

ADAPTEC ACB-2370B TROUBLESHOOTING CHECKLIST

- 1 **Gets a 1790 or boot-up:**
A 1790 Error is normal for an unformatted drive. Just press F1 to continue.
- 1 **Long boot time:**
Some AT systems may continue to rely 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.
- 1 **Racal 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 disk cobbles. Be sure J2 goes to Drive 0, J1 goes to Drive 1, and J3 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 J2 and J3 should be used. Do not use a floppy cable for hard drives.
- 1 **Misc. errors, or no format routine:**
Check that the jumpers on controller are set as shown in this guide.
- 1 **Excessive defects, or fails to format:**
Make sure the drive is RLL certified. Check with the drive manufacturer.
- 1 **Won't boot to C:**
Check to see that the SETUP program shows drive type 1 is selected.
- 1 **Intermittant 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.
- 1 **System hang or boot problems:**
Try installing the BUS WAIT STATE Jumper. The DTK 10MHz system needs this jumper installed on the controller board.
- 1 **If none of the above steps cure the problem, then swap out components in this order and try again:**
Replace the drive with a known-good cables
Swap the drive with a known-good drive
Swap the 2370B controller with another 2370B controller.

F.C.C. CERTIFICATION

The all... user's manual, behavior and uses radio frequency, and if not installed and may... interference to radio and television reception. It has been type-occurred and found to comply with the limits for a Class B computing device in one... with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a... However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to... of television reception, which can be determined by turning the equip-ment... on, the user is encouraged to try to correct the interference by... of the following measures:

- 1 Realign or realign the antenna.
- 1 Move the computer with respect to the receiver.
- 1 Plug the computer away from the receiver.
- 1 Plug the controller into a different outlet to that computer and... on a different branch circuit.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following information 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, No. C04-003-00345-4.

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The seller warrants that the product to be delivered under this purchase order shall be free from defects in material and workmanship under normal operating service. Seller's obligations under this Warranty are limited, at its sole option, to: (1) replacing or (2) repairing or (3) giving credit for, any such product to which such claim, within five (5) years from date of shipment, be returned to the seller's factory, transportation charges prepaid, and which are, after examination, determined to be the seller's obligation to be thus defective. THIS WARRANTY IS EXPRESSED IN LIEU OF ALL OTHER WARRANTIES, IMPLIED, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND OF ALL ASSURANCES OR WARRANTIES ON THE SELLER'S PART, AND IT NEITHER ALTERS NOR AMENDS ANY OTHER PERSON TO ASSUME FOR THE SELLER THIS WARRANTY IN CONNECTION WITH THE SALE OF THE SAID ARTICLES, regardless of whether such copy to any of such products which shall have been provided to insure, negligence, or accident, or which shall have been provided to insure, and the original warranty period of any product which has been damaged and the original warranty period of any product which has been replaced or repaired by seller. Prior to returning any product to seller, Buyer must request and obtain a Return Material Authorization (RMA).

CHANGES

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

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ACB-2370B Installation Guide

If you... please... for further information or other technical support, please contact your authorized dealer.
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510036-00 SW/MAC 12/88

QUICK INSTALLATION

Install controller and drives into your AT, and cable them together. Run a 34-pin hard drive control cable from J3 and connect to both hard drives. Connect one 20-pin cable each to hard drive 0 from J2, and to hard drive 1 from J1.

Run your AT 'SETUP' program from your AT DIAGS diskette and set the hard drives to type 1.

Boot to DOS, and run DEBUG.

Type in : A > DEBUG <CR>
-G=C800:5 <CR>

The Adaptec format menu will be displayed.

Choose: 1 - to primary-format drive 1.

Enter the number of heads and cylinders for your drive.

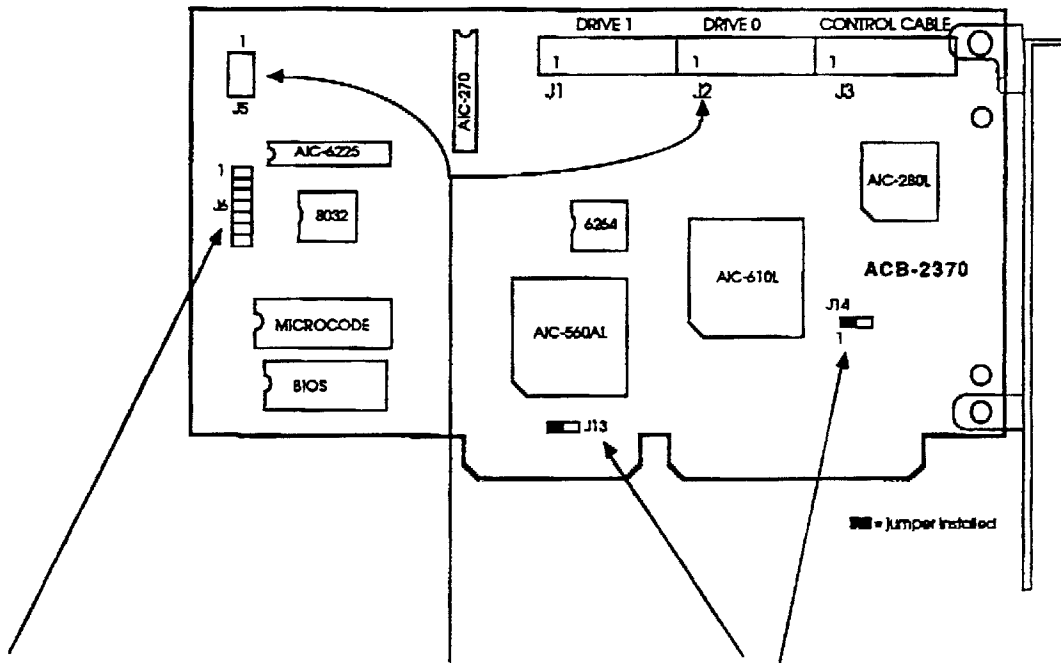
Now just keep hitting the enter key <CR>, (to select each default entry).

After format is complete, Choose q - to quit this program.

Now you are ready to install your operating system software.

Go to DOS FDISK and FORMAT, or, SPEEDSTOR, DISK MANAGER, SCO XENIX, OS/2, UNIX, etc.

If you run into any problem, consult the troubleshooting checklist on page 5.



JUMPERS	
J6-1	HARD DRIVE PORT ADDRESS • Not installed = 1F0 - 1F7 Installed = 170 - 177
J6-2	NOT USED
J6-3	BUS WAIT STATE • Not installed = Enabled Installed = Disabled
J6-4	STEP RATE/ RECAL • Not installed = 16 μ Sec rate and recal to 0 Installed = Recal to 0 minus 1 and 35 μ sec rate
J6-5	READ AHEAD CACHE • Not installed = Enabled Installed = Disabled
J6-6	NOT USED
J6-7	NOT USED

CONNECTORS
J1 - HARD DRIVE 1. DATA CABLE
J2 - HARD DRIVE 0. DATA CABLE
J3 - HARD DRIVE CONTROL CABLE
J5 - DRIVE ACTIVITY LIGHT

JUMPERS
J14- ACB BIOS ADDRESS SELECTION • 1-2 C8000-CBFFF 2-3 CC000-CFFFF NO JUMPER = BIOS DISABLED
J13 - HARD DRIVE INTERRUPT REQUEST • 1-2 IRQ14 2-3 IRQ15 3-4 DO NOT USE

* = as shipped

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