ADAPTEC ACB-2322B TROUBLESHOOTING CHECKLIST

- ***Gets a 1790 at boot-up:***
  A 1790 Error is normal for an unformatted drive. Just press F1 to continue.
- ***Long boot time:***
  Some PC AT systems may continue to retry booting to the hard drive even though it has not been formatted yet. You will have to allow this re-trying to continue for up to two minutes before the system will boot to the floppy drive. Then you can proceed to Debug and format the drive.
- ***Can't read floppy or boot to A:***
  Check floppy cables; be sure J1 goes to both floppy drives. Be sure that Pin 1 on the controller is connected to Pin 1 of the drive. If only one drive is being used, only the last connector on the twisted cable should be used. A floppy cable has wires 10-16 twisted between the two drive connectors.
- ***Recal error, or no drive attached error:***
  Check the drive select jumper on the hard disk drive; be sure that it is correctly set for the type of cable you are using.
  Check hard drive cables; Be sure J4 goes to Drive 1, J3 goes to Drive 2, and J5 goes to both drives. Be sure that Pin 1 on the controller is connected to Pin 1 of the drive. If only one drive is being used, only J5 and J4 should be used.
- ***Incorrect drive parameters:***
  ESDI drives have jumpers for "number of sectors per track" and for "bytes per sector", also for hard or soft sectoring. Consult your drive vendor for proper settings of these jumpers.
- ***Misc. errors, or no format routine:***
  Check that the controller jumpers are correctly set.
- ***Excessive defects, or fails to format:***
  Make sure the drive is ESDI certified. Check with the drive manufacturer.
- ***Won't boot to C:***
  Check to see that the SETUP program and CMOS RAM show drive type 1 is selected.
- ***Intermittent operation errors, or Read/Write errors:***
  Check that the terminator on each drive is set properly.
  Check that the power supply can support the added current required by the drive. Be sure that the +5V and +12V voltages are correct. Consult with the drive vendor for the correct drive power requirements.
- ***System hang or boot problems:***
  Try installing the BUS WAIT STATE jumper. The DTK 10 Mhz system needs this jumper installed on the controller board.
- ***If none of the above steps cure the problem, then swap out components in this order and try again:***
  Replace the cables with known-good cables.
  Swap the drive with a known-good drive.
  Swap the 2322B controller with another 2322B controller.

F.C.C. CERTIFICATION

This equipment generates and uses radio frequency, and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type-tested and found to comply with the limits for a Class B computing device in accordance with the specifications in "Subpart J of Part 15 of FCC Rules", which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient receiving antenna.
Relocate the computer with respect to the receiver.
Move the computer away from the receiver.
Plug the computer into a different outlet so that computer and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful.

"How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 004-000-00345-4.

COPYRIGHT

© Copyright 1988 by Adaptec, Inc. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written consent of Adaptec, Inc., 691 South Milpitas Blvd., Milpitas, California 95035.

FIVE-YEAR LIMITED LIFE-TIME WARRANTY

The Seller warrants that the products to be delivered under this purchase order will be free from defects in material and workmanship under normal use and service. Seller's obligations under this Warranty are limited, at its sole option, to (i) replacing or (ii) repairing or (iii) giving credit for, any such products which shall, within five (5) years from date of shipment, be returned to the Seller's factory, transportation charges prepaid, and which are, after examination, disclosed to be in the Seller's satisfaction to be thus defective. THIS WARRANTY IS EXPRESSED IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, STATUTORY, OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE SELLER'S PART, AND IT NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR THE SELLER ANY OTHER LIABILITIES IN CONNECTION WITH THE SALE OF THE SAID ARTICLES. This warranty shall not apply to any of such products which shall have been repaired or altered, except by the Seller, or which shall have been subjected to misuse, negligence, or accident. The aforementioned provisions do not extend the original warranty period of any product which has either been repaired or replaced by Seller. Prior to returning any products to Seller, Buyer must request and obtain a Return Material Authorization ("RMA").

CHANGES

The material in this guide is for information only and is subject to change without notice. Adaptec reserves the right to make changes in the product design without reservation and without notification to its users.

If you require further information or other technical support, please contact your authorized dealer.

adaptec, 691 south milpitas blvd. milpitas, california 95035
510041-00 SM/MAC 12/88

adaptec

ACB-2322B Installation Guide