at all times.
- The inertia of the chassis around the Z-axis of the gravity center of the device must be more than $3 \times 10^{-4} \text{ kg m}^2$.
- In case of general Sub-notebook PC weight (1.7kg), the inertia of the chassis around the Z-axis of the gravity center of the device is greater than $100 \times 10^{-4} \text{ kg m}^2$. Therefore, the required inertia level does not conflict with the general electronic equipment.
- If installing the C4K60 next to a steel plate, the cover of the C4K60 and the steel plate must have at least 2mm of space between them. This is necessary for air flow and cooling requirements.
- The PCBA side of the drive should be covered with insulation if it is in contact with any metal part of the host system. Contact between the PCBA and metal may result in drive failure.



Mounting Recommendations



- Do not push on the striped area marked in the above image. Pressure on the striped area could cause contact between the cover and movable parts inside the hard drive.
- Do not put a steel plate over the 'Red Box' area marked in the above image. If using a steel plate on the hard drive cover side, 2mm of space is required between the plate and the drive to ensure airflow.
- The blue dotted lines in the above image represent the area in which shock drop insulation should be applied.
- The blue frame shown below represents the casing used if the drive can not be secured with screws.
- Hitachi Global Storage Technologies will assist customers with mounting design.



Recommended drop shock material distributors

http://www.sorbothane.com/distributor_beta.html

<http://www.earsc.com/>

© Copyright Hitachi Global Storage Technologies

Hitachi Global Storage Technologies
5600 Cottle Road
San Jose, CA 95193

Produced in the United States

2/05

All rights reserved Travelstar™ is a trademark of Hitachi Global Storage Technologies.

Microsoft, Windows XP, and Windows are trademarks of Microsoft Corporation in the United States, other countries, or both.

Other product names are trademarks or registered trademarks of their respective companies.

References in this publication to Hitachi Global Storage Technologies products, programs or services do not imply that Hitachi Global Storage Technologies intends to make these available in all countries in which Hitachi Global Storage Technologies operates.

Product information is provided for information purposes only and does not constitute a warranty.

Information is true as of the date of publication and is subject to change. Actual results may vary.

This publication is for general guidance only. Photographs may show design models.

07 February 2005
